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# Natural Gas Monthly

February 2019



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## Preface

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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

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

## Abbreviations

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### 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 <sup>a</sup>	Dry Gas Production <sup>b</sup>	Supplemental Gaseous Fuels <sup>c</sup>	Net Imports	Net Storage Withdrawals <sup>d</sup>	Balancing Item <sup>e</sup>	Consumption <sup>f</sup>
<b>2013 Total</b>	<b>29,523</b>	<b>25,562</b>	<b>1,357</b>	<b>24,206</b>	<b>55</b>	<b>1,311</b>	<b>546</b>	<b>38</b>	<b>26,155</b>
<b>2014 Total</b>	<b>31,405</b>	<b>27,498</b>	<b>1,608</b>	<b>25,890</b>	<b>60</b>	<b>1,181</b>	<b>-254</b>	<b>-283</b>	<b>26,593</b>
<b>2015 Total</b>	<b>32,915</b>	<b>28,772</b>	<b>1,707</b>	<b>27,065</b>	<b>59</b>	<b>935</b>	<b>-547</b>	<b>-268</b>	<b>27,244</b>
<b>2016</b>									
January	2,823	2,435	155	2,280	5	105	741	-40	3,092
February	2,654	2,311	147	2,163	5	89	411	-16	2,652
March	2,825	2,442	155	2,287	5	46	53	-34	2,356
April	2,679	2,362	150	2,211	5	63	-171	-25	2,084
May	2,768	2,412	154	2,259	5	60	-337	-21	1,966
June	2,628	2,312	147	2,165	5	59	-229	1	2,001
July	2,721	2,409	153	2,256	5	76	-139	-11	2,187
August	2,723	2,390	152	2,238	5	48	-130	48	2,208
September	2,626	2,297	146	2,151	5	37	-270	25	1,948
October	2,720	2,365	151	2,214	5	55	-316	-32	1,925
November	2,678	2,307	147	2,161	5	3	39	-48	2,159
December	2,747	2,358	150	2,207	5	30	688	-63	2,866
<b>Total</b>	<b>32,592</b>	<b>28,400</b>	<b>1,808</b>	<b>26,592</b>	<b>57</b>	<b>671</b>	<b>340</b>	<b>-216</b>	<b>27,444</b>
<b>2017</b>									
January	2,749	2,355	154	2,202	5	20	687	-13	2,901
February	2,505	2,146	140	2,005	5	*	292	28	2,329
March	2,812	2,431	159	2,272	5	9	281	-39	2,529
April	2,703	2,355	154	2,201	5	-9	-236	-34	1,928
May	2,787	2,430	159	2,271	5	-10	-348	-22	1,897
June	2,693	2,370	155	2,215	5	-14	-287	-8	1,912
July	2,764	2,479	162	2,317	6	2	-155	-37	2,133
August	2,781	2,478	162	2,316	6	1	-201	-17	2,105
September	2,767	2,434	159	2,275	5	-21	-323	-14	1,923
October	2,907	2,550	166	2,384	6	-37	-254	-62	2,037
November	2,884	2,535	165	2,370	6	-45	90	-70	2,351
December	3,006	2,635	172	2,463	6	-22	707	-88	3,066
<b>Total</b>	<b>33,357</b>	<b>29,197</b>	<b>1,906</b>	<b>27,291</b>	<b>66</b>	<b>-125</b>	<b>254</b>	<b>-375</b>	<b>27,110</b>
<b>2018</b>									
January	£2,959	£2,586	171	£2,415	6	3	896	-12	3,308
February	£2,724	£2,385	163	£2,222	6	-36	467	41	2,699
March	£3,048	£2,673	188	£2,485	6	-18	285	£13	£2,771
April	£2,960	£2,598	185	£2,413	5	-35	-32	£-16	£2,335
May	£3,082	£2,713	193	£2,521	5	-44	-423	-12	2,046
June	£2,955	£2,641	188	£2,453	6	-31	-349	£-31	£2,048
July	£3,108	£2,784	198	£2,585	5	-56	-186	£-3	£2,344
August	£3,180	£2,845	205	£2,640	6	-72	-235	£-30	£2,309
September	£3,135	£2,790	199	£2,591	6	-86	-334	-20	2,156
October	£3,272	£2,909	206	£2,703	6	-88	-291	£-53	£2,276
November	£3,227	£2,849	199	£2,650	6	£-124	205	£-48	£2,689
December	£3,341	£2,946	200	£2,746	5	-108	319	8	2,970
<b>Total</b>	<b>£36,991</b>	<b>£32,719</b>	<b>2,295</b>	<b>£30,423</b>	<b>68</b>	<b>-696</b>	<b>321</b>	<b>-164</b>	<b>29,952</b>

<sup>a</sup> 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."

<sup>b</sup> Equal to marketed production minus NGPL production.

<sup>c</sup> 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.

<sup>d</sup> 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.

<sup>e</sup> 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.

<sup>f</sup> Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 2.

\* Volume is between -500 MMcf and 500 MMcf.

<sup>R</sup> Revised data.

<sup>E</sup> Estimated data.

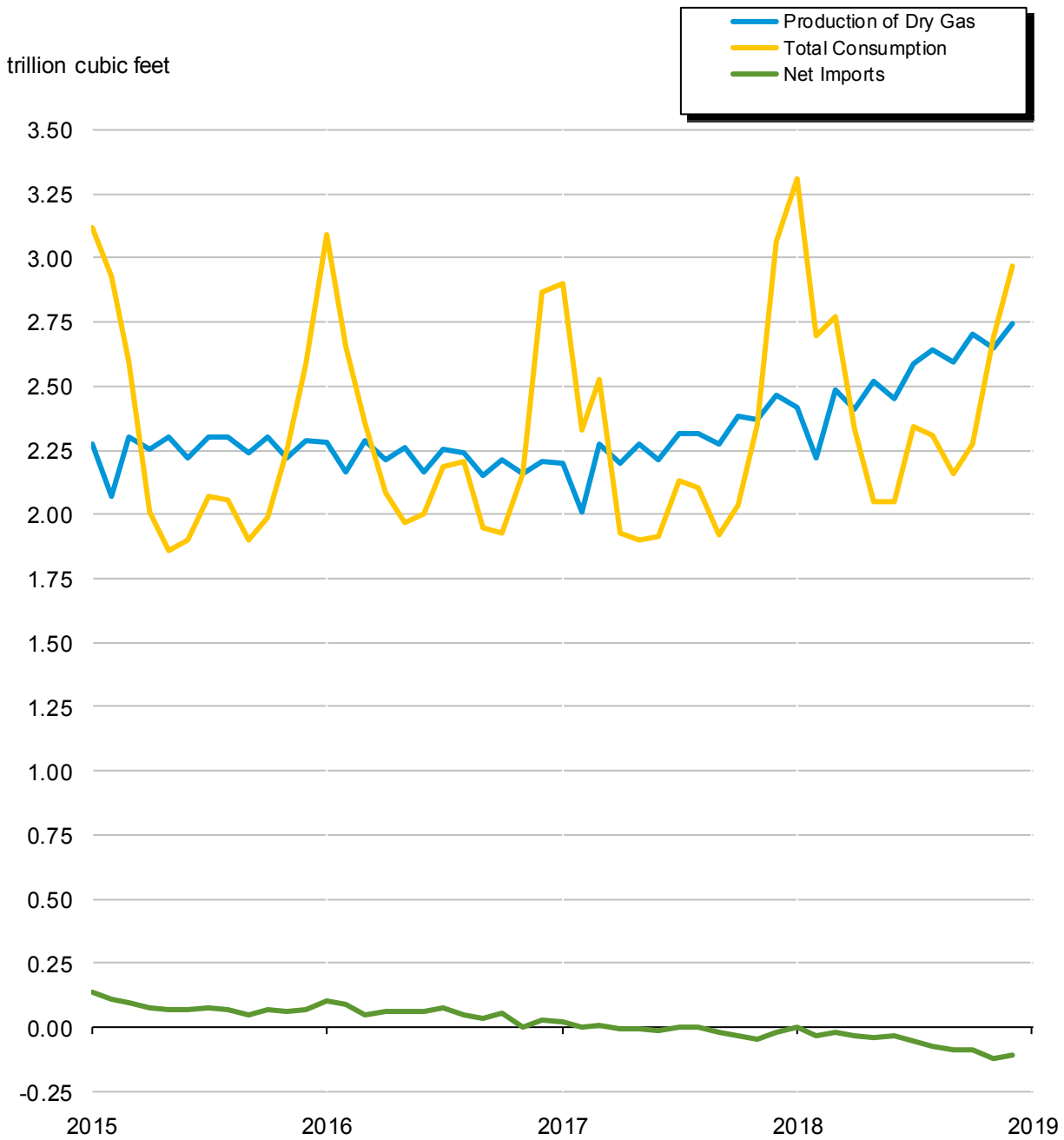
<sup>RE</sup> Revised estimated data.

**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: 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 <sup>a</sup>	Pipeline and Distribution Use <sup>b</sup>	Delivered to Consumers						Total Consumption	Heating Value <sup>c</sup> (Btu per cubic foot)
			Residential	Commercial	Industrial	Electric Power	Vehicle Fuel	Total		
<b>2013 Total</b>	<b>1,483</b>	<b>833</b>	<b>4,897</b>	<b>3,295</b>	<b>7,425</b>	<b>8,191</b>	<b>30</b>	<b>23,839</b>	<b>26,155</b>	<b>1,027</b>
<b>2014 Total</b>	<b>1,512</b>	<b>700</b>	<b>5,087</b>	<b>3,466</b>	<b>7,646</b>	<b>8,146</b>	<b>35</b>	<b>24,381</b>	<b>26,593</b>	<b>1,032</b>
<b>2015 Total</b>	<b>1,576</b>	<b>678</b>	<b>4,613</b>	<b>3,202</b>	<b>7,522</b>	<b>9,613</b>	<b>39</b>	<b>24,989</b>	<b>27,244</b>	<b>1,037</b>
<b>2016</b>										
January	133	78	879	503	721	774	4	2,881	3,092	1,038
February	126	67	690	414	663	690	3	2,460	2,652	1,038
March	133	59	455	298	663	745	4	2,164	2,356	1,037
April	128	52	328	233	620	719	3	1,904	2,084	1,037
May	131	49	194	171	613	804	4	1,786	1,966	1,034
June	126	50	123	138	590	970	3	1,825	2,001	1,034
July	131	55	106	135	616	1,140	4	2,001	2,187	1,034
August	130	55	100	140	628	1,151	4	2,023	2,208	1,037
September	125	48	110	142	604	915	3	1,774	1,948	1,037
October	129	48	187	191	623	744	4	1,749	1,925	1,036
November	126	54	380	281	654	662	3	1,980	2,159	1,037
December	128	73	794	463	734	671	4	2,665	2,866	1,039
<b>Total</b>	<b>1,545</b>	<b>687</b>	<b>4,347</b>	<b>3,110</b>	<b>7,729</b>	<b>9,985</b>	<b>42</b>	<b>25,212</b>	<b>27,444</b>	<b>1,037</b>
<b>2017</b>										
January	126	78	831	479	735	647	4	2,696	2,901	1,039
February	115	63	579	359	650	559	4	2,152	2,329	1,038
March	130	68	580	372	697	679	4	2,331	2,529	1,037
April	126	51	279	212	632	624	4	1,751	1,928	1,036
May	130	50	199	178	629	706	4	1,717	1,897	1,035
June	127	50	124	138	615	854	4	1,735	1,912	1,035
July	133	56	107	134	624	1,074	4	1,943	2,133	1,035
August	133	56	104	137	638	1,034	4	1,916	2,105	1,035
September	130	51	115	145	616	862	4	1,742	1,923	1,036
October	137	54	205	201	657	780	4	1,847	2,037	1,035
November	136	63	468	322	696	663	4	2,153	2,351	1,037
December	141	83	822	487	761	768	4	2,842	3,066	1,039
<b>Total</b>	<b>1,564</b>	<b>722</b>	<b>4,412</b>	<b>3,164</b>	<b>7,949</b>	<b>9,250</b>	<b>49</b>	<b>24,824</b>	<b>27,110</b>	<b>1,036</b>
<b>2018</b>										
January	£139	£88	975	548	770	785	£4	£3,082	3,308	1,038
February	£128	£72	687	420	689	701	£3	£2,500	2,699	1,037
March	£143	£74	656	413	726	£755	£4	£2,554	£2,771	1,037
April	£139	£62	£438	299	685	707	£4	£2,133	2,335	1,035
May	£145	£54	168	162	659	853	£4	£1,846	2,046	1,034
June	£142	£55	119	£140	637	952	£4	£1,852	£2,048	1,035
July	£149	£62	105	135	653	£1,236	£4	£2,133	£2,344	1,035
August	£152	£61	99	141	656	£1,195	£4	£2,095	£2,309	1,034
September	£149	£57	112	145	644	£1,045	£4	£1,949	2,156	1,035
October	£156	£61	255	£236	£670	£895	£4	£2,059	£2,276	1,036
November	£153	£72	£597	£383	£725	£756	£4	£2,465	£2,689	1,037
December	£158	£79	769	464	753	744	£4	2,733	2,970	1,038
<b>Total</b>	<b>£1,753</b>	<b>£797</b>	<b>4,980</b>	<b>3,485</b>	<b>8,268</b>	<b>10,626</b>	<b>£43</b>	<b>27,402</b>	<b>29,952</b>	<b>1,036</b>

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> 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.

<sup>R</sup> Revised data.

<sup>E</sup> Estimated data.

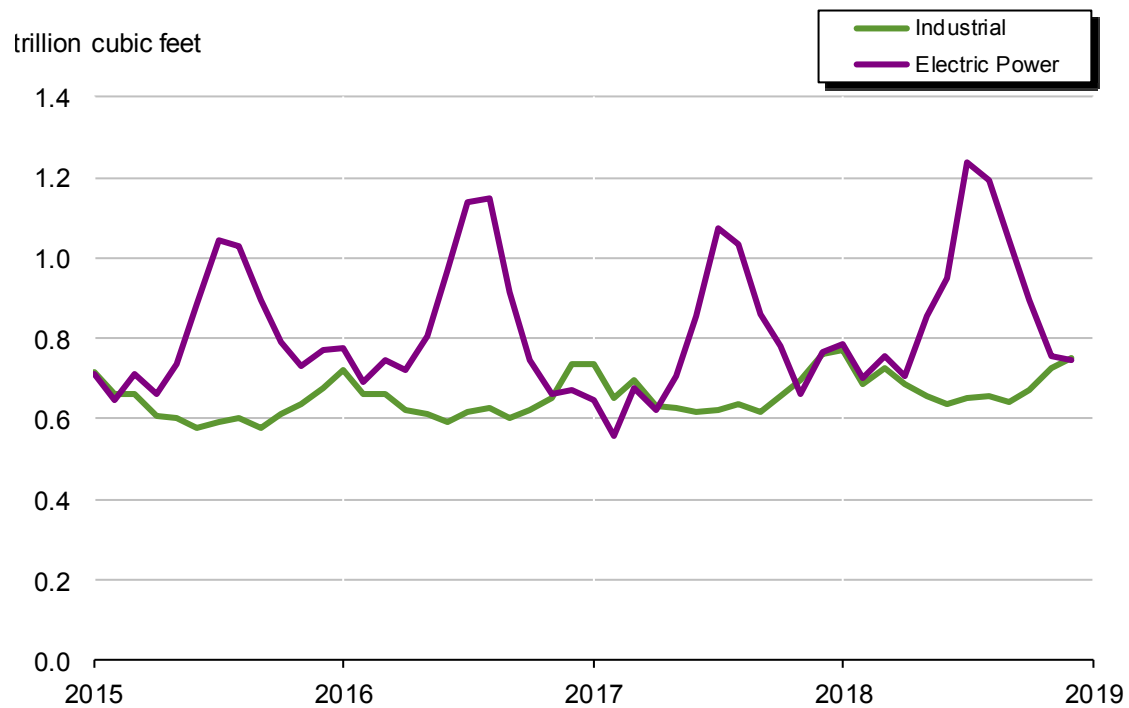
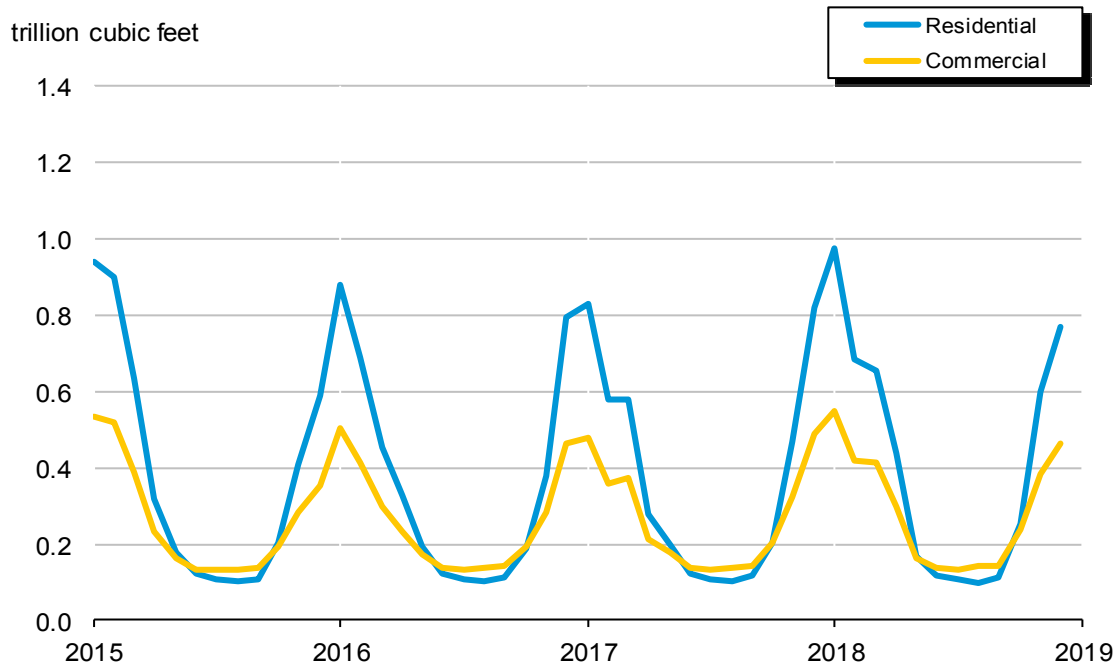
<sup>RE</sup> Revised estimated data.

**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: 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 <sup>a</sup>	Natural Gas Spot Price <sup>b</sup>	Citygate Price	Delivered to Consumers						Electric Power Price <sup>d</sup>
				Residential		Commercial		Industrial		
				Price	% of Total <sup>c</sup>	Price	% of Total <sup>c</sup>	Price	% of Total <sup>c</sup>	
<b>2013 Annual Average</b>	<b>9.94</b>	<b>3.73</b>	<b>4.88</b>	<b>10.32</b>	<b>95.7</b>	<b>8.08</b>	<b>65.8</b>	<b>4.64</b>	<b>16.6</b>	<b>4.49</b>
<b>2014 Annual Average</b>	<b>9.56</b>	<b>4.37</b>	<b>5.71</b>	<b>10.97</b>	<b>95.5</b>	<b>8.90</b>	<b>65.8</b>	<b>5.62</b>	<b>15.9</b>	<b>5.19</b>
<b>2015 Annual Average</b>	<b>4.97</b>	<b>2.62</b>	<b>4.26</b>	<b>10.38</b>	<b>95.6</b>	<b>7.91</b>	<b>65.7</b>	<b>3.93</b>	<b>14.8</b>	<b>3.38</b>
<b>2016</b>										
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
<b>Annual Average</b>	<b>5.04</b>	<b>2.52</b>	<b>3.71</b>	<b>10.05</b>	<b>95.8</b>	<b>7.28</b>	<b>64.8</b>	<b>3.51</b>	<b>14.9</b>	<b>2.99</b>
<b>2017</b>										
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
<b>Annual Average</b>	<b>6.92</b>	<b>2.99</b>	<b>4.16</b>	<b>10.91</b>	<b>95.9</b>	<b>7.88</b>	<b>65.4</b>	<b>4.10</b>	<b>14.5</b>	<b>3.52</b>
<b>2018</b>										
January	7.91	3.87	4.29	8.91	96.1	7.43	71.2	4.48	15.0	5.35
February	7.43	2.67	3.99	9.63	96.0	7.82	69.1	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	10.04	95.6	7.63	65.4	3.90	14.8	3.25
May	8.40	2.80	4.12	13.64	94.8	8.46	59.7	3.81	13.9	3.15
June	8.57	2.97	4.46	16.51	95.7	8.66	57.4	3.78	13.8	3.21
July	8.99	2.83	4.69	17.92	95.8	8.93	56.1	3.76	13.7	3.41
August	9.18	2.96	4.84	18.63	95.6	8.74	54.8	3.67	13.9	3.39
September	10.46	3.00	4.71	17.32	96.2	8.64	56.5	3.75	13.8	3.21
October	9.11	3.28	4.10	12.26	96.5	7.71	61.0	4.04	13.8	3.50
November	6.98	4.09	4.29	9.43	96.4	7.35	66.5	4.51	14.2	4.32
December	6.38	4.04	4.74	9.63	96.2	7.75	67.8	5.46	14.3	4.89
<b>Annual Average</b>	<b>8.20</b>	<b>3.16</b>	<b>4.21</b>	<b>10.52</b>	<b>96.0</b>	<b>7.83</b>	<b>65.5</b>	<b>4.20</b>	<b>14.2</b>	<b>3.67</b>

<sup>a</sup> 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.

<sup>b</sup> 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 Refinitiv. See Appendix A, Explanatory Note 9, for full discussion.

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

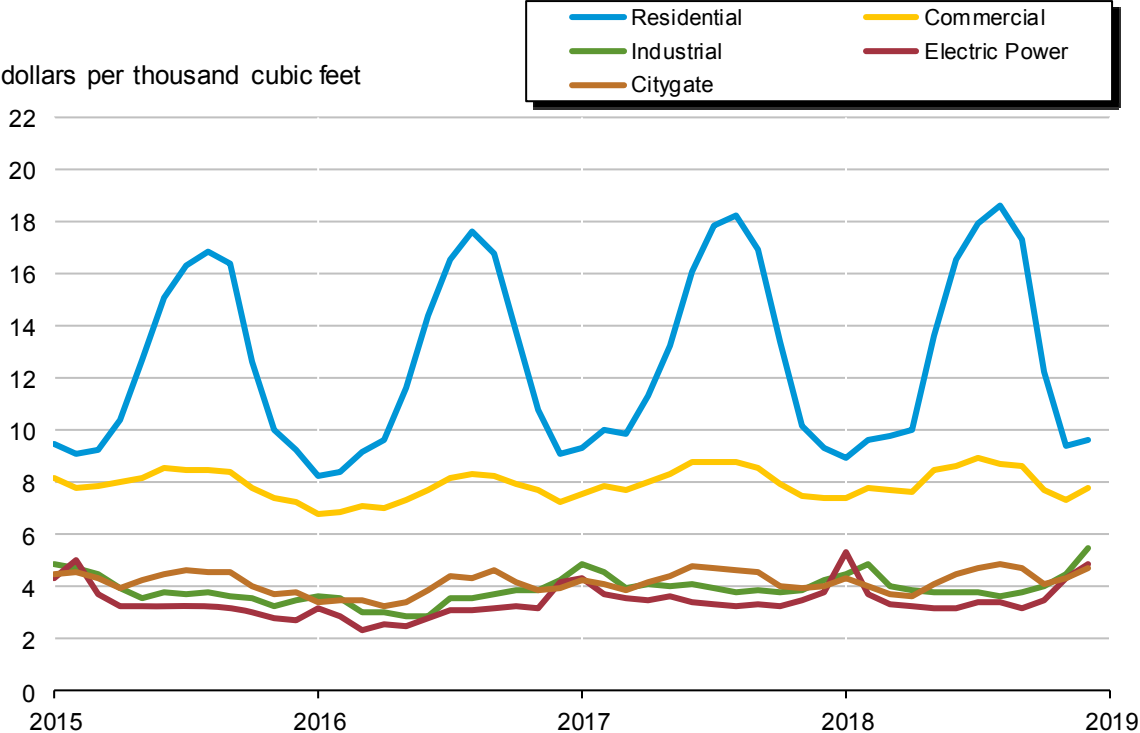
<sup>d</sup> The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

<sup>R</sup> 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.

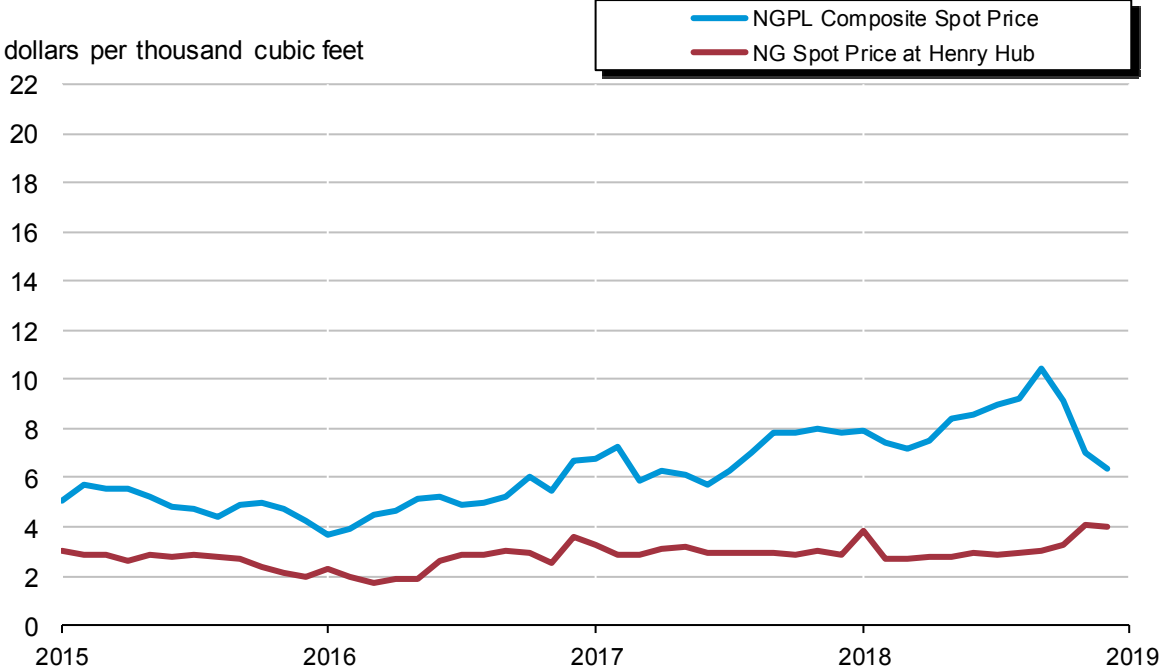
**Sources:** 2013-2017: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2017*. January 2018 through current month: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-910, "Monthly Natural Gas Marketer Survey"; Form EIA-923, "Power Plant Operations Report"; Form EIA-816; Bloomberg; Refinitiv; 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: 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; Refinitiv; 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: 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; Refinitiv; 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
	Total	December	November	October	September	August	July	June
<b>Imports</b>								
Volume (million cubic feet)								
<b>Pipeline</b>								
Canada <sup>a</sup>	2,833,422	242,513	210,058	211,115	212,570	232,986	242,492	227,313
Mexico	3,316	66	79	69	68	522	960	240
<b>Total Pipeline Imports</b>	<b>2,836,738</b>	<b>242,579</b>	<b>210,137</b>	<b>211,183</b>	<b>212,638</b>	<b>233,508</b>	<b>243,452</b>	<b>227,553</b>
<b>LNG</b>								
By Truck								
Canada	1,885	53	70	379	194	242	226	216
By Vessel								
France	2,768	0	0	0	0	0	0	0
Nigeria	5	5	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	65,819	11,859	2,734	5,696	2,961	5,231	5,376	2,688
United Kingdom	3,119	0	0	0	0	0	0	0
<b>Total LNG Imports</b>	<b>73,596</b>	<b>11,916</b>	<b>2,805</b>	<b>6,075</b>	<b>3,154</b>	<b>5,473</b>	<b>5,602</b>	<b>2,904</b>
<b>CNG</b>								
Canada	359	30	30	30	24	23	28	28
<b>Total CNG Imports</b>	<b>359</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>24</b>	<b>23</b>	<b>28</b>	<b>28</b>
<b>Total Imports</b>	<b>2,910,694</b>	<b>254,525</b>	<b>212,971</b>	<b>217,289</b>	<b>215,816</b>	<b>239,004</b>	<b>249,082</b>	<b>230,486</b>
Average Price (dollars per thousand cubic feet)								
<b>Pipeline</b>								
Canada	2.57	4.13	3.87	2.33	1.97	2.09	2.02	1.77
Mexico	4.34	4.87	2.98	2.43	3.13	5.49	5.32	2.63
<b>Total Pipeline Imports</b>	<b>2.57</b>	<b>4.13</b>	<b>3.87</b>	<b>2.33</b>	<b>1.97</b>	<b>2.10</b>	<b>2.03</b>	<b>1.77</b>
<b>LNG</b>								
By Truck								
Canada	8.51	7.20	8.44	9.64	8.36	8.32	8.32	8.18
By Vessel								
France	8.35	--	--	--	--	--	--	--
Nigeria	8.84	8.84	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	6.01	8.60	10.76	5.66	4.80	3.50	3.53	4.33
United Kingdom	13.26	--	--	--	--	--	--	--
<b>Total LNG Imports</b>	<b>6.47</b>	<b>8.60</b>	<b>10.70</b>	<b>5.90</b>	<b>5.02</b>	<b>3.72</b>	<b>3.72</b>	<b>4.62</b>
<b>CNG</b>								
Canada	3.89	8.23	2.22	2.00	1.48	1.42	1.31	1.01
<b>Total CNG Imports</b>	<b>3.89</b>	<b>8.23</b>	<b>2.22</b>	<b>2.00</b>	<b>1.48</b>	<b>1.42</b>	<b>1.31</b>	<b>1.01</b>
<b>Total Imports</b>	<b>2.84</b>	<b>4.74</b>	<b>4.10</b>	<b>2.59</b>	<b>2.09</b>	<b>2.22</b>	<b>2.15</b>	<b>1.86</b>
<b>Net Imports - Volume</b>	<b>-695,917</b>	<b>-107,851</b>	<b>-123,773</b>	<b>-88,342</b>	<b>-86,053</b>	<b>-72,282</b>	<b>-56,483</b>	<b>-30,824</b>

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		
	May	April	March	February	January	Total	December	November
<b>Imports</b>								
Volume (million cubic feet)								
<b>Pipeline</b>								
Canada <sup>a</sup>	226,355	240,552	267,653	233,056	286,758	2,962,689	266,192	237,197
Mexico	190	68	119	805	130	1,346	504	76
<b>Total Pipeline Imports</b>	<b>226,545</b>	<b>240,620</b>	<b>267,773</b>	<b>233,861</b>	<b>286,889</b>	<b>2,964,035</b>	<b>266,696</b>	<b>237,273</b>
<b>LNG</b>								
By Truck								
Canada	224	196	54	21	10	1,569	8	165
By Vessel								
France	0	0	2,768	0	0	0	0	0
Nigeria	0	0	0	0	0	5,992	3,239	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	2,429	2,934	3,650	6,750	13,511	70,450	7,617	6,213
United Kingdom	0	0	0	0	3,119	0	0	0
<b>Total LNG Imports</b>	<b>2,653</b>	<b>3,131</b>	<b>6,473</b>	<b>6,771</b>	<b>16,640</b>	<b>78,011</b>	<b>10,864</b>	<b>6,378</b>
<b>CNG</b>								
Canada	27	39	42	29	28	345	31	30
<b>Total CNG Imports</b>	<b>27</b>	<b>39</b>	<b>42</b>	<b>29</b>	<b>28</b>	<b>345</b>	<b>31</b>	<b>30</b>
<b>Total Imports</b>	<b>229,226</b>	<b>243,789</b>	<b>274,287</b>	<b>240,661</b>	<b>303,557</b>	<b>3,042,391</b>	<b>277,590</b>	<b>243,681</b>
Average Price (dollars per thousand cubic feet)								
<b>Pipeline</b>								
Canada	1.64	2.11	2.17	2.75	3.78	2.55	2.94	2.40
Mexico	2.22	2.10	2.65	4.38	3.38	2.93	3.42	2.44
<b>Total Pipeline Imports</b>	<b>1.64</b>	<b>2.11</b>	<b>2.17</b>	<b>2.76</b>	<b>3.78</b>	<b>2.55</b>	<b>2.94</b>	<b>2.40</b>
<b>LNG</b>								
By Truck								
Canada	8.27	8.30	7.94	7.17	7.94	8.63	8.19	8.12
By Vessel								
France	--	--	8.35	--	--	--	--	--
Nigeria	--	--	--	--	--	6.52	7.11	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	4.27	4.33	6.08	5.95	6.18	4.32	4.88	3.47
United Kingdom	--	--	--	--	13.26	--	--	--
<b>Total LNG Imports</b>	<b>4.61</b>	<b>4.57</b>	<b>7.07</b>	<b>5.95</b>	<b>7.51</b>	<b>4.58</b>	<b>5.55</b>	<b>3.59</b>
<b>CNG</b>								
Canada	1.19	2.69	2.14	12.03	10.87	2.95	4.31	1.17
<b>Total CNG Imports</b>	<b>1.19</b>	<b>2.69</b>	<b>2.14</b>	<b>12.03</b>	<b>10.87</b>	<b>2.95</b>	<b>4.31</b>	<b>1.17</b>
<b>Total Imports</b>	<b>1.73</b>	<b>2.20</b>	<b>2.45</b>	<b>3.01</b>	<b>4.40</b>	<b>2.60</b>	<b>3.26</b>	<b>2.52</b>
<b>Net Imports - Volume</b>	<b>-44,069</b>	<b>-35,463</b>	<b>-17,692</b>	<b>-35,614</b>	<b>2,528</b>	<b>-125,466</b>	<b>-21,834</b>	<b>-44,673</b>

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

	October	September	August	July	June	May	April	2017 March
<b>Imports</b>								
Volume (million cubic feet)								
<b>Pipeline</b>								
Canada <sup>a</sup>	241,425	226,738	239,935	245,212	234,061	238,753	232,998	275,573
Mexico	81	68	63	80	78	78	79	83
<b>Total Pipeline Imports</b>	<b>241,506</b>	<b>226,806</b>	<b>239,997</b>	<b>245,292</b>	<b>234,140</b>	<b>238,831</b>	<b>233,077</b>	<b>275,656</b>
<b>LNG</b>								
By Truck								
Canada	120	183	226	215	212	220	186	8
By Vessel								
France	0	0	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	2,337	2,467	7,636	4,974	5,425	5,275	4,985	4,870
United Kingdom	0	0	0	0	0	0	0	0
<b>Total LNG Imports</b>	<b>2,457</b>	<b>2,650</b>	<b>7,862</b>	<b>5,189</b>	<b>5,637</b>	<b>5,494</b>	<b>5,171</b>	<b>4,878</b>
<b>CNG</b>								
Canada	22	25	28	27	29	28	31	34
<b>Total CNG Imports</b>	<b>22</b>	<b>25</b>	<b>28</b>	<b>27</b>	<b>29</b>	<b>28</b>	<b>31</b>	<b>34</b>
<b>Total Imports</b>	<b>243,985</b>	<b>229,482</b>	<b>247,888</b>	<b>250,508</b>	<b>239,805</b>	<b>244,353</b>	<b>238,279</b>	<b>280,567</b>
Average Price (dollars per thousand cubic feet)								
<b>Pipeline</b>								
Canada	1.98	2.05	2.24	2.31	2.51	2.59	2.53	2.57
Mexico	2.43	2.64	2.31	2.62	2.77	2.62	2.64	2.27
<b>Total Pipeline Imports</b>	<b>1.98</b>	<b>2.05</b>	<b>2.24</b>	<b>2.31</b>	<b>2.51</b>	<b>2.59</b>	<b>2.53</b>	<b>2.57</b>
<b>LNG</b>								
By Truck								
Canada	8.33	8.66	8.69	8.78	8.91	8.88	8.49	7.05
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	4.20	3.74	3.19	3.21	3.37	3.65	3.56	4.34
United Kingdom	--	--	--	--	--	--	--	--
<b>Total LNG Imports</b>	<b>4.41</b>	<b>4.08</b>	<b>3.34</b>	<b>3.44</b>	<b>3.58</b>	<b>3.86</b>	<b>3.74</b>	<b>4.35</b>
<b>CNG</b>								
Canada	1.06	0.82	0.97	1.19	1.64	1.86	1.76	1.91
<b>Total CNG Imports</b>	<b>1.06</b>	<b>0.82</b>	<b>0.97</b>	<b>1.19</b>	<b>1.64</b>	<b>1.86</b>	<b>1.76</b>	<b>1.91</b>
<b>Total Imports</b>	<b>2.05</b>	<b>2.12</b>	<b>2.38</b>	<b>2.40</b>	<b>2.62</b>	<b>2.70</b>	<b>2.64</b>	<b>2.68</b>
<b>Net Imports - Volume</b>	<b>-37,374</b>	<b>-20,798</b>	<b>969</b>	<b>2,080</b>	<b>-13,517</b>	<b>-9,511</b>	<b>-8,973</b>	<b>8,724</b>

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

	2017		Total	December	November	October	September	2016
	February	January						August
<b>Imports</b>								
Volume (million cubic feet)								
<b>Pipeline</b>								
Canada <sup>a</sup>	246,020	278,584	2,916,856	271,845	221,866	225,588	235,512	253,793
Mexico	74	83	917	64	83	83	82	90
<b>Total Pipeline Imports</b>	<b>246,094</b>	<b>278,666</b>	<b>2,917,774</b>	<b>271,910</b>	<b>221,949</b>	<b>225,671</b>	<b>235,594</b>	<b>253,883</b>
<b>LNG</b>								
By Truck								
Canada	8	18	924	16	41	58	72	84
By Vessel								
France	0	0	0	0	0	0	0	0
Nigeria	0	2,753	0	0	0	0	0	0
Norway	0	0	3,253	0	3,253	0	0	0
Trinidad/Tobago	8,468	10,183	84,190	8,838	5,779	5,696	2,810	7,998
United Kingdom	0	0	0	0	0	0	0	0
<b>Total LNG Imports</b>	<b>8,477</b>	<b>12,955</b>	<b>88,367</b>	<b>8,854</b>	<b>9,073</b>	<b>5,753</b>	<b>2,882</b>	<b>8,082</b>
<b>CNG</b>								
Canada	26	35	299	27	22	25	15	17
<b>Total CNG Imports</b>	<b>26</b>	<b>35</b>	<b>299</b>	<b>27</b>	<b>22</b>	<b>25</b>	<b>15</b>	<b>17</b>
<b>Total Imports</b>	<b>254,597</b>	<b>291,656</b>	<b>3,006,439</b>	<b>280,791</b>	<b>231,044</b>	<b>231,449</b>	<b>238,491</b>	<b>261,983</b>
Average Price (dollars per thousand cubic feet)								
<b>Pipeline</b>								
Canada	2.81	3.41	2.18	3.31	2.41	2.50	2.42	2.29
Mexico	2.94	3.29	1.85	2.56	2.34	2.50	2.43	2.27
<b>Total Pipeline Imports</b>	<b>2.81</b>	<b>3.41</b>	<b>2.18</b>	<b>3.31</b>	<b>2.41</b>	<b>2.50</b>	<b>2.42</b>	<b>2.29</b>
<b>LNG</b>								
By Truck								
Canada	7.22	9.12	8.07	7.51	7.92	7.93	8.04	8.11
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	5.82	--	--	--	--	--	--
Norway	--	--	3.12	--	3.12	--	--	--
Trinidad/Tobago	6.39	5.48	4.06	4.62	5.96	3.05	3.13	3.17
United Kingdom	--	--	--	--	--	--	--	--
<b>Total LNG Imports</b>	<b>6.39</b>	<b>5.56</b>	<b>4.07</b>	<b>4.63</b>	<b>4.95</b>	<b>3.10</b>	<b>3.25</b>	<b>3.23</b>
<b>CNG</b>								
Canada	6.07	10.64	1.97	3.24	0.97	0.72	1.22	1.20
<b>Total CNG Imports</b>	<b>6.07</b>	<b>10.64</b>	<b>1.97</b>	<b>3.24</b>	<b>0.97</b>	<b>0.72</b>	<b>1.22</b>	<b>1.20</b>
<b>Total Imports</b>	<b>3.14</b>	<b>3.75</b>	<b>2.24</b>	<b>3.50</b>	<b>2.70</b>	<b>2.59</b>	<b>2.47</b>	<b>2.42</b>
<b>Net Imports - Volume</b>	<b>-349</b>	<b>19,789</b>	<b>670,991</b>	<b>29,955</b>	<b>3,125</b>	<b>54,983</b>	<b>36,505</b>	<b>47,757</b>

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

<sup>a</sup> 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.

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

<sup>c</sup> Revised data.

-- Not applicable.

**Note:** In the case of missing import or export reports on Form FE-746R, "Import and Export of Natural Gas," EIA estimates the missing volumes using pipeline flows or other available information. Prices are in nominal dollars. LNG prices are a volume-weighted average of the prices reported by cargo. See the "LNG Monthly" (<https://energy.gov/fe/listings/lng-reports>) from the Office of Fossil Energy, U.S. Department of Energy, for more information on what is included in the individual LNG prices.

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

**Table 5. U.S. natural gas exports, 2016-2018**  
(volumes in million cubic feet; prices in dollars per thousand cubic feet)

								2018	
	Total	December	November	October	September	August	July	June	
<b>Exports</b>									
Volume (million cubic feet)									
<b>Pipeline</b>									
Canada	843,295	100,108	90,088	65,455	71,613	66,781	57,537	51,603	
Mexico	1,679,281	138,757	139,047	150,281	148,869	152,965	149,766	136,142	
<b>Total Pipeline Exports</b>	<b>2,522,576</b>	<b>238,865</b>	<b>229,135</b>	<b>215,736</b>	<b>220,482</b>	<b>219,746</b>	<b>207,303</b>	<b>187,745</b>	
<b>LNG</b>									
Exports									
By Vessel									
Argentina	27,560	0	0	0	0	10,679	2,939	0	
Bahamas	137	14	13	12	12	10	11	14	
Barbados	174	20	20	14	14	13	10	10	
Brazil	35,645	0	0	0	0	15,425	12,540	0	
Chile	41,186	3,276	3,676	0	3,675	0	6,525	5,865	
China	93,649	3,598	6,627	7,269	0	3,588	10,644	2,926	
Colombia	5,101	0	0	0	0	867	1,521	1,113	
Dominican Republic	5,835	0	0	0	0	2,992	0	0	
Egypt	6,554	0	0	0	0	0	0	0	
France	18,291	3,453	9,991	4,846	0	0	0	0	
Greece	3,722	3,722	0	0	0	0	0	0	
India	57,634	7,156	0	7,131	5,910	0	5,918	6,717	
Israel	3,270	0	0	0	0	0	0	0	
Italy	17,390	6,137	0	4,785	6,468	0	0	0	
Jamaica	1,303	0	1,303	0	0	0	0	0	
Japan	122,358	13,977	20,659	3,017	16,698	10,286	13,438	9,820	
Jordan	38,794	0	7,390	3,666	0	3,677	0	3,201	
Kuwait	9,981	0	0	0	0	3,485	0	0	
Lithuania	0	0	0	0	0	0	0	0	
Malta	2,927	0	0	0	0	0	2,927	0	
Mexico	182,246	10,610	6,794	7,076	10,559	20,708	21,237	26,591	
Netherlands	12,188	0	2,949	3,071	2,915	0	0	0	
Pakistan	12,956	0	0	0	0	0	0	0	
Panama	6,786	3,268	0	0	0	0	0	0	
Poland	3,231	0	3,231	0	0	0	0	0	
Portugal	12,512	3,298	0	0	3,670	2,296	0	0	
Singapore	3,679	3,679	0	0	0	0	0	0	
South Korea	248,601	29,946	17,635	34,923	24,179	17,467	14,040	13,994	
Spain	10,310	0	3,529	3,551	0	0	3,230	0	
Taiwan	16,731	3,423	0	0	0	0	3,234	3,268	
Thailand	0	0	0	0	0	0	0	0	
Turkey	26,827	13,598	2,956	3,281	0	0	0	0	
United Arab Emirates	3,638	0	0	0	3,638	0	0	0	
United Kingdom	51,297	13,499	20,695	7,213	3,624	0	0	0	
By Truck									
Canada	713	695	0	0	2	0	0	0	
Mexico	587	121	115	31	17	33	26	17	
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	0	0	0	0	0	0	
<b>Total LNG Exports</b>	<b>1,083,812</b>	<b>123,489</b>	<b>107,585</b>	<b>89,886</b>	<b>81,381</b>	<b>91,526</b>	<b>98,240</b>	<b>73,535</b>	
<b>CNG</b>									
Canada	223	22	24	9	6	15	22	29	
<b>Total CNG Exports</b>	<b>223</b>	<b>22</b>	<b>24</b>	<b>9</b>	<b>6</b>	<b>15</b>	<b>22</b>	<b>29</b>	
<b>Total Exports</b>	<b>3,606,611</b>	<b>362,376</b>	<b>336,744</b>	<b>305,631</b>	<b>301,869</b>	<b>311,286</b>	<b>305,565</b>	<b>261,309</b>	

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		
	May	April	March	February	January	Total	December	November
<b>Exports</b>								
Volume (million cubic feet)								
<b>Pipeline</b>								
Canada	40,340	62,894	68,112	76,908	91,855	917,087	81,050	74,427
Mexico	138,128	130,644	132,301	125,684	136,698	1,543,056	135,756	133,807
<b>Total Pipeline Exports</b>	<b>178,468</b>	<b>193,538</b>	<b>200,413</b>	<b>202,591</b>	<b>228,553</b>	<b>2,460,144</b>	<b>216,807</b>	<b>208,234</b>
<b>LNG</b>								
Exports								
By Vessel								
Argentina	5,392	5,217	3,333	0	0	16,276	0	0
Bahamas	11	8	16	12	4	2	2	0
Barbados	13	8	13	20	20	200	19	20
Brazil	1,153	3,255	3,272	0	0	17,648	0	0
Chile	0	4,987	6,994	3,249	2,938	25,746	3,362	0
China	10,416	17,509	10,739	6,750	13,584	103,410	23,433	20,871
Colombia	0	1,599	0	0	0	0	0	0
Dominican Republic	1,023	0	1,821	0	0	8,691	0	2,835
Egypt	0	0	0	0	6,554	6,781	0	0
France	0	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0	0
India	7,118	3,254	10,834	0	3,596	20,919	3,427	7,057
Israel	3,270	0	0	0	0	0	0	0
Italy	0	0	0	0	0	6,493	0	0
Jamaica	0	0	0	0	0	0	0	0
Japan	12,782	10,967	0	7,099	3,615	53,218	13,893	0
Jordan	10,572	3,293	3,694	3,300	0	36,321	7,135	0
Kuwait	6,496	0	0	0	0	20,213	0	0
Lithuania	0	0	0	0	0	6,844	0	0
Malta	0	0	0	0	0	867	0	0
Mexico	13,512	11,074	28,877	14,777	10,431	140,321	3,635	10,760
Netherlands	0	3,253	0	0	0	3,042	0	0
Pakistan	3,222	3,258	3,108	0	3,368	3,166	0	0
Panama	2,077	0	1,442	0	0	0	0	0
Poland	0	0	0	0	0	3,440	0	0
Portugal	0	0	0	0	3,247	19,523	0	3,702
Singapore	0	0	0	0	0	0	0	0
South Korea	17,735	17,996	11,079	28,322	21,286	130,185	20,810	21,141
Spain	0	0	0	0	0	29,329	3,370	3,617
Taiwan	0	0	0	6,806	0	9,004	0	2,934
Thailand	0	0	0	0	0	3,113	0	0
Turkey	0	0	0	3,279	3,714	24,855	3,413	7,076
United Arab Emirates	0	0	0	0	0	13,408	0	0
United Kingdom	0	0	6,267	0	0	3,410	0	0
By Truck								
Canada	0	1	0	15	0	5	0	2
Mexico	6	4	56	56	105	691	105	86
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	0	0	0	422	0	0
<b>Total LNG Exports</b>	<b>94,797</b>	<b>85,684</b>	<b>91,542</b>	<b>73,684</b>	<b>72,463</b>	<b>707,542</b>	<b>82,604</b>	<b>80,100</b>
<b>CNG</b>								
Canada	30	29	24	0	13	171	13	20
<b>Total CNG Exports</b>	<b>30</b>	<b>29</b>	<b>24</b>	<b>0</b>	<b>13</b>	<b>171</b>	<b>13</b>	<b>20</b>
<b>Total Exports</b>	<b>273,295</b>	<b>279,252</b>	<b>291,979</b>	<b>276,275</b>	<b>301,029</b>	<b>3,167,857</b>	<b>299,424</b>	<b>288,354</b>

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
	October	September	August	July	June	May	April	March
<b>Exports</b>								
Volume (million cubic feet)								
<b>Pipeline</b>								
Canada	68,382	69,823	66,342	59,760	66,725	63,949	80,532	99,489
Mexico	132,778	125,724	135,108	135,068	134,118	129,110	116,027	128,774
<b>Total Pipeline Exports</b>	<b>201,160</b>	<b>195,548</b>	<b>201,450</b>	<b>194,828</b>	<b>200,844</b>	<b>193,058</b>	<b>196,559</b>	<b>228,263</b>
<b>LNG</b>								
Exports								
By Vessel								
Argentina	0	0	0	0	2,949	3,192	10,135	0
Bahamas	0	0	0	0	0	0	0	0
Barbados	17	14	16	10	16	15	15	20
Brazil	6,967	3,364	0	3,642	0	3,676	0	0
Chile	3,675	0	0	3,256	3,657	0	5,894	2,951
China	24,588	10,056	0	7,218	0	3,514	0	0
Colombia	0	0	0	0	0	0	0	0
Dominican Republic	0	2,922	0	0	0	0	0	2,934
Egypt	0	0	3,317	3,464	0	0	0	0
France	0	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0	0
India	0	0	0	0	3,413	0	0	0
Israel	0	0	0	0	0	0	0	0
Italy	0	0	3,372	0	3,120	0	0	0
Jamaica	0	0	0	0	0	0	0	0
Japan	6,725	0	3,614	0	3,683	3,667	7,398	0
Jordan	3,373	0	7,393	0	0	3,453	0	6,655
Kuwait	0	0	0	3,410	0	3,281	6,784	3,360
Lithuania	0	3,414	3,431	0	0	0	0	0
Malta	0	0	0	0	0	0	0	0
Mexico	6,686	10,286	6,860	14,432	24,763	10,023	13,730	10,728
Netherlands	0	0	0	0	0	3,042	0	0
Pakistan	0	0	0	0	0	0	0	3,166
Panama	0	0	0	0	0	0	0	0
Poland	0	0	0	0	0	3,440	0	0
Portugal	0	0	3,399	3,662	0	3,625	0	0
Singapore	0	0	0	0	0	0	0	0
South Korea	21,577	17,514	10,320	14,238	7,431	6,818	3,295	7,042
Spain	2,980	3,666	3,712	217	0	0	0	0
Taiwan	3,121	0	0	0	0	2,949	0	0
Thailand	0	0	0	0	0	0	0	3,113
Turkey	0	3,443	0	0	0	0	0	3,521
United Arab Emirates	0	0	0	0	0	10,062	3,347	0
United Kingdom	0	0	0	0	3,410	0	0	0
By Truck								
Canada	0	0	0	0	0	0	0	3
Mexico	65	53	33	44	19	26	70	61
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	422	0	0	0	0	0	0	0
<b>Total LNG Exports</b>	<b>80,195</b>	<b>54,733</b>	<b>45,468</b>	<b>53,592</b>	<b>52,462</b>	<b>60,782</b>	<b>50,669</b>	<b>43,553</b>
<b>CNG</b>								
Canada	4	0	1	8	16	23	24	27
<b>Total CNG Exports</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>16</b>	<b>23</b>	<b>24</b>	<b>27</b>
<b>Total Exports</b>	<b>281,359</b>	<b>250,280</b>	<b>246,919</b>	<b>248,428</b>	<b>253,322</b>	<b>253,864</b>	<b>247,251</b>	<b>271,843</b>

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	
	February	January	Total	December	November	October	September	August
<b>Exports</b>								
Volume (million cubic feet)								
<b>Pipeline</b>								
Canada	87,798	98,811	771,094	97,178	74,544	43,471	61,499	55,012
Mexico	115,089	121,696	1,377,305	111,815	120,378	129,984	123,722	132,446
<b>Total Pipeline Exports</b>	<b>202,887</b>	<b>220,508</b>	<b>2,148,399</b>	<b>208,993</b>	<b>194,922</b>	<b>173,455</b>	<b>185,222</b>	<b>187,458</b>
<b>LNG</b>								
Exports								
By Vessel								
Argentina	0	0	16,661	0	0	0	0	2,190
Bahamas	0	0	0	0	0	0	0	0
Barbados	15	22	100	22	18	15	14	11
Brazil	0	0	9,196	0	0	0	0	3,933
Chile	2,950	0	29,405	0	2,940	0	0	9,518
China	10,338	3,391	17,221	6,747	7,341	0	0	0
Colombia	0	0	0	0	0	0	0	0
Dominican Republic	0	0	2,945	0	0	0	0	2,945
Egypt	0	0	3,606	3,606	0	0	0	0
France	0	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0	0
India	3,399	3,623	16,915	0	3,115	0	3,639	3,701
Israel	0	0	0	0	0	0	0	0
Italy	0	0	3,328	0	3,328	0	0	0
Jamaica	0	0	0	0	0	0	0	0
Japan	3,705	10,533	11,137	11,137	0	0	0	0
Jordan	2,945	5,368	9,870	0	0	2,942	3,362	0
Kuwait	3,378	0	7,068	0	0	0	3,458	0
Lithuania	0	0	0	0	0	0	0	0
Malta	0	867	0	0	0	0	0	0
Mexico	14,407	14,010	27,470	7,169	13,300	0	3,315	3,686
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	1,692	3,442	3,700	0	0	0	0	0
Singapore	0	0	0	0	0	0	0	0
South Korea	0	0	10,166	10,166	0	0	0	0
Spain	1,766	10,002	2,930	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0
Thailand	0	0	0	0	0	0	0	0
Turkey	7,402	0	8,762	2,936	2,886	0	2,941	0
United Arab Emirates	0	0	3,391	0	0	0	0	0
United Kingdom	0	0	0	0	0	0	0	0
By Truck								
Canada	0	0	2	0	0	1	0	0
Mexico	44	85	375	42	48	42	35	30
Re-Exports								
By Vessel								
Argentina	0	0	612	0	0	0	0	612
Brazil	0	0	1,433	0	0	0	0	142
India	0	0	547	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
<b>Total LNG Exports</b>	<b>52,042</b>	<b>51,342</b>	<b>186,841</b>	<b>41,825</b>	<b>32,976</b>	<b>3,000</b>	<b>16,764</b>	<b>26,768</b>
<b>CNG</b>								
Canada	18	19	208	18	22	11	0	0
<b>Total CNG Exports</b>	<b>18</b>	<b>19</b>	<b>208</b>	<b>18</b>	<b>22</b>	<b>11</b>	<b>0</b>	<b>0</b>
<b>Total Exports</b>	<b>254,946</b>	<b>271,868</b>	<b>2,335,448</b>	<b>250,836</b>	<b>227,919</b>	<b>176,466</b>	<b>201,986</b>	<b>214,226</b>

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						
	July	June	May	April	March	February	January
<b>Exports</b>							
Volume (million cubic feet)							
<b>Pipeline</b>							
Canada	49,750	50,715	62,768	62,931	81,403	62,192	69,629
Mexico	123,173	115,836	115,606	104,857	103,413	97,234	98,841
<b>Total Pipeline Exports</b>	<b>172,923</b>	<b>166,551</b>	<b>178,375</b>	<b>167,789</b>	<b>184,816</b>	<b>159,426</b>	<b>168,470</b>
<b>LNG</b>							
Exports							
By Vessel							
Argentina	0	8,161	0	6,310	0	0	0
Bahamas	0	0	0	0	0	0	0
Barbados	8	2	1	3	2	2	0
Brazil	0	0	0	0	3,270	1,993	0
Chile	6,074	4,643	6,230	0	0	0	0
China	3,132	0	0	0	0	0	0
Colombia	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0
France	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0
India	0	3,617	0	0	2,844	0	0
Israel	0	0	0	0	0	0	0
Italy	0	0	0	0	0	0	0
Jamaica	0	0	0	0	0	0	0
Japan	0	0	0	0	0	0	0
Jordan	3,566	0	0	0	0	0	0
Kuwait	0	0	3,610	0	0	0	0
Lithuania	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0
Panama	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0
Portugal	0	0	0	3,700	0	0	0
Singapore	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0
Spain	2,930	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0
Thailand	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	3,391	0	0
United Kingdom	0	0	0	0	0	0	0
By Truck							
Canada	0	0	0	0	0	0	2
Mexico	28	22	33	23	24	24	25
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	1,290	0
India	0	0	0	0	547	0	0
Mexico	0	0	0	0	0	0	0
<b>Total LNG Exports</b>	<b>15,739</b>	<b>16,445</b>	<b>9,874</b>	<b>10,036</b>	<b>10,078</b>	<b>3,309</b>	<b>26</b>
<b>CNG</b>							
Canada	20	18	25	28	21	22	25
<b>Total CNG Exports</b>	<b>20</b>	<b>18</b>	<b>25</b>	<b>28</b>	<b>21</b>	<b>22</b>	<b>25</b>
<b>Total Exports</b>	<b>188,682</b>	<b>183,013</b>	<b>188,274</b>	<b>177,853</b>	<b>194,915</b>	<b>162,757</b>	<b>168,521</b>

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	
	Total	December	November	October	September	August	July	June	
<b>Exports</b>									
Average Price (dollars per thousand cubic feet)									
<b>Pipeline</b>									
Canada	3.41	4.60	4.36	3.25	2.92	2.97	2.83	2.75	
Mexico	3.30	4.24	3.64	3.29	3.00	3.21	3.03	3.03	
<b>Total Pipeline Exports</b>	<b>3.33</b>	<b>4.39</b>	<b>3.92</b>	<b>3.28</b>	<b>2.98</b>	<b>3.14</b>	<b>2.98</b>	<b>2.96</b>	
<b>LNG</b>									
Exports									
By Vessel									
Argentina	6.01	--	--	--	--	6.61	6.91	--	
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Brazil	6.05	--	--	--	--	5.79	5.90	--	
Chile	4.33	5.63	3.61	--	3.46	--	6.77	3.44	
China	4.48	5.63	6.64	3.61	--	3.38	3.53	6.56	
Colombia	4.86	--	--	--	--	6.49	6.70	3.44	
Dominican Republic	3.91	--	--	--	--	3.38	--	--	
Egypt	3.27	--	--	--	--	--	--	--	
France	7.03	7.47	7.02	6.72	--	--	--	--	
Greece	7.62	7.62	--	--	--	--	--	--	
India	5.02	6.64	--	5.23	4.76	--	6.83	3.44	
Israel	6.48	--	--	--	--	--	--	--	
Italy	6.45	7.79	--	6.72	4.99	--	--	--	
Jamaica	6.92	--	6.92	--	--	--	--	--	
Japan	6.87	8.42	6.34	7.91	7.13	8.25	6.86	6.34	
Jordan	4.10	--	3.80	3.61	--	3.38	--	6.85	
Kuwait	6.67	--	--	--	--	6.49	--	--	
Lithuania	--	--	--	--	--	--	--	--	
Malta	6.70	--	--	--	--	--	6.70	--	
Mexico	4.70	5.04	6.92	5.22	4.40	5.04	4.06	4.58	
Netherlands	6.61	--	6.83	6.72	6.58	--	--	--	
Pakistan	5.60	--	--	--	--	--	--	--	
Panama	5.46	5.63	--	--	--	--	--	--	
Poland	7.12	--	7.12	--	--	--	--	--	
Portugal	5.45	8.79	--	--	3.46	6.94	--	--	
Singapore	5.63	5.63	--	--	--	--	--	--	
South Korea	4.54	6.88	3.80	4.52	3.86	3.38	3.58	3.44	
Spain	4.59	--	3.80	3.46	--	--	6.70	--	
Taiwan	6.51	7.49	--	--	--	--	6.70	6.56	
Thailand	--	--	--	--	--	--	--	--	
Turkey	5.42	6.37	6.92	3.61	--	--	--	--	
United Arab Emirates	3.46	--	--	--	3.46	--	--	--	
United Kingdom	5.77	6.87	5.65	5.13	3.46	--	--	--	
By Truck									
Canada	10.35	10.29	--	--	8.23	--	--	--	
Mexico	8.52	9.30	9.31	7.30	7.62	9.81	8.80	7.04	
Re-Exports									
By Vessel									
Argentina	--	--	--	--	--	--	--	--	
Brazil	--	--	--	--	--	--	--	--	
India	--	--	--	--	--	--	--	--	
Mexico	--	--	--	--	--	--	--	--	
<b>Total LNG Exports</b>	<b>5.20</b>	<b>6.86</b>	<b>5.62</b>	<b>4.92</b>	<b>4.78</b>	<b>5.33</b>	<b>5.28</b>	<b>4.65</b>	
<b>CNG</b>									
Canada	4.69	11.62	4.40	3.50	2.98	2.89	2.88	2.63	
<b>Total CNG Exports</b>	<b>4.69</b>	<b>11.62</b>	<b>4.40</b>	<b>3.50</b>	<b>2.98</b>	<b>2.89</b>	<b>2.88</b>	<b>2.63</b>	
<b>Total Exports</b>	<b>3.90</b>	<b>5.23</b>	<b>4.47</b>	<b>3.76</b>	<b>3.46</b>	<b>3.78</b>	<b>3.72</b>	<b>3.43</b>	

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		
	May	April	March	February	January	Total	December	November
<b>Exports</b>								
Average Price (dollars per thousand cubic feet)								
<b>Pipeline</b>								
Canada	2.63	2.90	2.63	3.16	4.18	3.12	3.19	2.99
Mexico	3.09	3.01	3.00	3.41	3.64	3.26	3.34	3.29
<b>Total Pipeline Exports</b>	<b>2.99</b>	<b>2.97</b>	<b>2.87</b>	<b>3.31</b>	<b>3.86</b>	<b>3.20</b>	<b>3.28</b>	<b>3.18</b>
<b>LNG</b>								
Exports								
By Vessel								
Argentina	4.59	5.56	6.28	--	--	4.64	--	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.40	10.40	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.40	10.40	10.40
Brazil	6.48	6.33	7.46	--	--	4.15	--	--
Chile	--	4.76	3.15	4.34	3.27	5.43	3.68	--
China	4.31	3.67	4.20	5.93	4.84	4.32	4.87	4.60
Colombia	--	3.21	--	--	--	--	--	--
Dominican Republic	6.80	--	3.15	--	--	4.15	--	3.30
Egypt	--	--	--	--	3.27	4.93	--	--
France	--	--	--	--	--	--	--	--
Greece	--	--	--	--	--	--	--	--
India	3.37	6.33	5.22	--	3.27	4.84	6.80	4.41
Israel	6.48	--	--	--	--	--	--	--
Italy	--	--	--	--	--	3.95	--	--
Jamaica	--	--	--	--	--	--	--	--
Japan	7.11	4.95	--	7.46	3.27	6.13	5.87	--
Jordan	3.37	6.63	3.15	4.34	--	4.40	3.68	--
Kuwait	6.76	--	--	--	--	4.38	--	--
Lithuania	--	--	--	--	--	3.84	--	--
Malta	--	--	--	--	--	4.70	--	--
Mexico	5.47	3.98	4.32	4.85	4.43	4.93	3.68	4.85
Netherlands	--	6.33	--	--	--	6.35	--	--
Pakistan	6.63	6.33	6.28	--	3.27	3.14	--	--
Panama	6.80	--	3.15	--	--	--	--	--
Poland	--	--	--	--	--	4.26	--	--
Portugal	--	--	--	--	3.27	5.65	--	3.29
Singapore	--	--	--	--	--	--	--	--
South Korea	3.84	3.66	3.15	5.85	5.31	4.18	4.20	4.60
Spain	--	--	--	--	--	4.94	5.73	3.29
Taiwan	--	--	--	5.89	--	4.77	--	6.41
Thailand	--	--	--	--	--	3.14	--	--
Turkey	--	--	--	4.34	3.27	4.84	3.68	3.98
United Arab Emirates	--	--	--	--	--	3.87	--	--
United Kingdom	--	--	5.89	--	--	3.87	--	--
By Truck								
Canada	--	7.79	--	13.63	19.21	8.05	--	7.35
Mexico	7.18	6.40	8.03	8.43	7.49	8.74	8.11	7.94
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	5.00	--	--
<b>Total LNG Exports</b>	<b>5.03</b>	<b>4.56</b>	<b>4.45</b>	<b>5.62</b>	<b>4.34</b>	<b>4.69</b>	<b>4.74</b>	<b>4.47</b>
<b>CNG</b>								
Canada	2.75	4.29	3.48	--	12.47	4.76	6.53	1.38
<b>Total CNG Exports</b>	<b>2.75</b>	<b>4.29</b>	<b>3.48</b>	<b>--</b>	<b>12.47</b>	<b>4.76</b>	<b>6.53</b>	<b>1.38</b>
<b>Total Exports</b>	<b>3.70</b>	<b>3.46</b>	<b>3.37</b>	<b>3.93</b>	<b>3.97</b>	<b>3.54</b>	<b>3.68</b>	<b>3.54</b>

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

	October	September	August	July	June	May	April	March
<b>2017</b>								
<b>Exports</b>								
Average Price (dollars per thousand cubic feet)								
<b>Pipeline</b>								
Canada	2.78	2.88	2.84	2.90	3.02	3.16	3.19	3.01
Mexico	3.28	3.29	3.27	3.22	3.13	3.20	3.27	2.93
<b>Total Pipeline Exports</b>	<b>3.11</b>	<b>3.14</b>	<b>3.13</b>	<b>3.12</b>	<b>3.10</b>	<b>3.19</b>	<b>3.24</b>	<b>2.97</b>
<b>LNG</b>								
Exports								
By Vessel								
Argentina	--	--	--	--	3.87	4.77	4.82	--
Bahamas	--	--	--	--	--	--	--	--
Barbados	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.40
Brazil	4.14	3.55	--	4.23	--	4.63	--	--
Chile	3.56	--	--	3.67	6.46	--	6.65	6.26
China	3.56	3.99	--	3.67	--	4.62	--	--
Colombia	--	--	--	--	--	--	--	--
Dominican Republic	--	3.55	--	--	--	--	--	5.59
Egypt	--	--	3.55	6.26	--	--	--	--
France	--	--	--	--	--	--	--	--
Greece	--	--	--	--	--	--	--	--
India	--	--	--	--	4.67	--	--	--
Israel	--	--	--	--	--	--	--	--
Italy	--	--	3.55	--	4.38	--	--	--
Jamaica	--	--	--	--	--	--	--	--
Japan	3.56	--	6.14	--	6.99	6.88	6.92	--
Jordan	5.45	--	3.55	--	--	3.76	--	4.42
Kuwait	--	--	--	4.51	--	4.77	4.19	3.14
Lithuania	--	3.55	4.13	--	--	--	--	--
Malta	--	--	--	--	--	--	--	--
Mexico	5.54	3.98	3.55	4.17	4.40	4.67	4.31	5.25
Netherlands	--	--	--	--	--	6.35	--	--
Pakistan	--	--	--	--	--	--	--	3.14
Panama	--	--	--	--	--	--	--	--
Poland	--	--	--	--	--	4.26	--	--
Portugal	--	--	4.38	6.26	--	6.35	--	--
Singapore	--	--	--	--	--	--	--	--
South Korea	4.15	4.05	3.59	3.67	3.87	4.88	6.39	3.81
Spain	3.56	3.55	3.55	6.26	--	--	--	--
Taiwan	3.56	--	--	--	--	4.43	--	--
Thailand	--	--	--	--	--	--	--	3.14
Turkey	--	3.55	--	--	--	--	--	4.60
United Arab Emirates	--	--	--	--	--	3.89	3.80	--
United Kingdom	--	--	--	--	3.87	--	--	--
By Truck								
Canada	--	--	--	--	--	--	--	8.39
Mexico	8.43	8.67	8.94	8.79	9.04	8.90	8.95	8.64
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Mexico	5.00	--	--	--	--	--	--	--
<b>Total LNG Exports</b>	<b>4.02</b>	<b>3.88</b>	<b>3.88</b>	<b>4.26</b>	<b>4.61</b>	<b>4.80</b>	<b>5.16</b>	<b>4.47</b>
<b>CNG</b>								
Canada	1.00	--	2.50	2.72	3.14	3.39	3.35	3.32
<b>Total CNG Exports</b>	<b>1.00</b>	<b>--</b>	<b>2.50</b>	<b>2.72</b>	<b>3.14</b>	<b>3.39</b>	<b>3.35</b>	<b>3.32</b>
<b>Total Exports</b>	<b>3.37</b>	<b>3.30</b>	<b>3.27</b>	<b>3.37</b>	<b>3.41</b>	<b>3.57</b>	<b>3.63</b>	<b>3.21</b>

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	
	February	January	Total	December	November	October	September	August
<b>Exports</b>								
Average Price (dollars per thousand cubic feet)								
<b>Pipeline</b>								
Canada	3.22	3.85	2.60	3.82	2.71	2.72	2.83	2.65
Mexico	3.24	3.66	2.64	3.51	2.75	3.16	3.06	2.92
<b>Total Pipeline Exports</b>	<b>3.23</b>	<b>3.74</b>	<b>2.63</b>	<b>3.65</b>	<b>2.74</b>	<b>3.05</b>	<b>2.99</b>	<b>2.84</b>
<b>LNG</b>								
Exports								
By Vessel								
Argentina	--	--	4.47	--	--	--	--	4.51
Bahamas	--	--	--	--	--	--	--	--
Barbados	10.40	10.40	10.12	10.00	10.00	10.00	10.00	10.00
Brazil	--	--	4.39	--	--	--	--	5.29
Chile	7.18	--	5.30	--	5.64	--	--	5.53
China	4.92	4.70	4.16	4.50	3.21	--	--	--
Colombia	--	--	--	--	--	--	--	--
Dominican Republic	--	--	5.41	--	--	--	--	5.41
Egypt	--	--	6.46	6.46	--	--	--	--
France	--	--	--	--	--	--	--	--
Greece	--	--	--	--	--	--	--	--
India	4.06	4.70	4.92	--	5.74	--	5.00	5.01
Israel	--	--	--	--	--	--	--	--
Italy	--	--	6.32	--	6.32	--	--	--
Jamaica	--	--	--	--	--	--	--	--
Japan	7.18	6.65	3.76	3.76	--	--	--	--
Jordan	4.06	6.41	5.11	--	--	3.52	5.74	--
Kuwait	5.50	--	4.40	--	--	--	5.58	--
Lithuania	--	--	--	--	--	--	--	--
Malta	--	4.70	--	--	--	--	--	--
Mexico	6.40	7.15	4.56	4.14	4.64	--	5.53	4.23
Netherlands	--	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--	--
Panama	--	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--	--
Portugal	7.18	7.29	3.58	--	--	--	--	--
Singapore	--	--	--	--	--	--	--	--
South Korea	--	--	5.75	5.75	--	--	--	--
Spain	7.18	6.28	4.92	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--
Thailand	--	--	--	--	--	--	--	--
Turkey	6.91	--	3.53	3.87	3.30	--	3.41	--
United Arab Emirates	--	--	4.18	--	--	--	--	--
United Kingdom	--	--	--	--	--	--	--	--
By Truck								
Canada	--	--	7.50	--	--	7.70	--	--
Mexico	9.97	9.66	9.81	10.20	9.72	10.06	9.78	9.72
Re-Exports								
By Vessel								
Argentina	--	--	4.51	--	--	--	--	4.51
Brazil	--	--	3.64	--	--	--	--	4.57
India	--	--	3.98	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
<b>Total LNG Exports</b>	<b>5.99</b>	<b>6.44</b>	<b>4.71</b>	<b>4.68</b>	<b>4.58</b>	<b>3.65</b>	<b>5.11</b>	<b>5.13</b>
<b>CNG</b>								
Canada	7.73	12.97	3.30	4.72	2.55	2.53	--	--
<b>Total CNG Exports</b>	<b>7.73</b>	<b>12.97</b>	<b>3.30</b>	<b>4.72</b>	<b>2.55</b>	<b>2.53</b>	--	--
<b>Total Exports</b>	<b>3.79</b>	<b>4.25</b>	<b>2.79</b>	<b>3.82</b>	<b>3.00</b>	<b>3.06</b>	<b>3.16</b>	<b>3.13</b>

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

<sup>R</sup> Revised data.

-- Not applicable.

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

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

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

(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
<b>2013 Total</b>	<b>3,215,358</b>	<b>1,139,654</b>	<b>252,310</b>	<b>1,604,860</b>	<b>292,467</b>	<b>2,366,943</b>	<b>63,242</b>	<b>1,247,394</b>	<b>345,787</b>	<b>166,017</b>
<b>2014 Total</b>	<b>3,168,545</b>	<b>1,122,733</b>	<b>238,988</b>	<b>1,643,487</b>	<b>286,480</b>	<b>1,968,618</b>	<b>59,160</b>	<b>1,266,379</b>	<b>463,216</b>	<b>512,371</b>
<b>2015 Total</b>	<b>3,175,301</b>	<b>1,010,382</b>	<b>236,648</b>	<b>1,688,733</b>	<b>284,184</b>	<b>1,813,232</b>	<b>58,240</b>	<b>1,296,793</b>	<b>584,632</b>	<b>1,007,270</b>
<b>2016</b>										
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
<b>Total</b>	<b>3,230,193</b>	<b>823,196</b>	<b>205,025</b>	<b>1,688,375</b>	<b>244,795</b>	<b>1,793,406</b>	<b>52,146</b>	<b>1,282,666</b>	<b>608,849</b>	<b>1,437,285</b>
<b>2017</b>										
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
<b>Total</b>	<b>3,250,769</b>	<b>707,292</b>	<b>209,327</b>	<b>1,687,667</b>	<b>214,480</b>	<b>2,147,612</b>	<b>49,218</b>	<b>1,324,909</b>	<b>688,605</b>	<b>1,772,932</b>
<b>2018</b>										
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	€16,421	€144,180	€16,144	€232,868	€3,734	€123,048	€68,891	€186,149
July	234,050	€49,707	€16,922	€151,809	€17,513	€248,001	€4,015	€132,395	€73,923	€200,544
August	242,885	€49,920	€16,882	€155,356	€17,161	€251,004	€4,015	€135,952	€74,976	€203,149
September	255,600	€48,006	€16,402	€153,057	€16,777	€239,267	€3,890	€131,007	€75,241	€208,660
October	271,064	RE49,565	€16,916	RE160,033	RE17,018	RE254,300	RE3,918	RE138,279	RE78,982	RE221,811
November	290,820	RE47,589	€16,433	RE157,697	RE16,392	RE247,411	RE3,883	RE134,522	RE75,305	RE219,459
December	304,668	€48,578	€16,858	€166,614	€16,376	€248,616	€3,973	€141,949	€81,049	€222,241
<b>Total</b>	<b>3,254,747</b>	<b>€594,704</b>	<b>€199,186</b>	<b>€1,830,477</b>	<b>€202,992</b>	<b>€2,828,498</b>	<b>€46,287</b>	<b>€1,525,229</b>	<b>€856,376</b>	<b>€2,383,174</b>

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
<b>2013 Total</b>	<b>1,993,754</b>	<b>3,259,042</b>	<b>8,299,472</b>	<b>470,863</b>	<b>741,853</b>	<b>2,047,757</b>	<b>689,082</b>	<b>1,326,697</b>	<b>29,522,551</b>
<b>2014 Total</b>	<b>2,331,086</b>	<b>4,257,693</b>	<b>8,659,188</b>	<b>454,545</b>	<b>1,067,114</b>	<b>1,998,505</b>	<b>631,536</b>	<b>1,275,738</b>	<b>31,405,381</b>
<b>2015 Total</b>	<b>2,499,599</b>	<b>4,812,983</b>	<b>8,799,465</b>	<b>417,020</b>	<b>1,315,248</b>	<b>1,995,920</b>	<b>611,356</b>	<b>1,307,641</b>	<b>32,914,647</b>
<b>2016</b>									
January	214,000	442,434	709,938	33,692	116,943	163,388	50,050	106,127	2,823,104
February	201,258	426,244	666,642	30,756	109,571	151,068	47,820	98,287	2,653,842
March	214,561	444,309	708,832	32,961	113,695	164,016	49,521	108,380	2,824,983
April	203,524	426,424	681,793	31,448	112,470	155,715	47,633	98,939	2,678,610
May	211,836	439,310	701,679	31,673	116,018	153,550	48,419	107,850	2,767,844
June	202,081	431,137	678,190	29,730	104,660	152,538	46,193	95,158	2,628,164
July	210,617	440,575	693,378	30,376	119,034	143,881	47,486	101,199	2,721,210
August	211,218	439,910	688,855	30,330	121,035	145,537	47,732	103,424	2,722,631
September	202,202	414,330	656,230	28,875	115,466	151,851	46,417	95,284	2,626,213
October	206,225	417,455	675,365	29,216	117,061	160,094	46,916	102,131	2,720,187
November	195,366	431,708	645,281	27,880	116,843	152,711	46,361	99,339	2,678,247
December	195,424	456,371	650,116	28,332	121,664	154,274	47,272	104,539	2,746,543
<b>Total</b>	<b>2,468,312</b>	<b>5,210,209</b>	<b>8,156,296</b>	<b>365,268</b>	<b>1,384,458</b>	<b>1,848,623</b>	<b>571,820</b>	<b>1,220,656</b>	<b>32,591,578</b>
<b>2017</b>									
January	193,927	460,918	648,850	27,703	123,989	148,233	47,062	102,987	2,748,684
February	179,163	415,355	600,163	25,039	112,378	136,489	43,038	90,210	2,504,926
March	207,995	460,321	659,935	27,541	126,645	152,801	46,020	103,119	2,811,662
April	203,362	447,576	645,039	26,632	121,705	148,606	44,942	92,253	2,703,018
May	207,889	458,392	673,537	27,553	131,952	147,115	45,864	96,498	2,787,032
June	203,690	443,483	661,942	26,320	130,111	148,655	44,055	88,406	2,693,285
July	213,003	457,004	692,994	26,480	136,091	151,986	43,157	95,280	2,763,649
August	218,247	450,180	675,036	26,376	143,578	153,381	44,419	90,190	2,780,821
September	211,644	443,450	664,234	25,376	139,445	149,107	43,781	85,952	2,767,345
October	226,421	447,617	690,921	25,908	144,282	154,561	43,669	78,293	2,906,765
November	220,016	473,760	680,803	24,692	142,990	153,924	42,894	79,262	2,884,127
December	228,540	505,832	702,282	25,114	147,884	159,824	43,552	75,679	3,006,062
<b>Total</b>	<b>2,513,897</b>	<b>5,463,888</b>	<b>7,995,736</b>	<b>314,733</b>	<b>1,601,047</b>	<b>1,804,681</b>	<b>532,453</b>	<b>1,078,130</b>	<b>33,357,375</b>
<b>2018</b>									
January	€227,286	€500,205	€682,935	€25,601	€141,628	€150,657	€42,447	€78,466	€2,959,321
February	€210,361	€461,491	€627,460	€23,088	€130,261	€134,640	€39,077	€73,749	€2,723,563
March	€240,653	€504,670	€705,295	€26,087	€146,465	€150,489	€44,572	€82,685	€3,048,056
April	€235,092	€491,030	€692,906	€25,100	€138,210	€145,180	€41,853	€74,284	€2,959,887
May	€243,974	€498,922	€739,934	€25,416	€150,963	€147,038	€43,201	€77,499	€3,081,754
June	€241,563	€493,551	€723,434	€24,670	€143,939	€137,975	€42,150	€78,100	€2,954,943
July	€252,810	€525,512	€759,558	€25,144	€143,239	€142,181	€42,429	€88,346	€3,108,098
August	€259,041	€534,949	€775,144	€25,149	€154,543	€142,891	€43,750	€93,447	€3,180,213
September	€253,105	€531,259	€755,750	€24,362	€152,942	€142,420	€41,651	€85,391	€3,134,786
October	RE261,852	RE555,294	RE782,625	RE24,739	RE163,908	RE145,903	€43,529	RE82,288	RE3,272,022
November	RE252,679	RE546,400	RE761,367	RE23,931	RE163,643	RE139,710	RE41,865	RE88,135	RE3,227,242
December	€264,060	€563,389	€797,238	€24,230	€169,290	€142,577	€42,466	€87,315	€3,341,486
<b>Total</b>	<b>€2,942,478</b>	<b>€6,206,672</b>	<b>€8,803,646</b>	<b>€297,518</b>	<b>€1,799,029</b>	<b>€1,721,662</b>	<b>€508,988</b>	<b>€989,707</b>	<b>€36,991,370</b>

<sup>E</sup> Estimated data.

<sup>RE</sup> 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 2018, 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
<b>2013 Total</b>	<b>338,182</b>	<b>1,139,654</b>	<b>252,310</b>	<b>1,604,860</b>	<b>292,467</b>	<b>2,360,202</b>	<b>63,242</b>	<b>1,171,640</b>	<b>235,711</b>	<b>166,017</b>
<b>2014 Total</b>	<b>345,310</b>	<b>1,122,733</b>	<b>238,988</b>	<b>1,643,487</b>	<b>286,480</b>	<b>1,960,813</b>	<b>59,160</b>	<b>1,229,519</b>	<b>326,491</b>	<b>512,371</b>
<b>2015 Total</b>	<b>343,625</b>	<b>1,010,382</b>	<b>236,648</b>	<b>1,688,733</b>	<b>284,184</b>	<b>1,805,197</b>	<b>51,356</b>	<b>1,245,145</b>	<b>471,360</b>	<b>1,007,270</b>
<b>2016</b>										
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
<b>Total</b>	<b>332,749</b>	<b>823,196</b>	<b>205,025</b>	<b>1,685,755</b>	<b>244,795</b>	<b>1,784,396</b>	<b>47,921</b>	<b>1,229,647</b>	<b>531,997</b>	<b>1,437,285</b>
<b>2017</b>										
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
<b>Total</b>	<b>344,385</b>	<b>707,292</b>	<b>209,327</b>	<b>1,683,388</b>	<b>214,480</b>	<b>2,138,918</b>	<b>46,090</b>	<b>1,293,040</b>	<b>594,053</b>	<b>1,772,932</b>
<b>2018</b>										
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	£16,421	£143,820	£16,144	£231,937	£3,497	£120,082	£59,432	£186,149
July	26,116	£49,707	£16,922	£151,430	£17,513	£247,009	£3,759	£129,204	£63,773	£200,544
August	26,127	£49,920	£16,882	£154,968	£17,161	£250,000	£3,759	£132,675	£64,682	£203,149
September	27,050	£48,006	£16,402	£152,675	£16,777	£238,310	£3,643	£127,850	£64,910	£208,660
October	£28,262	RE49,565	£16,916	RE159,633	RE17,018	RE253,283	RE3,669	RE134,946	RE68,138	RE221,811
November	29,407	RE47,589	£16,433	RE157,303	RE16,392	RE246,421	RE3,636	RE131,280	RE64,966	RE219,459
December	30,927	£48,578	£16,858	£166,197	£16,376	£247,622	£3,720	£138,528	£69,921	£222,241
<b>Total</b>	<b>341,381</b>	<b>£594,704</b>	<b>£199,186</b>	<b>£1,825,900</b>	<b>£202,992</b>	<b>£2,817,184</b>	<b>£43,343</b>	<b>£1,488,471</b>	<b>£738,796</b>	<b>£2,383,174</b>

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
<b>2013 Total</b>	<b>1,993,754</b>	<b>3,259,042</b>	<b>7,633,618</b>	<b>470,863</b>	<b>741,853</b>	<b>1,858,207</b>	<b>671,364</b>	<b>1,309,246</b>	<b>25,562,232</b>
<b>2014 Total</b>	<b>2,331,086</b>	<b>4,257,693</b>	<b>7,985,019</b>	<b>454,545</b>	<b>1,067,114</b>	<b>1,794,413</b>	<b>628,854</b>	<b>1,253,678</b>	<b>27,497,754</b>
<b>2015 Total</b>	<b>2,499,599</b>	<b>4,812,983</b>	<b>7,890,459</b>	<b>417,020</b>	<b>1,315,248</b>	<b>1,808,519</b>	<b>592,373</b>	<b>1,291,945</b>	<b>28,772,044</b>
<b>2016</b>									
January	214,000	442,434	622,924	33,692	116,943	147,676	48,850	104,422	2,435,375
February	201,258	426,244	596,319	30,756	109,571	137,429	46,815	96,715	2,310,521
March	214,561	444,309	622,809	32,961	113,695	147,394	48,469	106,846	2,441,976
April	203,524	426,424	612,599	31,448	112,470	140,677	46,664	97,457	2,361,554
May	211,836	439,310	618,479	31,673	116,018	138,420	47,540	106,386	2,412,475
June	202,081	431,137	601,588	29,730	104,660	137,007	45,387	93,331	2,312,288
July	210,617	440,575	624,567	30,376	119,034	130,346	46,573	99,010	2,408,915
August	211,218	439,910	609,656	30,330	121,035	131,856	46,708	101,907	2,389,813
September	202,202	414,330	581,717	28,875	115,466	135,764	45,464	93,762	2,297,402
October	206,225	417,455	594,772	29,216	117,061	143,151	45,933	100,613	2,364,679
November	195,366	431,708	568,877	27,880	116,843	136,200	45,364	97,909	2,307,494
December	195,424	456,371	571,165	28,332	121,664	136,987	46,220	102,311	2,357,556
<b>Total</b>	<b>2,468,312</b>	<b>5,210,209</b>	<b>7,225,472</b>	<b>365,268</b>	<b>1,384,458</b>	<b>1,662,909</b>	<b>559,985</b>	<b>1,200,669</b>	<b>28,400,049</b>
<b>2017</b>									
January	193,927	460,918	562,977	27,703	123,989	125,802	45,868	101,371	2,355,370
February	179,163	415,355	521,489	25,039	112,378	115,936	41,938	88,458	2,145,526
March	207,995	460,321	592,173	27,541	126,645	129,287	44,722	101,586	2,430,983
April	203,362	447,576	583,129	26,632	121,705	131,381	43,761	90,802	2,355,065
May	207,889	458,392	600,541	27,553	131,952	131,989	44,643	95,171	2,429,523
June	203,690	443,483	591,282	26,320	130,111	131,082	42,967	86,831	2,369,620
July	213,003	457,004	621,007	26,480	136,091	134,587	42,014	93,910	2,478,626
August	218,247	450,180	602,991	26,376	143,578	134,827	43,286	88,800	2,478,038
September	211,644	443,450	593,431	25,376	139,445	130,690	42,620	84,476	2,434,007
October	226,421	447,617	623,160	25,908	144,282	137,608	42,363	76,533	2,550,312
November	220,016	473,760	615,496	24,692	142,990	138,440	41,775	78,022	2,534,983
December	228,540	505,832	627,818	25,114	147,884	143,856	42,334	74,340	2,634,990
<b>Total</b>	<b>2,513,897</b>	<b>5,463,888</b>	<b>7,135,494</b>	<b>314,733</b>	<b>1,601,047</b>	<b>1,585,486</b>	<b>518,291</b>	<b>1,060,300</b>	<b>29,197,042</b>
<b>2018</b>									
January	€227,286	€500,205	€609,451	€25,601	€141,628	€132,352	€41,326	€77,172	€2,586,405
February	€210,361	€461,491	€559,945	€23,088	€130,261	€118,281	€38,046	€72,532	€2,384,581
March	€240,653	€504,670	€629,405	€26,087	€146,465	€132,204	€43,395	€81,321	€2,672,927
April	€235,092	€491,030	€618,349	€25,100	€138,210	€127,541	€40,748	€73,059	€2,597,880
May	€243,974	€498,922	€660,317	€25,416	€150,963	€129,173	€42,060	€76,220	€2,713,435
June	€241,563	€493,551	€645,593	€24,670	€143,939	€121,211	€41,037	€76,811	€2,641,008
July	€252,810	€525,512	€677,830	€25,144	€143,239	€124,906	€41,309	€86,889	€2,783,615
August	€259,041	€534,949	€691,738	€25,149	€154,543	€125,530	€42,595	€91,905	€2,844,773
September	€253,105	€531,259	€674,431	€24,362	€152,942	€125,116	€40,551	€83,982	€2,790,030
October	RE261,852	RE555,294	RE698,415	RE24,739	RE163,908	RE128,176	RE42,379	RE80,930	RE2,908,932
November	RE252,679	RE546,400	RE679,444	RE23,931	RE163,643	RE122,736	RE40,760	RE86,681	RE2,849,159
December	€264,060	€563,389	€711,456	€24,230	€169,290	€125,254	€41,345	€85,874	€2,945,864
<b>Total</b>	<b>€2,942,478</b>	<b>€6,206,672</b>	<b>€7,856,374</b>	<b>€297,518</b>	<b>€1,799,029</b>	<b>€1,512,480</b>	<b>€495,551</b>	<b>€973,377</b>	<b>€32,718,610</b>

<sup>R</sup> Revised data.<sup>E</sup> Estimated data.<sup>RE</sup> Revised estimated data.

**Notes:** For 2018 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 2018, 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 <sup>a</sup>	Volume	Percent	Injections	Withdrawals	Net Withdrawals <sup>b</sup>
<b>2013 Total<sup>c</sup></b>	--	--	--	--	--	<b>3,156</b>	<b>3,702</b>	<b>546</b>
<b>2014 Total<sup>c</sup></b>	--	--	--	--	--	<b>3,839</b>	<b>3,586</b>	<b>-253</b>
<b>2015 Total<sup>c</sup></b>	--	--	--	--	--	<b>3,638</b>	<b>3,100</b>	<b>-539</b>
<b>2016</b>								
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
<b>Total</b>	--	--	--	--	--	<b>2,977</b>	<b>3,325</b>	<b>348</b>
<b>2017</b>								
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
<b>Total</b>	--	--	--	--	--	<b>3,337</b>	<b>3,590</b>	<b>254</b>
<b>2018</b>								
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	4,353	1,391	5,744	-672	-32.6	164	449	285
April	4,350	1,427	5,778	-864	-37.7	256	224	-32
May	4,352	1,848	6,200	-779	-29.7	489	66	-423
June	4,354	2,196	6,550	-711	-24.5	436	88	-349
July	4,355	2,382	6,737	-672	-22.0	362	175	-186
August	4,356	2,617	6,973	-633	-19.5	407	172	-235
September	4,356	2,951	7,306	-617	-17.3	464	130	-334
October	4,357	3,237	7,594	-580	-15.2	422	131	-291
November	4,356	3,031	7,387	-678	-18.3	213	418	205
December	4,359	2,713	7,072	-320	-10.5	191	510	319
<b>Total</b>	--	--	--	--	--	<b>3,676</b>	<b>3,997</b>	<b>321</b>

<sup>a</sup> 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.

<sup>b</sup> Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

<sup>c</sup> Total as of December 31.

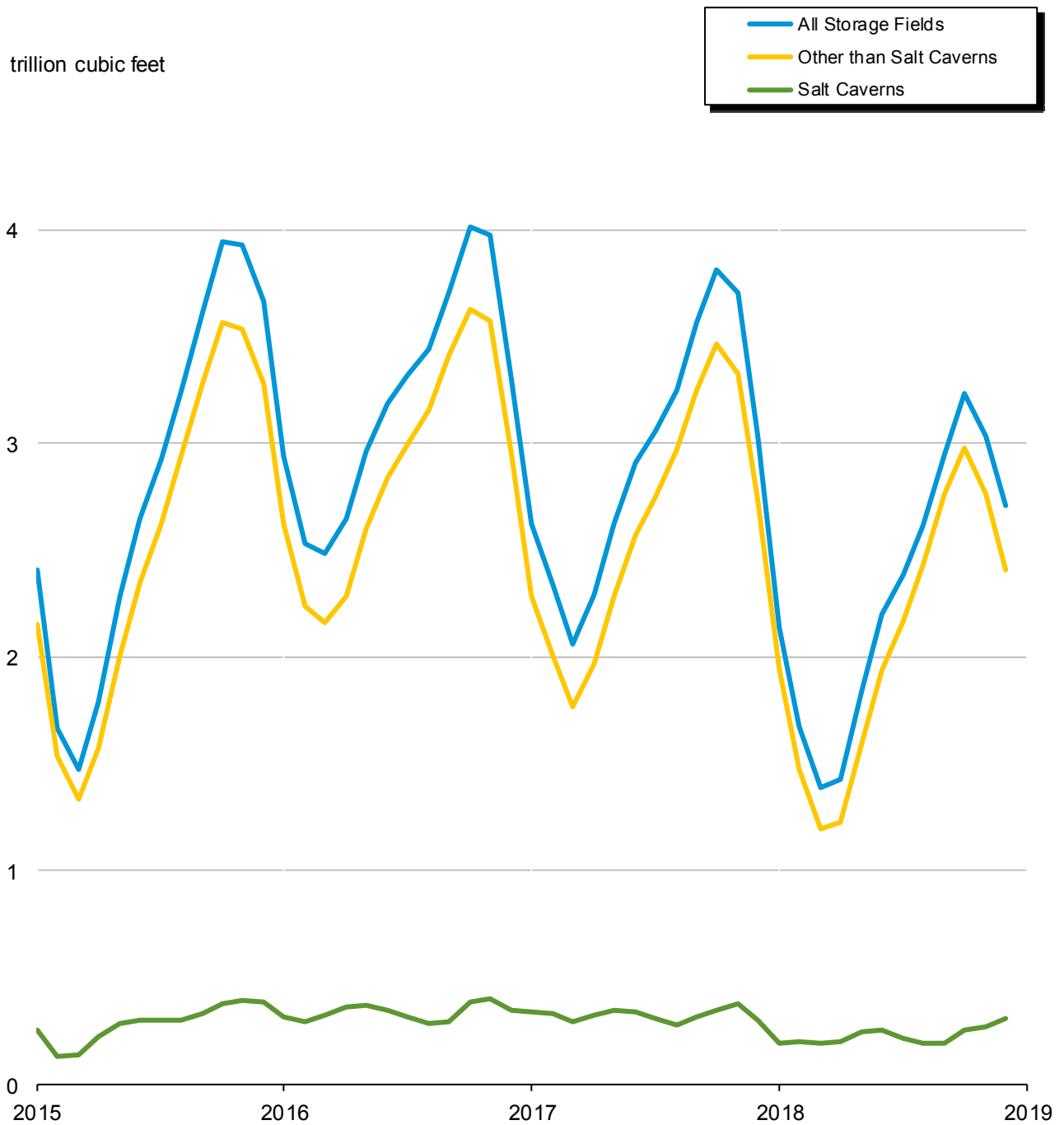
– Not applicable.

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

Table 9. Underground natural gas storage – by season, 2017-2019

(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 <sup>a</sup>
<b>2017 Heating Season</b>								
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	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
<b>Total</b>	--	--	--	--	--	<b>689</b>	<b>2,634</b>	<b>1,945</b>
<b>2017 Refill Season</b>								
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
<b>Total</b>	--	--	--	--	--	<b>2,622</b>	<b>861</b>	<b>-1,761</b>
<b>2018 Heating Season</b>								
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
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	4,353	1,391	5,744	-672	-32.6	164	449	285
<b>Total</b>	--	--	--	--	--	<b>727</b>	<b>3,155</b>	<b>2,428</b>
<b>2018 Refill Season</b>								
April	4,350	1,427	5,778	-864	-37.7	256	224	-32
May	4,352	1,848	6,200	-779	-29.7	489	66	-423
June	4,354	2,196	6,550	-711	-24.5	436	88	-349
July	4,355	2,382	6,737	-672	-22.0	362	175	-186
August	4,356	2,617	6,973	-633	-19.5	407	172	-235
September	4,356	2,951	7,306	-617	-17.3	464	130	-334
October	4,357	3,237	7,594	-580	-15.2	422	131	-291
<b>Total</b>	--	--	--	--	--	<b>2,834</b>	<b>985</b>	<b>-1,850</b>
<b>2019 Heating Season</b>								
November	4,356	3,031	7,387	-678	-18.3	213	418	205
December	4,359	2,713	7,072	-320	-10.5	191	510	319

<sup>a</sup> Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

-- Not applicable.

**Notes:** Data for 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 <sup>a</sup>
<b>2013 Total<sup>b</sup></b>	--	--	--	--	--	<b>492</b>	<b>521</b>	<b>29</b>
<b>2014 Total<sup>b</sup></b>	--	--	--	--	--	<b>634</b>	<b>552</b>	<b>-82</b>
<b>2015 Total<sup>b</sup></b>	--	--	--	--	--	<b>606</b>	<b>550</b>	<b>-56</b>
<b>2016</b>								
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
<b>Total</b>	--	--	--	--	--	<b>593</b>	<b>624</b>	<b>32</b>
<b>2017</b>								
January	195	338	533	26	8.3	69	80	11
February	195	328	522	33	11.0	43	53	10
March	196	292	487	-31	-9.5	51	86	35
April	197	326	523	-32	-9.0	79	43	-36
May	197	343	539	-25	-6.8	65	49	-16
June	196	339	535	-9	-2.7	48	51	4
July	198	304	502	-15	-4.7	32	66	34
August	198	279	477	-2	-0.8	42	67	24
September	197	318	515	23	7.7	79	41	-38
October	197	350	548	-33	-8.5	84	51	-33
November	197	379	576	-24	-5.9	66	38	-28
December	197	297	493	-52	-14.9	44	127	83
<b>Total</b>	--	--	--	--	--	<b>701</b>	<b>752</b>	<b>50</b>
<b>2018</b>								
January	195	192	388	-145	-43.0	84	189	105
February	196	196	392	-131	-40.1	60	55	-5
March	194	193	387	-99	-33.9	57	61	3
April	194	203	397	-123	-37.7	63	54	-8
May	195	249	444	-93	-27.2	79	31	-47
June	195	256	451	-83	-24.6	49	44	-6
July	196	214	410	-90	-29.5	35	77	41
August	196	188	384	-91	-32.7	44	71	27
September	196	191	387	-127	-39.9	65	62	-4
October	195	255	450	-96	-27.3	106	45	-61
November	195	271	466	-108	-28.5	81	65	-16
December	196	305	501	9	2.9	88	54	-34
<b>Total</b>	--	--	--	--	--	<b>811</b>	<b>807</b>	<b>-4</b>

<sup>a</sup> Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

<sup>b</sup> 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 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 <sup>a</sup>
<b>2013 Total<sup>b</sup></b>	--	--	--	--	--	<b>2,664</b>	<b>3,181</b>	<b>517</b>
<b>2014 Total<sup>b</sup></b>	--	--	--	--	--	<b>3,205</b>	<b>3,034</b>	<b>-171</b>
<b>2015 Total<sup>b</sup></b>	--	--	--	--	--	<b>3,032</b>	<b>2,549</b>	<b>-482</b>
<b>2016</b>								
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
<b>Total</b>	--	--	--	--	--	<b>2,384</b>	<b>2,700</b>	<b>316</b>
<b>2017</b>								
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
<b>Total</b>	--	--	--	--	--	<b>2,635</b>	<b>2,839</b>	<b>203</b>
<b>2018</b>								
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	5,755	-686	-30.0	410	35	-376
June	4,159	1,940	6,099	-628	-24.4	387	44	-343
July	4,159	2,167	6,327	-583	-21.2	326	99	-228
August	4,159	2,430	6,589	-541	-18.2	363	101	-262
September	4,160	2,760	6,920	-490	-15.1	398	68	-330
October	4,162	2,982	7,144	-484	-14.0	316	86	-230
November	4,161	2,760	6,921	-570	-17.1	132	352	221
December	4,163	2,408	6,570	-329	-12.0	102	455	353
<b>Total</b>	--	--	--	--	--	<b>2,864</b>	<b>3,190</b>	<b>326</b>

<sup>a</sup> Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

<sup>b</sup> 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
	Total	December	November	October	September	August	July	June
Alabama	2,660	-4,038	-553	-3,424	3,736	3,070	2,879	1,165
Alaska <sup>a</sup>	-896	1,678	376	-743	-1,536	-1,795	-1,862	-1,749
Arkansas	-654	763	779	-345	-522	-931	-793	-838
California	52,175	33,067	11,111	-365	-12,150	290	8,376	-18,473
Colorado	5,422	9,020	1,471	-2,840	-4,713	-5,997	-2,338	-6,154
Illinois	-3,404	44,338	5,019	-43,390	-42,720	-34,744	-28,754	-29,674
Indiana	-279	3,094	497	-2,417	-3,720	-4,155	-2,826	-3,023
Iowa	2,874	18,169	8,860	-19,964	-19,504	-15,538	-1,673	-1,593
Kansas	-796	14,219	6,918	-8,986	-13,872	-13,675	-12,141	-12,300
Kentucky	10,209	6,435	5,196	-4,344	-9,599	-4,460	-2,846	-5,514
Louisiana	58,494	10,719	22,799	-24,437	-20,246	-4,409	7,158	-17,984
Maryland	-2,128	-346	288	-1,099	-652	-2,598	-2,904	-3,246
Michigan	43,376	58,969	44,138	-54,740	-65,317	-74,298	-76,375	-75,997
Minnesota	-274	22	10	-196	-279	-269	-221	-162
Mississippi	7,009	-13,517	825	-18,359	9,728	11,902	13,724	-1,213
Missouri	-816	-118	-124	-330	-244	25	24	25
Montana	7,240	3,051	3,536	2,479	-2,451	-4,466	-4,171	-4,023
Nebraska	464	1,209	327	64	-1,400	-839	-633	-887
New Mexico	9,745	-302	-1,194	-2,223	-488	1,475	3,751	93
New York	14,193	10,444	7,608	-4,921	-14,541	-9,405	-6,908	-8,007
Ohio	4,840	21,319	18,578	-7,023	-22,743	-25,825	-25,872	-25,869
Oklahoma	11,809	11,325	6,616	-14,498	-10,303	-13,480	-5,348	-13,098
Oregon	-955	3,090	-454	-725	-2,316	431	-1,178	-2,824
Pennsylvania	17,829	35,891	25,911	-30,599	-54,224	-28,602	-39,628	-46,334
Tennessee	-35	138	59	23	2	-58	-82	-75
Texas	58,872	15,521	-3,988	-35,251	-12,209	28,939	26,147	-22,403
Utah	7,760	7,577	6,999	-2,699	-5,992	-3,631	-4,035	-6,954
Virginia	-973	-186	457	-1,094	-176	214	74	-77
Washington	-801	1,699	1,393	53	-2,437	-2,448	1,854	-5,671
West Virginia	17,127	23,533	27,577	-7,429	-22,336	-28,124	-29,175	-33,562
Wyoming	1,119	2,374	3,472	-1,109	-675	-1,874	-612	-2,225
<b>Regions</b>								
East Region	50,888	90,655	80,420	-52,163	-114,671	-94,340	-104,413	-117,095
South Central Region	137,394	34,991	33,396	-105,300	-43,688	11,415	31,626	-66,671
Midwest Region	51,650	131,047	63,655	-125,358	-141,382	-133,497	-112,753	-116,013
Mountain Region	31,749	22,930	14,612	-6,328	-15,718	-15,332	-8,038	-20,150
Pacific Region	50,418	37,857	12,049	-1,037	-16,903	-1,727	9,052	-26,969
<b>Total Lower 48 States</b>	<b>322,100</b>	<b>317,479</b>	<b>204,132</b>	<b>-290,186</b>	<b>-332,362</b>	<b>-233,482</b>	<b>-184,526</b>	<b>-346,898</b>
<b>U.S. Total</b>	<b>321,204</b>	<b>319,157</b>	<b>204,508</b>	<b>-290,929</b>	<b>-333,898</b>	<b>-235,277</b>	<b>-186,388</b>	<b>-348,648</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018					Total	2017	
	May	April	March	February	January		December	November
Alabama	-3,590	-2,801	-2,192	885	7,522	3,570	2,448	-1,237
Alaska <sup>a</sup>	-856	25	1,020	1,988	2,559	-3,585	1,309	1,622
Arkansas	-917	-193	776	616	951	-629	1,220	397
California	-29,083	-18,639	10,696	25,368	41,978	5,688	37,901	6,223
Colorado	-6,557	127	4,370	9,346	9,686	-309	13,278	-4,315
Illinois	-20,284	7,769	31,354	43,006	64,676	8,410	57,696	-333
Indiana	-1,240	542	3,497	4,115	5,357	-69	4,827	-1,525
Iowa	-2,828	1,387	6,081	9,545	19,932	329	20,539	6,240
Kansas	-12,254	-1,471	9,818	19,645	23,304	6,142	22,474	-872
Kentucky	-10,612	3,827	312	8,578	23,235	15,130	15,659	3,170
Louisiana	-42,445	7,969	7,193	16,429	95,750	26,198	57,784	-10,494
Maryland	-1,661	654	1,983	2,961	4,492	-1,045	2,079	816
Michigan	-75,307	15,716	77,908	107,038	161,641	47,361	121,334	39,265
Minnesota	6	112	175	290	238	248	298	-9
Mississippi	-15,259	-3,445	-2,922	-12,144	37,691	21,817	29,161	-4,909
Missouri	-345	321	98	-133	-15	248	864	-210
Montana	-4,084	-591	4,348	6,469	7,142	2,360	7,373	3,931
Nebraska	-2,061	-472	1	1,856	3,298	1,266	2,753	-232
New Mexico	-818	-258	1,785	3,846	4,077	11,752	4,715	1,939
New York	-12,164	-952	14,822	15,424	22,793	-3,120	15,467	5,738
Ohio	-26,345	4,379	27,353	24,424	42,463	9,594	33,605	16,388
Oklahoma	-17,878	-6,196	5,470	31,221	37,977	23,004	27,244	3,272
Oregon	-2,644	29	-261	2,704	3,193	214	5,113	190
Pennsylvania	-50,138	858	60,784	53,807	90,102	9,738	61,182	20,680
Tennessee	-96	-44	-30	25	104	-45	68	5
Texas	-37,196	-28,408	-15,104	36,004	106,822	65,344	84,716	-11,751
Utah	-8,576	-1,893	3,257	9,335	14,371	2,594	12,258	-177
Virginia	-607	-627	1,485	-193	-243	912	1,051	-144
Washington	-4,561	-2,546	2,206	6,762	2,896	1,133	4,053	-191
West Virginia	-28,088	-6,014	28,590	33,907	58,248	-5,627	43,252	13,698
Wyoming	-4,377	-936	136	3,444	3,503	5,222	3,028	-1,194
<b>Regions</b>								
East Region	-119,003	-1,702	135,016	130,329	217,855	10,452	156,637	57,175
South Central Region	-129,540	-34,545	3,039	92,655	310,017	145,446	225,046	-25,593
Midwest Region	-110,705	29,630	119,395	172,464	275,168	71,612	221,285	46,603
Mountain Region	-26,473	-4,022	13,898	34,295	42,077	22,884	43,405	-48
Pacific Region	-36,288	-21,156	12,640	34,834	48,067	7,035	47,067	6,222
<b>Total Lower 48 States</b>	<b>-422,008</b>	<b>-31,796</b>	<b>283,988</b>	<b>464,577</b>	<b>893,183</b>	<b>257,429</b>	<b>693,440</b>	<b>84,358</b>
<b>U.S. Total</b>	<b>-422,865</b>	<b>-31,771</b>	<b>285,008</b>	<b>466,564</b>	<b>895,742</b>	<b>253,844</b>	<b>694,748</b>	<b>85,980</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017							
	October	September	August	July	June	May	April	March
Alabama	-3,630	-561	3,628	3,386	498	169	-1,292	1,420
Alaska <sup>a</sup>	-476	-1,624	-2,476	-2,424	-2,108	-1,525	-1,076	1,572
Arkansas	-251	-582	-574	-647	-581	-595	-272	772
California	-4,453	-12,170	1,123	-6,826	-13,935	-23,446	-16,167	-17,258
Colorado	-582	-6,013	-2,922	-5,245	-5,660	-4,519	-1,374	1,199
Illinois	-40,165	-41,306	-34,888	-25,184	-32,389	-17,012	4,438	35,264
Indiana	-2,472	-2,352	-2,191	-2,486	-2,782	-1,664	-501	2,040
Iowa	-20,082	-19,446	-11,805	-1,696	-1,917	-1,579	1,288	5,165
Kansas	-5,986	-5,422	656	-2,088	-4,611	-14,016	-10,252	5,246
Kentucky	-10,110	-8,402	-1,317	5,583	1,693	-8,818	-12,511	5,772
Louisiana	-13,491	-23,167	3,696	1,075	-5,251	-19,393	-22,014	22,982
Maryland	-533	-1,395	-2,626	-2,873	-2,241	-3,128	-280	3,170
Michigan	-34,646	-52,348	-54,494	-38,760	-57,334	-55,198	-39,909	63,573
Minnesota	-232	-242	-244	-220	-190	-63	36	342
Mississippi	-11,495	-17,129	4,913	14,979	-476	-3,259	-8,395	6,585
Missouri	-217	-432	*	0	*	0	*	100
Montana	-812	-4,091	-2,393	-3,558	-4,182	-4,160	-2,002	1,137
Nebraska	-702	-1,206	-564	-935	182	-1,017	-979	-287
New Mexico	235	241	2,883	1,623	68	-1,257	-1,704	-2,779
New York	-10,854	-13,746	-15,700	-8,367	-12,765	-7,272	-5,894	17,047
Ohio	-3,490	-22,590	-24,349	-26,059	-26,200	-18,721	-5,818	27,859
Oklahoma	-9,766	-4,340	1,626	1,039	-10,437	-13,581	-4,742	-5,893
Oregon	-705	-899	-702	-545	-1,472	-3,170	-336	-2,364
Pennsylvania	-31,295	-33,239	-47,206	-37,135	-46,732	-51,111	-33,170	70,898
Tennessee	-31	-42	11	8	-41	-32	-29	-5
Texas	-30,361	-16,898	19,068	18,244	-15,267	-37,200	-30,805	1,147
Utah	-1,600	-4,342	-1,449	-3,718	-5,162	-7,294	-2,628	-518
Virginia	-40	-761	-317	349	45	-513	-310	689
Washington	1,203	-3,610	-2,225	329	-2,739	-5,577	-2,596	1,556
West Virginia	-11,598	-17,030	-24,959	-26,009	-26,523	-33,844	-30,240	27,775
Wyoming	1,188	-1,390	172	-1,694	-2,290	-1,936	-632	234
<b>Regions</b>								
East Region	-57,810	-88,761	-115,156	-100,093	-114,416	-114,589	-75,713	147,438
South Central Region	-74,980	-68,100	33,012	35,989	-36,126	-87,874	-77,772	32,259
Midwest Region	-107,955	-124,569	-104,928	-62,755	-92,960	-84,366	-47,188	112,250
Mountain Region	-2,273	-16,801	-4,273	-13,527	-17,044	-20,183	-9,318	-1,014
Pacific Region	-3,956	-16,679	-1,804	-7,041	-18,145	-32,194	-19,099	-18,066
<b>Total Lower 48 States</b>	<b>-246,975</b>	<b>-314,911</b>	<b>-193,148</b>	<b>-147,426</b>	<b>-278,691</b>	<b>-339,205</b>	<b>-229,091</b>	<b>272,867</b>
<b>U.S. Total</b>	<b>-247,451</b>	<b>-316,535</b>	<b>-195,625</b>	<b>-149,850</b>	<b>-280,799</b>	<b>-340,730</b>	<b>-230,167</b>	<b>274,439</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017			2016				
	February	January	Total	December	November	October	September	August
Alabama	-1,005	-254	1,019	3,462	-2,161	-5,368	-597	2,250
Alaska <sup>a</sup>	1,409	2,213	-8,322	1,789	872	139	-1,321	-1,997
Arkansas	66	418	-1,666	739	-86	-152	-318	-564
California	4,300	50,395	39,603	43,736	1,937	-8,590	-3,383	4,248
Colorado	4,859	10,983	-4,606	11,693	-1,452	-7,324	-5,111	-3,745
Illinois	42,917	59,371	5,282	53,639	623	-37,807	-41,363	-33,535
Indiana	3,067	5,972	3,478	4,712	-1,533	-2,257	-2,199	-1,850
Iowa	8,052	15,571	6,414	22,217	5,150	-18,715	-18,041	-14,078
Kansas	2,192	18,823	8,377	21,467	876	-5,573	-8,157	-2,098
Kentucky	7,787	16,622	9,205	16,756	51	-4,545	-4,548	-128
Louisiana	11,892	22,579	39,572	42,587	-3,970	-51,370	-11,031	18,506
Maryland	2,048	3,915	2,916	2,604	893	133	-150	-1,397
Michigan	47,176	108,702	57,601	108,495	17,034	-27,683	-54,745	-36,754
Minnesota	450	321	38	44	14	-104	-197	-228
Mississippi	1,802	10,041	26,635	24,501	1,560	-24,918	-3,355	2,651
Missouri	-20	163	-156	365	-210	-405	-290	*
Montana	4,042	7,075	-7,364	8,305	2,401	-782	-2,191	-3,465
Nebraska	1,408	2,844	785	2,171	721	-1,221	-1,132	-90
New Mexico	1,321	4,466	669	4,345	-1,195	-1,530	75	167
New York	12,369	20,857	19,233	20,132	4,697	-7,006	-12,209	-3,017
Ohio	22,619	36,350	17,390	41,276	14,460	-10,323	-22,602	-23,658
Oklahoma	3,193	35,389	11,957	30,817	-5,705	-11,783	-2,082	1,055
Oregon	606	4,500	1,381	5,032	406	-1,086	-266	-16
Pennsylvania	54,306	82,560	68,344	70,114	10,492	-16,859	-43,300	-18,752
Tennessee	14	31	-66	71	-14	-34	2	2
Texas	6,329	78,122	38,656	65,863	-17,919	-50,646	112	21,348
Utah	5,334	11,889	-1,208	12,286	-466	-1,542	-3,455	-2,871
Virginia	685	180	189	212	-211	-163	-185	-504
Washington	4,022	6,908	-2,216	3,465	448	-109	-3,266	-2,091
West Virginia	29,958	49,893	22,407	44,092	10,686	-7,057	-15,425	-22,388
Wyoming	1,737	8,000	-7,349	8,555	-3,105	-3,717	-1,656	-769
<b>Regions</b>								
East Region	121,986	193,754	130,479	178,429	41,017	-41,275	-93,871	-69,715
South Central Region	24,469	165,118	124,549	189,436	-27,405	-149,809	-25,428	43,149
Midwest Region	109,443	206,754	81,797	206,299	21,114	-91,550	-121,381	-86,571
Mountain Region	18,701	45,258	-19,074	47,355	-3,096	-16,117	-13,469	-10,773
Pacific Region	8,927	61,803	38,769	52,233	2,790	-9,785	-6,916	2,142
<b>Total Lower 48 States</b>	<b>283,526</b>	<b>672,686</b>	<b>356,520</b>	<b>673,752</b>	<b>34,420</b>	<b>-308,536</b>	<b>-261,066</b>	<b>-121,769</b>
<b>U.S. Total</b>	<b>284,935</b>	<b>674,900</b>	<b>348,198</b>	<b>675,541</b>	<b>35,292</b>	<b>-308,397</b>	<b>-262,387</b>	<b>-123,765</b>

See footnotes at end of table.

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

(million cubic feet) – continued

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

<sup>a</sup> Alaska data are not included in the regions' totals or the lower 48 states total.<sup>\*</sup> 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, December 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	16,662	27,112	-2,688	-13.9	6,092	2,054
Alaska <sup>a</sup>	5	83,592	67,915	14,197	37,077	51,274	889	2.5	357	2,035
Arkansas	2	21,774	8,894	12,880	3,424	16,304	654	23.6	43	805
California	14	603,808	373,236	230,605	181,069	411,675	-52,230	-22.4	3,400	36,467
Colorado	10	140,407	72,554	60,338	38,781	99,119	-2,741	-6.6	3,296	12,316
Illinois	28	1,009,080	303,613	706,895	197,601	904,497	3,130	1.6	6,399	50,738
Indiana	21	113,683	34,452	81,261	22,926	104,187	642	2.9	32	3,126
Iowa	4	288,210	90,313	197,881	48,468	246,350	-2,859	-5.6	213	18,382
Kansas	16	282,986	122,982	163,839	76,723	240,563	-4,263	-5.3	4,300	18,519
Kentucky	22	221,695	107,596	112,821	62,833	175,654	-10,127	-13.9	3,351	9,786
Louisiana	19	739,063	449,172	283,988	251,292	535,281	-58,145	-18.8	47,684	58,402
Maryland	1	64,000	18,300	45,677	15,654	61,331	2,128	15.7	1,956	1,610
Michigan	44	1,071,608	683,820	386,921	438,887	825,808	-43,552	-9.0	7,577	66,546
Minnesota	1	7,000	2,000	4,848	2,113	6,961	274	14.9	0	22
Mississippi	12	334,092	204,013	122,196	107,820	230,016	-3,838	-3.4	32,556	19,038
Missouri	1	13,845	3,656	10,189	2,988	13,177	800	36.5	234	116
Montana	4	376,225	197,477	178,501	17,475	195,975	-7,230	-29.3	592	3,643
Nebraska	1	34,850	12,653	22,197	7,749	29,945	-506	-6.1	72	1,281
New Mexico	2	89,100	59,738	29,362	23,407	52,769	-9,745	-29.4	1,595	1,293
New York	26	245,779	127,487	114,176	77,585	191,761	-14,215	-15.5	2,185	12,630
Ohio	24	575,794	253,750	321,358	134,208	455,567	-4,531	-3.3	1,617	22,936
Oklahoma	12	372,191	195,582	176,466	120,436	296,902	-12,505	-9.4	6,943	18,268
Oregon	7	29,565	15,935	12,639	13,800	26,439	891	6.9	0	3,090
Pennsylvania	49	763,296	427,601	335,600	278,030	613,630	-18,247	-6.2	17,969	53,860
Tennessee	2	2,400	1,800	878	1,296	2,173	34	2.7	0	138
Texas	35	845,081	545,640	293,771	303,686	597,457	-55,212	-15.4	32,699	48,220
Utah	3	124,509	54,942	69,508	29,853	99,361	-7,711	-20.5	747	8,324
Virginia	2	9,500	5,400	4,100	4,850	8,950	973	25.1	1,363	1,177
Washington	1	46,900	24,600	22,300	19,304	41,604	1,080	5.9	1,678	3,377
West Virginia	31	530,837	268,626	262,872	148,821	411,694	-17,198	-10.4	5,516	29,049
Wyoming	9	155,995	74,605	70,000	27,993	97,993	-3,741	-11.8	46	2,420
<b>Regions</b>										
East Region	133	2,189,206	1,101,164	1,083,785	659,148	1,742,933	-51,089	-7.2	30,607	121,262
South Central Region	98	2,638,787	1,559,432	1,063,590	880,044	1,943,635	-135,998	-13.4	130,316	165,307
Midwest Region	123	2,727,520	1,227,249	1,501,693	777,113	2,278,807	-51,658	-6.2	17,807	148,853
Mountain Region	29	921,086	471,969	429,906	145,256	575,162	-31,675	-17.9	6,348	29,278
Pacific Region	22	680,273	413,771	265,544	214,173	479,717	-50,259	-19.0	5,078	42,935
<b>Total Lower 48 States</b>	<b>405</b>	<b>9,156,872</b>	<b>4,773,586</b>	<b>4,344,519</b>	<b>2,675,735</b>	<b>7,020,254</b>	<b>-320,679</b>	<b>-10.7</b>	<b>190,155</b>	<b>507,634</b>
<b>U.S. Total</b>	<b>410</b>	<b>9,240,464</b>	<b>4,841,501</b>	<b>4,358,716</b>	<b>2,712,812</b>	<b>7,071,528</b>	<b>-319,790</b>	<b>-10.5</b>	<b>190,512</b>	<b>509,669</b>

<sup>a</sup> Alaska data are not included in the regions' totals or the lower 48 states total.

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

**Source:** 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							
	Total	December	November	October	September	August	July	June
Alabama	35,026	6,221	4,165	1,024	664	708	682	732
Alaska	18,587	2,609	2,094	1,318	754	590	500	672
Arizona	35,043	5,771	3,161	1,669	1,130	1,047	1,120	1,326
Arkansas	32,778	5,218	3,820	1,197	593	554	501	626
California	NA	63,860	38,605	22,816	19,331	NA	19,967	22,008
Colorado	133,431	23,722	16,580	9,357	3,259	2,772	2,593	2,720
Connecticut	53,100	7,970	6,068	2,515	1,052	951	1,066	1,325
Delaware	NA	1,740	1,202	373	167	166	166	185
District of Columbia	12,438	1,983	1,529	501	250	271	266	253
Florida	16,954	1,978	1,183	848	834	752	811	984
Georgia	132,751	21,345	17,131	6,303	3,884	4,087	3,917	3,984
Hawaii	590	49	47	44	45	47	46	50
Idaho	27,111	5,079	3,739	1,726	734	567	548	656
Illinois	435,421	63,233	57,572	23,343	8,018	7,334	7,470	8,923
Indiana	143,773	21,660	19,405	7,255	2,470	2,103	2,203	2,006
Iowa	69,576	10,411	8,799	3,675	1,270	1,056	934	1,157
Kansas	68,247	10,790	9,359	3,286	1,512	1,150	1,052	1,344
Kentucky	51,210	7,764	6,900	2,545	852	748	696	755
Louisiana	39,149	6,155	4,531	1,776	1,320	1,121	1,210	1,245
Maine	3,020	483	378	168	60	54	49	74
Maryland	NA	12,788	10,157	3,467	1,553	1,474	1,568	1,870
Massachusetts	130,084	18,840	13,850	5,119	2,640	2,360	2,482	2,830
Michigan	336,215	49,585	43,481	22,202	6,189	6,046	5,269	5,752
Minnesota	NA	20,633	17,589	9,150	2,857	2,485	2,218	2,930
Mississippi	24,453	4,123	3,071	934	493	560	513	498
Missouri	114,010	18,239	16,228	5,272	1,744	1,662	1,666	1,787
Montana	NA	3,355	2,665	1,680	465	382	357	550
Nebraska	41,693	6,321	4,840	2,099	676	580	754	780
Nevada	41,094	6,806	3,980	1,995	1,383	1,134	1,234	1,583
New Hampshire	7,745	1,258	1,000	257	170	149	136	172
New Jersey	238,504	35,463	25,260	11,001	4,694	4,311	4,764	5,911
New Mexico	NA	6,487	NA	1,811	835	876	814	809
New York	475,539	67,676	54,825	22,820	10,494	9,705	10,830	12,261
North Carolina	74,354	13,131	10,643	2,447	992	959	937	1,152
North Dakota	NA	1,976	1,746	1,027	211	186	170	255
Ohio	301,534	51,653	39,632	16,770	4,990	4,620	4,674	4,586
Oklahoma	66,143	11,620	8,731	1,827	1,173	1,101	1,046	1,145
Oregon	42,767	7,270	5,406	2,648	1,238	900	948	1,303
Pennsylvania	253,132	38,049	30,868	12,525	4,405	4,135	4,179	4,554
Rhode Island	19,804	2,982	2,370	1,233	364	379	372	413
South Carolina	31,634	6,016	4,076	925	488	497	476	503
South Dakota	NA	2,106	1,503	923	210	192	205	247
Tennessee	76,339	13,040	10,219	2,403	1,156	943	1,086	1,130
Texas	NA	35,193	22,391	7,811	4,974	4,833	4,693	5,206
Utah	68,310	12,307	9,025	4,602	1,668	1,574	1,616	2,057
Vermont	3,933	570	420	175	84	72	80	109
Virginia	NA	13,302	8,730	3,401	1,636	1,519	1,674	1,562
Washington	83,000	13,065	9,984	6,078	2,605	1,567	2,002	2,424
West Virginia	NA	4,043	3,158	1,321	350	299	332	388
Wisconsin	142,766	20,150	18,426	8,674	2,914	2,309	2,297	2,626
Wyoming	NA	2,653	1,609	898	NA	235	242	308
<b>Total</b>	<b>4,980,345</b>	<b>768,744</b>	<b>596,812</b>	<b>255,233</b>	<b>112,125</b>	<b>99,321</b>	<b>105,432</b>	<b>118,728</b>

See footnotes at end of table.

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

State	2018					Total	2017	
	May	April	March	February	January		December	November
Alabama	1,127	2,525	3,762	3,781	9,635	26,430	6,211	2,650
Alaska	1,031	1,481	2,217	2,618	2,705	20,247	2,525	2,613
Arizona	1,729	2,402	4,675	5,213	5,801	32,821	4,272	2,133
Arkansas	931	2,509	4,139	4,958	7,731	25,704	5,713	2,542
California	27,006	32,336	53,606	55,061	58,044	431,005	62,531	33,949
Colorado	5,733	10,162	14,279	20,245	22,009	118,582	21,054	12,514
Connecticut	1,965	5,285	7,422	6,900	10,580	48,431	8,288	4,790
Delaware	345	1,091	1,944	1,533	NA	9,896	2,007	953
District of Columbia	358	943	1,830	1,720	2,532	11,904	2,383	934
Florida	1,146	1,564	1,732	2,038	3,084	14,934	1,816	1,226
Georgia	4,710	8,852	15,677	12,223	30,637	111,248	22,315	12,094
Hawaii	49	52	52	51	58	572	50	47
Idaho	801	1,876	3,174	4,018	4,191	28,799	5,273	3,069
Illinois	12,347	43,614	54,873	64,644	84,051	377,511	69,482	44,367
Indiana	3,676	13,606	19,900	19,981	29,508	123,847	26,461	14,435
Iowa	1,788	6,942	8,491	11,176	13,877	60,362	11,284	6,654
Kansas	1,673	5,924	7,190	11,246	13,720	54,445	10,772	6,674
Kentucky	1,214	4,207	6,877	6,626	12,026	43,253	9,945	5,305
Louisiana	1,579	2,436	3,112	4,179	10,485	29,060	6,251	2,659
Maine	114	271	386	403	581	2,748	520	264
Maryland	NA	7,407	13,780	11,424	17,860	75,789	15,141	8,718
Massachusetts	4,480	12,311	18,621	21,038	25,513	121,181	22,904	12,151
Michigan	9,052	34,058	46,850	45,396	62,334	299,158	58,028	37,037
Minnesota	NA	13,499	17,200	23,096	26,700	123,898	22,061	15,032
Mississippi	680	1,573	2,284	2,613	7,110	18,446	4,142	1,988
Missouri	2,294	10,125	13,547	16,785	24,661	86,865	19,244	10,363
Montana	854	1,861	NA	3,510	3,568	21,481	3,627	2,535
Nebraska	1,576	3,889	4,986	7,053	8,138	34,069	5,967	3,973
Nevada	1,967	2,839	5,622	6,015	6,537	40,911	6,316	2,973
New Hampshire	227	731	1,089	998	1,557	7,331	1,428	787
New Jersey	7,617	22,887	36,896	30,408	49,292	221,608	43,095	21,617
New Mexico	1,130	2,088	4,537	4,758	6,414	29,993	5,444	2,871
New York	18,783	47,627	67,187	63,551	89,778	432,451	75,715	42,655
North Carolina	1,326	4,561	11,140	7,984	19,084	59,933	14,460	8,039
North Dakota	650	1,340	NA	2,132	2,285	11,015	1,938	1,388
Ohio	5,877	29,426	42,110	38,429	58,768	258,699	53,080	30,997
Oklahoma	1,663	5,430	6,380	11,560	14,467	51,069	11,996	4,925
Oregon	1,523	3,495	5,426	6,356	6,253	47,841	8,213	5,325
Pennsylvania	6,551	23,138	38,942	33,318	52,469	218,719	42,298	22,852
Rhode Island	459	1,888	2,925	2,433	3,986	18,421	3,485	2,051
South Carolina	727	1,928	3,931	3,278	8,789	24,558	5,845	2,976
South Dakota	617	1,415	NA	2,254	2,552	12,146	2,176	1,283
Tennessee	2,499	6,231	8,263	9,910	19,458	56,661	14,083	6,831
Texas	7,939	12,998	23,771	33,600	NA	164,140	25,645	13,224
Utah	2,342	4,522	9,459	8,505	10,634	66,700	13,023	6,973
Vermont	179	423	516	561	744	3,509	587	301
Virginia	2,274	6,645	13,630	11,173	NA	76,904	16,077	8,094
Washington	2,812	7,275	11,037	11,997	12,154	91,028	14,960	10,582
West Virginia	NA	2,457	4,273	3,671	5,563	22,385	4,473	2,611
Wisconsin	3,977	14,904	18,237	22,356	25,896	131,018	25,210	15,334
Wyoming	589	1,213	1,647	1,968	1,913	12,553	1,801	1,281
<b>Total</b>	<b>168,079</b>	<b>438,262</b>	<b>655,699</b>	<b>686,746</b>	<b>975,162</b>	<b>4,412,282</b>	<b>821,617</b>	<b>467,638</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017							
	October	September	August	July	June	May	April	March
Alabama	1,193	741	656	679	716	928	1,366	3,187
Alaska	1,579	892	601	551	656	983	1,472	2,666
Arizona	1,502	1,145	1,011	1,101	1,324	1,781	2,358	3,702
Arkansas	931	586	553	570	621	952	1,168	2,951
California	23,669	17,774	18,026	19,092	20,885	27,252	29,707	40,608
Colorado	8,690	3,557	2,841	2,657	2,955	6,264	8,839	11,822
Connecticut	1,430	1,091	1,025	1,075	1,380	2,231	3,529	7,844
Delaware	249	172	158	151	207	350	612	1,689
District of Columbia	410	299	287	293	340	518	616	1,796
Florida	924	823	751	778	880	1,060	1,392	1,600
Georgia	6,722	4,105	4,049	3,940	4,108	4,938	5,707	12,818
Hawaii	43	44	42	43	49	44	49	52
Idaho	2,147	836	530	518	599	1,114	2,016	2,669
Illinois	17,811	8,054	8,084	8,664	9,174	16,968	23,288	52,091
Indiana	5,553	2,498	2,016	2,096	2,415	5,288	7,075	17,157
Iowa	2,952	1,127	1,105	1,028	1,276	2,437	4,047	8,061
Kansas	2,239	1,166	1,063	1,009	1,228	1,776	3,063	6,451
Kentucky	2,019	975	784	719	777	1,188	2,032	5,648
Louisiana	1,536	1,221	1,207	1,231	1,287	1,429	1,705	2,699
Maine	85	58	54	52	76	135	235	426
Maryland	2,426	1,732	1,326	1,651	1,789	2,993	3,402	11,443
Massachusetts	4,115	2,694	2,497	2,608	3,299	5,950	8,696	20,221
Michigan	14,512	7,041	5,408	5,123	6,056	13,698	18,830	42,976
Minnesota	6,526	2,556	2,510	2,276	2,997	5,044	8,308	16,657
Mississippi	882	622	553	518	526	728	807	2,153
Missouri	2,311	1,794	1,678	1,597	1,904	3,319	4,432	10,298
Montana	1,587	637	349	343	474	902	1,608	2,231
Nebraska	1,404	619	434	673	857	1,512	2,231	4,156
Nevada	2,035	1,476	1,153	1,310	1,600	2,022	2,794	4,396
New Hampshire	257	155	158	137	176	338	478	1,184
New Jersey	8,807	4,338	4,288	4,857	6,185	9,355	14,797	34,080
New Mexico	1,517	866	818	839	951	1,409	2,085	2,973
New York	15,453	10,954	10,216	10,730	13,856	20,615	30,903	68,055
North Carolina	2,110	1,096	993	1,135	1,039	1,514	2,309	8,165
North Dakota	669	235	177	155	190	347	737	1,475
Ohio	12,214	5,675	5,045	4,714	5,339	9,994	13,998	37,454
Oklahoma	1,511	1,260	1,298	1,172	1,300	1,878	2,737	4,756
Oregon	3,149	1,191	778	866	1,330	2,147	3,766	5,136
Pennsylvania	7,875	4,601	3,878	4,196	5,099	9,495	13,739	33,755
Rhode Island	628	386	407	414	462	798	1,192	3,126
South Carolina	835	541	482	559	526	657	1,177	3,265
South Dakota	684	244	221	195	265	482	905	1,538
Tennessee	1,899	1,253	983	1,008	1,168	1,721	2,363	6,888
Texas	7,772	5,888	5,438	6,003	5,823	7,749	9,413	16,020
Utah	4,527	1,821	1,471	1,680	2,227	2,890	4,976	5,704
Vermont	111	87	78	82	131	187	311	570
Virginia	2,857	1,690	1,587	1,657	1,797	2,501	3,795	11,067
Washington	6,464	2,441	1,749	1,802	2,226	4,046	7,034	10,426
West Virginia	1,014	485	304	356	325	758	1,371	3,489
Wisconsin	6,281	2,739	2,503	2,306	2,795	5,967	8,439	18,653
Wyoming	951	266	212	211	372	796	1,001	1,520
<b>Total</b>	<b>205,068</b>	<b>114,548</b>	<b>103,832</b>	<b>107,423</b>	<b>124,038</b>	<b>199,451</b>	<b>278,910</b>	<b>579,768</b>

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
	February	January	Total	December	November	October	September	August
Alabama	3,240	4,864	28,407	4,880	1,790	875	620	646
Alaska	2,521	3,189	17,787	2,969	2,313	1,713	831	534
Arizona	5,836	6,656	35,120	4,980	2,313	1,433	1,144	1,031
Arkansas	3,376	5,740	27,130	5,947	1,830	734	609	545
California	53,982	83,530	411,828	66,473	37,485	22,234	19,918	18,613
Colorado	14,666	22,721	121,963	22,110	11,559	6,060	3,217	2,736
Connecticut	7,199	8,549	46,045	7,814	4,432	1,971	962	897
Delaware	1,397	1,951	9,660	1,711	794	281	165	155
District of Columbia	1,679	2,348	11,379	2,132	941	337	202	211
Florida	1,725	1,958	15,352	1,587	1,082	820	727	683
Georgia	12,389	18,065	115,922	19,426	10,125	4,812	3,795	3,830
Hawaii	52	58	571	52	47	45	49	45
Idaho	3,829	6,199	24,889	5,896	2,661	1,457	690	498
Illinois	47,489	72,039	386,590	77,071	32,863	14,683	7,804	7,463
Indiana	15,348	23,505	125,038	26,006	11,343	4,292	2,346	2,201
Iowa	8,381	12,010	61,247	12,695	4,607	2,016	1,330	1,052
Kansas	6,663	12,341	54,060	12,004	4,753	1,543	1,139	990
Kentucky	5,597	8,265	45,502	9,305	3,863	1,288	772	774
Louisiana	2,906	4,928	31,383	4,824	1,988	1,388	1,222	1,247
Maine	395	447	2,566	449	229	133	56	44
Maryland	11,029	14,139	76,047	13,905	6,792	2,645	1,425	1,345
Massachusetts	16,531	19,515	112,082	19,200	10,623	5,427	2,440	2,281
Michigan	38,428	52,022	294,152	53,783	27,488	14,925	6,654	4,898
Minnesota	16,507	23,423	117,598	21,656	9,848	5,555	2,599	2,497
Mississippi	2,110	3,417	20,185	3,778	1,350	625	572	553
Missouri	10,986	18,940	87,264	19,405	6,723	2,507	1,526	1,611
Montana	2,978	4,211	19,100	3,972	2,115	1,383	631	405
Nebraska	4,681	7,563	33,050	6,924	2,374	1,031	706	665
Nevada	6,256	8,578	39,075	6,777	2,891	1,810	1,387	1,208
New Hampshire	999	1,235	6,861	1,249	701	231	153	129
New Jersey	30,427	39,764	215,510	36,467	18,709	8,782	4,706	4,313
New Mexico	4,196	6,024	32,577	5,893	3,068	1,214	933	775
New York	60,346	72,953	412,467	66,144	37,991	18,301	9,380	9,267
North Carolina	7,129	11,944	64,547	12,920	6,306	1,719	1,088	1,045
North Dakota	1,577	2,126	10,059	2,140	867	629	218	175
Ohio	33,242	46,946	255,826	45,991	23,458	10,397	4,721	4,818
Oklahoma	6,446	11,789	50,573	11,803	3,798	1,660	1,305	1,175
Oregon	6,406	9,534	39,391	8,788	3,994	2,776	1,114	622
Pennsylvania	30,971	39,961	215,512	38,711	20,030	8,820	4,167	3,943
Rhode Island	2,513	2,961	17,200	3,064	1,753	906	360	236
South Carolina	2,916	4,779	27,562	5,384	2,620	730	502	484
South Dakota	1,668	2,485	11,663	2,513	901	520	239	209
Tennessee	7,217	11,248	58,924	12,402	4,391	1,410	1,020	926
Texas	22,128	39,036	175,332	29,065	9,112	6,508	5,353	5,380
Utah	7,427	13,980	63,929	13,140	6,363	2,979	1,781	1,366
Vermont	507	556	3,518	555	326	149	87	77
Virginia	10,403	15,380	77,170	13,307	6,527	2,883	1,450	1,376
Washington	12,453	16,844	76,321	16,027	7,845	5,551	2,551	1,776
West Virginia	3,117	4,081	23,210	4,083	2,265	884	360	323
Wisconsin	17,252	23,539	125,449	24,366	10,367	5,590	2,403	2,124
Wyoming	1,797	2,344	11,999	2,424	1,135	727	353	259
<b>Total</b>	<b>579,313</b>	<b>830,679</b>	<b>4,346,588</b>	<b>794,164</b>	<b>379,746</b>	<b>187,385</b>	<b>109,782</b>	<b>100,455</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	675	833	978	1,645	2,755	5,516	7,195
Alaska	479	534	864	1,242	1,885	2,067	2,358
Arizona	1,081	1,327	1,766	2,422	3,089	5,816	8,719
Arkansas	584	687	937	1,510	2,762	4,944	6,040
California	19,533	21,252	24,772	28,203	39,795	43,748	69,803
Colorado	2,560	2,932	6,529	10,419	14,373	17,247	22,222
Connecticut	1,034	1,312	2,294	4,070	5,351	7,649	8,259
Delaware	164	224	458	794	1,094	1,812	2,009
District of Columbia	240	280	489	772	1,080	2,230	2,464
Florida	701	798	968	1,221	1,694	2,333	2,738
Georgia	3,641	3,772	4,642	6,476	9,579	19,769	26,056
Hawaii	45	45	44	51	49	47	52
Idaho	524	587	893	1,308	2,566	3,284	4,525
Illinois	7,828	9,531	15,848	30,372	41,365	62,741	79,022
Indiana	2,033	2,229	4,741	9,343	11,654	21,376	27,474
Iowa	1,178	1,181	2,249	4,664	6,787	10,221	13,266
Kansas	1,080	1,377	2,084	2,599	5,100	8,619	12,771
Kentucky	723	813	1,491	2,633	4,655	8,533	10,651
Louisiana	1,182	1,239	1,481	1,902	2,610	4,881	7,419
Maine	50	60	136	255	330	388	436
Maryland	1,483	1,783	3,341	5,420	7,549	13,589	16,770
Massachusetts	2,440	2,802	5,617	10,051	13,735	18,068	19,399
Michigan	5,405	5,586	12,191	27,259	33,133	47,638	55,192
Minnesota	2,306	2,944	4,253	9,873	12,540	19,714	23,813
Mississippi	595	740	817	943	1,733	3,312	5,167
Missouri	1,637	1,919	2,869	4,942	8,665	14,459	21,002
Montana	400	515	934	1,288	2,008	2,291	3,158
Nebraska	713	905	1,371	2,324	3,500	5,465	7,072
Nevada	1,269	1,518	1,993	2,500	3,524	5,658	8,540
New Hampshire	130	168	294	606	806	1,101	1,293
New Jersey	5,739	6,416	10,809	17,908	23,954	34,983	42,724
New Mexico	839	1,085	1,546	2,178	3,341	4,966	6,740
New York	10,775	12,799	22,097	36,910	47,537	66,686	74,579
North Carolina	1,047	1,222	1,657	3,302	5,133	12,917	16,193
North Dakota	162	181	375	770	1,076	1,509	1,956
Ohio	4,237	4,867	10,510	21,448	26,914	44,165	54,299
Oklahoma	1,115	1,370	1,759	2,370	4,616	7,605	11,999
Oregon	920	1,127	1,550	2,244	4,524	4,904	6,827
Pennsylvania	4,156	5,191	9,401	16,928	22,482	37,256	44,428
Rhode Island	268	325	746	1,498	1,935	2,791	3,320
South Carolina	447	499	719	1,342	2,282	5,686	6,866
South Dakota	196	230	523	973	1,303	1,766	2,289
Tennessee	1,004	1,157	1,627	3,107	5,466	11,341	15,073
Texas	5,756	7,078	7,373	11,584	16,632	30,067	41,423
Utah	1,714	1,463	2,994	4,452	6,228	9,030	12,419
Vermont	93	113	204	362	395	562	598
Virginia	1,429	2,052	2,968	5,420	8,174	14,427	17,158
Washington	1,855	2,300	3,170	4,151	8,903	9,272	12,921
West Virginia	363	371	726	1,784	2,617	4,160	5,275
Wisconsin	2,361	2,605	5,056	11,242	14,393	19,942	25,000
Wyoming	231	294	772	979	1,333	1,530	1,963
<b>Total</b>	<b>106,420</b>	<b>122,640</b>	<b>193,922</b>	<b>328,059</b>	<b>455,001</b>	<b>690,077</b>	<b>878,936</b>

<sup>R</sup> Revised data.<sup>NA</sup> 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							
	Total	December	November	October	September	August	July	June
Alabama	27,209	3,743	3,610	1,748	1,096	1,189	1,134	1,126
Alaska	NA	NA	1,503	988	633	556	436	590
Arizona	NA	4,424	3,363	2,385	2,006	2,073	2,128	NA
Arkansas	54,112	6,406	5,530	3,999	2,957	2,994	2,754	2,740
California	248,307	28,661	23,120	20,397	16,883	16,418	15,526	16,161
Colorado	NA	9,557	6,723	4,261	1,699	1,662	1,543	NA
Connecticut	58,655	7,377	6,390	4,237	2,698	2,792	2,594	2,452
Delaware	NA	2,004	NA	1,239	786	776	697	693
District of Columbia	NA	1,964	1,733	1,239	654	857	727	824
Florida	63,260	6,166	5,180	4,639	4,630	4,487	4,537	4,840
Georgia	56,285	8,446	6,882	3,113	2,105	2,162	2,153	2,142
Hawaii	2,602	217	212	220	205	226	223	212
Idaho	18,860	2,880	2,183	1,479	925	765	705	753
Illinois	242,293	30,946	26,594	15,989	8,860	8,663	8,614	8,506
Indiana	86,031	11,711	10,292	5,996	2,823	2,313	2,295	2,217
Iowa	55,779	7,374	6,661	3,883	1,764	1,720	1,620	1,846
Kansas	40,083	5,694	4,292	2,804	1,851	1,829	1,626	1,623
Kentucky	37,923	5,103	4,708	2,419	1,214	1,083	1,020	1,012
Louisiana	32,448	3,639	3,857	2,610	2,195	2,029	1,890	1,885
Maine	NA	1,379	1,177	678	327	NA	NA	328
Maryland	NA	9,219	8,075	6,085	3,534	3,654	3,416	3,937
Massachusetts	116,485	15,213	14,072	6,729	4,353	4,020	3,633	3,964
Michigan	185,911	25,933	20,117	11,323	5,047	5,936	5,325	5,435
Minnesota	112,494	15,185	12,151	7,490	3,309	2,869	2,892	3,219
Mississippi	19,782	2,591	2,327	1,361	872	942	859	864
Missouri	68,931	9,406	7,848	3,962	2,284	2,136	2,083	2,137
Montana	25,695	3,459	2,760	1,818	1,144	907	731	824
Nebraska	33,857	4,583	3,744	2,200	1,204	1,040	1,221	1,229
Nevada	32,467	4,126	3,161	2,268	1,856	1,717	1,723	1,899
New Hampshire	9,702	1,495	1,260	432	278	238	213	256
New Jersey	NA	NA	15,957	8,425	5,437	5,952	6,036	6,060
New Mexico	NA	NA	3,568	2,233	1,069	1,163	847	1,057
New York	325,099	39,678	36,464	23,058	15,264	14,844	14,812	14,359
North Carolina	59,412	7,706	6,840	4,052	2,379	2,190	2,149	2,069
North Dakota	NA	2,224	2,006	1,217	369	343	311	394
Ohio	177,893	27,458	21,310	11,423	5,183	5,065	4,709	5,007
Oklahoma	46,914	7,063	5,386	2,487	1,612	1,581	1,465	1,582
Oregon	NA	4,427	3,255	1,970	1,187	1,000	976	1,264
Pennsylvania	166,747	22,183	18,836	11,110	5,447	5,213	4,920	5,133
Rhode Island	12,252	1,832	1,416	783	298	276	281	280
South Carolina	25,308	2,910	2,925	1,918	1,219	1,290	1,259	1,330
South Dakota	NA	1,812	1,410	860	334	295	299	345
Tennessee	NA	8,085	7,695	4,052	2,348	2,111	2,243	2,309
Texas	186,550	21,919	19,242	12,074	10,369	10,022	8,963	9,446
Utah	NA	7,086	5,224	3,052	1,356	1,222	1,284	1,483
Vermont	7,283	984	890	620	388	360	349	349
Virginia	NA	8,679	7,070	5,385	3,286	3,250	3,407	2,969
Washington	56,728	7,634	6,009	4,230	2,567	2,294	2,162	2,708
West Virginia	24,832	3,096	2,737	1,619	995	1,052	989	1,035
Wisconsin	98,482	13,186	11,636	6,388	3,161	2,842	2,852	2,879
Wyoming	14,187	2,325	1,487	897	436	395	413	461
<b>Total</b>	<b>3,485,148</b>	<b>463,847</b>	<b>382,584</b>	<b>235,839</b>	<b>144,897</b>	<b>141,089</b>	<b>135,321</b>	<b>140,121</b>

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		
	May	April	March	February	January	Total	December	November
Alabama	1,168	1,946	2,874	2,238	5,337	22,790	3,908	2,589
Alaska	816	1,192	1,731	1,959	2,012	15,544	1,977	1,831
Arizona	NA	NA	NA	NA	NA	31,212	3,684	2,552
Arkansas	3,002	4,298	5,509	6,018	7,906	47,501	6,407	4,356
California	17,545	18,752	25,318	24,191	25,335	237,360	28,185	21,739
Colorado	NA	NA	NA	NA	NA	52,739	8,626	5,385
Connecticut	2,635	5,299	6,834	6,535	8,812	52,513	7,412	5,236
Delaware	700	1,224	NA	1,721	NA	13,364	2,226	1,464
District of Columbia	642	1,195	1,894	1,759	NA	16,040	2,671	1,383
Florida	5,031	5,394	5,942	5,452	6,961	61,313	6,030	5,267
Georgia	2,438	3,966	6,379	5,094	11,403	49,193	8,539	5,224
Hawaii	209	216	214	203	243	2,446	203	204
Idaho	799	1,304	2,058	2,417	2,592	19,777	2,925	1,924
Illinois	10,265	23,102	28,329	32,997	39,428	215,936	35,932	22,257
Indiana	3,089	7,537	10,808	11,022	15,928	75,312	13,712	8,404
Iowa	2,244	5,094	6,280	7,778	9,516	49,710	7,870	5,820
Kansas	1,659	3,484	3,698	5,265	6,258	34,483	5,286	3,308
Kentucky	1,347	3,000	4,647	4,620	7,751	32,796	6,258	3,761
Louisiana	2,006	2,472	2,762	2,460	4,643	28,316	3,929	2,647
Maine	418	843	1,170	1,183	1,603	8,925	1,518	939
Maryland	NA	6,514	9,836	8,352	11,420	72,279	11,519	7,306
Massachusetts	4,262	10,187	14,962	16,673	18,417	109,470	17,939	11,692
Michigan	8,645	18,479	24,178	24,556	30,937	162,634	26,445	16,897
Minnesota	4,689	11,401	13,400	17,365	18,524	99,756	16,759	11,138
Mississippi	925	1,396	1,805	1,861	3,978	17,643	2,697	1,758
Missouri	2,605	6,133	8,054	9,882	12,402	57,903	10,275	5,864
Montana	1,215	2,301	3,266	3,671	3,600	23,374	3,524	2,643
Nebraska	1,725	2,900	3,699	4,942	5,369	29,018	4,384	3,033
Nevada	2,198	2,569	3,595	3,593	3,762	32,200	4,043	2,658
New Hampshire	291	858	1,312	1,216	1,853	9,078	1,685	1,034
New Jersey	6,819	16,093	21,624	19,869	26,697	148,948	24,082	13,261
New Mexico	1,215	1,486	2,934	2,778	4,053	23,624	3,967	2,294
New York	14,732	28,745	38,731	36,591	47,822	310,211	45,947	31,356
North Carolina	2,391	4,746	8,010	5,992	10,887	53,726	8,507	5,821
North Dakota	NA	1,505	NA	2,273	2,223	12,957	2,013	1,594
Ohio	4,823	16,057	23,485	21,655	31,718	156,979	28,898	17,574
Oklahoma	1,832	3,724	4,474	7,183	8,523	37,834	6,832	3,547
Oregon	1,370	2,389	3,507	NA	3,982	31,763	4,918	3,172
Pennsylvania	5,367	14,353	24,385	20,019	29,783	145,910	22,264	17,272
Rhode Island	303	1,142	1,818	1,522	2,301	11,338	2,161	1,154
South Carolina	1,472	1,734	3,033	2,262	3,955	22,923	3,089	2,362
South Dakota	NA	1,232	NA	1,865	2,017	10,813	1,755	1,180
Tennessee	2,853	4,762	NA	6,467	11,305	49,042	8,865	5,610
Texas	11,724	13,691	19,350	21,089	28,663	164,797	19,301	13,913
Utah	NA	2,899	5,701	5,142	6,169	41,264	7,489	4,406
Vermont	259	617	775	703	988	6,205	932	752
Virginia	3,226	5,362	10,119	7,796	NA	68,162	10,474	6,914
Washington	2,847	4,556	7,057	7,207	7,457	60,096	8,465	6,198
West Virginia	1,121	2,204	3,234	2,828	3,923	22,421	3,529	2,283
Wisconsin	3,930	9,736	11,510	13,839	16,523	90,470	14,817	10,017
Wyoming	761	1,326	1,751	1,990	1,945	13,972	1,818	1,320
<b>Total</b>	<b>161,865</b>	<b>298,544</b>	<b>413,494</b>	<b>420,014</b>	<b>547,533</b>	<b>3,164,078</b>	<b>486,690</b>	<b>322,309</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017							
	October	September	August	July	June	May	April	March
Alabama	1,985	1,232	1,107	1,047	1,074	1,273	1,204	2,288
Alaska	1,189	709	550	500	530	855	1,153	2,052
Arizona	2,167	1,916	1,874	1,864	1,968	2,287	2,538	2,946
Arkansas	3,686	2,919	2,899	2,706	2,749	3,088	3,108	4,498
California	19,392	16,064	16,197	15,166	14,780	16,236	17,263	19,968
Colorado	3,780	1,881	1,714	1,639	1,741	3,068	4,041	5,210
Connecticut	2,796	2,489	2,419	2,437	2,313	2,732	3,818	7,026
Delaware	836	652	573	499	561	721	751	1,693
District of Columbia	1,001	815	825	835	847	1,009	1,088	1,826
Florida	4,855	4,393	4,398	4,394	4,646	4,880	5,290	5,716
Georgia	3,324	2,231	2,211	2,164	2,215	2,593	2,817	5,420
Hawaii	200	198	202	194	214	192	201	211
Idaho	1,494	943	732	704	719	959	1,350	1,765
Illinois	13,695	8,818	8,054	7,691	7,562	12,632	13,522	25,919
Indiana	4,996	2,765	2,390	2,231	2,437	3,621	4,419	9,268
Iowa	3,597	1,803	1,580	1,598	1,753	2,283	3,277	5,799
Kansas	2,314	1,683	1,743	1,578	1,565	1,770	2,536	3,442
Kentucky	2,045	1,378	1,136	1,042	1,100	1,337	1,660	3,883
Louisiana	2,199	1,795	1,907	1,790	1,925	2,024	2,057	2,588
Maine	382	299	290	289	306	462	695	1,291
Maryland	3,850	3,237	3,264	3,541	3,025	4,215	4,284	9,628
Massachusetts	5,467	4,243	4,076	3,832	3,968	5,859	7,397	16,154
Michigan	8,273	5,952	5,409	5,045	5,966	8,793	11,198	21,859
Minnesota	5,491	3,066	2,867	2,860	3,117	4,853	7,465	12,305
Mississippi	1,460	1,011	979	893	903	1,101	987	1,776
Missouri	2,812	2,361	2,290	2,089	2,248	2,850	3,317	6,534
Montana	1,683	1,010	685	670	753	1,095	1,711	2,475
Nebraska	1,689	1,006	807	1,037	1,192	1,500	2,067	3,233
Nevada	2,300	1,902	1,704	1,758	1,908	2,189	2,596	3,089
New Hampshire	388	244	256	192	239	425	564	1,439
New Jersey	8,960	6,624	4,874	5,572	6,462	8,134	9,270	20,983
New Mexico	1,845	1,131	1,120	1,048	997	1,259	1,696	1,932
New York	16,690	14,701	14,852	14,113	14,499	17,995	21,285	40,877
North Carolina	3,906	2,763	2,709	2,628	2,394	3,008	2,997	6,205
North Dakota	875	461	352	307	320	489	892	1,644
Ohio	9,170	5,506	5,112	4,685	5,040	7,188	8,459	20,894
Oklahoma	2,110	1,581	1,566	1,449	1,551	1,872	2,355	3,479
Oregon	2,158	1,147	851	890	1,195	1,674	2,466	3,318
Pennsylvania	7,825	4,993	4,725	4,818	5,072	7,328	9,184	20,573
Rhode Island	447	252	256	262	297	536	749	1,883
South Carolina	1,783	1,314	1,301	1,393	1,273	1,513	1,488	2,489
South Dakota	705	367	308	302	341	488	756	1,294
Tennessee	3,317	2,387	2,120	2,051	2,123	2,559	2,506	5,230
Texas	12,127	10,270	10,389	10,427	10,176	11,204	12,125	14,586
Utah	2,792	1,435	1,197	1,281	1,727	1,958	3,171	3,419
Vermont	401	342	317	292	194	332	375	774
Virginia	4,272	3,449	3,280	3,354	2,985	3,875	4,071	8,574
Washington	4,296	2,513	2,171	2,222	2,464	3,505	4,786	6,434
West Virginia	1,387	1,080	1,021	968	1,018	1,219	1,558	2,754
Wisconsin	5,179	3,025	3,147	2,883	3,068	4,498	6,319	11,248
Wyoming	1,021	443	401	408	519	938	1,098	1,714
<b>Total</b>	<b>200,614</b>	<b>144,797</b>	<b>137,208</b>	<b>133,637</b>	<b>138,042</b>	<b>178,475</b>	<b>211,980</b>	<b>371,604</b>

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				
	February	January	Total	December	November	October	September	August
Alabama	2,075	3,009	23,552	3,314	2,270	1,502	1,029	1,045
Alaska	1,857	2,342	15,953	2,277	1,986	1,400	866	639
Arizona	3,408	4,008	34,010	4,017	2,925	2,197	1,984	1,947
Arkansas	4,630	6,454	45,810	6,235	4,035	3,024	2,732	2,602
California	22,408	29,963	236,967	28,868	22,313	17,303	16,696	17,665
Colorado	6,209	9,446	54,265	9,068	5,113	2,823	1,812	1,494
Connecticut	6,332	7,504	50,258	7,106	4,847	3,180	2,467	2,463
Delaware	1,504	1,885	12,340	1,865	1,259	862	596	566
District of Columbia	1,613	2,127	15,648	2,011	1,577	898	675	699
Florida	5,344	6,099	62,526	5,912	5,252	4,706	4,549	4,283
Georgia	5,191	7,263	51,327	7,639	4,604	2,574	2,086	2,066
Hawaii	200	226	2,384	210	205	201	212	202
Idaho	2,492	3,769	17,598	3,274	1,658	1,266	811	712
Illinois	24,486	35,368	212,482	35,004	17,391	12,700	8,283	7,988
Indiana	8,353	12,716	74,131	13,295	6,368	4,328	2,719	2,477
Iowa	6,003	8,329	49,414	8,367	4,181	2,969	2,053	1,827
Kansas	3,454	5,805	34,757	5,714	2,687	2,056	1,640	1,674
Kentucky	3,815	5,382	33,520	5,920	2,991	1,698	1,176	1,127
Louisiana	2,287	3,168	28,931	3,405	2,449	2,094	1,902	1,969
Maine	1,150	1,304	8,559	1,319	771	523	291	280
Maryland	8,036	10,372	70,500	9,758	6,916	4,184	3,228	2,978
Massachusetts	13,289	15,554	104,850	15,614	10,251	7,159	4,249	4,040
Michigan	20,749	26,049	158,613	24,658	13,187	8,229	5,363	5,186
Minnesota	12,893	16,943	92,591	14,792	8,031	5,391	2,948	2,840
Mississippi	1,704	2,374	18,135	2,369	1,610	1,097	988	972
Missouri	6,673	10,591	56,968	10,063	5,473	2,951	1,981	2,119
Montana	3,028	4,096	21,314	3,947	2,238	1,556	934	742
Nebraska	3,688	5,382	26,971	4,892	2,339	1,259	954	930
Nevada	3,525	4,528	31,125	4,003	2,639	2,154	1,836	1,723
New Hampshire	1,165	1,446	8,509	1,486	892	365	234	203
New Jersey	18,252	22,474	153,096	23,599	11,716	7,835	7,339	8,213
New Mexico	2,446	3,888	24,954	3,981	3,332	1,534	1,170	1,053
New York	36,302	41,596	302,572	40,052	27,357	20,743	14,980	16,361
North Carolina	5,153	7,633	55,876	7,468	5,301	3,360	2,792	2,791
North Dakota	1,703	2,307	11,810	2,344	1,034	795	356	300
Ohio	18,787	25,666	152,478	24,175	14,607	8,563	4,897	4,901
Oklahoma	4,396	7,097	37,064	6,770	2,879	1,878	1,619	1,576
Oregon	4,110	5,864	26,667	5,055	2,520	1,949	1,071	697
Pennsylvania	18,873	22,984	142,724	23,333	13,683	8,461	4,845	4,607
Rhode Island	1,501	1,840	10,744	1,843	1,019	572	233	167
South Carolina	2,105	2,814	23,734	2,840	2,424	1,588	1,284	1,300
South Dakota	1,344	1,973	10,439	1,968	964	590	349	298
Tennessee	5,140	7,133	49,809	8,028	4,716	2,548	2,049	1,957
Texas	16,435	23,843	164,306	19,848	12,834	10,547	9,892	9,890
Utah	4,609	7,780	39,066	7,032	4,221	1,971	1,358	1,036
Vermont	678	814	6,251	845	575	495	353	355
Virginia	7,248	9,667	67,553	8,363	7,390	4,447	2,938	2,754
Washington	7,492	9,551	51,634	8,699	4,816	3,829	2,518	2,192
West Virginia	2,535	3,069	22,698	3,164	2,079	1,350	999	1,007
Wisconsin	10,879	15,389	88,679	14,625	7,421	4,882	3,140	3,058
Wyoming	1,885	2,406	13,425	2,256	1,253	851	556	467
<b>Total</b>	<b>359,433</b>	<b>479,288</b>	<b>3,109,584</b>	<b>462,687</b>	<b>280,600</b>	<b>191,437</b>	<b>142,031</b>	<b>140,436</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	1,007	1,171	1,235	1,488	1,816	3,092	4,582
Alaska	566	664	826	1,201	1,664	1,753	2,110
Arizona	1,960	2,114	2,397	2,723	3,066	3,762	4,918
Arkansas	2,468	2,561	2,879	3,143	4,237	5,576	6,318
California	15,669	16,005	16,478	17,218	20,549	21,460	26,743
Colorado	1,637	1,833	3,120	4,606	6,191	7,280	9,288
Connecticut	2,444	2,107	2,826	3,746	5,111	6,810	7,153
Delaware	519	516	668	898	1,071	1,595	1,926
District of Columbia	688	639	877	1,222	1,297	2,469	2,596
Florida	4,637	4,546	4,878	5,279	5,668	6,135	6,679
Georgia	2,007	2,052	2,437	3,221	4,392	7,910	10,341
Hawaii	192	190	187	200	195	192	197
Idaho	668	664	865	1,009	1,734	2,111	2,827
Illinois	7,986	7,348	10,636	16,018	21,675	31,008	36,445
Indiana	2,087	2,175	3,276	5,162	6,491	11,412	14,341
Iowa	1,758	1,604	2,134	3,531	4,933	7,139	8,918
Kansas	1,607	1,723	2,045	2,124	2,969	4,496	6,023
Kentucky	1,066	1,012	1,523	1,798	3,178	5,408	6,623
Louisiana	1,784	1,815	2,109	2,136	2,247	2,777	4,243
Maine	284	311	471	789	1,018	1,168	1,333
Maryland	2,883	3,249	4,159	5,514	6,514	9,691	11,424
Massachusetts	3,804	3,735	5,675	8,886	10,864	14,235	16,338
Michigan	5,030	5,237	8,584	14,403	18,468	24,382	25,886
Minnesota	2,674	3,075	4,573	7,290	10,263	14,112	16,600
Mississippi	949	1,158	1,192	1,019	1,435	2,208	3,137
Missouri	2,039	2,033	2,666	3,235	5,205	8,517	10,686
Montana	732	764	1,136	1,461	2,230	2,390	3,184
Nebraska	960	1,048	1,267	1,817	2,565	3,846	5,094
Nevada	1,771	1,783	2,183	2,421	2,801	3,408	4,404
New Hampshire	200	248	381	716	962	1,283	1,539
New Jersey	8,165	7,963	8,929	11,456	15,021	19,959	22,901
New Mexico	1,009	1,117	1,249	1,558	2,196	2,815	3,942
New York	15,036	14,898	16,834	23,284	28,203	39,285	45,539
North Carolina	2,585	2,583	2,879	3,743	4,281	7,910	10,183
North Dakota	303	296	422	1,026	1,189	1,629	2,115
Ohio	4,191	4,163	6,641	12,085	14,931	23,507	29,819
Oklahoma	1,424	1,499	2,004	2,122	3,299	4,864	7,129
Oregon	926	1,046	1,318	1,797	2,922	3,165	4,202
Pennsylvania	4,419	4,886	6,755	10,708	13,281	21,414	26,331
Rhode Island	174	234	549	977	1,247	1,747	1,983
South Carolina	1,135	1,255	1,395	1,849	1,845	2,982	3,836
South Dakota	299	302	482	820	1,053	1,395	1,918
Tennessee	1,948	1,945	2,522	2,854	4,180	7,279	9,783
Texas	9,940	11,194	10,404	12,955	14,500	18,764	23,538
Utah	1,245	1,083	2,026	2,794	4,002	5,361	6,937
Vermont	350	310	290	520	523	724	911
Virginia	2,736	3,134	3,411	5,150	6,296	9,338	11,597
Washington	2,290	2,466	2,855	3,115	5,552	5,867	7,434
West Virginia	1,065	989	1,216	1,656	2,330	3,075	3,768
Wisconsin	2,865	3,160	4,577	7,205	9,265	13,209	15,271
Wyoming	431	435	856	1,107	1,521	1,634	2,059
<b>Total</b>	<b>134,609</b>	<b>138,340</b>	<b>171,297</b>	<b>233,059</b>	<b>298,447</b>	<b>413,548</b>	<b>503,093</b>

<sup>R</sup> Revised data.<sup>NA</sup> 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							
	Total	December	November	October	September	August	July	June
Alabama	204,912	19,164	18,564	17,466	15,830	16,032	16,027	16,033
Alaska	5,639	594	609	495	508	412	415	363
Arizona	20,156	2,042	1,900	1,677	1,417	1,503	1,427	1,454
Arkansas	NA	9,948	10,033	9,049	8,243	8,613	7,861	7,618
California	761,086	63,880	61,063	62,404	67,764	69,997	66,120	61,794
Colorado	88,809	9,840	8,869	7,379	5,697	5,466	5,394	5,332
Connecticut	24,853	2,433	2,246	1,947	1,767	1,824	1,785	1,696
Delaware	NA	3,135	NA	2,796	2,149	2,218	NA	NA
District of Columbia	0	0	0	0	0	0	0	0
Florida	NA	8,716	8,041	7,413	7,062	7,317	7,004	NA
Georgia	158,301	14,347	14,099	12,920	12,205	13,172	12,767	12,877
Hawaii	90	7	7	8	7	8	8	8
Idaho <sup>a</sup>	34,800	3,562	3,477	3,351	2,652	2,332	2,285	2,244
Illinois	263,012	26,043	26,066	22,978	18,707	18,341	17,863	16,728
Indiana	NA	39,877	37,604	NA	29,188	31,836	33,565	31,796
Iowa	249,869	21,781	22,747	21,473	19,143	20,360	19,906	18,735
Kansas	129,468	12,031	11,309	9,098	9,054	10,328	11,250	9,934
Kentucky	117,081	11,380	11,009	9,302	7,896	8,300	8,112	7,834
Louisiana	NA	97,645	93,510	92,332	93,857	94,130	94,629	95,929
Maine	19,189	1,993	1,847	1,801	1,596	1,457	1,448	1,189
Maryland	NA	1,855	1,951	1,431	1,249	1,275	1,352	1,118
Massachusetts	48,248	5,246	4,097	3,623	2,537	2,548	2,551	2,881
Michigan	NA	17,943	17,891	14,884	11,953	11,431	11,267	11,666
Minnesota	160,133	16,384	15,353	11,824	10,824	11,144	11,401	10,875
Mississippi	135,699	11,300	11,492	11,127	10,884	11,087	10,490	11,155
Missouri	65,989	6,492	6,581	5,335	4,427	4,628	4,372	4,346
Montana	25,211	2,234	2,257	2,166	2,047	2,011	2,121	2,044
Nebraska	85,590	7,427	7,901	7,719	6,774	6,244	7,289	6,517
Nevada	20,149	1,693	1,579	1,624	1,640	1,738	1,828	1,534
New Hampshire	9,886	904	873	778	694	679	686	689
New Jersey	NA	NA	NA	NA	NA	3,431	3,584	3,459
New Mexico	NA	NA	1,583	1,558	1,421	1,414	1,424	1,449
New York	NA	8,754	8,854	7,804	6,247	6,342	6,275	NA
North Carolina	NA	11,103	10,805	9,903	8,026	9,102	8,717	8,773
North Dakota	35,609	3,473	2,871	3,240	3,024	2,887	2,861	2,761
Ohio	285,034	27,712	24,681	21,740	19,856	19,587	19,531	20,453
Oklahoma	208,738	18,111	17,389	18,371	17,297	16,622	15,301	16,083
Oregon	54,079	4,738	4,595	4,621	4,150	4,059	3,986	4,174
Pennsylvania	229,992	21,817	20,283	18,660	16,554	17,134	17,002	16,727
Rhode Island	8,817	803	771	659	692	656	623	652
South Carolina	NA	8,810	8,955	8,452	6,986	7,707	7,487	7,579
South Dakota	NA	4,314	4,191	3,671	3,630	3,637	3,530	3,576
Tennessee	NA	13,234	NA	11,940	11,077	11,481	11,173	11,610
Texas	1,787,162	159,707	152,185	141,762	146,321	150,647	153,149	145,163
Utah	39,772	3,688	3,344	2,895	3,045	2,941	2,941	3,152
Vermont	2,284	230	212	195	162	161	154	156
Virginia	NA	7,427	7,884	7,934	NA	6,586	7,762	NA
Washington	NA	7,019	5,838	7,018	6,470	5,876	5,806	5,806
West Virginia	34,594	3,153	3,028	2,959	2,585	2,894	2,840	2,508
Wisconsin	166,885	16,606	15,972	13,666	11,038	11,176	10,546	10,590
Wyoming	NA	6,209	6,141	5,824	4,743	4,742	4,555	4,081
<b>Total</b>	<b>8,267,578</b>	<b>753,143</b>	<b>725,434</b>	<b>669,619</b>	<b>644,336</b>	<b>655,511</b>	<b>652,877</b>	<b>637,036</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018					Total	2017	
	May	April	March	February	January		December	November
Alabama	16,618	16,632	17,536	16,146	18,864	196,686	18,546	16,591
Alaska	392	352	439	525	535	4,156	395	305
Arizona	1,581	1,633	1,788	1,766	1,966	19,250	1,999	1,498
Arkansas	8,164	8,862	9,051	8,829	NA	100,251	9,549	8,536
California	63,220	60,237	63,615	57,100	63,893	760,661	66,073	62,097
Colorado	6,156	7,498	8,209	9,232	9,736	84,914	9,236	7,830
Connecticut	1,614	1,905	2,520	2,340	2,776	24,557	2,604	2,348
Delaware	NA	NA	NA	NA	3,963	29,860	2,511	2,534
District of Columbia	0	0	0	0	0	0	0	0
Florida	8,780	9,002	9,867	7,889	10,123	103,417	9,700	8,977
Georgia	12,780	12,864	14,189	11,966	14,116	150,172	13,801	13,207
Hawaii	8	8	7	7	8	85	5	7
Idaho <sup>a</sup>	2,458	2,541	3,270	3,099	3,529	35,856	3,492	3,326
Illinois	17,685	21,568	24,356	23,803	28,874	258,841	28,905	24,949
Indiana	34,496	34,679	39,247	37,558	NA	379,118	39,292	32,914
Iowa	18,991	20,552	22,276	20,873	23,032	241,187	23,040	21,394
Kansas	10,272	10,951	11,204	11,183	12,855	127,653	12,437	11,451
Kentucky	8,648	9,996	11,328	10,924	12,352	113,582	11,385	10,094
Louisiana	96,531	91,519	93,184	90,394	NA	1,096,400	100,026	95,589
Maine	1,152	1,468	1,703	1,637	1,900	17,698	1,892	1,752
Maryland	1,482	NA	NA	NA	2,093	15,744	1,549	1,545
Massachusetts	3,157	4,917	5,288	5,315	6,089	47,004	5,754	4,138
Michigan	12,204	15,346	18,246	NA	19,443	170,189	19,301	15,375
Minnesota	11,979	13,598	14,896	15,299	16,557	165,901	15,419	14,756
Mississippi	11,533	11,955	11,777	10,772	12,126	128,356	11,839	11,234
Missouri	4,303	5,545	6,225	6,762	6,973	63,158	6,841	5,617
Montana	1,888	1,744	2,099	2,259	2,343	23,393	2,756	2,668
Nebraska	6,432	6,953	7,321	7,383	7,631	89,521	8,325	7,795
Nevada	1,518	1,646	1,851	1,675	1,823	19,269	1,832	1,646
New Hampshire	779	871	916	999	1,019	9,499	941	818
New Jersey	NA	NA	NA	NA	NA	54,298	4,845	4,086
New Mexico	1,603	1,422	1,506	1,314	1,498	15,412	1,486	1,304
New York	5,842	8,231	8,806	8,834	9,652	82,779	9,123	8,387
North Carolina	8,942	9,817	11,028	9,460	NA	107,373	10,727	10,190
North Dakota	2,507	3,158	2,898	2,909	3,020	32,127	3,244	2,603
Ohio	21,812	24,820	27,130	27,015	30,698	277,767	29,055	25,226
Oklahoma	17,685	17,743	18,194	17,483	18,458	199,576	17,611	16,344
Oregon	4,314	4,572	5,035	4,610	5,225	57,849	5,265	4,791
Pennsylvania	17,706	20,183	21,739	19,444	22,745	219,028	21,967	20,038
Rhode Island	741	809	727	843	842	8,551	773	709
South Carolina	7,779	8,205	NA	7,598	7,463	91,644	8,265	8,536
South Dakota	3,591	NA	3,942	4,244	4,267	45,481	4,246	3,996
Tennessee	11,132	12,717	12,060	11,933	NA	134,555	12,987	10,700
Texas	150,337	147,085	149,515	134,557	156,733	1,681,634	155,675	146,275
Utah	3,223	3,449	3,361	3,797	3,937	40,007	3,874	3,380
Vermont	173	193	219	204	224	2,191	226	204
Virginia	7,771	7,558	8,194	8,179	8,173	94,098	8,239	8,300
Washington	5,935	6,241	NA	7,560	7,651	80,656	7,720	6,995
West Virginia	2,502	2,590	2,917	3,082	3,535	38,358	3,596	3,444
Wisconsin	11,949	14,827	15,964	16,229	18,322	154,920	17,463	14,978
Wyoming	NA	4,763	4,989	4,928	4,979	54,512	5,483	4,635
<b>Total</b>	<b>659,406</b>	<b>685,476</b>	<b>726,061</b>	<b>688,538</b>	<b>770,140</b>	<b>7,949,199</b>	<b>761,315</b>	<b>696,113</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017							
	October	September	August	July	June	May	April	March
Alabama	15,959	15,361	15,837	15,690	15,792	16,284	15,914	17,380
Alaska	239	215	241	200	341	374	403	473
Arizona	1,573	1,387	1,374	1,331	1,348	1,560	1,582	1,753
Arkansas	8,717	7,766	7,936	7,577	7,754	8,214	7,911	8,428
California	64,587	67,363	69,045	64,345	60,312	62,370	60,361	62,969
Colorado	6,938	5,080	5,415	5,273	5,382	6,685	7,107	7,806
Connecticut	1,664	1,665	1,737	1,750	1,691	1,756	1,848	2,633
Delaware	2,647	2,927	2,492	2,272	2,424	2,316	1,837	2,353
District of Columbia	0	0	0	0	0	0	0	0
Florida	8,841	7,277	8,360	8,082	7,874	8,590	8,494	9,403
Georgia	11,771	10,375	12,475	12,212	12,582	12,594	11,774	13,764
Hawaii	7	8	8	7	7	7	7	8
Idaho <sup>a</sup>	3,248	2,701	2,259	2,470	2,453	2,739	2,817	3,180
Illinois	20,943	18,252	18,199	17,082	17,387	19,237	20,040	23,713
Indiana	29,353	29,286	28,791	28,373	27,048	28,706	30,510	34,796
Iowa	18,916	18,558	19,383	19,224	19,011	19,588	19,374	21,556
Kansas	9,490	10,383	11,177	11,787	10,250	9,317	10,133	10,059
Kentucky	9,133	8,186	8,383	7,998	8,470	9,191	9,028	10,431
Louisiana	93,604	89,667	93,269	90,756	88,608	89,293	88,029	90,433
Maine	1,396	1,291	1,229	1,300	1,200	1,257	1,435	1,634
Maryland	1,255	1,205	1,133	1,183	1,294	1,234	1,040	1,535
Massachusetts	2,860	2,524	2,521	2,494	2,712	3,205	4,319	5,615
Michigan	13,700	11,313	11,794	10,642	10,688	12,253	12,863	17,286
Minnesota	12,890	12,342	12,902	12,244	12,617	12,857	13,737	14,916
Mississippi	10,449	10,432	10,624	10,028	10,107	10,741	10,451	11,032
Missouri	5,105	4,311	4,557	4,367	4,327	4,679	4,834	5,869
Montana	2,668	2,088	1,930	1,817	1,470	1,158	1,341	1,731
Nebraska	7,870	6,724	7,276	7,653	6,272	6,928	7,076	7,413
Nevada	1,737	1,530	1,581	1,454	1,482	1,470	1,526	1,672
New Hampshire	725	677	658	680	676	759	853	911
New Jersey	4,941	3,545	3,830	4,099	4,479	4,363	4,045	5,556
New Mexico	1,327	1,215	1,260	1,265	1,221	1,277	1,214	1,122
New York	6,613	5,711	5,760	5,605	5,445	5,516	6,385	8,235
North Carolina	9,444	8,158	8,420	7,805	8,109	8,311	8,284	9,631
North Dakota	2,658	1,797	2,491	2,506	2,749	2,849	2,900	3,045
Ohio	21,235	20,375	19,389	19,040	18,629	21,099	22,328	26,700
Oklahoma	17,006	16,351	16,119	15,682	15,878	16,580	17,059	17,746
Oregon	4,894	4,363	4,270	4,137	4,399	4,747	4,780	5,208
Pennsylvania	17,812	16,507	15,614	15,801	15,971	16,819	17,066	21,082
Rhode Island	641	673	672	644	660	666	799	716
South Carolina	8,064	7,059	7,447	6,996	7,138	7,435	7,212	8,092
South Dakota	3,530	3,555	3,642	3,589	3,569	3,663	3,632	3,932
Tennessee	10,473	10,403	10,891	10,480	10,639	11,033	10,673	11,984
Texas	142,341	130,756	140,307	142,969	139,976	133,114	131,927	140,426
Utah	2,947	3,048	2,907	3,035	3,112	3,247	3,480	3,390
Vermont	166	158	164	158	158	158	167	215
Virginia	7,583	7,553	7,439	6,704	7,845	7,899	8,037	8,477
Washington	7,290	6,287	6,088	5,935	5,952	6,065	6,277	7,011
West Virginia	3,193	3,046	3,101	2,953	3,005	2,931	2,734	3,468
Wisconsin	12,171	10,461	10,954	10,268	9,988	11,080	11,765	15,105
Wyoming	4,389	4,192	4,199	3,973	4,015	4,380	4,591	4,948
<b>Total</b>	<b>657,005</b>	<b>616,109</b>	<b>637,549</b>	<b>623,935</b>	<b>614,517</b>	<b>628,595</b>	<b>632,002</b>	<b>696,841</b>

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				
	February	January	Total	December	November	October	September	August
Alabama	15,521	17,810	192,424	17,008	15,519	15,062	14,459	14,876
Alaska	468	502	4,268	466	493	538	436	261
Arizona	1,780	2,064	19,765	1,914	1,646	1,664	1,576	1,386
Arkansas	8,369	9,493	87,876	8,486	7,552	7,040	6,647	7,042
California	56,866	64,275	774,503	66,492	62,917	63,793	68,838	72,768
Colorado	7,890	10,271	80,432	9,453	7,221	6,109	5,165	5,245
Connecticut	2,217	2,644	24,271	2,671	2,213	1,745	1,663	1,733
Delaware	2,657	2,888	31,457	2,776	2,573	2,742	2,659	2,573
District of Columbia	0	0	0	0	0	0	0	0
Florida	8,369	9,450	103,658	9,226	8,626	8,459	8,153	8,430
Georgia	12,166	13,451	152,311	13,477	12,606	12,638	11,521	11,715
Hawaii	7	8	83	6	6	7	7	9
Idaho	3,273	3,897	34,761	3,788	3,171	3,117	2,659	2,252
Illinois	22,906	27,228	254,682	27,068	22,155	20,311	18,509	17,490
Indiana	32,500	37,551	370,944	37,404	28,293	24,640	27,079	27,964
Iowa	19,552	21,591	189,618	20,144	18,423	16,354	14,196	15,025
Kansas	10,103	11,066	124,071	12,773	9,908	9,143	8,334	12,061
Kentucky	9,855	11,429	115,201	11,095	10,031	9,002	8,199	8,561
Louisiana	82,593	94,532	1,048,751	93,894	88,053	85,526	84,510	87,364
Maine	1,567	1,745	18,983	1,528	1,407	1,692	1,586	1,584
Maryland	1,281	1,490	15,400	1,634	1,147	1,302	1,021	1,230
Massachusetts	5,144	5,717	45,721	5,214	4,191	3,312	2,481	2,402
Michigan	16,158	18,815	172,006	18,444	14,564	13,227	12,156	11,474
Minnesota	14,740	16,480	162,818	16,003	13,777	12,022	10,872	12,081
Mississippi	10,303	11,114	116,105	10,738	9,931	8,326	8,675	9,571
Missouri	5,637	7,014	63,630	6,736	5,256	4,457	4,627	4,299
Montana	1,724	2,042	21,233	1,857	2,132	1,875	1,840	1,639
Nebraska	7,670	8,520	91,021	8,388	8,304	8,066	7,636	9,161
Nevada	1,518	1,821	18,327	1,826	1,517	1,629	1,509	1,438
New Hampshire	910	892	8,454	768	722	653	623	587
New Jersey	5,033	5,475	60,910	5,368	4,500	5,411	5,188	5,381
New Mexico	1,212	1,509	16,109	1,524	1,393	1,321	1,232	1,209
New York	7,536	8,464	80,850	8,722	7,103	6,423	5,591	5,835
North Carolina	8,662	9,633	105,504	9,626	8,939	8,628	7,701	8,374
North Dakota	2,358	2,928	31,232	2,615	3,016	3,194	2,862	2,013
Ohio	25,763	28,927	275,358	27,736	23,434	21,355	19,318	18,882
Oklahoma	15,395	17,804	193,703	17,713	15,596	15,060	13,868	15,755
Oregon	5,093	5,901	57,760	5,707	4,759	4,927	4,473	4,334
Pennsylvania	19,076	21,275	212,253	20,665	19,496	17,368	14,881	16,265
Rhode Island	791	806	8,474	734	677	694	742	662
South Carolina	7,251	8,149	88,148	7,957	7,852	7,159	6,862	6,901
South Dakota	3,812	4,314	44,570	4,106	3,952	3,565	3,537	3,662
Tennessee	11,690	12,602	122,953	12,160	10,532	9,986	9,338	9,638
Texas	132,346	145,522	1,649,759	154,444	140,148	137,229	136,898	143,182
Utah	3,810	3,779	38,568	3,460	3,201	3,130	2,995	2,735
Vermont	196	222	2,172	217	199	185	153	140
Virginia	8,079	7,943	88,422	7,661	7,546	6,455	7,531	7,432
Washington	6,861	8,175	79,275	7,901	6,687	7,137	6,414	5,964
West Virginia	3,228	3,658	32,281	3,406	3,319	3,002	2,710	2,586
Wisconsin	13,844	16,843	144,801	16,022	12,478	11,393	9,927	10,067
Wyoming	4,618	5,089	52,810	5,173	4,937	4,648	4,013	4,304
<b>Total</b>	<b>650,397</b>	<b>734,820</b>	<b>7,728,688</b>	<b>734,194</b>	<b>654,119</b>	<b>622,720</b>	<b>603,868</b>	<b>627,541</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	14,949	15,396	16,896	16,023	16,861	16,687	18,689
Alaska	307	363	261	183	237	243	479
Arizona	1,334	1,542	1,591	1,582	1,708	1,793	2,030
Arkansas	6,584	6,588	7,024	7,097	7,563	7,673	8,580
California	66,480	62,672	63,228	61,518	62,641	58,878	64,278
Colorado	5,117	4,982	6,141	6,624	7,543	7,705	9,126
Connecticut	1,685	1,602	1,714	1,921	2,044	2,517	2,763
Delaware	2,690	2,333	2,643	2,464	2,666	2,517	2,821
District of Columbia	0	0	0	0	0	0	0
Florida	8,339	7,619	8,566	8,977	9,069	8,655	9,538
Georgia	11,878	11,834	12,662	12,372	13,421	13,817	14,370
Hawaii	8	6	7	7	6	7	7
Idaho <sup>a</sup>	2,524	2,136	2,462	2,492	3,184	3,333	3,644
Illinois	17,546	16,347	18,791	20,144	23,105	25,499	27,716
Indiana	29,019	29,036	31,205	31,458	33,805	34,111	36,930
Iowa	14,362	14,127	14,314	13,992	15,810	15,850	17,022
Kansas	10,987	9,304	9,241	9,362	10,366	10,736	11,858
Kentucky	8,169	8,237	9,171	9,448	10,354	10,914	12,020
Louisiana	88,601	85,217	87,931	85,724	88,194	83,366	90,371
Maine	1,565	1,415	1,569	1,603	1,800	1,550	1,685
Maryland	1,246	1,084	1,217	1,264	1,528	1,416	1,311
Massachusetts	2,466	2,832	3,161	4,160	4,604	5,317	5,581
Michigan	10,754	11,265	11,856	14,586	16,471	18,123	19,086
Minnesota	12,192	11,710	12,504	13,333	15,566	15,388	17,372
Mississippi	9,590	9,838	9,772	9,646	9,098	10,106	10,814
Missouri	4,450	4,383	4,950	4,937	5,553	7,122	6,860
Montana	1,661	1,508	1,660	1,459	1,690	1,851	2,061
Nebraska	8,443	7,125	6,787	6,588	6,730	6,541	7,251
Nevada	1,391	1,427	1,477	1,512	1,556	1,442	1,603
New Hampshire	593	568	680	726	803	862	869
New Jersey	5,638	5,274	4,369	4,820	4,181	4,731	6,048
New Mexico	1,252	1,220	1,297	1,234	1,437	1,449	1,541
New York	5,452	5,384	5,161	6,993	7,821	8,250	8,114
North Carolina	7,745	7,671	8,442	8,635	9,197	10,050	10,497
North Dakota	2,176	2,782	2,811	2,083	2,665	2,263	2,753
Ohio	19,109	19,658	21,364	22,601	24,852	27,286	29,762
Oklahoma	15,913	15,793	17,437	16,462	16,558	15,612	17,935
Oregon	4,258	4,280	4,580	4,618	5,105	4,998	5,723
Pennsylvania	14,825	14,580	15,741	17,592	19,230	20,507	21,103
Rhode Island	605	652	691	728	760	799	730
South Carolina	6,770	7,011	7,448	7,465	7,539	7,284	7,900
South Dakota	3,402	3,386	3,480	3,645	3,785	3,932	4,117
Tennessee	9,289	9,493	9,394	9,550	10,158	11,181	12,233
Texas	142,462	128,351	128,630	126,871	137,784	131,520	142,240
Utah	2,822	3,036	3,073	3,569	3,376	3,600	3,571
Vermont	140	151	167	192	204	204	220
Virginia	7,352	7,195	6,894	7,179	7,455	7,101	8,622
Washington	6,013	5,731	5,759	6,304	6,606	6,795	7,964
West Virginia	2,715	2,417	2,093	2,287	2,513	2,566	2,669
Wisconsin	9,335	9,793	10,206	11,961	13,086	14,381	16,152
Wyoming	4,274	4,040	4,159	4,054	4,405	4,263	4,539
<b>Total</b>	<b>616,480</b>	<b>590,392</b>	<b>612,675</b>	<b>620,045</b>	<b>662,694</b>	<b>662,790</b>	<b>721,171</b>

<sup>a</sup> Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

<sup>R</sup> Revised data.

<sup>NA</sup> 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<sup>a</sup> consumers, by state, 2016-2018**  
(million cubic feet)

State	2018							
	Total	December	November	October	September	August	July	June
Alabama	431,553	29,657	R31,156	37,623	43,565	R43,207	R45,373	39,099
Alaska	33,050	2,493	1,986	R2,253	3,245	R4,071	3,987	2,592
Arizona	287,022	22,826	21,531	29,186	35,761	38,560	R37,263	27,153
Arkansas	142,080	4,925	R7,204	14,584	11,685	R14,852	R15,992	R14,354
California	629,469	53,610	R55,519	R61,611	R56,086	76,620	84,973	R42,832
Colorado	128,072	10,166	R9,937	R9,971	11,296	12,743	14,696	12,168
Connecticut	135,450	12,350	12,263	R11,625	R12,216	14,689	14,093	11,464
Delaware	34,950	1,157	1,534	R3,866	R3,767	4,715	3,337	2,257
District of Columbia	--	--	--	--	--	--	--	--
Florida	1,280,920	84,630	R94,658	R121,014	R130,881	R131,226	R132,621	R119,193
Georgia	377,421	26,149	R24,294	R31,444	R36,863	R39,093	R42,908	R35,966
Hawaii	--	--	--	--	--	--	--	--
Idaho	22,085	2,296	2,134	R998	2,946	R2,868	3,238	1,845
Illinois	160,255	6,629	9,696	R11,096	R16,976	21,600	22,152	14,534
Indiana	185,155	14,523	R14,959	R13,899	R14,853	18,378	19,444	17,035
Iowa	49,657	3,311	2,199	R3,095	5,980	R5,545	6,249	4,779
Kansas	32,422	971	1,397	2,651	R3,021	R3,623	R4,797	4,329
Kentucky	114,492	6,407	8,993	R9,382	R11,023	10,999	10,957	8,280
Louisiana	299,490	15,779	R16,516	R28,324	R29,211	R31,644	R34,746	R30,123
Maine	W	609	1,060	R1,895	1,208	2,102	2,005	1,506
Maryland	101,163	6,609	R5,916	R10,430	R11,179	R11,914	R10,930	8,018
Massachusetts	144,031	9,718	R8,492	R10,009	R12,530	R19,330	R17,622	10,459
Michigan	247,744	16,362	15,088	R18,163	R21,959	R24,231	R23,862	R19,319
Minnesota	65,650	3,090	3,227	R3,740	7,768	R8,014	R8,732	5,314
Mississippi	364,790	19,543	R24,432	R24,146	33,807	R39,032	R39,287	R33,059
Missouri	67,697	3,195	4,815	R5,914	R5,764	7,577	7,849	6,421
Montana	4,899	587	483	R389	W	617	524	280
Nebraska	10,453	W	W	R884	W	R1,358	1,626	785
Nevada	200,426	13,538	13,701	15,257	20,429	23,976	R25,305	19,356
New Hampshire	21,563	502	1,380	3,203	2,249	4,153	4,186	3,043
New Jersey	294,225	22,025	20,998	R23,310	R29,373	34,315	34,230	24,002
New Mexico	96,428	9,186	7,195	6,700	8,902	10,317	R10,711	9,673
New York	420,296	29,514	R30,423	R33,418	R40,474	R55,506	R51,805	R35,828
North Carolina	333,347	24,407	R26,316	29,108	31,035	R34,560	R38,192	29,893
North Dakota	7,145	W	W	620	W	R874	902	552
Ohio	305,814	27,600	R26,746	R26,726	R25,329	29,975	29,020	24,168
Oklahoma	314,498	19,134	R21,567	R22,265	32,133	R36,435	R41,579	R34,900
Oregon	122,230	12,577	11,799	R11,043	13,492	R14,797	14,196	5,663
Pennsylvania	546,201	43,819	R41,270	R48,717	R53,918	61,612	R57,672	R46,611
Rhode Island	W	3,817	3,208	R5,211	R5,379	5,878	5,566	4,450
South Carolina	176,797	10,920	R15,988	17,220	22,220	R20,600	R21,539	R17,399
South Dakota	W	W	W	R608	W	R1,073	1,207	588
Tennessee	99,712	6,638	7,785	R9,254	R10,989	11,266	11,132	8,768
Texas	1,615,400	109,193	R102,609	R127,916	153,251	R185,073	R202,274	R156,865
Utah	61,649	5,836	5,311	6,044	6,066	8,147	R8,389	4,549
Vermont	11	*	1	1	1	*	2	2
Virginia	356,382	31,191	R27,014	R22,035	35,404	R38,248	R38,204	R35,359
Washington	78,505	5,160	3,046	R5,661	10,127	R11,922	12,207	5,656
West Virginia	10,754	W	687	R1,401	1,875	1,416	1,347	868
Wisconsin	135,365	10,041	8,253	R10,875	13,920	R16,314	16,375	10,964
Wyoming	2,146	141	209	201	W	W	329	147
<b>Total</b>	<b>10,625,694</b>	<b>743,958</b>	<b>R756,296</b>	<b>R894,986</b>	<b>R1,044,507</b>	<b>R1,195,340</b>	<b>R1,235,633</b>	<b>R952,471</b>

See footnotes at end of table.

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

State	2018					2017		
	May	April	March	February	January	Total	December	November
Alabama	R39,676	33,462	R30,331	R24,693	R33,711	387,460	30,027	30,663
Alaska	1,991	2,139	3,017	2,393	2,883	27,141	2,879	2,287
Arizona	20,667	17,312	12,787	12,036	11,939	222,843	15,583	12,775
Arkansas	R13,253	13,016	R10,614	R10,514	R11,088	133,042	12,806	6,552
California	29,657	32,301	48,607	41,231	R46,422	597,171	50,535	48,013
Colorado	10,487	7,543	8,770	9,878	10,417	98,427	8,882	6,641
Connecticut	R8,699	8,947	10,374	9,458	9,272	107,213	10,080	10,253
Delaware	3,249	3,279	3,444	2,373	1,973	45,793	2,622	2,381
District of Columbia	--	--	--	--	--	*	*	--
Florida	R105,002	R96,910	R92,076	R82,249	R90,459	1,196,155	86,507	83,018
Georgia	R33,624	R22,838	R26,745	R26,277	R31,222	377,452	32,831	26,920
Hawaii	--	--	--	--	--	--	--	--
Idaho	1,018	W	1,132	1,164	1,457	20,214	2,067	1,608
Illinois	R15,007	9,179	11,108	W	12,821	116,882	9,016	7,543
Indiana	R17,450	R13,231	R12,630	12,852	15,902	151,820	16,492	12,651
Iowa	5,130	4,460	3,275	2,547	3,088	27,706	3,249	2,098
Kansas	R5,045	2,276	R1,825	1,149	R1,338	23,257	1,582	1,563
Kentucky	9,701	7,394	9,356	7,509	14,489	84,878	8,188	7,550
Louisiana	R28,705	R20,431	R19,561	R19,450	R25,000	272,156	21,902	15,618
Maine	1,313	918	1,406	W	805	19,088	1,601	W
Maryland	10,889	7,213	6,630	R7,655	3,779	51,303	5,044	5,218
Massachusetts	R8,734	R8,496	12,610	R13,613	12,417	163,128	13,410	9,884
Michigan	R24,189	R22,769	23,536	16,719	21,548	216,285	21,153	16,756
Minnesota	5,789	5,800	5,489	3,980	4,707	58,713	5,661	4,496
Mississippi	R33,551	29,257	R26,674	R25,982	R36,019	346,990	31,169	24,528
Missouri	6,754	2,756	4,530	7,184	4,937	44,834	3,383	3,547
Montana	368	W	273	287	337	5,118	450	340
Nebraska	1,313	W	415	274	486	5,531	284	282
Nevada	14,347	13,231	13,525	13,023	14,737	196,646	14,765	14,037
New Hampshire	850	616	242	223	916	25,975	1,429	1,850
New Jersey	21,642	21,604	23,835	22,040	16,853	278,263	23,081	18,584
New Mexico	8,520	7,315	6,829	5,685	5,395	75,644	6,207	4,903
New York	R31,178	R26,275	R27,334	R30,594	R27,946	400,403	31,253	27,835
North Carolina	R24,829	R20,669	R27,793	R22,479	R24,066	285,843	26,844	22,687
North Dakota	W	W	575	W	520	10,100	993	821
Ohio	R23,004	21,898	23,049	22,169	26,130	205,619	21,547	20,491
Oklahoma	R33,934	20,986	R16,138	R17,418	R18,008	235,574	19,103	14,548
Oregon	3,179	6,488	11,260	7,384	10,352	88,673	11,711	8,347
Pennsylvania	R37,153	R37,289	R41,539	R39,647	R36,955	440,807	33,147	32,340
Rhode Island	3,927	3,670	3,598	W	3,178	41,128	3,072	3,304
South Carolina	12,351	R9,547	R10,432	R7,073	R11,508	135,107	9,625	10,191
South Dakota	W	W	443	W	549	6,467	540	427
Tennessee	5,411	5,604	7,150	6,543	9,174	77,410	6,653	5,416
Texas	R145,076	R100,637	R106,900	R103,835	R121,769	1,383,503	110,222	88,443
Utah	3,814	3,235	R3,229	3,245	3,783	40,900	3,738	1,982
Vermont	*	2	1	1	--	12	1	1
Virginia	R27,585	R19,845	R26,513	R27,627	R27,358	327,126	27,707	26,263
Washington	3,431	4,339	6,190	4,501	6,266	77,234	8,453	6,714
West Virginia	1,053	1,145	275	W	517	11,295	434	915
Wisconsin	9,113	7,434	11,291	10,081	10,705	104,470	10,144	8,004
Wyoming	W	W	W	145	W	1,268	154	90
<b>Total</b>	<b>R853,201</b>	<b>R707,388</b>	<b>R755,400</b>	<b>R701,253</b>	<b>R785,260</b>	<b>9,250,066</b>	<b>768,229</b>	<b>662,814</b>

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power<sup>a</sup> consumers, by state, 2016-2018

(million cubic feet) – continued

State	2017							
	October	September	August	July	June	May	April	March
Alabama	31,968	35,935	41,891	43,183	33,599	30,994	29,790	30,529
Alaska	2,739	2,590	3,148	3,075	1,798	1,398	1,510	1,916
Arizona	21,580	24,782	31,174	34,001	27,480	19,077	14,165	7,307
Arkansas	10,535	10,781	14,121	16,802	13,498	13,100	11,525	11,030
California	58,492	62,609	78,072	67,121	49,346	35,394	27,417	31,506
Colorado	6,431	9,209	11,276	12,634	8,919	7,299	7,343	5,826
Connecticut	9,317	8,206	10,854	10,807	7,911	6,513	7,058	7,920
Delaware	3,671	3,758	5,123	5,481	5,034	4,977	3,096	4,208
District of Columbia	--	--	--	--	--	--	--	--
Florida	106,714	112,489	128,071	125,089	109,736	110,008	93,552	90,505
Georgia	29,911	33,691	41,187	39,860	34,495	30,628	24,262	27,563
Hawaii	--	--	--	--	--	--	--	--
Idaho	2,046	2,004	2,466	2,481	1,336	1,018	1,049	1,324
Illinois	8,982	11,325	12,376	15,559	12,488	8,386	6,401	10,068
Indiana	12,159	13,843	13,840	15,322	11,947	7,722	9,715	14,366
Iowa	2,623	3,197	3,935	3,785	1,969	1,450	1,609	1,256
Kansas	2,518	2,034	2,852	4,037	2,604	1,598	1,520	1,451
Kentucky	5,319	6,666	8,501	10,869	7,897	6,451	6,616	7,421
Louisiana	26,045	25,718	29,240	30,216	26,532	23,915	20,939	21,216
Maine	W	W	W	W	W	W	W	W
Maryland	3,262	5,952	4,900	5,951	4,624	3,267	3,780	4,637
Massachusetts	12,070	13,431	17,504	17,273	15,120	13,217	13,630	13,567
Michigan	19,250	18,700	21,353	23,797	17,749	15,867	13,869	19,052
Minnesota	5,591	5,964	7,274	8,038	3,957	3,115	2,990	3,813
Mississippi	25,870	29,682	36,360	39,236	30,537	30,306	25,274	29,604
Missouri	W	4,698	4,582	5,821	4,260	2,943	2,696	3,538
Montana	434	532	727	634	315	319	333	343
Nebraska	319	588	769	1,513	450	342	210	358
Nevada	16,823	17,643	22,428	22,970	19,267	14,582	11,945	12,837
New Hampshire	1,668	3,324	3,468	2,923	2,505	1,776	3,572	1,464
New Jersey	21,751	23,629	26,502	31,311	26,603	22,211	20,150	26,548
New Mexico	5,982	6,601	7,717	9,181	8,075	6,116	4,531	5,096
New York	30,115	36,648	44,450	47,146	37,934	28,322	25,663	33,506
North Carolina	22,530	24,699	27,503	28,212	24,265	21,983	18,297	24,879
North Dakota	899	973	1,111	1,126	761	628	628	675
Ohio	15,269	17,640	20,914	21,142	17,010	14,752	11,832	15,964
Oklahoma	18,031	21,568	29,133	34,774	24,995	18,664	16,848	12,971
Oregon	10,577	9,407	11,698	9,828	3,116	2,020	2,330	3,256
Pennsylvania	45,997	44,848	46,837	49,613	38,393	27,745	25,534	32,555
Rhode Island	W	3,926	4,249	4,480	3,817	3,286	3,093	2,987
South Carolina	12,271	12,622	13,429	14,172	11,987	12,820	11,209	9,993
South Dakota	543	707	865	1,071	W	352	W	452
Tennessee	6,291	6,626	7,456	8,614	7,142	3,618	6,468	8,876
Texas	110,054	125,868	166,502	176,441	142,427	111,299	97,943	93,567
Utah	2,017	3,581	6,207	5,218	3,670	2,516	2,195	2,210
Vermont	*	1	1	*	1	2	*	2
Virginia	21,680	31,012	35,320	37,392	33,514	23,226	19,393	26,434
Washington	8,284	7,571	10,262	8,374	3,605	3,452	4,295	4,373
West Virginia	2,067	2,064	1,470	1,544	1,047	496	W	W
Wisconsin	10,295	10,809	12,373	13,683	8,059	5,542	5,611	7,853
Wyoming	55	116	219	292	85	W	55	W
<b>Total</b>	<b>779,799</b>	<b>862,068</b>	<b>1,033,682</b>	<b>1,074,275</b>	<b>854,087</b>	<b>706,151</b>	<b>623,889</b>	<b>678,970</b>

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power<sup>a</sup> consumers, by state, 2016-2018

(million cubic feet) – continued

State	2017			2016				
	February	January	Total	December	November	October	September	August
Alabama	23,174	25,708	412,913	31,015	30,551	31,645	40,185	43,070
Alaska	1,470	2,331	28,224	2,523	2,469	2,055	2,150	2,189
Arizona	5,396	9,522	255,498	9,591	12,132	20,783	28,584	36,031
Arkansas	7,424	4,866	135,317	7,146	10,822	9,016	9,071	16,253
California	37,508	51,157	666,017	54,108	48,998	63,461	64,331	78,970
Colorado	5,680	8,285	96,923	7,425	5,795	5,992	6,920	10,192
Connecticut	8,140	10,154	123,024	9,504	9,848	9,718	10,069	12,376
Delaware	2,807	2,635	54,156	2,113	3,488	5,359	5,359	7,211
District of Columbia	--	--	*	*	*	*	*	*
Florida	72,938	77,530	1,181,451	76,746	76,993	97,396	108,909	120,692
Georgia	27,669	28,434	379,284	25,902	23,983	26,055	31,766	41,343
Hawaii	--	--	--	--	--	--	--	--
Idaho	1,077	1,738	23,311	1,748	778	1,344	2,641	3,547
Illinois	7,394	7,345	145,716	8,248	8,346	11,723	12,773	19,713
Indiana	11,093	12,669	174,685	15,180	15,085	12,625	13,083	17,277
Iowa	952	1,583	20,886	951	843	1,116	1,408	3,477
Kansas	621	874	20,399	1,153	1,383	1,253	2,743	2,759
Kentucky	4,293	5,106	66,359	5,391	4,224	4,709	5,408	7,452
Louisiana	15,835	14,982	330,541	18,805	19,759	22,901	28,667	31,944
Maine	W	1,402	22,366	813	1,119	1,766	1,829	3,554
Maryland	2,708	1,960	49,486	585	459	3,346	5,521	10,580
Massachusetts	11,524	12,498	156,433	10,256	7,743	9,112	14,109	21,402
Michigan	12,299	16,439	242,787	15,595	17,274	17,156	17,814	30,330
Minnesota	2,922	4,893	65,227	2,892	3,322	3,309	3,281	10,175
Mississippi	18,842	25,581	367,040	27,542	21,348	27,237	36,271	37,750
Missouri	2,583	2,978	52,480	3,732	2,225	3,143	4,917	6,692
Montana	288	404	5,363	335	313	404	501	636
Nebraska	143	273	5,791	180	679	452	257	931
Nevada	13,168	16,181	209,901	15,924	15,676	15,312	17,165	21,862
New Hampshire	893	1,104	33,841	2,200	3,078	2,362	3,909	4,582
New Jersey	17,255	20,637	326,982	20,898	19,267	27,406	29,728	40,967
New Mexico	5,004	6,231	81,274	6,201	5,138	6,901	7,003	8,281
New York	26,606	30,926	472,427	33,317	27,930	32,031	44,875	64,632
North Carolina	21,931	22,013	293,272	21,671	23,750	18,534	24,168	30,193
North Dakota	624	862	11,320	336	1,237	1,809	909	1,397
Ohio	13,968	15,089	212,528	15,804	15,769	14,351	18,196	22,905
Oklahoma	10,845	14,093	276,964	16,688	21,300	18,832	26,003	29,834
Oregon	5,735	10,649	107,003	12,372	7,806	7,778	13,161	14,200
Pennsylvania	30,334	33,465	501,116	38,578	39,356	39,539	47,232	57,182
Rhode Island	2,638	2,887	46,907	2,828	2,904	2,955	4,459	5,705
South Carolina	8,927	7,863	133,646	7,162	13,842	10,979	13,967	14,823
South Dakota	270	490	7,410	252	607	499	546	871
Tennessee	5,105	5,144	87,692	7,932	3,689	6,424	8,880	10,416
Texas	75,007	85,730	1,534,063	89,011	94,746	111,464	144,410	174,678
Utah	2,677	4,889	59,684	4,438	3,529	4,025	4,590	6,195
Vermont	1	2	14	2	2	2	3	3
Virginia	22,401	22,783	294,524	20,971	20,924	18,088	28,121	38,312
Washington	4,100	7,748	81,728	7,547	4,450	4,641	10,306	12,263
West Virginia	W	W	10,167	131	361	1,632	1,134	680
Wisconsin	5,223	6,873	119,613	6,898	6,597	5,109	7,893	14,518
Wyoming	27	97	1,514	148	106	45	62	190
<b>Total</b>	<b>558,740</b>	<b>647,362</b>	<b>9,985,270</b>	<b>670,787</b>	<b>662,046</b>	<b>743,796</b>	<b>915,286</b>	<b>1,151,236</b>

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power<sup>a</sup> consumers, by state, 2016-2018

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	44,142	39,006	33,044	26,247	30,787	29,302	33,919
Alaska	2,351	2,216	2,405	2,436	2,387	2,331	2,712
Arizona	36,488	31,042	20,255	18,638	14,142	12,559	15,254
Arkansas	16,153	17,126	12,107	10,434	12,695	5,866	8,629
California	71,837	61,452	39,062	36,115	38,154	48,599	60,932
Colorado	11,729	10,390	8,004	8,790	7,415	6,405	7,868
Connecticut	11,628	9,199	10,245	11,368	8,897	9,694	10,479
Delaware	7,632	6,015	3,847	4,522	3,849	2,510	2,250
District of Columbia	*	*	*	*	*	*	*
Florida	122,367	114,348	107,010	99,955	90,865	79,445	86,725
Georgia	43,072	39,622	33,281	30,539	29,414	25,673	28,632
Hawaii	--	--	--	--	--	--	--
Idaho	2,420	1,942	1,346	530	1,736	2,392	2,887
Illinois	23,160	13,199	9,544	9,543	12,168	8,962	8,337
Indiana	16,937	15,362	15,092	10,314	15,464	13,185	15,082
Iowa	3,103	2,230	2,492	698	1,464	1,471	1,634
Kansas	2,848	3,165	1,825	1,051	933	566	720
Kentucky	7,891	6,703	4,952	4,470	6,024	3,725	5,411
Louisiana	38,612	33,563	30,749	25,535	27,234	24,798	27,974
Maine	3,241	1,765	1,917	1,408	606	1,897	2,451
Maryland	9,969	3,737	3,951	3,600	4,267	2,274	1,197
Massachusetts	21,487	17,082	15,038	11,333	10,265	9,526	9,082
Michigan	25,486	21,471	22,513	22,958	18,925	16,849	16,416
Minnesota	8,456	6,090	6,106	5,804	5,186	5,206	5,400
Mississippi	39,499	36,028	31,812	22,463	26,478	29,753	30,858
Missouri	7,261	7,435	4,069	5,178	2,591	2,759	2,479
Montana	649	570	434	402	361	341	416
Nebraska	961	1,344	257	389	150	103	88
Nevada	22,524	21,280	17,080	14,884	15,431	14,835	17,928
New Hampshire	4,147	2,854	3,009	3,609	749	1,145	2,196
New Jersey	40,703	31,226	24,677	24,493	24,328	20,351	22,939
New Mexico	8,917	7,423	6,235	6,183	6,245	5,938	6,811
New York	59,387	43,633	39,014	33,122	31,526	29,327	33,634
North Carolina	29,125	23,830	21,849	24,029	28,073	24,788	23,262
North Dakota	1,506	1,347	662	178	664	840	435
Ohio	22,526	17,446	11,314	16,532	18,262	19,433	19,989
Oklahoma	33,906	31,636	22,917	20,280	17,695	16,177	21,696
Oregon	10,409	7,931	3,311	3,049	7,267	9,347	10,372
Pennsylvania	56,797	46,717	35,525	32,992	36,829	33,779	36,590
Rhode Island	5,947	4,743	4,988	2,924	4,488	2,528	2,438
South Carolina	15,823	12,181	10,114	6,711	10,113	8,074	9,858
South Dakota	849	739	558	642	629	674	545
Tennessee	10,110	9,258	6,236	5,148	6,916	6,326	6,356
Texas	170,485	151,466	132,444	117,564	119,813	105,227	122,753
Utah	6,592	6,303	5,222	5,155	4,493	4,249	4,892
Vermont	1	--	2	*	1	--	*
Virginia	36,894	29,260	21,823	13,517	20,405	22,925	23,283
Washington	9,406	5,834	4,514	2,305	3,785	7,033	9,645
West Virginia	672	1,298	1,658	1,098	1,077	222	204
Wisconsin	13,658	11,634	9,701	9,626	13,359	10,355	10,265
Wyoming	205	169	223	135	161	37	32
<b>Total</b>	<b>1,139,968</b>	<b>970,308</b>	<b>804,431</b>	<b>718,893</b>	<b>744,765</b>	<b>689,800</b>	<b>773,954</b>

<sup>a</sup> 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.

<sup>b</sup> Revised data.

-- Not applicable.

\* Volume is less than 500 Mcf.

<sup>w</sup> 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							
	Total	December	November	October	September	August	July	June
Alabama	698,910	58,796	57,508	57,874	61,167	61,149	63,229	57,003
Alaska	NA	NA	6,193	5,055	5,142	5,630	5,339	4,217
Arizona	NA	35,279	30,164	35,133	40,524	43,399	42,155	NA
Arkansas	NA	26,501	26,591	28,833	23,481	27,017	27,111	25,341
California	NA	211,685	179,926	168,900	161,684	NA	188,258	144,413
Colorado	NA	53,325	42,147	31,007	21,990	22,683	24,266	NA
Connecticut	272,077	30,131	26,968	20,327	17,736	20,259	19,539	16,938
Delaware	NA	8,036	NA	8,274	6,869	7,875	NA	NA
District of Columbia	NA	4,031	3,344	1,825	985	1,213	1,077	1,158
Florida	NA	101,544	109,114	133,967	143,459	143,835	145,027	NA
Georgia	725,984	70,368	62,485	53,861	55,136	58,597	61,827	55,049
Hawaii	3,281	273	266	272	257	281	277	270
Idaho	103,004	13,830	11,545	7,567	7,269	6,544	6,788	5,510
Illinois	1,101,451	126,892	119,967	73,447	52,602	55,980	56,141	48,732
Indiana	NA	87,782	82,270	NA	49,344	54,641	57,518	53,064
Iowa	424,911	42,880	40,408	32,128	28,159	28,683	28,712	26,520
Kansas	270,386	29,502	26,374	17,855	15,454	16,946	18,742	17,246
Kentucky	320,833	30,666	31,621	23,659	20,995	21,141	20,796	17,893
Louisiana	NA	123,234	118,430	125,059	126,599	128,940	132,491	129,199
Maine	NA	4,464	4,462	4,542	3,190	NA	NA	3,097
Maryland	NA	30,484	26,111	21,426	17,528	18,330	17,280	14,955
Massachusetts	439,392	49,049	40,543	25,511	22,091	28,290	26,319	20,165
Michigan	NA	109,859	96,612	66,608	45,183	47,680	45,758	42,206
Minnesota	NA	55,304	48,332	32,216	24,769	24,525	25,256	22,349
Mississippi	544,802	37,564	41,330	37,575	46,063	51,628	51,156	45,582
Missouri	316,832	37,354	35,495	20,505	14,240	16,026	15,993	14,713
Montana	NA	9,635	8,165	6,054	4,095	3,917	3,733	3,698
Nebraska	171,670	18,609	17,023	12,909	10,249	9,230	10,897	9,319
Nevada	295,852	26,329	22,582	21,310	25,469	28,731	30,255	24,533
New Hampshire	48,987	4,168	4,521	4,678	3,400	5,227	5,231	4,167
New Jersey	NA	NA	NA	NA	NA	48,037	48,643	39,460
New Mexico	NA	NA	NA	12,311	12,236	13,779	13,806	12,997
New York	NA	145,958	130,890	87,435	72,803	86,732	84,057	NA
North Carolina	NA	56,365	54,622	45,528	42,450	46,830	50,014	41,905
North Dakota	NA	8,128	7,005	6,104	4,470	4,290	4,244	3,961
Ohio	1,071,056	134,498	112,441	76,735	55,430	59,322	58,009	54,287
Oklahoma	636,821	55,974	53,117	44,995	52,259	55,786	59,438	53,755
Oregon	NA	29,032	25,074	20,302	20,087	20,776	20,127	12,424
Pennsylvania	1,196,610	125,911	111,299	91,054	80,366	88,137	83,816	73,067
Rhode Island	92,593	9,443	7,773	7,895	6,741	7,199	6,851	5,803
South Carolina	NA	28,663	31,952	28,523	30,919	30,102	30,768	26,818
South Dakota	NA	8,540	7,491	6,062	5,404	5,197	5,241	4,756
Tennessee	NA	41,024	NA	27,675	25,595	25,827	25,661	23,842
Texas	NA	326,352	296,756	289,903	315,244	350,915	369,419	317,008
Utah	NA	28,943	22,930	16,620	12,161	13,911	14,257	11,266
Vermont	13,515	1,785	1,523	991	636	593	586	617
Virginia	NA	60,657	50,755	38,813	NA	49,660	51,105	NA
Washington	NA	32,922	24,920	23,029	21,811	21,701	22,220	16,636
West Virginia	NA	10,389	9,613	7,302	5,808	5,664	5,512	4,803
Wisconsin	543,599	59,991	54,294	39,610	31,039	32,648	32,076	27,067
Wyoming	NA	11,331	9,449	7,823	NA	5,646	5,540	5,000
<b>Total</b>	<b>27,402,138</b>	<b>2,733,376</b>	<b>2,464,691</b>	<b>2,059,361</b>	<b>1,949,430</b>	<b>2,094,946</b>	<b>2,132,948</b>	<b>1,851,922</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018					Total	2017	
	May	April	March	February	January		December	November
Alabama	R58,602	R54,593	R54,531	R46,883	R67,575	633,536	58,705	52,507
Alaska	4,231	5,165	7,405	7,496	8,135	67,102	7,777	7,037
Arizona	NA	NA	NA	NA	NA	308,987	25,781	19,193
Arkansas	R25,355	28,688	R29,316	R30,322	NA	306,547	34,479	21,990
California	139,102	R145,275	192,850	179,123	R195,398	2,048,294	209,200	167,614
Colorado	NA	NA	NA	NA	NA	355,187	47,843	32,413
Connecticut	14,915	21,438	27,151	25,234	31,441	232,737	28,386	22,629
Delaware	NA	NA	NA	NA	NA	98,913	9,367	7,332
District of Columbia	1,084	2,212	3,801	3,548	NA	29,055	5,148	2,408
Florida	R120,013	R112,901	R109,649	R97,657	R110,659	1,376,529	104,113	98,545
Georgia	R53,633	R48,665	R63,140	R55,695	R87,527	689,147	77,578	57,534
Hawaii	266	276	273	261	309	3,104	259	257
Idaho	5,089	6,724	9,648	10,709	11,781	104,810	13,771	9,941
Illinois	R55,346	97,499	118,702	130,933	165,211	969,718	143,381	99,160
Indiana	R58,721	69,062	R82,594	R81,419	NA	730,238	95,968	68,416
Iowa	28,156	37,050	40,324	42,377	49,515	378,999	45,445	35,968
Kansas	R18,665	R22,645	R23,926	28,852	R34,181	240,053	30,096	23,014
Kentucky	R20,920	24,607	32,219	29,689	46,628	274,656	35,789	26,722
Louisiana	R128,839	R116,872	R118,634	R116,497	NA	1,426,152	132,127	116,532
Maine	2,998	3,501	4,665	5,428	4,888	48,461	5,531	4,388
Maryland	NA	NA	NA	NA	35,173	215,283	33,267	22,801
Massachusetts	R20,665	R35,984	R51,556	R56,708	R62,512	441,202	60,043	37,900
Michigan	R54,126	R90,679	112,839	NA	134,291	848,731	124,966	86,103
Minnesota	NA	44,304	50,991	59,746	66,494	448,431	59,913	45,436
Mississippi	R46,696	44,187	R42,546	R41,234	R59,240	511,522	49,854	39,515
Missouri	15,980	24,566	32,362	40,619	48,979	253,061	39,768	25,416
Montana	4,326	6,221	NA	9,727	9,847	73,367	10,357	8,186
Nebraska	11,054	14,668	16,427	19,656	21,629	158,234	18,969	15,090
Nevada	20,196	20,387	24,697	24,399	26,963	291,219	27,143	21,494
New Hampshire	2,155	3,082	3,565	3,441	5,351	51,997	5,492	4,498
New Jersey	NA	NA	NA	NA	NA	703,505	95,136	57,581
New Mexico	12,478	12,326	15,822	14,549	17,377	144,797	17,116	11,383
New York	R70,869	R111,185	R142,375	R139,857	R175,515	1,230,272	162,415	110,597
North Carolina	R37,506	39,805	R57,983	R45,926	NA	507,118	60,558	46,758
North Dakota	NA	6,553	NA	7,642	8,048	66,201	8,187	6,406
Ohio	R55,592	92,247	R115,821	109,312	R147,362	900,058	132,665	94,369
Oklahoma	R55,160	47,925	R45,230	R53,683	R59,499	524,660	55,594	39,415
Oregon	10,408	16,963	25,247	NA	25,832	226,396	30,130	21,657
Pennsylvania	R66,820	R95,011	R126,654	R112,473	R142,002	1,025,040	119,724	92,549
Rhode Island	5,440	7,517	9,077	8,538	10,315	79,562	9,502	7,228
South Carolina	22,337	R21,418	NA	R20,214	R31,718	274,328	26,832	24,073
South Dakota	NA	NA	NA	8,641	9,384	74,907	8,717	6,885
Tennessee	21,920	29,338	NA	34,873	NA	318,011	42,617	28,586
Texas	R315,416	R274,808	R299,947	R293,452	NA	3,398,560	311,224	262,223
Utah	NA	14,135	R21,781	20,716	24,554	189,225	28,155	16,769
Vermont	612	1,235	1,511	1,469	1,958	11,922	1,747	1,257
Virginia	R40,915	R39,434	R58,482	R54,797	NA	567,057	62,562	49,634
Washington	15,068	22,452	NA	31,303	33,569	309,587	39,647	30,537
West Virginia	NA	8,400	10,702	9,659	13,542	94,497	12,036	9,256
Wisconsin	28,977	46,911	57,013	62,515	71,457	480,976	67,642	48,341
Wyoming	NA	7,471	8,437	9,032	8,901	82,336	9,258	7,329
<b>Total</b>	<b>R1,846,235</b>	<b>R2,133,236</b>	<b>R2,554,337</b>	<b>R2,499,879</b>	<b>R3,081,779</b>	<b>24,824,284</b>	<b>2,841,983</b>	<b>2,152,873</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017							
	October	September	August	July	June	May	April	March
Alabama	51,120	53,284	59,505	60,613	51,195	49,493	48,288	53,399
Alaska	5,747	4,408	4,540	4,327	3,327	3,611	4,538	7,108
Arizona	27,065	29,466	35,675	38,540	32,356	24,948	20,879	15,951
Arkansas	23,874	22,056	25,514	27,659	24,627	25,359	23,715	26,912
California	168,017	165,626	183,216	167,601	147,140	143,129	136,563	156,928
Colorado	25,884	19,771	21,291	22,248	19,040	23,360	27,374	30,709
Connecticut	15,209	13,453	16,036	16,071	13,297	13,235	16,255	25,424
Delaware	7,403	7,509	8,346	8,403	8,226	8,364	6,295	9,944
District of Columbia	1,506	1,205	1,206	1,222	1,278	1,622	1,795	3,717
Florida	121,395	125,040	141,640	138,404	123,194	124,599	108,787	107,284
Georgia	51,820	50,492	60,014	58,267	53,488	50,845	44,648	59,656
Hawaii	249	250	253	244	270	244	256	271
Idaho	8,950	6,498	6,001	6,188	5,120	5,844	7,245	8,952
Illinois	61,477	46,494	46,759	49,042	46,656	57,270	63,296	111,839
Indiana	52,073	48,404	47,049	48,033	43,858	45,350	51,729	75,599
Iowa	28,090	24,688	26,006	25,638	24,013	25,761	28,310	36,675
Kansas	16,578	15,283	16,853	18,430	15,666	14,480	17,271	21,421
Kentucky	18,529	17,218	18,816	20,641	18,255	18,179	19,348	27,395
Louisiana	123,403	118,419	125,642	124,012	118,370	116,680	112,748	116,954
Maine	3,422	3,450	3,547	3,824	3,341	3,238	3,684	4,957
Maryland	10,808	12,139	10,636	12,342	10,747	11,723	12,520	27,258
Massachusetts	24,547	22,926	26,633	26,242	25,133	28,267	34,077	55,593
Michigan	55,775	43,045	44,004	44,647	40,497	50,650	56,797	101,213
Minnesota	30,511	23,942	25,566	25,432	22,701	25,883	32,514	47,705
Mississippi	38,668	41,755	48,523	50,682	42,080	42,884	37,527	44,572
Missouri	14,056	13,189	13,132	13,900	12,764	13,817	15,304	26,265
Montana	6,371	4,266	3,691	3,465	3,012	3,474	4,993	6,781
Nebraska	11,290	8,945	9,294	10,884	8,778	10,291	11,592	15,168
Nevada	23,082	22,731	27,051	27,680	24,437	20,450	19,042	22,180
New Hampshire	3,048	4,408	4,550	3,942	3,606	3,307	5,476	5,007
New Jersey	44,492	38,167	39,526	45,873	43,761	44,096	48,294	87,199
New Mexico	10,681	9,823	10,924	12,343	11,255	10,071	9,536	11,134
New York	69,247	68,377	75,654	77,970	72,097	72,823	84,599	151,049
North Carolina	38,011	36,736	39,646	39,801	35,827	34,837	31,908	48,901
North Dakota	5,102	3,466	4,132	4,094	4,021	4,312	5,157	6,839
Ohio	57,973	49,278	50,545	49,665	46,100	53,118	56,698	101,096
Oklahoma	38,710	40,809	48,168	53,129	43,774	39,046	39,049	39,004
Oregon	20,801	16,130	17,619	15,743	10,063	10,610	13,365	16,941
Pennsylvania	79,557	70,996	71,103	74,476	64,582	61,436	65,571	108,014
Rhode Island	5,117	5,247	5,595	5,810	5,246	5,296	5,843	8,722
South Carolina	22,960	21,544	22,667	23,128	20,932	22,433	21,094	23,847
South Dakota	5,462	4,873	5,036	5,157	4,622	4,985	5,596	7,217
Tennessee	22,009	20,697	21,479	22,182	21,100	18,960	22,038	33,006
Texas	272,675	273,151	323,018	336,221	298,771	263,747	251,777	264,981
Utah	12,314	9,914	11,811	11,244	10,765	10,643	13,851	14,753
Vermont	679	589	561	533	485	679	854	1,562
Virginia	36,457	43,767	47,691	49,173	46,203	37,565	35,360	54,617
Washington	26,383	18,860	20,319	18,381	14,295	17,118	22,439	28,292
West Virginia	7,666	6,678	5,900	5,824	5,398	5,408	5,995	10,234
Wisconsin	33,934	27,042	28,987	29,148	23,918	27,096	32,142	52,868
Wyoming	6,419	5,019	5,033	4,887	4,995	6,172	6,748	8,207
<b>Total</b>	<b>1,846,618</b>	<b>1,741,521</b>	<b>1,916,404</b>	<b>1,943,403</b>	<b>1,734,683</b>	<b>1,716,805</b>	<b>1,750,781</b>	<b>2,331,317</b>

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				
	February	January	Total	December	November	October	September	August
Alabama	44,023	51,405	657,442	56,229	50,142	49,098	56,306	59,650
Alaska	6,317	8,365	66,244	8,236	7,263	5,708	4,284	3,624
Arizona	16,640	22,493	346,864	20,711	19,219	26,285	33,491	40,604
Arkansas	23,804	26,558	296,175	27,817	24,243	19,818	19,062	26,445
California	172,459	230,802	2,108,402	217,558	173,278	168,407	171,347	189,633
Colorado	34,486	50,767	354,036	48,093	29,725	21,022	17,151	19,706
Connecticut	23,889	28,853	243,618	27,095	21,341	16,616	15,162	17,471
Delaware	8,364	9,359	107,613	8,466	8,114	9,243	8,778	10,504
District of Columbia	3,377	4,569	27,987	4,224	2,596	1,316	956	992
Florida	88,431	95,097	1,363,599	93,522	92,004	111,434	122,388	134,141
Georgia	57,498	67,305	699,777	66,524	51,394	46,157	49,244	59,034
Hawaii	259	292	3,038	268	258	252	267	256
Idaho	10,682	15,617	100,701	14,718	8,280	7,195	6,813	7,021
Illinois	102,317	142,027	999,944	147,431	80,793	59,457	47,408	52,694
Indiana	67,304	86,454	744,918	91,896	61,099	45,894	45,236	49,930
Iowa	34,889	43,515	321,194	42,159	28,057	22,457	18,988	21,383
Kansas	20,858	30,105	233,473	31,660	18,746	14,011	13,872	17,500
Kentucky	23,571	30,194	260,708	31,721	21,120	16,707	15,565	17,924
Louisiana	103,637	117,629	1,439,796	120,944	112,264	111,926	116,316	122,541
Maine	4,181	4,898	52,476	4,109	3,526	4,114	3,763	5,462
Maryland	23,067	27,975	211,579	25,895	15,327	11,489	11,207	16,145
Massachusetts	46,521	53,319	419,448	50,315	32,838	25,040	23,309	30,155
Michigan	87,669	113,364	867,959	112,515	72,547	53,571	42,019	51,921
Minnesota	47,075	61,753	438,374	55,355	34,989	26,289	19,712	27,604
Mississippi	32,966	42,494	521,540	44,433	34,246	37,292	46,512	48,853
Missouri	25,902	39,548	260,601	39,957	19,699	13,079	13,071	14,742
Montana	8,018	10,754	67,011	10,110	6,799	5,218	3,906	3,423
Nebraska	16,189	21,745	156,916	20,390	13,702	10,815	9,561	11,694
Nevada	24,634	31,294	300,323	28,689	22,879	21,065	22,053	26,392
New Hampshire	3,976	4,686	57,765	5,711	5,400	3,620	4,928	5,509
New Jersey	70,997	88,382	756,833	86,360	54,218	49,463	46,989	58,902
New Mexico	12,867	17,664	155,021	17,608	12,939	10,978	10,345	11,326
New York	131,130	154,315	1,272,140	148,559	100,694	77,822	75,139	96,419
North Carolina	42,892	51,243	519,409	51,703	44,312	32,259	35,766	42,421
North Dakota	6,262	8,224	64,421	7,434	6,154	6,428	4,345	3,885
Ohio	91,837	116,713	897,048	113,779	77,338	54,740	47,202	51,579
Oklahoma	37,127	50,835	558,828	53,019	43,616	37,475	42,837	48,385
Oregon	21,366	31,971	231,055	31,942	19,098	17,451	19,838	19,872
Pennsylvania	99,298	117,733	1,072,102	121,330	92,607	74,230	71,165	82,039
Rhode Island	7,452	8,504	83,432	8,477	6,361	5,136	5,803	6,779
South Carolina	21,206	23,613	273,172	23,350	26,745	20,463	22,621	23,515
South Dakota	7,095	9,262	74,082	8,839	6,425	5,174	4,671	5,041
Tennessee	29,179	36,157	319,675	40,547	23,353	20,393	21,312	22,962
Texas	246,261	294,512	3,527,335	292,696	257,158	266,076	296,870	333,459
Utah	18,550	30,457	201,551	28,096	17,339	12,131	10,750	11,357
Vermont	1,382	1,594	11,959	1,619	1,102	831	596	575
Virginia	48,190	55,838	528,331	50,358	42,442	31,929	40,093	49,929
Washington	30,950	42,367	289,453	40,216	23,838	21,200	21,829	22,237
West Virginia	9,036	11,068	88,389	10,786	8,027	6,870	5,206	4,599
Wisconsin	47,205	62,651	478,626	61,918	36,869	26,981	23,371	29,775
Wyoming	8,329	9,939	79,775	10,003	7,434	6,274	4,986	5,223
<b>Total</b>	<b>2,151,615</b>	<b>2,696,281</b>	<b>25,212,159</b>	<b>2,665,391</b>	<b>1,979,957</b>	<b>1,748,897</b>	<b>1,774,412</b>	<b>2,023,229</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	60,786	56,417	52,165	45,414	52,232	54,608	64,396
Alaska	3,704	3,778	4,356	5,063	6,175	6,395	7,660
Arizona	41,072	36,228	26,217	25,567	22,214	24,125	31,130
Arkansas	25,793	26,965	22,950	22,188	27,261	24,062	29,571
California	175,135	162,945	145,157	144,618	162,754	174,197	223,373
Colorado	21,082	20,175	23,832	30,476	35,560	38,671	48,543
Connecticut	16,793	14,221	17,080	21,107	21,405	26,671	28,655
Delaware	11,006	9,088	7,617	8,678	8,680	8,433	9,006
District of Columbia	1,009	998	1,447	2,073	2,459	4,775	5,141
Florida	136,095	127,361	121,474	115,483	107,347	96,617	105,732
Georgia	60,677	57,356	53,101	52,685	56,885	67,243	79,477
Hawaii	246	242	239	258	250	246	257
Idaho	6,148	5,340	5,578	5,351	9,231	11,131	13,896
Illinois	56,561	46,464	54,860	76,116	98,353	128,247	151,561
Indiana	50,085	48,813	54,324	56,286	67,425	80,093	93,837
Iowa	20,404	19,145	21,192	22,888	28,997	34,683	40,842
Kansas	16,536	15,584	15,211	15,151	19,384	24,431	31,387
Kentucky	17,860	16,774	17,148	18,359	24,222	28,590	34,717
Louisiana	130,195	121,850	122,287	115,313	120,300	115,837	130,023
Maine	5,140	3,551	4,094	4,055	3,754	5,004	5,905
Maryland	15,594	9,865	12,680	15,811	19,870	26,982	30,715
Massachusetts	30,228	26,479	29,521	34,459	39,498	47,175	50,432
Michigan	46,709	43,592	55,178	79,238	87,032	107,023	116,614
Minnesota	25,641	23,830	27,447	36,311	43,567	54,432	63,197
Mississippi	50,639	47,771	43,599	34,078	38,750	45,385	49,982
Missouri	15,409	15,792	14,576	18,313	22,035	32,878	41,049
Montana	3,441	3,357	4,164	4,611	6,290	6,873	8,819
Nebraska	11,084	10,429	9,689	11,125	12,952	15,961	19,513
Nevada	27,115	26,162	22,893	21,472	23,474	25,494	32,635
New Hampshire	5,079	3,846	4,373	5,666	3,329	4,399	5,905
New Jersey	60,273	50,907	48,812	58,705	67,513	80,050	94,640
New Mexico	12,026	10,853	10,336	11,162	13,229	15,175	19,043
New York	90,974	77,027	83,430	100,622	115,411	143,852	162,191
North Carolina	40,519	35,323	34,844	39,726	46,701	55,682	60,153
North Dakota	4,147	4,606	4,269	4,057	5,593	6,242	7,260
Ohio	50,136	46,205	49,902	72,736	85,031	114,458	133,943
Oklahoma	52,402	50,340	44,161	41,277	42,213	44,300	58,803
Oregon	16,533	14,403	10,777	11,726	19,837	22,433	27,145
Pennsylvania	80,239	71,414	67,464	78,262	91,864	112,995	128,493
Rhode Island	7,004	5,963	6,982	6,136	8,439	7,873	8,480
South Carolina	24,182	20,952	19,683	17,373	21,786	24,033	28,467
South Dakota	4,746	4,658	5,043	6,080	6,770	7,766	8,869
Tennessee	22,376	21,878	19,804	20,683	26,746	36,150	43,470
Texas	328,972	298,407	279,180	269,291	289,057	285,885	330,283
Utah	12,399	11,910	13,340	15,995	18,125	22,264	27,844
Vermont	584	574	663	1,073	1,122	1,490	1,730
Virginia	48,466	41,696	35,152	31,321	42,386	53,844	60,715
Washington	19,605	16,373	16,340	15,916	24,887	29,006	38,006
West Virginia	4,818	5,078	5,695	6,828	8,539	10,025	11,918
Wisconsin	28,226	27,199	29,547	40,041	50,110	57,895	66,696
Wyoming	5,143	4,940	6,012	6,277	7,422	7,467	8,596
<b>Total</b>	<b>2,001,036</b>	<b>1,825,125</b>	<b>1,785,885</b>	<b>1,903,501</b>	<b>2,164,467</b>	<b>2,459,545</b>	<b>2,880,714</b>

<sup>a</sup> Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

<sup>R</sup> Revised data.

<sup>NA</sup> 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							
	Total	December	November	October	September	August	July	June
Alabama	NA	4.80	3.87	4.06	3.71	3.70	3.81	3.93
Alaska	7.34	6.91	6.91	6.73	6.58	6.34	6.39	6.43
Arizona	NA	3.02	3.39	2.87	2.67	NA	3.04	3.23
Arkansas	4.42	4.80	4.46	4.77	5.67	5.81	6.20	5.85
California	NA	NA	3.31	2.73	3.24	NA	NA	2.67
Colorado	3.63	4.05	3.97	3.45	4.38	4.40	4.09	4.04
Connecticut	5.55	5.88	5.30	5.92	7.99	7.94	7.92	7.94
Delaware	NA	5.03	5.44	NA	10.97	10.35	10.70	9.50
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	7.29	7.79	7.17	7.11	7.00	7.21	6.48
Georgia	4.03	5.35	4.13	4.03	3.91	3.74	3.99	3.87
Hawaii	19.63	16.51	18.18	21.26	20.04	18.48	20.03	20.87
Idaho	NA	2.93	2.70	2.17	2.49	2.15	2.07	NA
Illinois	3.69	3.89	4.06	3.70	3.58	4.27	3.43	3.46
Indiana	3.87	3.98	3.96	3.83	4.21	4.83	4.67	4.57
Iowa	4.11	4.83	4.55	3.92	4.34	4.47	3.77	4.00
Kansas	4.21	4.69	3.94	4.45	7.03	5.44	5.05	5.60
Kentucky	3.88	4.44	3.81	3.74	3.57	3.51	3.48	3.47
Louisiana	4.00	4.47	4.33	3.93	3.69	3.50	3.70	3.64
Maine	8.00	9.87	8.18	5.09	6.37	7.06	6.92	6.51
Maryland	NA	NA	4.69	5.52	6.49	6.41	7.16	6.26
Massachusetts	NA	6.35	5.32	5.65	10.28	NA	10.96	9.51
Michigan	3.48	4.16	3.50	3.34	3.17	3.12	3.15	3.14
Minnesota	NA	5.02	4.64	4.13	4.32	NA	3.65	4.31
Mississippi	4.24	5.13	4.79	4.24	3.69	3.45	3.76	3.84
Missouri	4.40	4.91	4.25	4.60	6.60	7.20	7.02	6.61
Montana	NA	3.26	2.75	2.27	NA	3.13	2.70	2.86
Nebraska	4.08	4.88	4.41	3.79	4.07	4.53	4.26	4.24
Nevada	3.99	5.65	4.70	3.65	3.70	3.01	3.40	3.48
New Hampshire	NA	7.29	6.86	4.93	8.57	9.77	9.35	NA
New Jersey	4.63	4.79	4.69	4.55	4.69	4.96	4.12	4.65
New Mexico	3.05	3.42	2.82	2.54	2.77	3.25	2.93	3.00
New York	4.71	4.55	4.71	5.04	8.30	8.49	8.04	7.08
North Carolina	4.13	4.78	4.33	4.59	5.65	5.75	6.07	5.78
North Dakota	NA	4.91	4.15	3.39	NA	NA	3.20	NA
Ohio	NA	NA	NA	NA	3.34	2.86	NA	NA
Oklahoma	NA	NA	3.53	4.01	4.27	4.41	5.02	4.52
Oregon	3.90	3.44	4.17	3.94	5.01	5.53	5.85	4.74
Pennsylvania	NA	5.14	4.83	4.68	7.17	NA	6.28	5.98
Rhode Island	2.37	2.55	2.49	2.46	2.43	2.41	2.39	2.35
South Carolina	NA	5.33	NA	4.30	4.15	4.09	4.13	4.16
South Dakota	NA	4.83	4.20	3.59	NA	4.68	4.09	NA
Tennessee	4.11	4.77	4.20	3.93	4.12	3.86	4.13	3.97
Texas	NA	4.61	4.62	4.90	4.96	4.75	4.74	4.71
Utah	NA	5.92	4.53	4.05	3.62	3.29	NA	3.86
Vermont	4.64	4.90	4.56	4.18	4.08	4.07	3.97	3.77
Virginia	NA	5.00	4.69	5.50	6.22	6.37	6.09	5.95
Washington	NA	NA	NA	3.48	3.63	3.36	3.64	3.66
West Virginia	NA	4.10	3.71	4.39	5.36	5.72	NA	5.01
Wisconsin	4.19	4.75	4.28	3.99	4.79	4.55	4.41	4.62
Wyoming	3.70	4.09	3.56	3.21	3.24	3.39	3.20	2.93
<b>Total</b>	<b>4.21</b>	<b>4.74</b>	<b>4.29</b>	<b>4.10</b>	<b>4.71</b>	<b>4.84</b>	<b>4.69</b>	<b>4.46</b>

See footnotes at end of table.

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

State	2018					2017		
	May	April	March	February	January	Total	December	November
Alabama	3.81	3.57	3.48	NA	3.37	3.80	3.42	3.62
Alaska	7.02	6.76	8.00	8.25	8.24	7.03	6.94	7.02
Arizona	2.88	3.01	4.18	4.25	4.49	4.36	4.36	5.06
Arkansas	4.47	4.47	4.03	3.98	3.85	4.70	3.79	4.56
California	2.34	2.42	2.76	3.12	2.91	3.45	3.66	3.24
Colorado	3.51	3.04	3.31	3.40	3.38	3.90	3.44	3.88
Connecticut	7.10	4.72	4.10	5.04	4.85	4.44	3.70	3.71
Delaware	8.13	5.40	4.34	4.52	5.18	5.60	4.46	5.19
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.76	NA	6.47	7.85	5.65	5.77	5.60	6.41
Georgia	3.79	3.59	3.62	4.56	3.48	4.15	3.91	3.80
Hawaii	22.70	21.03	19.73	18.34	18.74	16.62	17.11	18.23
Idaho	2.39	NA	2.87	2.85	2.67	2.90	2.72	2.90
Illinois	4.16	3.33	3.30	3.35	3.91	3.76	3.59	3.55
Indiana	4.35	3.25	3.61	3.79	3.97	3.85	3.55	3.71
Iowa	3.93	3.44	3.61	4.13	4.06	4.30	4.96	3.90
Kansas	5.82	3.64	3.84	3.72	3.71	4.51	3.83	4.24
Kentucky	3.86	3.64	3.89	4.08	3.77	3.92	3.74	3.84
Louisiana	3.70	3.72	3.94	4.30	4.17	4.02	4.06	3.92
Maine	6.09	5.39	6.40	8.95	10.35	6.50	7.90	4.99
Maryland	6.61	4.59	3.90	4.55	4.64	4.73	4.10	4.27
Massachusetts	6.47	5.35	4.69	3.59	9.36	5.28	5.24	4.60
Michigan	3.27	3.05	3.32	3.69	3.38	3.57	3.56	3.47
Minnesota	3.16	3.12	3.62	3.92	3.74	4.24	5.61	3.72
Mississippi	3.86	3.72	3.92	4.48	4.02	4.39	4.03	4.55
Missouri	6.36	3.93	3.71	3.90	3.72	4.63	3.73	4.11
Montana	NA	2.94	NA	3.29	3.39	3.28	3.20	3.22
Nebraska	3.92	3.10	3.74	3.96	4.04	4.31	4.74	3.95
Nevada	3.08	3.34	3.20	3.63	3.76	4.13	3.47	4.18
New Hampshire	6.11	4.38	5.01	7.91	9.96	5.86	6.87	4.82
New Jersey	4.15	4.29	4.34	4.55	5.05	4.27	4.08	3.93
New Mexico	2.45	2.41	3.08	3.32	3.17	3.51	3.15	3.41
New York	6.08	3.56	3.19	3.41	5.75	4.29	3.90	4.17
North Carolina	5.20	3.87	3.26	3.88	3.46	3.92	3.02	3.54
North Dakota	NA	2.88	NA	4.15	4.24	4.28	4.36	4.17
Ohio	NA	3.45	3.56	NA	3.66	3.96	4.22	3.89
Oklahoma	3.66	3.44	3.60	3.69	3.61	4.52	3.96	4.51
Oregon	4.88	3.54	3.43	3.47	3.61	3.90	3.44	3.76
Pennsylvania	6.13	3.74	4.09	4.19	3.85	4.26	3.64	4.00
Rhode Island	2.35	2.33	2.32	2.32	2.25	2.22	2.22	2.20
South Carolina	4.20	4.21	3.90	4.22	4.21	4.13	3.81	3.88
South Dakota	NA	2.91	NA	4.17	3.91	4.39	5.60	4.11
Tennessee	3.83	3.58	3.81	4.18	4.08	4.09	3.88	3.98
Texas	4.54	NA	5.29	5.42	5.39	4.80	4.94	5.32
Utah	4.64	5.52	5.54	6.35	5.77	5.30	5.76	5.78
Vermont	3.86	4.61	4.75	5.15	5.29	5.03	5.07	4.70
Virginia	5.68	4.60	3.62	NA	4.45	4.53	3.92	4.00
Washington	3.29	3.00	3.01	3.28	3.19	3.51	3.21	3.32
West Virginia	4.12	3.47	3.40	3.89	3.36	3.86	3.52	3.61
Wisconsin	4.04	3.44	3.75	4.36	4.04	4.24	3.90	4.25
Wyoming	3.05	3.64	3.84	4.01	3.86	3.92	3.83	4.01
<b>Total</b>	<b>4.12</b>	<b>3.64</b>	<b>3.71</b>	<b>3.99</b>	<b>4.29</b>	<b>4.16</b>	<b>4.00</b>	<b>3.97</b>

See footnotes at end of table.

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

State	2017							
	October	September	August	July	June	May	April	March
Alabama	3.77	3.67	3.90	4.02	3.96	4.02	3.73	3.66
Alaska	6.59	6.29	5.83	5.76	5.69	6.02	6.96	7.42
Arizona	3.87	3.93	4.01	4.14	4.14	3.75	3.98	4.95
Arkansas	5.40	6.30	6.67	6.72	6.85	5.73	5.83	4.35
California	2.95	3.09	3.22	3.47	3.55	3.38	3.31	3.15
Colorado	3.96	5.10	4.65	5.09	4.68	3.98	3.66	3.65
Connecticut	4.22	5.66	5.79	6.08	6.58	5.85	4.97	3.53
Delaware	8.31	10.40	10.64	10.42	9.94	7.65	6.85	4.26
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.32	5.62	5.09	5.77	5.16	5.24	6.21	5.70
Georgia	4.08	4.23	4.04	4.20	4.28	4.18	4.29	3.72
Hawaii	16.69	17.18	17.63	16.17	15.06	16.46	16.05	17.38
Idaho	2.24	2.27	2.41	2.47	3.29	3.04	2.71	3.31
Illinois	3.46	4.20	4.13	3.76	3.63	3.48	4.15	4.06
Indiana	3.68	4.34	4.74	4.97	4.87	4.28	4.25	3.72
Iowa	3.71	3.83	3.87	4.08	4.52	4.10	4.36	4.08
Kansas	5.08	6.26	5.72	5.39	6.61	5.86	4.81	3.99
Kentucky	3.66	3.70	3.41	3.59	3.73	4.05	4.46	3.83
Louisiana	3.91	3.84	3.85	3.99	4.37	4.08	3.94	3.96
Maine	6.17	5.66	6.09	7.67	5.46	5.00	5.30	5.54
Maryland	5.36	6.79	6.83	6.96	7.19	6.25	6.06	4.05
Massachusetts	6.28	8.86	9.24	9.61	9.04	6.38	5.46	4.06
Michigan	3.35	3.10	3.09	3.10	3.35	3.43	3.78	3.48
Minnesota	3.46	3.17	4.33	4.46	4.49	3.80	3.51	3.77
Mississippi	4.45	4.49	4.62	4.66	4.78	4.59	3.95	3.88
Missouri	5.02	7.09	7.68	7.26	7.15	5.86	5.15	4.07
Montana	2.47	2.35	3.41	2.90	3.30	3.61	3.47	3.54
Nebraska	3.71	4.63	4.45	4.17	5.07	4.20	4.02	3.87
Nevada	3.73	4.01	4.39	4.50	4.52	4.13	4.40	4.05
New Hampshire	5.29	8.23	7.41	8.42	5.39	5.50	4.64	4.37
New Jersey	3.60	3.71	4.37	4.61	4.73	4.56	4.26	4.32
New Mexico	3.22	3.41	3.60	3.59	3.61	3.43	3.31	3.35
New York	5.11	7.08	7.11	7.37	7.02	6.00	4.24	3.27
North Carolina	4.42	5.09	5.41	5.83	5.87	5.28	4.91	3.36
North Dakota	4.23	4.38	4.03	3.92	4.35	3.99	4.11	3.88
Ohio	3.57	4.13	3.93	3.89	3.82	3.80	3.87	3.64
Oklahoma	4.84	6.16	5.95	5.87	5.90	5.44	4.64	4.22
Oregon	3.75	4.69	5.97	5.71	5.08	4.56	3.90	3.59
Pennsylvania	4.47	6.06	6.36	6.69	6.67	5.36	4.85	3.86
Rhode Island	2.21	2.29	2.34	2.37	2.41	2.36	2.30	2.20
South Carolina	3.93	4.13	3.99	4.14	4.25	4.27	4.47	3.98
South Dakota	3.80	4.42	4.36	4.40	4.60	3.77	3.90	3.79
Tennessee	4.00	4.20	4.17	4.49	4.28	4.07	4.40	3.91
Texas	4.96	4.47	4.09	4.19	4.28	4.59	4.43	4.85
Utah	4.95	3.85	3.70	3.69	4.90	4.79	4.78	5.94
Vermont	4.56	4.48	4.44	4.31	4.74	4.69	5.26	4.98
Virginia	4.99	6.26	7.41	7.24	6.71	5.68	5.47	4.03
Washington	2.79	3.93	4.78	4.21	4.18	4.26	3.64	3.04
West Virginia	3.88	4.89	5.87	5.58	6.37	4.87	4.26	3.32
Wisconsin	4.21	4.59	4.55	4.76	5.24	4.24	4.08	3.82
Wyoming	3.82	3.45	3.82	3.98	3.79	3.24	3.71	3.89
<b>Total</b>	<b>4.03</b>	<b>4.52</b>	<b>4.61</b>	<b>4.73</b>	<b>4.82</b>	<b>4.42</b>	<b>4.20</b>	<b>3.84</b>

See footnotes at end of table.

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

State	2017							2016
	February	January	Total	December	November	October	September	August
Alabama	4.18	4.03	3.44	3.78	3.85	4.20	3.89	3.89
Alaska	7.54	7.99	6.79	7.29	6.82	7.10	6.58	6.19
Arizona	4.71	4.37	4.07	4.74	4.91	4.09	3.92	3.86
Arkansas	4.37	4.17	4.29	3.83	4.37	6.02	5.69	6.22
California	3.59	3.87	2.96	3.64	3.30	3.51	3.56	3.29
Colorado	3.91	3.92	3.56	3.61	3.88	4.73	5.27	4.81
Connecticut	4.45	4.45	3.57	3.90	3.31	3.13	4.29	4.20
Delaware	4.62	4.34	4.91	4.28	4.17	6.15	8.20	8.50
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.96	6.09	4.04	5.47	4.92	4.45	4.13	3.92
Georgia	4.43	4.69	3.67	4.08	4.04	4.26	4.30	4.01
Hawaii	16.20	15.34	13.81	14.75	12.93	15.07	14.06	13.33
Idaho	3.14	3.17	3.21	3.16	3.29	3.18	3.29	2.69
Illinois	3.56	3.95	3.38	3.63	3.38	4.25	5.19	4.66
Indiana	3.89	3.81	3.58	3.84	3.63	4.26	4.80	4.92
Iowa	4.42	4.51	3.77	4.04	4.14	4.18	4.47	3.91
Kansas	4.18	4.24	4.02	3.75	4.43	6.27	6.65	5.63
Kentucky	4.19	4.16	3.35	3.77	3.53	3.63	3.45	3.26
Louisiana	4.37	3.91	3.65	4.18	4.23	3.98	4.07	3.85
Maine	7.58	7.36	6.41	6.33	6.25	4.23	5.17	4.64
Maryland	4.69	4.43	4.18	3.96	4.20	5.42	7.54	7.65
Massachusetts	4.53	4.66	4.49	4.61	4.16	5.36	8.26	6.95
Michigan	3.71	3.84	3.57	3.54	3.65	3.53	3.35	3.08
Minnesota	4.23	4.30	3.71	4.05	4.17	3.71	4.38	4.28
Mississippi	4.20	5.02	3.78	4.77	4.14	4.17	3.90	3.79
Missouri	4.45	4.21	4.22	3.96	4.31	6.21	6.64	6.96
Montana	3.56	3.46	3.05	2.87	3.17	3.33	3.45	3.34
Nebraska	4.71	4.30	3.75	3.67	3.99	4.19	3.65	3.90
Nevada	4.34	4.46	3.73	4.18	3.70	4.10	4.45	4.76
New Hampshire	6.07	6.59	5.30	5.32	4.60	3.80	5.34	4.73
New Jersey	4.48	4.52	3.93	4.14	3.94	3.75	4.02	3.75
New Mexico	3.82	3.93	3.05	3.77	3.22	3.62	3.46	3.39
New York	3.64	3.85	3.57	3.85	3.42	3.61	6.30	6.85
North Carolina	3.72	3.87	3.44	3.72	3.33	4.43	4.76	4.83
North Dakota	4.53	4.58	3.88	4.10	4.64	4.51	4.52	4.18
Ohio	4.08	4.09	3.27	3.62	3.43	3.09	2.43	2.56
Oklahoma	4.26	4.46	3.98	4.04	4.00	5.03	5.29	5.39
Oregon	3.59	3.69	4.15	3.77	4.03	4.40	5.96	5.33
Pennsylvania	4.20	4.07	3.72	3.72	4.08	3.98	5.92	5.57
Rhode Island	2.18	2.12	2.12	1.99	1.96	1.96	2.01	2.03
South Carolina	4.43	4.47	3.64	4.44	3.66	4.01	3.94	3.75
South Dakota	4.38	4.35	3.65	3.92	4.25	4.20	4.73	4.82
Tennessee	4.16	4.24	3.42	3.73	3.90	4.26	3.99	3.64
Texas	5.14	5.28	4.09	5.36	5.10	4.93	4.16	4.00
Utah	5.97	5.37	5.15	5.35	5.00	4.82	3.86	3.24
Vermont	5.69	5.67	5.13	5.11	4.74	4.08	4.21	4.22
Virginia	4.15	3.90	3.99	3.68	3.87	5.37	6.50	7.04
Washington	3.47	3.77	3.66	3.58	4.14	4.20	4.85	4.35
West Virginia	3.68	3.63	3.46	3.30	3.45	3.73	5.14	5.08
Wisconsin	4.39	4.46	3.81	3.88	4.23	4.37	4.93	4.18
Wyoming	4.23	4.27	3.53	4.00	3.48	3.76	3.46	3.38
<b>Total</b>	<b>4.13</b>	<b>4.21</b>	<b>3.71</b>	<b>3.96</b>	<b>3.90</b>	<b>4.19</b>	<b>4.60</b>	<b>4.33</b>

See footnotes at end of table.

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

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

<sup>R</sup> Revised data.

-- Not applicable.

<sup>NA</sup> 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							
	Total	December	November	October	September	August	July	June
Alabama	15.15	13.72	15.47	21.79	22.08	21.90	21.93	21.00
Alaska	11.00	10.18	10.39	11.02	12.23	13.06	13.77	12.73
Arizona	NA	12.28	14.16	18.44	20.97	NA	22.69	21.27
Arkansas	11.65	9.93	10.21	16.74	20.97	21.64	21.08	19.74
California	NA	13.08	11.93	12.16	12.30	NA	12.36	12.14
Colorado	7.67	6.25	6.65	7.93	13.17	14.61	17.24	14.43
Connecticut	NA	13.45	13.18	16.50	22.39	23.72	22.33	19.93
Delaware	NA	10.84	12.89	20.85	NA	24.29	23.32	20.31
District of Columbia	11.83	11.25	12.09	16.83	20.98	19.11	18.51	14.51
Florida	21.56	19.63	23.82	27.03	26.09	27.70	26.56	24.53
Georgia	14.84	11.68	12.27	23.01	29.61	29.63	27.63	27.65
Hawaii	43.48	42.94	43.42	48.05	47.36	43.50	45.44	41.62
Idaho	NA	5.91	6.10	6.99	9.31	10.33	10.35	9.55
Illinois	8.16	7.30	6.92	9.84	17.47	19.09	18.98	15.17
Indiana	NA	8.16	7.77	10.65	NA	19.42	20.19	18.83
Iowa	8.93	8.37	8.72	12.29	18.67	18.83	19.70	15.09
Kansas	NA	NA	7.72	12.31	18.84	22.61	21.99	18.46
Kentucky	NA	9.07	9.08	13.51	NA	24.87	25.01	24.49
Louisiana	NA	9.85	11.76	16.90	16.62	17.41	16.97	15.97
Maine	NA	16.80	14.52	15.73	23.71	24.72	25.84	20.22
Maryland	11.75	11.78	11.13	14.17	20.80	21.01	19.57	18.38
Massachusetts	NA	15.16	13.40	13.28	16.02	16.56	15.82	14.57
Michigan	8.19	7.78	7.43	8.25	12.34	13.39	13.52	13.49
Minnesota	NA	8.72	7.88	8.85	12.31	14.97	15.40	12.97
Mississippi	10.22	9.52	10.38	16.41	16.67	17.72	17.53	16.68
Missouri	10.26	9.16	9.76	16.75	23.40	24.89	24.11	22.21
Montana	NA	6.72	6.97	7.76	10.50	11.60	10.20	9.11
Nebraska	NA	8.23	8.66	11.38	17.44	17.81	NA	15.72
Nevada	9.24	7.46	8.49	11.01	13.47	14.46	13.86	12.72
New Hampshire	15.35	15.45	14.83	18.70	22.78	22.73	21.07	17.88
New Jersey	9.11	9.14	9.51	9.91	12.05	12.66	12.11	11.30
New Mexico	NA	7.65	NA	10.65	13.45	13.09	12.79	11.23
New York	12.38	11.66	12.18	17.16	20.16	20.83	20.11	19.32
North Carolina	NA	11.03	10.82	17.24	NA	NA	NA	NA
North Dakota	7.20	6.48	6.59	8.21	17.48	21.42	20.79	15.45
Ohio	9.14	8.00	8.27	12.62	25.54	27.80	26.49	25.45
Oklahoma	9.22	6.28	9.24	19.57	25.14	26.63	25.69	22.84
Oregon	10.81	9.83	9.79	11.33	14.07	16.88	15.10	14.21
Pennsylvania	NA	NA	10.32	13.23	19.34	20.44	19.76	17.96
Rhode Island	NA	14.87	16.25	20.36	NA	NA	27.60	20.69
South Carolina	NA	10.89	10.59	20.65	27.98	26.56	29.36	NA
South Dakota	NA	7.31	7.92	8.88	15.04	15.86	14.73	11.80
Tennessee	NA	8.25	8.77	14.77	18.96	NA	19.68	18.42
Texas	NA	8.69	10.75	16.96	22.08	NA	21.64	20.20
Utah	NA	7.58	7.50	8.67	10.23	10.44	10.24	10.26
Vermont	13.41	12.24	13.27	16.70	21.78	23.26	21.61	18.72
Virginia	11.67	11.33	11.89	15.93	19.64	20.61	20.51	18.27
Washington	10.28	8.73	9.10	10.60	13.27	15.81	14.98	13.36
West Virginia	NA	8.96	9.22	10.96	17.79	18.80	18.19	17.75
Wisconsin	8.05	8.25	7.53	7.89	12.55	14.53	14.06	12.39
Wyoming	8.62	7.04	7.95	10.45	16.81	17.53	16.18	13.11
<b>Total</b>	<b>10.52</b>	<b>9.63</b>	<b>9.43</b>	<b>12.26</b>	<b>17.32</b>	<b>18.63</b>	<b>17.92</b>	<b>16.51</b>

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		
	May	April	March	February	January	Total	December	November
Alabama	17.27	15.07	15.29	14.15	13.38	16.11	14.72	16.97
Alaska	11.85	11.29	10.77	10.62	10.59	10.52	10.66	10.65
Arizona	19.20	16.78	14.22	13.97	13.76	15.78	14.43	17.54
Arkansas	14.02	11.47	12.06	10.82	10.08	12.97	11.81	12.80
California	12.42	11.60	12.26	12.09	12.11	12.49	11.76	11.41
Colorado	10.47	7.40	7.31	6.60	6.59	8.08	6.84	7.39
Connecticut	NA	13.17	12.75	12.69	12.02	13.95	11.94	13.42
Delaware	14.91	12.22	11.64	11.84	NA	12.84	12.44	14.34
District of Columbia	12.42	10.79	11.32	11.32	10.31	12.53	10.47	13.14
Florida	23.12	20.48	20.07	18.77	18.08	21.15	19.69	22.42
Georgia	21.53	14.10	13.01	12.42	10.55	16.93	11.23	14.39
Hawaii	44.49	42.51	42.16	42.05	39.90	38.88	39.57	39.91
Idaho	9.17	7.70	7.08	NA	7.33	7.65	6.82	7.15
Illinois	12.61	7.57	7.25	6.91	6.66	8.83	6.81	7.47
Indiana	15.37	8.06	7.55	7.99	6.90	8.94	6.56	7.77
Iowa	10.94	7.89	8.11	7.84	7.35	9.30	8.52	9.68
Kansas	15.30	11.89	10.04	8.89	8.69	10.95	9.02	8.98
Kentucky	18.47	9.65	9.21	9.68	8.53	11.62	9.03	10.65
Louisiana	13.37	12.33	NA	9.92	8.72	13.04	10.76	13.25
Maine	17.01	15.58	NA	16.46	14.65	14.61	13.59	14.14
Maryland	14.33	10.31	9.79	11.85	10.40	12.97	11.46	12.12
Massachusetts	16.69	17.69	NA	16.21	14.22	13.32	13.78	12.74
Michigan	11.94	7.93	7.60	7.74	7.41	8.38	7.30	7.66
Minnesota	NA	7.75	NA	8.72	7.84	8.47	7.91	7.73
Mississippi	12.91	9.99	10.78	9.08	7.68	11.83	9.72	11.40
Missouri	13.57	9.69	9.42	8.56	8.11	11.78	9.87	12.26
Montana	7.71	7.11	NA	6.95	7.00	7.62	7.42	7.47
Nebraska	10.00	7.70	7.71	7.41	6.94	9.01	7.91	8.69
Nevada	11.55	9.92	8.24	8.15	8.12	8.82	8.26	9.97
New Hampshire	16.60	15.68	15.51	13.93	13.28	14.55	14.36	16.92
New Jersey	9.26	7.74	8.76	8.63	8.87	9.14	9.53	10.00
New Mexico	9.32	7.94	7.28	7.06	7.08	9.22	8.05	9.02
New York	14.20	11.29	12.10	11.23	9.51	12.04	10.52	13.07
North Carolina	20.40	13.12	10.40	13.44	9.72	13.29	10.70	11.93
North Dakota	8.71	6.49	6.09	5.95	5.85	7.64	6.05	6.47
Ohio	14.97	8.10	7.30	7.61	6.45	9.72	7.02	8.78
Oklahoma	12.34	9.00	7.97	7.37	6.72	11.40	8.65	11.14
Oregon	13.66	11.10	9.85	9.81	10.85	10.59	9.77	10.43
Pennsylvania	14.14	10.80	10.45	10.86	10.02	11.40	10.38	11.33
Rhode Island	17.80	16.34	14.83	13.45	13.13	14.02	14.01	15.34
South Carolina	NA	13.49	10.57	15.91	NA	14.57	11.48	12.83
South Dakota	8.05	6.98	NA	6.89	6.86	8.18	7.55	7.66
Tennessee	11.80	9.10	9.03	8.74	7.89	10.31	8.66	10.32
Texas	16.22	12.92	11.17	9.61	8.84	13.61	11.91	14.66
Utah	9.44	NA	NA	10.08	9.40	9.05	9.76	9.14
Vermont	14.02	12.31	12.93	11.80	12.37	14.12	13.22	15.43
Virginia	14.22	10.95	9.38	11.63	10.04	12.34	10.54	11.89
Washington	12.99	10.34	9.93	9.62	10.18	10.62	9.66	10.22
West Virginia	NA	9.63	9.27	9.27	8.94	9.43	9.00	9.41
Wisconsin	10.22	6.93	7.33	7.65	7.38	8.40	7.51	7.87
Wyoming	9.63	8.51	7.88	7.49	7.67	9.01	7.97	8.45
<b>Total</b>	<b>13.64</b>	<b>10.04</b>	<b>9.78</b>	<b>9.63</b>	<b>8.91</b>	<b>10.91</b>	<b>9.29</b>	<b>10.15</b>

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							
	October	September	August	July	June	May	April	March
Alabama	22.17	22.63	22.97	22.15	21.14	20.57	16.19	14.51
Alaska	11.17	12.13	13.39	13.72	12.79	11.00	10.23	9.58
Arizona	20.10	22.25	23.41	22.74	20.48	18.19	16.82	15.32
Arkansas	19.52	20.36	21.39	20.16	18.25	15.66	14.02	12.52
California	12.10	12.28	12.53	12.55	13.14	12.96	12.51	12.41
Colorado	8.44	12.16	13.78	14.70	12.67	9.17	8.04	7.92
Connecticut	19.83	21.74	22.65	22.04	18.83	16.62	13.81	12.30
Delaware	22.06	22.02	24.65	22.84	18.85	16.02	12.07	11.34
District of Columbia	18.88	19.33	21.24	18.15	16.92	16.24	12.27	11.67
Florida	24.92	24.47	26.57	25.36	24.01	22.19	19.77	19.42
Georgia	22.07	31.00	32.32	32.42	29.52	27.26	18.21	13.69
Hawaii	39.77	39.98	40.28	39.99	37.63	39.21	38.06	38.69
Idaho	7.43	9.46	10.87	11.26	10.46	8.32	8.02	8.08
Illinois	10.49	16.81	17.86	16.90	15.32	11.11	10.22	7.95
Indiana	10.47	17.64	20.65	20.06	19.15	11.89	11.67	7.74
Iowa	13.37	18.63	17.36	17.65	14.96	10.83	8.95	7.71
Kansas	14.20	21.05	22.57	21.69	19.45	18.15	12.84	10.01
Kentucky	14.80	22.54	24.81	24.49	23.98	18.07	13.70	10.39
Louisiana	16.52	16.49	17.30	16.44	15.43	14.89	13.56	12.71
Maine	18.92	23.14	24.48	23.45	17.86	14.97	14.11	13.03
Maryland	18.42	20.14	21.61	20.23	18.91	16.53	14.62	10.86
Massachusetts	12.26	15.45	15.95	15.46	13.48	13.63	13.22	12.90
Michigan	9.50	12.19	13.79	14.46	13.24	9.89	9.22	7.77
Minnesota	8.93	11.95	13.40	13.36	12.48	9.69	8.44	7.63
Mississippi	16.62	18.00	18.07	17.37	16.11	15.02	12.82	10.64
Missouri	22.34	25.33	27.73	26.50	21.51	15.45	12.35	10.48
Montana	8.21	10.53	11.64	10.99	9.59	8.08	7.51	7.38
Nebraska	14.15	17.19	17.53	16.79	14.15	10.36	8.70	7.87
Nevada	11.06	12.81	14.10	13.23	11.62	10.63	8.99	7.76
New Hampshire	22.75	24.80	25.25	22.46	16.35	14.31	12.22	12.75
New Jersey	11.24	11.55	12.08	11.86	10.28	9.66	8.31	8.65
New Mexico	12.87	14.89	15.78	15.10	12.74	10.44	9.03	8.07
New York	17.16	18.12	19.05	19.13	16.28	14.45	11.10	10.81
North Carolina	19.66	22.88	23.14	22.49	23.15	19.75	17.86	11.65
North Dakota	9.09	15.60	20.47	21.82	19.59	13.01	7.59	6.46
Ohio	15.19	23.38	27.28	26.34	23.63	14.49	10.25	7.73
Oklahoma	24.54	26.70	29.06	25.92	21.84	15.91	13.17	10.28
Oregon	11.18	14.68	16.69	15.42	14.30	12.23	10.98	10.67
Pennsylvania	16.27	17.48	20.04	19.34	16.79	13.12	11.68	10.33
Rhode Island	19.30	19.93	20.19	19.15	16.38	15.11	13.18	12.79
South Carolina	19.35	25.03	26.44	24.68	24.33	21.98	17.13	11.79
South Dakota	11.01	14.40	14.62	14.52	12.01	9.06	7.73	7.46
Tennessee	16.00	17.18	19.34	18.74	16.89	14.15	10.96	9.62
Texas	20.64	21.76	23.39	20.93	18.54	17.09	15.59	12.25
Utah	8.22	10.38	11.21	10.88	9.56	8.35	9.15	9.18
Vermont	19.84	21.13	22.39	21.62	18.03	15.03	12.94	12.53
Virginia	20.00	20.71	22.04	20.79	18.59	17.62	13.56	10.54
Washington	10.92	13.81	16.05	15.38	14.64	12.02	10.66	10.24
West Virginia	11.26	14.16	17.51	18.81	14.75	11.56	9.55	8.47
Wisconsin	9.12	13.59	14.31	15.03	12.99	8.98	9.03	7.49
Wyoming	9.55	15.05	17.86	17.26	12.41	10.07	9.32	8.51
<b>Total</b>	<b>13.36</b>	<b>16.92</b>	<b>18.22</b>	<b>17.86</b>	<b>16.06</b>	<b>13.26</b>	<b>11.34</b>	<b>9.86</b>

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
	February	January	Total	December	November	October	September	August
Alabama	14.69	13.50	14.06	14.29	19.11	21.24	21.16	21.29
Alaska	9.61	9.44	9.81	9.51	9.73	10.07	11.34	12.66
Arizona	12.66	12.70	15.28	12.70	15.69	18.72	20.81	22.42
Arkansas	11.81	10.40	11.17	10.66	17.46	18.13	18.76	18.56
California	12.65	13.10	11.84	13.08	12.33	13.31	13.26	12.82
Colorado	7.44	6.86	7.35	6.46	7.38	9.71	12.07	14.22
Connecticut	13.18	12.39	12.91	11.73	13.29	16.63	22.19	24.07
Delaware	11.04	10.65	11.88	11.38	13.77	19.82	22.52	24.25
District of Columbia	10.92	10.93	10.90	10.62	13.28	12.53	18.63	19.25
Florida	18.38	17.71	20.27	19.10	23.55	26.53	25.75	26.80
Georgia	13.57	11.84	14.56	11.95	16.05	24.53	26.14	25.14
Hawaii	37.91	36.66	36.48	37.57	34.17	37.56	35.43	34.94
Idaho	7.53	7.23	8.14	7.22	7.37	8.24	9.49	10.16
Illinois	8.39	7.58	7.88	6.74	8.71	12.16	16.72	17.33
Indiana	8.64	7.68	7.92	6.41	8.48	11.89	17.65	18.56
Iowa	7.98	7.62	8.13	6.93	10.22	14.77	16.31	17.64
Kansas	9.83	8.50	9.85	8.62	9.29	18.34	19.96	21.74
Kentucky	10.88	9.23	10.14	8.65	11.45	19.46	22.92	24.45
Louisiana	12.30	10.89	11.35	11.02	14.96	16.25	15.87	16.66
Maine	13.70	13.71	13.82	12.87	13.30	15.75	21.33	22.79
Maryland	12.26	11.35	11.53	10.84	13.22	17.39	20.27	20.97
Massachusetts	13.11	12.91	12.46	13.15	13.27	13.70	14.97	15.22
Michigan	7.98	7.59	8.21	7.35	7.98	9.38	12.85	14.65
Minnesota	8.06	8.05	8.01	7.31	7.98	9.51	13.20	13.37
Mississippi	10.67	10.02	10.06	8.86	13.44	15.87	15.19	15.99
Missouri	9.32	8.27	10.94	9.09	15.25	21.71	24.01	26.41
Montana	7.29	6.73	7.27	6.74	7.37	7.93	10.06	11.11
Nebraska	7.93	7.38	8.01	7.05	10.07	13.31	15.73	16.13
Nevada	7.10	6.96	10.23	7.57	9.70	11.49	13.81	14.42
New Hampshire	13.60	13.26	14.25	14.19	14.97	19.46	24.66	24.61
New Jersey	8.16	8.36	8.30	8.75	9.37	10.25	11.74	12.12
New Mexico	8.16	7.86	8.05	7.64	10.06	12.56	14.49	15.18
New York	11.04	9.86	10.84	9.60	10.95	14.87	17.34	17.86
North Carolina	13.82	11.72	11.31	10.61	11.89	18.54	21.70	21.26
North Dakota	6.79	5.93	7.21	5.68	6.96	8.49	16.28	20.06
Ohio	8.15	7.13	9.03	7.80	10.00	18.54	25.81	26.97
Oklahoma	8.78	7.13	10.57	8.37	18.86	24.82	26.09	28.99
Oregon	9.89	9.16	11.67	9.34	11.37	11.81	14.32	16.61
Pennsylvania	10.32	9.70	10.18	9.21	10.62	13.58	18.88	19.48
Rhode Island	12.72	12.58	13.80	13.03	14.27	17.92	20.26	20.37
South Carolina	15.05	13.40	12.62	11.62	13.55	22.15	25.25	25.55
South Dakota	7.80	6.89	7.60	6.73	9.58	10.46	13.36	14.15
Tennessee	9.29	8.55	9.21	8.77	12.18	17.97	17.59	18.88
Texas	10.61	9.56	11.73	10.83	18.72	20.34	21.23	22.98
Utah	8.78	8.40	9.12	8.99	9.91	9.23	10.12	10.76
Vermont	12.47	12.79	14.15	13.13	14.31	18.75	22.57	23.02
Virginia	11.78	9.99	10.88	10.16	12.69	16.02	20.91	20.99
Washington	10.04	9.75	10.78	10.06	11.05	11.53	13.92	16.14
West Virginia	8.39	8.19	9.26	8.22	8.92	11.65	16.69	18.41
Wisconsin	7.56	8.05	8.07	7.41	8.26	9.20	14.29	15.04
Wyoming	8.09	7.51	8.51	7.32	8.77	10.25	15.68	16.54
<b>Total</b>	<b>10.01</b>	<b>9.32</b>	<b>10.05</b>	<b>9.06</b>	<b>10.77</b>	<b>13.74</b>	<b>16.78</b>	<b>17.60</b>

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						
	July	June	May	April	March	February	January
Alabama	20.59	19.33	17.18	14.46	12.17	11.27	12.16
Alaska	12.98	12.14	10.41	9.63	9.09	8.99	8.87
Arizona	21.61	19.59	17.54	16.63	18.16	13.91	12.06
Arkansas	16.74	15.32	13.66	10.84	10.27	9.01	9.49
California	11.90	11.31	11.45	10.44	10.54	11.46	11.39
Colorado	13.96	12.46	7.06	6.84	6.68	6.45	6.07
Connecticut	21.76	19.19	15.04	12.88	11.74	10.67	10.34
Delaware	21.38	17.57	13.46	11.49	10.26	9.73	10.11
District of Columbia	17.60	14.70	12.03	10.10	10.27	9.12	9.53
Florida	26.17	23.35	21.72	20.29	17.88	15.31	16.52
Georgia	25.12	23.85	19.43	15.77	12.53	10.57	10.40
Hawaii	34.84	42.65	39.99	36.94	37.08	33.73	33.45
Idaho	9.88	9.80	9.21	8.94	8.79	8.23	8.00
Illinois	16.49	12.62	10.48	7.53	7.08	6.30	5.83
Indiana	18.89	16.48	10.09	7.76	8.07	6.41	6.02
Iowa	16.05	13.28	8.74	7.53	7.33	6.52	6.53
Kansas	20.13	18.92	13.42	11.08	9.43	7.89	7.27
Kentucky	23.07	20.15	14.84	10.32	8.75	7.61	7.85
Louisiana	15.97	13.89	13.16	11.12	10.32	8.54	9.25
Maine	21.88	17.99	13.46	12.56	12.97	13.07	13.19
Maryland	19.83	15.79	12.44	11.30	10.85	9.30	9.78
Massachusetts	14.42	12.73	12.35	11.91	11.60	11.97	11.88
Michigan	13.50	13.02	9.65	7.84	7.82	7.61	7.29
Minnesota	13.50	11.71	9.87	7.62	7.66	7.12	7.05
Mississippi	15.67	13.92	12.95	10.76	9.01	7.96	8.43
Missouri	24.86	19.73	15.60	11.32	9.32	8.13	7.99
Montana	10.33	8.36	7.19	6.77	7.02	6.90	6.81
Nebraska	15.03	12.37	9.25	7.63	7.02	6.52	6.45
Nevada	14.63	12.99	11.92	11.25	10.84	9.75	9.12
New Hampshire	23.02	18.19	13.97	12.22	11.76	12.70	14.05
New Jersey	11.33	10.64	9.37	8.86	8.12	6.79	6.48
New Mexico	13.85	11.38	8.73	7.48	7.06	6.44	6.35
New York	16.64	14.69	10.99	9.88	9.64	9.45	10.30
North Carolina	22.51	19.62	16.42	13.11	12.62	9.06	8.76
North Dakota	20.50	19.20	9.52	6.90	6.30	5.60	5.49
Ohio	25.18	19.02	11.57	7.94	7.07	6.37	6.41
Oklahoma	24.71	19.80	16.73	10.96	8.92	6.81	6.53
Oregon	16.56	15.90	15.29	13.81	12.08	11.97	10.36
Pennsylvania	18.34	15.62	11.38	9.91	9.51	8.64	8.75
Rhode Island	19.20	16.89	14.49	13.42	12.64	12.35	12.73
South Carolina	26.86	24.09	18.62	15.18	13.47	9.75	9.04
South Dakota	13.48	11.34	7.74	6.87	7.14	6.59	6.29
Tennessee	17.11	14.81	12.58	9.52	7.88	7.27	7.40
Texas	19.53	16.70	16.50	11.75	10.12	7.87	7.85
Utah	10.67	9.81	8.89	8.96	9.51	8.79	8.59
Vermont	21.11	18.40	14.26	13.30	12.66	12.53	13.24
Virginia	19.60	15.27	12.49	10.47	10.04	8.63	9.30
Washington	15.24	13.58	11.62	10.55	10.34	9.90	9.53
West Virginia	17.03	15.58	11.72	9.36	8.82	8.31	8.31
Wisconsin	14.31	10.57	8.63	7.57	7.39	7.25	7.46
Wyoming	16.97	11.27	8.49	8.24	7.61	7.62	7.33
<b>Total</b>	<b>16.56</b>	<b>14.43</b>	<b>11.62</b>	<b>9.65</b>	<b>9.19</b>	<b>8.36</b>	<b>8.28</b>

<sup>R</sup> Revised data.

<sup>NA</sup> 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							
	Total	December	November	October	September	August	July	June
Alabama	11.92	11.43	11.73	12.34	12.42	12.50	12.52	12.43
Alaska	9.97	9.30	9.58	9.87	10.60	10.84	11.43	10.84
Arizona	NA	7.65	8.00	8.52	NA	NA	9.14	9.38
Arkansas	8.06	7.57	7.60	7.88	8.65	9.08	8.98	9.07
California	NA	10.07	NA	7.63	8.40	NA	8.35	7.76
Colorado	NA	5.98	6.20	6.74	9.22	NA	10.74	8.98
Connecticut	9.20	9.22	8.84	10.16	11.04	10.73	11.07	11.37
Delaware	NA	8.61	NA	13.16	NA	13.66	NA	NA
District of Columbia	NA	10.87	11.14	10.61	10.09	10.62	10.65	9.20
Florida	NA	11.19	11.49	11.25	12.02	NA	11.54	11.69
Georgia	8.07	7.36	8.04	8.56	9.03	8.76	9.31	9.00
Hawaii	31.16	28.99	30.65	33.41	32.51	29.91	31.69	30.90
Idaho	NA	5.27	5.35	5.44	6.39	6.64	6.86	NA
Illinois	7.25	6.61	6.42	8.18	12.72	13.52	14.15	12.29
Indiana	NA	7.14	6.90	7.24	NA	10.68	11.68	10.71
Iowa	NA	7.17	6.91	6.88	NA	8.76	8.98	7.92
Kansas	8.70	7.60	6.94	9.01	12.51	12.98	13.31	12.30
Kentucky	8.39	7.79	7.69	9.38	10.67	12.36	12.70	12.85
Louisiana	NA	8.76	8.50	8.68	8.05	8.15	8.39	8.50
Maine	NA	14.40	12.06	11.06	12.61	13.57	13.50	12.13
Maryland	NA	9.61	9.28	NA	NA	10.63	9.90	11.28
Massachusetts	NA	12.59	10.48	9.23	10.53	10.65	10.31	9.99
Michigan	NA	6.81	6.50	7.08	8.87	9.10	NA	9.12
Minnesota	NA	NA	6.65	6.02	7.54	8.46	8.51	7.94
Mississippi	NA	9.11	8.79	8.75	7.77	8.19	8.45	8.23
Missouri	7.85	7.49	8.02	9.54	10.00	10.33	10.30	9.96
Montana	NA	6.53	6.68	7.27	9.11	9.31	9.03	8.49
Nebraska	6.39	7.03	6.48	6.41	6.87	6.82	6.50	6.40
Nevada	6.34	5.53	5.74	6.42	7.02	7.20	7.22	7.19
New Hampshire	12.72	12.77	11.71	13.97	16.90	16.76	16.42	13.77
New Jersey	NA	9.32	9.27	8.45	9.33	9.37	NA	9.12
New Mexico	NA	6.10	NA	6.07	6.18	5.95	6.71	5.12
New York	7.39	7.79	7.05	6.93	6.74	6.86	7.05	7.21
North Carolina	NA	8.60	8.38	8.35	NA	NA	10.02	NA
North Dakota	NA	6.17	5.77	5.65	7.05	7.37	7.40	6.64
Ohio	5.99	6.13	5.85	6.40	7.54	7.77	7.97	7.24
Oklahoma	7.07	5.19	7.30	12.40	14.15	13.82	14.52	11.82
Oregon	8.63	8.04	8.07	8.67	9.39	10.11	9.72	9.46
Pennsylvania	9.42	8.94	8.77	9.97	10.94	11.96	12.33	11.80
Rhode Island	12.98	12.42	14.07	17.84	19.23	18.98	18.44	16.76
South Carolina	NA	NA	8.52	9.15	9.12	8.87	9.35	9.06
South Dakota	NA	6.07	6.18	6.02	7.51	7.84	7.60	6.55
Tennessee	8.35	7.98	7.77	8.89	9.73	10.18	9.98	9.48
Texas	7.21	6.33	6.50	7.46	8.05	8.27	8.21	7.93
Utah	7.37	6.38	6.08	6.27	6.61	6.70	6.62	6.95
Vermont	6.65	7.27	6.55	5.71	5.52	5.34	5.56	5.27
Virginia	8.14	8.43	8.13	8.29	8.98	8.58	8.90	8.68
Washington	NA	6.81	6.90	7.82	8.53	NA	9.31	NA
West Virginia	8.09	7.63	7.73	8.55	10.20	9.97	10.36	10.44
Wisconsin	6.42	7.16	6.43	5.67	6.43	6.87	6.54	5.82
Wyoming	6.61	5.75	6.06	6.72	7.34	7.21	7.02	7.09
<b>Total</b>	<b>7.83</b>	<b>7.75</b>	<b>7.35</b>	<b>7.71</b>	<b>8.64</b>	<b>8.74</b>	<b>8.93</b>	<b>8.66</b>

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		
	May	April	March	February	January	Total	December	November
Alabama	12.18	12.33	11.93	11.87	11.47	12.03	11.83	12.18
Alaska	10.51	10.16	9.89	9.88	9.82	9.79	9.89	10.00
Arizona	9.44	9.23	9.16	9.13	9.20	8.97	9.17	9.44
Arkansas	8.45	7.91	8.44	8.03	7.80	8.34	8.33	8.55
California	7.76	7.99	8.91	9.16	8.93	8.76	8.64	8.00
Colorado	8.34	6.38	6.75	6.23	6.29	7.17	6.62	6.87
Connecticut	11.38	8.58	8.44	8.37	7.91	9.30	7.96	8.71
Delaware	11.25	10.22	NA	10.03	NA	10.37	10.35	10.88
District of Columbia	10.16	10.24	NA	11.10	9.87	10.87	10.10	11.03
Florida	11.52	11.44	11.34	11.88	11.74	10.97	10.90	11.17
Georgia	8.54	8.46	7.90	8.00	7.64	8.78	8.13	8.53
Hawaii	33.05	31.93	30.74	32.37	28.30	27.41	28.25	28.45
Idaho	6.89	6.47	6.18	NA	6.52	6.62	6.22	6.30
Illinois	10.72	6.78	6.54	6.34	6.18	7.78	6.16	6.59
Indiana	11.07	7.01	6.77	7.34	6.36	7.52	5.93	6.78
Iowa	7.06	6.16	6.48	NA	6.21	6.87	6.96	6.51
Kansas	11.80	9.80	9.13	8.17	7.94	9.36	8.24	7.99
Kentucky	10.86	8.03	8.06	7.99	7.38	9.06	7.75	8.71
Louisiana	8.37	8.56	NA	8.89	8.47	8.99	9.00	8.84
Maine	12.12	12.74	12.94	NA	12.68	11.33	11.35	10.75
Maryland	10.32	8.97	8.32	10.11	8.82	10.27	9.39	9.84
Massachusetts	13.29	14.99	NA	12.94	11.60	10.16	10.86	9.79
Michigan	8.18	6.70	6.61	6.77	6.48	7.02	6.40	6.61
Minnesota	NA	5.67	NA	7.56	6.82	6.80	6.53	6.23
Mississippi	8.55	8.07	NA	8.42	7.61	8.82	8.58	8.73
Missouri	7.87	7.72	7.66	7.21	7.31	8.44	8.16	9.18
Montana	7.43	6.94	NA	6.81	6.95	7.42	7.39	7.24
Nebraska	5.66	5.87	6.44	6.52	6.08	6.37	6.19	6.10
Nevada	6.91	6.59	6.23	6.23	6.21	5.71	6.06	6.40
New Hampshire	13.76	13.50	13.25	11.84	11.15	11.71	11.83	12.78
New Jersey	8.34	7.33	9.22	9.42	8.92	9.14	9.27	9.47
New Mexico	5.04	5.46	5.64	5.59	5.71	6.59	6.19	7.25
New York	7.41	7.23	7.90	7.89	7.25	6.87	6.93	6.64
North Carolina	9.44	8.49	7.32	8.10	7.40	8.92	8.11	8.54
North Dakota	NA	5.41	5.59	5.76	5.98	6.00	5.89	5.67
Ohio	6.72	5.64	5.53	5.66	5.46	6.11	5.31	5.48
Oklahoma	8.52	7.23	6.40	6.17	5.79	8.44	6.89	8.63
Oregon	9.38	8.90	8.29	8.14	9.03	8.74	8.28	8.57
Pennsylvania	10.91	9.68	8.96	9.47	8.80	9.16	8.74	8.79
Rhode Island	14.43	13.64	12.55	11.15	10.88	11.30	11.35	12.45
South Carolina	8.67	8.79	8.50	10.25	NA	9.30	9.45	9.30
South Dakota	NA	5.46	NA	5.60	5.85	6.26	6.74	5.97
Tennessee	8.49	7.89	8.19	8.31	8.01	8.74	8.24	8.80
Texas	7.79	7.38	7.35	7.12	6.77	7.71	7.78	7.72
Utah	7.16	7.68	7.78	8.47	8.02	7.40	8.26	7.34
Vermont	6.01	6.54	6.88	7.48	7.80	7.04	7.19	6.17
Virginia	8.62	8.06	7.36	8.79	7.53	7.99	7.57	7.89
Washington	8.50	NA	7.94	8.07	8.30	8.30	7.93	8.15
West Virginia	9.60	8.00	7.79	7.89	7.63	7.65	7.66	7.86
Wisconsin	6.00	5.65	6.22	6.73	6.48	6.60	6.54	6.49
Wyoming	6.98	7.00	6.74	6.53	6.70	6.92	6.61	6.74
<b>Total</b>	<b>8.46</b>	<b>7.63</b>	<b>7.74</b>	<b>7.82</b>	<b>7.43</b>	<b>7.88</b>	<b>7.42</b>	<b>7.51</b>

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							
	October	September	August	July	June	May	April	March
Alabama	12.61	12.97	13.08	13.11	12.80	12.73	12.18	11.49
Alaska	10.33	11.00	11.50	11.62	11.02	9.75	9.40	9.12
Arizona	9.40	9.35	9.50	9.22	9.03	8.96	9.10	8.94
Arkansas	8.61	8.68	9.24	9.27	9.16	8.79	8.56	8.25
California	7.78	7.95	8.31	8.40	8.74	8.68	8.81	9.47
Colorado	7.25	9.22	9.16	9.53	9.01	7.28	6.98	7.10
Connecticut	10.64	10.73	11.16	10.98	10.69	10.74	9.24	8.33
Delaware	12.52	11.82	13.39	12.79	11.67	10.95	9.94	9.76
District of Columbia	11.17	11.37	12.14	12.26	12.26	11.58	11.06	11.06
Florida	11.15	11.06	11.09	10.97	11.06	11.00	10.86	10.93
Georgia	9.02	9.33	9.71	9.37	9.80	9.39	9.11	8.55
Hawaii	27.38	28.06	28.56	27.37	26.30	26.98	26.98	27.41
Idaho	6.28	7.16	7.18	7.63	7.47	7.14	7.18	6.96
Illinois	7.90	12.09	13.60	12.43	12.52	11.00	9.14	7.25
Indiana	7.28	9.96	11.61	11.35	11.47	9.05	9.61	6.87
Iowa	6.52	9.05	9.29	9.56	8.98	7.77	6.84	6.12
Kansas	9.97	13.94	13.17	13.40	12.88	12.74	9.98	9.14
Kentucky	10.16	11.83	12.81	11.99	12.54	11.28	10.29	8.61
Louisiana	8.71	8.77	8.75	8.80	8.85	8.83	8.69	9.08
Maine	11.58	12.33	12.77	13.06	11.42	10.94	11.23	10.83
Maryland	12.05	12.59	12.49	11.30	12.16	11.76	11.48	9.18
Massachusetts	8.71	10.12	10.35	10.37	9.36	10.21	10.27	10.04
Michigan	7.57	8.47	9.65	9.15	9.00	7.92	7.31	6.80
Minnesota	6.48	7.44	8.08	7.72	8.10	7.04	6.80	6.36
Mississippi	8.59	9.24	8.69	8.69	8.47	8.84	8.93	8.68
Missouri	10.55	10.65	11.19	11.00	9.78	8.99	8.36	8.12
Montana	7.72	8.82	9.67	9.64	8.84	7.82	7.26	7.20
Nebraska	6.48	6.78	6.93	7.08	6.54	6.59	5.94	6.30
Nevada	6.48	6.50	6.75	6.40	5.90	5.85	5.38	5.14
New Hampshire	15.10	16.06	16.06	15.28	12.45	11.49	10.15	10.63
New Jersey	9.12	8.66	9.47	9.84	8.98	8.83	7.91	9.04
New Mexico	7.60	7.41	7.43	7.56	7.08	6.56	6.17	6.07
New York	6.50	6.02	5.95	6.64	6.87	6.90	6.99	7.14
North Carolina	8.83	9.05	8.88	8.63	9.94	10.69	10.16	8.35
North Dakota	5.93	6.48	7.15	7.65	7.57	6.52	5.68	5.67
Ohio	6.54	7.44	7.81	7.75	7.75	6.78	6.18	5.86
Oklahoma	14.71	15.16	16.05	14.86	13.30	11.40	9.56	7.91
Oregon	8.84	9.84	10.44	10.05	10.19	9.37	9.04	8.90
Pennsylvania	10.34	11.10	11.53	11.94	11.60	10.56	9.47	8.89
Rhode Island	15.04	15.45	15.73	15.38	13.10	12.02	10.63	10.42
South Carolina	8.56	9.05	8.86	9.04	8.95	8.64	9.66	8.59
South Dakota	5.96	7.51	7.68	7.63	7.41	6.26	5.83	5.77
Tennessee	9.47	9.38	9.65	9.56	9.41	9.13	8.76	8.50
Texas	8.22	8.35	8.37	8.19	7.70	7.57	7.62	7.19
Utah	6.44	7.07	7.40	7.28	6.83	6.51	7.47	7.71
Vermont	6.07	6.04	6.06	6.29	6.12	6.94	7.57	7.35
Virginia	8.42	8.59	9.00	8.76	9.18	9.07	8.05	7.19
Washington	8.35	9.15	9.86	9.48	9.40	7.68	8.27	8.22
West Virginia	8.56	8.93	9.37	9.54	9.48	8.28	7.71	7.09
Wisconsin	5.84	6.92	6.85	7.02	6.68	6.06	6.93	6.37
Wyoming	6.96	7.41	7.45	7.65	7.41	7.13	7.10	6.96
<b>Total</b>	<b>7.97</b>	<b>8.52</b>	<b>8.76</b>	<b>8.81</b>	<b>8.75</b>	<b>8.31</b>	<b>8.04</b>	<b>7.68</b>

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
	February	January	Total	December	November	October	September	August
Alabama	11.36	11.15	10.66	11.13	12.09	11.83	11.70	11.76
Alaska	9.18	9.16	8.34	8.75	8.68	8.85	8.71	8.78
Arizona	8.33	8.29	8.83	8.03	8.22	8.52	8.64	8.65
Arkansas	8.13	7.59	7.14	7.59	8.63	7.01	6.89	7.16
California	9.34	9.60	8.42	9.96	9.28	9.08	9.16	8.74
Colorado	6.92	6.57	6.42	6.18	6.61	8.00	8.42	9.27
Connecticut	9.51	8.61	8.79	7.92	8.60	9.99	10.64	11.73
Delaware	9.61	9.44	9.58	9.88	10.36	11.42	11.86	12.11
District of Columbia	10.66	9.47	9.88	9.85	11.59	9.37	11.21	11.82
Florida	11.04	10.58	10.42	10.88	10.61	10.64	10.56	10.33
Georgia	8.86	8.40	7.92	7.55	8.77	9.29	9.55	9.59
Hawaii	27.16	26.22	24.78	25.31	22.95	25.40	25.04	23.45
Idaho	6.62	6.36	7.12	6.50	6.49	6.99	7.69	7.64
Illinois	7.59	6.90	7.14	6.44	8.08	9.03	12.30	12.93
Indiana	7.72	7.07	6.55	5.74	7.39	7.35	9.62	10.19
Iowa	6.40	6.41	5.99	5.96	6.48	6.86	7.53	8.14
Kansas	8.99	8.21	8.41	7.64	8.53	11.32	13.59	13.80
Kentucky	8.81	7.71	7.89	7.49	8.94	10.81	11.32	12.03
Louisiana	9.41	9.55	7.92	8.81	8.21	8.47	8.28	8.27
Maine	11.34	11.55	10.63	10.63	10.23	10.47	11.16	10.72
Maryland	9.98	9.54	8.94	8.83	10.06	10.89	11.78	11.49
Massachusetts	10.20	10.05	9.48	10.07	9.98	9.54	9.73	9.80
Michigan	6.86	6.65	6.90	6.56	6.94	7.58	9.02	9.31
Minnesota	6.94	7.08	6.44	6.30	6.28	6.73	7.88	7.79
Mississippi	9.09	9.03	7.80	8.10	8.57	8.11	7.56	7.49
Missouri	7.60	7.24	7.89	7.70	9.20	9.59	9.87	10.46
Montana	7.24	6.70	7.13	6.73	7.29	7.66	9.00	9.13
Nebraska	6.61	6.29	5.45	5.79	5.87	5.77	5.93	6.00
Nevada	5.02	5.09	6.84	5.37	5.78	6.24	6.87	6.89
New Hampshire	11.68	11.26	11.36	11.91	11.98	13.58	16.21	16.40
New Jersey	9.06	9.68	7.93	8.60	9.24	8.78	8.74	8.71
New Mexico	6.51	6.28	5.68	6.05	6.59	6.85	7.35	7.15
New York	7.51	6.82	6.19	6.50	5.97	5.59	5.33	5.30
North Carolina	9.88	8.67	7.71	8.36	8.05	7.95	8.19	8.30
North Dakota	6.32	5.74	5.45	5.43	5.60	5.82	6.74	7.29
Ohio	6.10	6.03	5.74	5.68	6.02	7.16	7.24	8.06
Oklahoma	6.88	5.94	7.72	6.86	12.30	14.46	14.76	15.03
Oregon	8.45	8.10	9.30	7.88	9.24	9.24	9.93	10.74
Pennsylvania	8.58	8.32	8.15	7.94	8.31	9.16	11.02	10.84
Rhode Island	10.45	10.02	11.16	10.27	11.48	14.53	16.35	15.78
South Carolina	10.15	10.31	8.42	9.48	9.01	9.02	8.56	8.48
South Dakota	6.43	5.77	5.64	5.72	5.97	6.30	7.16	7.90
Tennessee	8.56	8.33	7.80	8.23	9.06	9.78	9.10	9.49
Texas	7.51	7.40	6.89	7.60	8.25	8.52	8.15	8.26
Utah	7.48	7.29	7.43	7.65	7.50	6.71	6.84	7.10
Vermont	7.61	8.08	6.63	7.48	7.07	6.19	6.33	5.59
Virginia	8.45	7.44	7.23	7.55	7.54	7.68	8.67	8.40
Washington	8.22	8.03	8.49	8.14	8.60	8.78	9.45	9.87
West Virginia	7.02	6.97	7.75	7.10	7.50	8.72	9.99	10.27
Wisconsin	6.47	7.05	6.29	6.50	6.47	5.86	6.55	6.55
Wyoming	6.97	6.56	6.54	6.52	6.76	6.85	7.13	6.82
<b>Total</b>	<b>7.89</b>	<b>7.58</b>	<b>7.28</b>	<b>7.27</b>	<b>7.67</b>	<b>7.96</b>	<b>8.28</b>	<b>8.30</b>

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						
	July	June	May	April	March	February	January
Alabama	11.62	11.20	10.51	10.52	10.10	9.75	9.86
Alaska	9.07	8.41	8.00	7.90	7.87	7.87	7.88
Arizona	8.74	8.73	8.81	9.10	9.77	9.36	8.97
Arkansas	6.90	7.22	7.11	6.85	7.11	6.74	7.16
California	8.07	7.43	7.33	7.18	8.16	8.48	8.03
Colorado	8.36	7.63	6.15	5.96	5.92	5.96	5.80
Connecticut	11.14	11.81	9.86	9.36	7.92	7.29	7.31
Delaware	11.50	10.86	10.03	9.33	8.79	8.58	8.75
District of Columbia	11.64	10.85	9.83	9.83	9.81	8.92	9.12
Florida	10.31	10.25	10.04	10.12	10.33	10.46	10.54
Georgia	9.35	8.73	8.39	8.17	7.60	7.22	6.78
Hawaii	23.14	30.09	27.54	25.75	25.00	21.69	22.17
Idaho	7.72	7.81	7.71	7.82	7.61	7.22	7.10
Illinois	12.26	10.93	9.47	6.99	6.51	5.88	5.54
Indiana	11.13	9.55	7.21	6.42	7.04	5.67	5.33
Iowa	7.82	7.12	5.81	5.55	5.80	5.40	5.36
Kansas	12.93	12.48	10.16	8.38	8.96	7.26	6.75
Kentucky	11.05	10.77	9.19	8.00	7.11	6.39	6.73
Louisiana	8.22	7.19	7.26	7.12	7.69	7.69	8.02
Maine	10.37	9.95	9.45	10.15	10.69	11.08	11.27
Maryland	11.34	9.65	8.11	8.20	8.70	8.02	8.25
Massachusetts	9.35	8.49	9.22	9.45	9.14	9.50	9.34
Michigan	8.65	8.50	7.28	6.62	6.63	6.64	6.53
Minnesota	7.90	7.08	6.40	6.17	6.43	6.24	6.15
Mississippi	7.61	7.04	7.51	8.04	7.83	7.55	7.93
Missouri	10.38	9.39	8.55	7.92	7.22	6.94	7.08
Montana	8.64	7.79	6.97	6.68	6.96	6.91	6.80
Nebraska	5.31	5.06	4.71	4.98	5.38	5.46	5.40
Nevada	7.22	7.08	7.04	7.25	7.59	7.48	7.34
New Hampshire	16.48	13.28	11.22	9.96	9.55	10.47	11.46
New Jersey	8.68	7.72	7.14	6.79	7.49	7.65	7.75
New Mexico	6.84	6.05	5.47	5.25	5.20	5.02	5.07
New York	5.58	5.77	6.03	6.21	6.48	6.70	6.70
North Carolina	8.77	8.52	8.02	7.78	8.27	6.97	6.64
North Dakota	7.01	6.68	5.36	4.62	5.20	5.16	5.20
Ohio	7.50	6.90	6.05	5.26	5.22	5.21	5.23
Oklahoma	13.80	12.31	10.88	8.09	6.78	5.42	5.39
Oregon	11.13	11.30	10.79	10.02	9.51	9.38	8.74
Pennsylvania	11.07	10.67	8.92	8.12	8.22	7.37	7.19
Rhode Island	15.43	13.58	11.51	10.79	10.32	10.10	10.37
South Carolina	8.71	7.79	7.43	8.36	8.36	8.12	7.80
South Dakota	6.98	6.46	5.07	4.94	5.60	5.36	5.04
Tennessee	8.70	8.30	7.63	7.61	7.03	7.02	6.95
Texas	7.52	6.73	6.84	6.14	6.17	5.85	5.98
Utah	7.01	6.84	6.77	7.37	7.91	7.55	7.46
Vermont	5.87	5.51	6.71	6.60	6.22	7.00	7.14
Virginia	8.20	7.66	7.17	6.59	7.12	6.62	6.82
Washington	9.37	9.64	8.09	7.99	8.03	8.63	8.08
West Virginia	10.14	9.78	9.00	7.89	7.56	7.30	7.24
Wisconsin	6.98	5.26	5.29	5.98	6.07	6.35	6.59
Wyoming	6.91	7.02	6.47	6.47	6.48	6.37	6.28
<b>Total</b>	<b>8.14</b>	<b>7.72</b>	<b>7.32</b>	<b>6.98</b>	<b>7.08</b>	<b>6.86</b>	<b>6.75</b>

<sup>R</sup> Revised data.

<sup>NA</sup> 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							
	Total	December	November	October	September	August	July	June
Alabama	4.29	5.38	4.59	4.06	3.98	3.88	3.90	3.89
Alaska	5.69	5.73	6.00	5.96	6.00	5.87	6.01	5.34
Arizona	NA	5.26	4.63	6.01	5.64	NA	6.45	6.50
Arkansas	6.79	6.67	6.78	6.68	6.68	7.05	7.08	6.70
California	NA	8.61	6.99	6.11	7.04	NA	6.43	6.09
Colorado	NA	4.70	4.87	5.19	NA	6.24	6.64	6.55
Connecticut	6.63	7.48	6.53	6.39	6.15	6.37	6.61	6.91
Delaware	NA	9.09	11.09	11.53	NA	10.79	NA	NA
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	NA	5.98	6.02	NA	6.66	5.93	5.51
Georgia	NA	6.02	4.74	4.41	4.41	4.29	4.38	NA
Hawaii	22.62	22.29	24.11	24.18	23.38	22.37	23.04	23.32
Idaho	3.98	3.57	3.62	3.49	4.09	4.06	4.20	4.12
Illinois	NA	5.36	NA	5.60	6.34	7.23	6.99	5.97
Indiana	NA	6.25	6.17	5.22	NA	7.31	7.39	6.56
Iowa	NA	6.34	5.80	5.04	5.36	4.78	4.45	4.32
Kansas	4.56	7.28	6.58	5.44	4.57	4.30	4.30	4.32
Kentucky	NA	5.19	4.46	4.28	3.99	3.84	3.88	3.84
Louisiana	3.42	3.96	3.57	3.35	3.16	3.43	3.14	3.29
Maine	9.24	11.05	10.63	5.87	5.78	5.79	6.41	6.30
Maryland	NA	9.40	8.43	7.95	NA	9.02	8.97	NA
Massachusetts	9.90	10.66	8.69	6.72	6.63	7.48	7.15	7.37
Michigan	6.04	6.18	5.95	6.25	6.59	7.02	6.20	6.75
Minnesota	NA	5.40	4.80	4.48	4.47	4.50	4.48	4.49
Mississippi	5.00	5.79	5.13	4.87	4.53	4.71	4.80	4.63
Missouri	NA	NA	6.28	5.86	5.76	5.65	5.80	5.63
Montana	6.37	6.06	6.17	5.95	6.05	5.81	5.65	6.19
Nebraska	4.53	5.11	4.51	4.41	4.35	4.33	4.20	3.82
Nevada	5.44	4.48	4.79	5.00	5.80	5.91	6.14	6.33
New Hampshire	NA	11.42	8.92	6.98	6.93	7.77	7.86	NA
New Jersey	NA	NA	7.15	NA	6.88	NA	6.82	NA
New Mexico	NA	4.40	4.20	4.24	3.48	3.07	NA	NA
New York	7.81	8.18	7.24	7.04	7.29	7.40	7.94	8.06
North Carolina	NA	6.57	6.29	5.91	5.67	5.90	5.81	5.88
North Dakota	3.23	4.77	3.85	2.90	2.78	2.78	2.72	2.65
Ohio	NA	6.07	6.40	NA	NA	NA	NA	7.44
Oklahoma	NA	NA	2.59	2.23	2.08	2.29	2.35	NA
Oregon	5.15	4.96	5.05	5.07	5.12	5.14	5.19	4.93
Pennsylvania	NA	7.52	8.29	8.47	9.60	9.38	9.82	9.36
Rhode Island	NA	9.72	10.57	11.37	11.12	10.97	11.63	11.46
South Carolina	4.90	6.09	5.34	4.54	4.57	4.32	4.65	4.39
South Dakota	NA	5.29	4.63	NA	5.72	5.46	5.55	4.76
Tennessee	5.05	5.97	5.00	4.55	4.41	4.38	4.61	4.45
Texas	3.39	4.83	3.84	3.47	3.19	2.99	3.19	3.22
Utah	5.49	5.80	5.03	4.66	4.73	4.71	4.64	5.19
Vermont	4.55	5.24	4.72	4.35	4.30	4.26	4.22	4.14
Virginia	5.14	6.20	4.77	5.19	4.99	5.36	5.00	4.91
Washington	NA	6.14	6.49	7.09	NA	NA	NA	NA
West Virginia	3.51	4.80	4.05	3.31	3.18	3.15	3.25	3.17
Wisconsin	5.14	6.72	5.79	4.60	3.78	3.98	3.92	4.26
Wyoming	3.88	3.68	3.81	4.32	3.66	3.50	3.22	3.24
<b>Total</b>	<b>4.20</b>	<b>5.46</b>	<b>4.51</b>	<b>4.04</b>	<b>3.75</b>	<b>3.67</b>	<b>3.76</b>	<b>3.78</b>

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		
	May	April	March	February	January	Total	December	November
Alabama	3.90	3.90	3.93	4.90	4.75	4.24	4.31	4.11
Alaska	5.54	4.92	5.29	5.57	5.68	4.63	4.73	4.59
Arizona	6.50	NA	6.99	7.04	6.64	6.47	6.57	6.92
Arkansas	6.55	6.61	7.09	6.83	6.77	6.67	6.48	6.62
California	6.08	6.35	7.43	7.46	7.53	7.05	7.14	6.38
Colorado	5.45	4.88	5.22	5.15	5.06	5.58	5.04	5.18
Connecticut	6.95	6.52	6.57	6.57	6.43	6.48	6.12	6.08
Delaware	11.06	9.59	9.88	10.07	10.58	9.91	10.51	12.01
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.38	6.49	6.84	5.87	7.36	6.17	5.82	6.20
Georgia	4.38	4.61	4.45	5.19	4.42	4.68	4.61	4.38
Hawaii	23.05	22.04	21.57	21.71	20.32	19.62	22.24	20.83
Idaho	4.22	4.18	4.08	4.14	4.25	4.44	4.38	4.02
Illinois	5.37	4.88	5.02	NA	5.17	5.76	4.86	4.99
Indiana	6.42	6.09	5.84	5.87	6.38	5.99	4.85	5.34
Iowa	4.36	5.17	5.27	NA	5.53	5.21	5.55	5.12
Kansas	4.35	4.58	4.71	6.91	7.19	4.16	5.71	4.94
Kentucky	3.97	4.07	4.35	NA	4.46	4.46	4.54	4.26
Louisiana	3.44	2.99	3.64	3.47	3.74	3.64	3.35	3.41
Maine	6.81	11.17	11.71	11.69	9.71	8.15	9.59	9.29
Maryland	8.47	7.95	7.50	7.75	8.13	9.84	9.71	9.25
Massachusetts	10.19	12.84	11.89	11.05	9.64	8.02	8.96	7.77
Michigan	6.27	5.89	5.96	5.96	5.76	5.97	5.64	5.96
Minnesota	NA	4.08	4.34	5.30	4.82	4.48	4.66	4.05
Mississippi	4.59	4.72	5.25	5.29	5.24	5.07	5.08	4.86
Missouri	5.97	6.96	6.79	6.73	6.83	6.64	6.84	6.96
Montana	6.21	6.80	6.55	6.38	7.02	6.60	7.41	6.55
Nebraska	3.84	4.23	5.15	4.95	4.90	4.54	4.45	4.28
Nevada	5.95	5.64	5.57	5.48	5.48	5.06	5.21	5.48
New Hampshire	10.84	NA	NA	9.39	9.62	9.09	10.03	8.92
New Jersey	6.51	6.65	8.90	8.79	8.39	7.92	8.06	8.05
New Mexico	NA	3.68	4.54	4.82	4.89	5.06	5.37	5.30
New York	7.96	7.92	8.51	7.90	7.38	7.21	7.20	6.71
North Carolina	6.03	6.16	5.95	6.53	NA	6.24	6.29	6.02
North Dakota	2.65	2.57	2.71	4.06	3.78	3.15	3.97	3.12
Ohio	6.65	6.11	6.23	NA	NA	6.71	6.24	6.42
Oklahoma	1.99	1.66	2.49	3.29	3.10	3.30	3.13	2.94
Oregon	5.05	5.09	5.36	5.39	5.35	5.31	5.18	5.28
Pennsylvania	8.60	8.44	8.49	NA	8.09	8.38	8.91	8.95
Rhode Island	11.41	NA	10.14	8.75	8.62	8.48	8.62	8.45
South Carolina	4.33	4.38	4.67	5.40	6.08	4.86	5.17	4.54
South Dakota	4.36	4.21	4.83	4.74	4.67	5.09	4.87	4.61
Tennessee	4.68	4.92	5.28	5.96	5.57	5.04	5.22	4.95
Texas	3.10	2.98	2.87	3.78	3.32	3.28	3.22	2.98
Utah	5.32	5.86	6.14	6.33	6.25	5.51	6.02	5.45
Vermont	4.18	4.22	4.33	5.00	5.08	4.92	4.71	4.40
Virginia	5.05	4.66	5.04	5.33	5.07	5.04	5.15	4.64
Washington	7.67	7.51	7.60	7.62	7.49	7.39	7.45	7.34
West Virginia	3.14	3.07	3.10	4.36	3.40	3.21	4.12	4.07
Wisconsin	3.98	4.20	5.25	6.13	5.66	5.34	5.60	5.54
Wyoming	3.92	4.31	4.21	4.02	4.03	4.28	4.21	4.25
<b>Total</b>	<b>3.81</b>	<b>3.90</b>	<b>4.02</b>	<b>4.86</b>	<b>4.48</b>	<b>4.10</b>	<b>4.21</b>	<b>3.85</b>

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							
	October	September	August	July	June	May	April	March
Alabama	3.92	3.89	3.93	4.07	4.21	4.18	4.25	4.08
Alaska	4.02	3.63	3.16	3.04	4.96	4.96	5.02	5.13
Arizona	6.72	6.77	7.26	6.49	6.86	6.31	6.18	5.95
Arkansas	6.63	6.66	7.03	6.74	6.69	6.53	6.80	6.63
California	6.09	6.24	6.43	6.59	7.01	7.05	7.19	7.71
Colorado	7.00	5.77	5.91	6.35	6.08	5.66	5.19	5.60
Connecticut	5.97	6.38	6.03	5.90	5.80	6.41	6.28	6.69
Delaware	10.38	10.08	13.21	13.50	10.22	9.81	9.07	9.57
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.26	6.11	6.36	5.99	6.07	6.09	5.98	6.51
Georgia	4.53	4.68	4.60	4.45	4.67	4.64	4.74	4.29
Hawaii	21.09	19.75	18.87	18.57	19.10	19.60	18.83	19.22
Idaho	4.35	4.42	4.47	4.48	4.59	4.44	4.57	4.52
Illinois	5.10	5.75	6.44	7.17	6.70	6.78	6.31	5.87
Indiana	5.43	7.01	7.98	7.11	7.93	6.32	7.03	5.69
Iowa	5.06	5.33	5.18	5.43	5.51	5.31	5.06	4.69
Kansas	4.51	3.88	3.76	3.83	4.01	4.74	4.67	5.08
Kentucky	4.26	4.15	4.18	4.27	4.48	4.37	4.42	4.34
Louisiana	3.53	3.46	3.55	3.62	3.74	3.32	3.14	3.59
Maine	5.26	5.30	5.42	6.34	6.48	6.61	9.28	9.27
Maryland	10.79	11.22	10.67	11.28	11.91	10.56	11.53	8.52
Massachusetts	5.63	7.20	7.26	7.46	7.10	8.76	8.28	8.17
Michigan	6.02	6.94	6.73	6.47	6.40	6.36	6.10	5.89
Minnesota	4.40	4.24	4.19	4.14	4.44	4.23	4.40	4.42
Mississippi	4.89	4.91	4.80	5.02	4.84	4.92	4.62	5.28
Missouri	6.43	6.03	6.24	6.21	6.02	6.04	6.45	6.95
Montana	6.49	6.38	5.70	6.66	6.50	6.53	6.00	6.81
Nebraska	4.21	4.38	4.32	4.40	4.44	4.33	4.33	4.81
Nevada	5.65	5.69	6.03	5.74	5.48	5.15	4.61	4.47
New Hampshire	7.66	7.99	7.58	7.81	7.14	7.98	8.88	9.13
New Jersey	8.62	8.32	8.19	7.82	8.37	7.03	6.81	7.07
New Mexico	5.15	4.87	4.95	4.87	4.88	4.81	4.61	5.02
New York	6.44	6.17	6.82	8.04	7.78	7.20	7.85	7.49
North Carolina	5.89	6.09	6.07	6.04	5.97	6.07	6.35	6.34
North Dakota	2.89	3.78	2.82	2.85	2.95	2.81	2.89	2.66
Ohio	7.24	8.04	7.85	8.69	9.21	8.06	6.54	5.85
Oklahoma	3.02	2.87	3.13	3.46	3.39	3.22	3.21	2.93
Oregon	5.17	5.19	5.50	5.41	5.39	5.28	5.29	5.43
Pennsylvania	9.16	9.13	9.36	10.50	8.99	8.22	8.68	8.01
Rhode Island	8.41	8.59	8.74	8.74	8.43	8.55	8.67	8.39
South Carolina	4.58	4.71	4.56	4.98	4.83	4.69	4.83	4.46
South Dakota	5.35	6.04	5.64	5.62	5.20	5.22	4.57	5.01
Tennessee	4.69	4.70	4.66	4.77	4.94	4.86	4.93	5.03
Texas	3.12	3.21	3.19	3.40	3.51	3.37	3.34	2.81
Utah	5.15	5.13	5.12	5.20	5.04	5.14	5.70	5.87
Vermont	4.42	4.48	4.47	4.51	4.68	4.78	5.04	5.34
Virginia	4.69	4.92	5.22	4.94	5.41	5.04	4.87	4.67
Washington	7.11	7.22	7.42	7.73	7.38	7.52	7.52	7.35
West Virginia	3.03	2.80	2.85	2.90	2.85	2.92	2.90	3.16
Wisconsin	4.46	4.66	4.54	4.24	4.74	4.69	5.82	5.34
Wyoming	4.36	4.38	4.35	4.39	4.24	3.96	4.24	4.37
<b>Total</b>	<b>3.79</b>	<b>3.84</b>	<b>3.79</b>	<b>3.93</b>	<b>4.06</b>	<b>4.03</b>	<b>4.13</b>	<b>3.94</b>

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	
	February	January	Total	December	November	October	September	August
Alabama	4.70	5.07	3.79	4.91	4.33	4.24	4.11	3.82
Alaska	4.99	5.06	5.06	5.21	4.83	4.53	4.45	5.64
Arizona	6.04	6.18	5.79	5.94	5.82	5.61	5.56	5.98
Arkansas	6.69	6.73	5.78	6.59	6.30	5.80	5.76	5.81
California	7.96	8.38	6.79	8.44	7.48	7.27	7.35	6.91
Colorado	5.48	5.37	4.89	4.75	5.02	6.08	6.12	6.31
Connecticut	8.06	7.21	6.07	6.07	5.62	5.97	6.06	6.15
Delaware	9.11	8.93	9.02	9.04	10.07	10.31	11.86	10.24
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.46	6.13	5.77	5.60	5.77	6.14	5.28	5.77
Georgia	5.12	5.48	4.13	4.93	4.42	4.47	4.49	4.38
Hawaii	19.69	18.66	17.74	18.72	18.98	17.90	17.68	18.11
Idaho	4.59	4.52	5.19	4.51	4.61	4.63	5.41	5.46
Illinois	6.15	6.12	5.03	5.22	5.83	5.72	6.07	7.16
Indiana	6.08	5.82	4.99	5.28	5.36	5.06	5.90	6.11
Iowa	5.14	5.22	4.70	5.15	4.68	4.94	4.96	4.33
Kansas	6.88	6.75	3.69	5.27	4.54	3.63	3.69	3.55
Kentucky	4.90	5.14	3.84	4.57	4.36	4.24	4.06	3.73
Louisiana	4.56	4.52	3.11	3.89	4.05	3.53	3.36	3.17
Maine	9.35	9.33	7.68	9.38	8.83	5.99	6.09	5.99
Maryland	9.82	9.49	8.80	8.97	9.47	10.69	10.34	12.50
Massachusetts	8.44	8.23	7.40	8.41	8.15	7.11	6.06	6.33
Michigan	5.99	5.77	5.75	5.63	5.55	6.11	6.05	6.00
Minnesota	4.86	5.15	4.19	4.65	4.35	4.28	4.21	4.19
Mississippi	5.92	5.47	4.34	4.70	4.81	4.59	4.50	4.48
Missouri	7.12	6.88	6.29	6.97	6.70	6.04	6.12	6.36
Montana	6.90	6.54	6.06	6.17	5.94	5.84	6.08	6.78
Nebraska	5.23	4.73	4.04	4.51	4.25	4.00	4.08	3.97
Nevada	4.38	4.36	5.90	4.60	5.07	5.21	5.88	5.80
New Hampshire	10.27	10.13	8.59	10.11	9.06	7.58	8.06	8.21
New Jersey	8.67	8.11	6.59	7.29	7.24	6.42	6.95	7.78
New Mexico	5.91	5.57	4.18	4.86	4.30	4.72	4.54	4.29
New York	7.45	6.91	5.92	6.11	5.69	5.56	5.29	5.70
North Carolina	6.65	6.66	5.43	6.12	5.46	5.26	5.26	5.20
North Dakota	3.45	3.96	2.62	3.45	2.86	2.91	2.87	3.76
Ohio	6.56	6.87	4.81	4.95	5.45	6.07	6.43	6.46
Oklahoma	3.82	4.22	2.94	2.36	3.70	3.13	4.85	4.57
Oregon	5.39	5.25	5.73	5.72	5.82	5.75	5.66	5.73
Pennsylvania	7.92	7.79	7.40	7.75	8.35	8.56	8.65	5.79
Rhode Island	8.34	8.06	8.70	8.00	8.83	9.01	9.16	9.22
South Carolina	5.14	5.78	4.20	5.30	4.77	4.48	4.37	4.24
South Dakota	5.36	5.20	4.78	4.78	4.94	5.09	6.12	6.01
Tennessee	5.61	5.76	4.44	5.31	4.80	4.70	4.49	4.36
Texas	3.43	3.84	2.65	3.35	2.93	3.22	3.15	3.02
Utah	5.98	6.03	5.52	5.89	5.17	4.96	4.93	5.00
Vermont	5.67	6.02	5.20	5.68	5.20	5.13	5.14	5.31
Virginia	5.61	5.38	4.42	4.79	4.46	4.41	4.46	4.55
Washington	7.59	7.19	7.47	7.38	7.24	7.20	7.33	7.77
West Virginia	3.46	3.11	2.43	2.52	2.40	2.52	2.33	2.26
Wisconsin	5.55	6.32	5.05	5.66	5.35	4.64	4.61	4.30
Wyoming	4.52	4.18	3.96	4.58	4.64	4.27	3.93	3.94
<b>Total</b>	<b>4.56</b>	<b>4.87</b>	<b>3.51</b>	<b>4.27</b>	<b>3.86</b>	<b>3.87</b>	<b>3.74</b>	<b>3.59</b>

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						
	July	June	May	April	March	February	January
Alabama	3.98	3.34	2.97	3.22	3.21	3.66	3.65
Alaska	5.17	4.58	3.69	6.36	6.75	6.74	4.88
Arizona	5.81	4.97	5.64	5.70	5.91	6.22	6.51
Arkansas	5.33	5.21	5.27	5.31	5.83	5.67	5.94
California	6.30	5.80	5.84	5.70	6.67	6.90	6.56
Colorado	6.17	5.46	4.25	4.36	4.95	4.50	4.21
Connecticut	6.17	6.03	6.56	6.82	5.82	5.69	6.08
Delaware	8.94	8.72	8.56	7.91	8.24	7.93	8.09
District of Columbia	--	--	--	--	--	--	--
Florida	5.45	5.30	5.20	5.73	6.29	6.12	6.37
Georgia	4.27	3.65	3.60	3.55	3.56	4.07	4.14
Hawaii	18.65	19.11	17.00	16.33	15.51	16.32	18.26
Idaho	5.43	5.46	5.44	5.51	5.46	5.46	5.41
Illinois	6.99	5.49	4.45	4.94	4.74	4.54	4.29
Indiana	5.89	5.13	4.22	4.52	4.81	4.98	4.47
Iowa	4.66	4.44	4.07	4.44	4.86	4.36	5.01
Kansas	3.48	3.31	3.39	3.44	4.29	6.25	6.75
Kentucky	4.07	3.05	3.42	3.00	3.53	3.87	4.03
Louisiana	3.40	2.50	2.57	2.50	2.41	2.95	3.08
Maine	5.58	5.55	5.78	8.46	8.51	8.52	8.46
Maryland	13.80	9.80	7.35	7.56	8.54	8.45	8.30
Massachusetts	6.30	6.13	7.25	7.49	7.43	7.78	7.64
Michigan	6.38	5.98	5.75	5.54	5.57	5.88	5.72
Minnesota	4.41	3.70	3.60	3.50	3.89	4.35	4.40
Mississippi	3.86	3.85	3.72	4.00	4.28	4.52	4.58
Missouri	7.00	6.03	5.53	6.02	6.10	6.28	6.06
Montana	5.18	6.63	5.17	5.79	5.92	6.72	6.30
Nebraska	3.67	3.35	3.27	3.77	4.32	4.32	4.41
Nevada	6.52	6.11	6.00	6.22	6.75	6.66	6.50
New Hampshire	8.24	7.14	7.48	7.90	7.97	8.96	9.60
New Jersey	7.74	6.53	5.61	5.14	6.90	6.25	6.44
New Mexico	3.93	3.50	3.39	3.46	3.76	4.06	4.25
New York	5.56	5.55	5.72	5.88	6.20	6.24	6.22
North Carolina	5.15	5.09	5.11	5.33	5.70	5.61	5.34
North Dakota	3.03	2.13	1.95	2.13	2.14	2.89	2.48
Ohio	6.76	5.58	5.33	4.25	4.10	4.17	4.36
Oklahoma	3.82	4.05	3.53	3.12	2.17	2.09	3.84
Oregon	5.59	5.77	5.73	5.80	5.76	5.78	5.61
Pennsylvania	9.17	7.99	8.25	6.75	7.23	6.84	7.09
Rhode Island	8.91	8.76	8.91	8.77	8.40	8.44	8.61
South Carolina	4.46	3.58	3.56	3.22	3.58	4.21	4.83
South Dakota	5.20	4.78	4.33	4.10	4.50	4.51	4.83
Tennessee	4.42	3.68	3.80	3.83	4.28	4.77	4.69
Texas	2.98	2.16	2.14	2.08	1.88	2.39	2.45
Utah	5.02	5.10	5.14	5.68	5.97	6.44	6.08
Vermont	5.61	4.97	5.13	4.93	4.96	5.17	5.14
Virginia	4.16	4.31	4.08	3.78	4.39	4.48	4.79
Washington	7.76	8.16	7.33	7.38	7.47	7.72	7.38
West Virginia	2.30	2.40	2.28	2.17	2.59	2.69	2.47
Wisconsin	4.64	3.45	3.98	5.07	4.96	5.47	5.76
Wyoming	3.60	3.66	3.71	3.65	3.68	3.82	3.95
<b>Total</b>	<b>3.57</b>	<b>2.89</b>	<b>2.90</b>	<b>3.00</b>	<b>3.02</b>	<b>3.58</b>	<b>3.62</b>

-- 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<sup>a</sup> consumers, by state, 2016-2018**  
(dollars per thousand cubic feet)

State	2018							
	Total	December	November	October	September	August	July	June
Alabama	W	W	W	W	W	W	W	W
Alaska	7.91	7.72	7.72	7.72	7.72	7.72	7.76	7.76
Arizona	3.06	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	4.75	6.34	W	3.78	3.58	5.88	7.92	3.36
Colorado	W	W	W	W	W	W	W	W
Connecticut	4.72	7.41	5.37	3.67	3.21	3.22	3.04	2.79
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W	W
Georgia	3.84	W	W	W	3.55	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	3.38	5.43	4.93	--	2.86	2.69	2.63	2.27
Illinois	3.32	W	W	3.50	3.11	3.15	3.10	2.90
Indiana	3.43	W	W	3.54	¥3.28	3.24	3.07	3.14
Iowa	3.02	3.81	3.61	3.26	2.90	¥3.12	2.78	2.79
Kansas	3.30	5.54	4.20	4.06	3.01	3.23	3.27	2.95
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	--	W	W	W	W	W	--
Maryland	4.31	W	4.44	3.38	3.38	3.47	3.34	3.47
Massachusetts	5.09	W	5.75	W	3.05	3.21	2.90	2.84
Michigan	3.41	4.36	4.35	3.72	3.37	3.40	3.20	3.18
Minnesota	3.80	6.08	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	1.33	1.19	1.56	1.01	1.41	1.04	1.26	1.01
Nebraska	3.91	5.22	4.82	4.15	3.93	3.66	3.24	3.37
Nevada	3.29	6.45	4.03	2.96	2.82	3.37	3.08	2.60
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	3.25	3.99	3.80	2.76	2.63	2.94	2.71	2.70
New Mexico	2.54	2.42	2.51	2.35	2.19	2.45	2.59	2.64
New York	3.89	5.42	4.44	3.20	3.01	3.21	3.09	2.95
North Carolina	W	W	W	W	W	W	W	W
North Dakota	6.14	6.65	8.85	4.67	5.16	3.17	5.63	5.39
Ohio	3.25	4.23	4.17	3.36	3.04	3.03	2.98	2.95
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	3.10	3.92	3.83	2.74	2.55	2.80	2.62	2.53
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	3.97	W	W	W	W	W	W	W
South Dakota	--	--	--	--	--	--	--	--
Tennessee	3.13	4.35	3.88	¥3.27	2.92	2.87	2.73	2.91
Texas	3.17	3.87	3.81	3.29	2.97	3.05	2.95	3.01
Utah	3.23	5.92	4.16	2.89	2.73	2.87	2.73	2.61
Vermont	--	--	--	--	--	--	--	--
Virginia	4.33	W	4.60	3.67	3.23	3.37	3.23	3.29
Washington	W	W	W	W	W	W	W	W
West Virginia	2.98	5.07	W	W	W	W	W	W
Wisconsin	3.29	3.97	3.96	3.39	3.05	3.04	2.96	3.10
Wyoming	3.27	W	W	W	2.96	W	W	W
<b>Total</b>	<b>3.67</b>	<b>4.89</b>	<b>4.32</b>	<b>3.50</b>	<b>3.21</b>	<b>3.39</b>	<b>¥3.41</b>	<b>3.21</b>

See footnotes at end of table.

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

State	2018					2017		
	May	April	March	February	January	Total	December	November
Alabama	W	W	W	W	W	W	W	W
Alaska	7.76	7.76	8.44	8.44	8.44	8.10	8.13	8.13
Arizona	W	W	W	3.33	W	3.68	W	W
Arkansas	W	W	W	W	W	W	W	W
California	2.88	3.06	W	3.72	3.79	W	W	W
Colorado	W	W	W	W	W	W	W	W
Connecticut	2.74	3.92	4.25	7.69	11.06	W	W	4.17
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	4.58	4.38
Georgia	W	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	3.32	--	--	--	--
Illinois	3.17	W	W	W	4.90	3.11	W	W
Indiana	3.10	W	W	W	4.32	W	W	W
Iowa	2.63	2.84	2.54	2.65	4.17	3.24	5.61	3.18
Kansas	2.67	3.10	3.03	3.46	4.32	3.68	4.27	3.52
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	W	W	W	W	W	W	--
Maryland	3.56	3.27	3.24	W	W	W	4.89	3.28
Massachusetts	2.47	5.54	4.27	W	14.30	3.82	8.72	W
Michigan	2.98	3.11	2.86	2.99	3.97	3.27	3.09	3.30
Minnesota	W	W	W	W	W	W	3.16	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	3.03	2.97	2.73
Montana	1.14	1.26	1.68	1.82	2.06	1.85	1.98	1.91
Nebraska	3.05	3.94	4.53	4.74	6.76	4.19	5.97	4.89
Nevada	2.40	2.76	2.91	3.39	3.37	3.50	3.47	3.40
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.52	2.90	2.95	3.07	7.90	3.01	5.39	2.95
New Mexico	2.18	2.04	2.59	3.06	4.18	3.58	3.67	3.69
New York	2.82	3.19	3.50	5.50	8.21	3.44	5.12	3.40
North Carolina	W	W	W	W	W	W	W	W
North Dakota	2.24	5.50	2.74	16.91	15.38	5.31	7.74	5.43
Ohio	2.76	2.87	2.72	2.96	3.63	3.05	3.00	2.94
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	2.44	2.65	2.66	3.36	5.92	2.58	3.93	2.37
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	W	W	W	3.68	W	W	W	W
South Dakota	--	--	--	--	--	--	--	--
Tennessee	2.61	2.59	2.77	3.17	3.61	3.04	3.02	2.92
Texas	2.87	2.84	2.75	2.90	4.07	3.13	2.95	3.10
Utah	2.49	2.54	2.89	3.39	3.19	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	3.24	3.50	W	W	W	3.48	W	W
Washington	W	W	W	W	W	4.11	4.13	4.39
West Virginia	W	W	W	W	W	W	W	W
Wisconsin	2.96	3.24	2.92	3.38	3.99	W	3.04	3.39
Wyoming	W	W	W	W	W	W	3.10	3.69
<b>Total</b>	<b>3.15</b>	<b>3.25</b>	<b>3.32</b>	<b>3.74</b>	<b>5.35</b>	<b>3.52</b>	<b>3.81</b>	<b>3.50</b>

See footnotes at end of table.

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

State	2017							
	October	September	August	July	June	May	April	March
Alabama	W	W	W	W	W	W	W	W
Alaska	8.09	8.09	8.09	8.09	8.09	8.09	8.09	8.09
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	W	W	W	W	W	W	W
Colorado	W	W	W	W	W	W	W	W
Connecticut	2.86	2.67	W	W	W	W	W	W
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	4.33	W	3.59	4.02
Georgia	W	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Illinois	W	W	W	3.23	3.06	W	W	W
Indiana	W	W	W	W	W	W	W	W
Iowa	2.76	2.87	2.80	2.92	2.74	2.84	2.85	4.71
Kansas	3.24	3.65	3.44	3.22	3.43	4.10	3.88	3.52
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	W	W	W	W	--	W	W
Maryland	3.21	3.00	3.27	3.44	3.25	3.37	3.40	4.90
Massachusetts	W	2.29	2.42	2.58	2.65	3.36	3.47	4.35
Michigan	3.11	3.29	3.23	3.21	3.22	3.44	3.45	3.16
Minnesota	W	W	W	W	W	W	3.40	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	2.68	3.10	3.19	3.07	3.22	3.40	3.03	2.59
Montana	0.72	1.49	1.52	1.52	2.10	2.49	2.22	2.09
Nebraska	4.02	4.12	3.64	3.48	3.51	4.03	4.37	5.17
Nevada	3.14	3.35	3.27	3.29	3.48	3.49	3.74	3.60
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	1.63	2.04	2.19	2.44	2.42	3.24	3.34	3.45
New Mexico	3.36	3.45	3.50	3.53	3.51	3.69	3.85	3.27
New York	2.33	2.36	2.56	2.75	2.96	3.29	3.39	4.26
North Carolina	W	W	W	W	W	W	W	W
North Dakota	8.67	4.98	6.35	6.14	4.36	4.37	4.42	5.52
Ohio	2.89	2.81	2.76	2.91	3.06	3.22	3.28	2.93
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	1.47	1.71	2.03	2.27	2.39	3.00	3.00	2.86
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	--	--	--	--	--	--	--	--
Tennessee	2.88	2.99	2.86	2.93	3.07	2.96	3.04	3.00
Texas	3.11	3.11	3.03	3.11	3.17	3.29	3.22	3.02
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	2.67	2.94	3.09	3.10	3.59	3.67	W
Washington	3.70	3.94	3.62	4.03	5.16	3.85	3.67	3.74
West Virginia	W	W	W	W	W	W	3.36	W
Wisconsin	3.16	3.23	3.16	W	W	W	W	W
Wyoming	W	W	W	W	W	W	W	10.87
<b>Total</b>	<b>3.27</b>	<b>3.31</b>	<b>3.27</b>	<b>3.32</b>	<b>3.41</b>	<b>3.61</b>	<b>3.50</b>	<b>3.52</b>

See footnotes at end of table.

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

State	2017							2016
	February	January	Total	December	November	October	September	August
Alabama	W	W	W	W	W	W	W	W
Alaska	8.09	8.09	6.65	7.21	6.91	6.86	6.52	6.49
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	W	3.16	4.05	3.22	3.33	3.51	3.39
Colorado	W	W	W	W	W	W	W	W
Connecticut	5.84	8.10	3.67	5.49	3.34	2.45	2.92	3.09
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.38	4.92	3.86	W	W	W	W	3.95
Georgia	W	W	3.08	W	3.15	3.59	3.59	3.33
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	2.92	4.05	4.66	4.78	3.38	2.89
Illinois	W	W	2.88	W	W	3.18	3.29	3.07
Indiana	W	W	W	W	W	W	W	W
Iowa	4.85	5.12	2.81	3.83	3.02	3.00	3.00	2.94
Kansas	4.82	4.92	3.48	5.05	3.28	3.96	3.52	3.53
Kentucky	5.96	W	W	W	W	W	W	W
Louisiana	W	W	2.76	W	W	W	W	W
Maine	W	W	W	W	--	W	W	W
Maryland	4.25	5.50	2.97	4.98	3.67	2.75	2.47	2.97
Massachusetts	W	W	3.29	6.00	4.05	3.28	3.00	3.24
Michigan	3.18	3.63	2.81	3.93	2.77	3.19	3.32	3.12
Minnesota	3.49	4.49	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	3.05	3.43	W	W	W	W	W	W
Montana	2.25	2.36	W	2.40	2.02	W	2.05	1.93
Nebraska	6.48	5.61	3.31	4.75	3.17	3.54	3.70	3.48
Nevada	3.80	4.37	3.02	3.77	3.35	3.46	3.39	3.23
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	3.64	4.06	2.20	4.01	2.45	1.86	1.70	1.92
New Mexico	3.65	4.02	3.07	4.21	3.06	3.30	3.43	3.30
New York	4.54	5.41	2.76	5.48	2.95	1.98	2.18	2.56
North Carolina	W	W	W	W	W	W	W	W
North Dakota	4.80	6.31	2.69	3.52	2.69	3.05	3.03	2.94
Ohio	3.26	3.84	2.36	3.41	2.33	2.30	2.59	2.55
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	3.21	4.12	1.94	3.52	2.10	1.29	1.51	1.68
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	--	--	2.62	3.92	2.50	3.38	3.39	2.94
Tennessee	3.09	3.82	2.61	3.44	2.84	3.15	2.91	2.69
Texas	3.13	3.47	2.67	3.44	2.71	3.24	3.13	2.94
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W	W
Washington	5.57	4.95	W	W	W	W	W	W
West Virginia	W	W	W	5.88	2.84	1.69	1.97	W
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	W	4.04	W	11.85	W	11.39	W	W
<b>Total</b>	<b>3.74</b>	<b>4.33</b>	<b>2.99</b>	<b>4.15</b>	<b>3.14</b>	<b>3.23</b>	<b>3.18</b>	<b>3.07</b>

See footnotes at end of table.

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

State	2016						
	July	June	May	April	March	February	January
Alabama	W	W	W	W	W	W	W
Alaska	6.81	7.10	6.43	6.47	6.34	6.43	6.47
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	3.42	2.95	W	2.43	2.52	2.80	3.02
Colorado	W	W	W	W	W	W	W
Connecticut	3.13	2.33	2.39	2.74	4.63	5.63	6.12
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.72	3.43	W	W	W	W	W
Georgia	3.30	3.03	2.44	2.40	2.23	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	2.83	2.47	2.41	11.72	2.26	2.25	2.67
Illinois	3.06	W	2.25	2.24	2.31	W	W
Indiana	W	W	W	W	W	W	W
Iowa	2.83	2.63	2.10	2.61	2.23	2.57	2.96
Kansas	3.26	3.07	3.15	3.16	2.84	4.22	4.26
Kentucky	W	W	W	W	W	3.35	W
Louisiana	3.08	2.63	W	W	W	W	W
Maine	W	W	W	W	W	W	W
Maryland	2.94	3.01	2.50	2.40	2.69	5.64	3.59
Massachusetts	2.92	2.41	2.18	3.05	2.00	3.64	5.75
Michigan	3.04	2.75	2.28	2.31	2.14	2.37	2.67
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	W	1.64	1.55	1.47	1.38	1.61	W
Nebraska	3.41	3.32	2.77	2.44	2.34	2.81	3.52
Nevada	3.38	2.57	2.54	2.40	2.30	2.78	2.98
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.09	2.13	1.95	1.76	1.62	2.83	3.02
New Mexico	3.31	2.87	2.47	2.69	2.56	2.57	2.91
New York	2.73	2.35	2.12	2.37	2.23	3.45	3.82
North Carolina	W	W	W	W	W	W	W
North Dakota	2.84	2.59	2.01	2.05	1.88	2.19	2.41
Ohio	2.80	2.32	2.03	2.01	1.63	2.00	2.20
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	1.86	1.90	1.65	1.61	1.43	2.33	2.60
Rhode Island	2.92	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W
South Dakota	2.87	2.53	2.10	2.07	1.82	2.08	2.57
Tennessee	2.74	2.37	1.96	1.96	2.05	2.33	2.58
Texas	2.95	2.62	2.17	2.14	1.91	2.19	2.53
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W
Washington	W	W	W	W	W	W	W
West Virginia	3.22	2.00	2.03	2.13	1.93	2.07	2.22
Wisconsin	W	W	W	W	W	W	W
Wyoming	W	W	W	7.07	W	W	W
<b>Total</b>	<b>3.07</b>	<b>2.77</b>	<b>2.49</b>	<b>2.52</b>	<b>2.33</b>	<b>2.83</b>	<b>3.18</b>

<sup>a</sup> 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.

<sup>b</sup> Revised data.

-- Not applicable.

<sup>w</sup> 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, 2017-2018**

State	2018								
	Total			December			November		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	78.8	25.8	100.0	82.0	26.1	100.0	73.5	25.4
Alaska	100.0	NA	100.0	100.0	NA	100.0	100.0	99.1	100.0
Arizona	NA	NA	NA	100.0	73.5	12.7	100.0	71.3	13.3
Arkansas	100.0	40.2	NA	100.0	46.4	1.9	100.0	35.5	1.7
California	NA	NA	NA	95.3	54.6	4.4	94.9	NA	4.2
Colorado	100.0	NA	NA	100.0	94.9	8.5	100.0	95.1	8.4
Connecticut	NA	76.9	50.9	96.7	78.1	54.7	95.8	75.6	51.1
Delaware	NA	NA	NA	100.0	42.5	0.4	100.0	NA	NA
District of Columbia	75.6	NA	0.0	76.3	23.7	0.0	74.0	22.1	0.0
Florida	91.6	NA	NA	91.4	32.1	NA	90.6	30.2	3.4
Georgia	100.0	100.0	NA	100.0	100.0	23.4	100.0	100.0	24.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	NA	2.9	100.0	84.0	3.0	100.0	79.3	2.8
Illinois	86.8	34.7	NA	87.8	38.7	9.8	90.3	39.5	NA
Indiana	NA	NA	NA	96.2	69.7	2.1	96.1	68.2	1.8
Iowa	100.0	NA	NA	100.0	68.3	3.6	100.0	69.9	3.7
Kansas	NA	53.0	6.1	NA	58.0	0.9	100.0	58.2	1.0
Kentucky	NA	79.5	NA	97.2	82.1	17.2	98.2	79.7	15.1
Louisiana	NA	NA	NA	100.0	79.5	2.9	100.0	74.6	4.0
Maine	100.0	NA	8.4	100.0	66.2	9.0	100.0	60.3	8.8
Maryland	NA	NA	NA	76.2	31.4	4.4	77.2	26.7	3.2
Massachusetts	NA	NA	28.4	97.5	48.3	29.8	97.6	39.9	27.7
Michigan	93.7	NA	NA	93.5	61.4	10.0	94.3	61.1	6.6
Minnesota	NA	NA	NA	100.0	NA	22.0	100.0	89.0	22.4
Mississippi	99.8	NA	8.6	100.0	87.5	9.2	100.0	83.9	9.6
Missouri	100.0	74.1	NA	100.0	77.3	NA	100.0	71.7	12.5
Montana	NA	NA	1.5	99.5	48.5	2.0	99.5	44.0	1.3
Nebraska	NA	55.2	6.1	88.6	58.9	6.8	87.3	51.6	5.9
Nevada	100.0	58.6	14.3	100.0	66.0	20.6	100.0	58.9	15.8
New Hampshire	100.0	56.4	NA	100.0	58.0	8.0	100.0	55.1	6.1
New Jersey	95.5	NA	NA	95.9	NA	NA	96.0	41.1	NA
New Mexico	NA	NA	NA	100.0	NA	NA	NA	NA	6.5
New York	100.0	100.0	NA	100.0	100.0	7.3	100.0	100.0	4.7
North Carolina	100.0	NA	NA	100.0	89.0	14.2	100.0	88.0	12.6
North Dakota	100.0	NA	37.2	100.0	94.4	41.8	100.0	93.6	31.6
Ohio	100.0	100.0	NA	100.0	100.0	1.3	100.0	100.0	1.1
Oklahoma	100.0	45.4	NA	100.0	48.3	NA	100.0	32.8	8.1
Oregon	100.0	NA	15.6	100.0	95.4	17.0	100.0	94.6	15.7
Pennsylvania	NA	36.9	NA	NA	38.8	1.5	88.7	37.3	0.9
Rhode Island	100.0	53.5	NA	100.0	54.1	5.6	100.0	52.1	4.9
South Carolina	100.0	NA	NA	100.0	NA	39.5	100.0	93.2	41.4
South Dakota	NA	NA	NA	100.0	81.7	7.5	100.0	77.5	6.1
Tennessee	100.0	NA	NA	100.0	91.5	25.3	100.0	88.3	NA
Texas	NA	72.2	35.7	99.9	76.6	33.6	99.9	71.0	34.9
Utah	100.0	NA	2.8	100.0	72.4	2.7	100.0	67.3	2.5
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	NA	91.1	56.3	11.0	91.7	56.3	12.5
Washington	100.0	NA	NA	100.0	89.4	10.3	100.0	88.1	7.3
West Virginia	NA	55.1	4.1	100.0	61.4	3.7	100.0	59.9	4.0
Wisconsin	100.0	73.0	17.8	100.0	78.6	19.6	100.0	75.2	19.3
Wyoming	NA	50.7	NA	68.9	56.7	1.2	70.1	57.0	1.1
<b>Total</b>	<b>96.0</b>	<b>65.5</b>	<b>14.2</b>	<b>96.2</b>	<b>67.8</b>	<b>14.3</b>	<b>96.4</b>	<b>66.5</b>	<b>14.2</b>

See footnotes at end of table.

**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2018 – continued**

State	2018								
	October			September			August		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	70.2	25.7	100.0	73.2	24.1	100.0	71.9	25.6
Alaska	100.0	98.2	100.0	100.0	95.8	100.0	100.0	95.5	100.0
Arizona	100.0	70.8	13.4	100.0	NA	14.3	NA	NA	NA
Arkansas	100.0	25.0	1.3	100.0	23.9	1.3	100.0	23.5	1.4
California	94.5	46.7	4.6	94.4	48.2	3.5	NA	NA	NA
Colorado	100.0	94.5	6.6	100.0	90.5	NA	100.0	NA	5.8
Connecticut	94.8	73.3	46.6	95.3	72.0	52.3	95.1	71.6	51.6
Delaware	100.0	19.5	0.3	100.0	NA	NA	100.0	20.0	0.3
District of Columbia	71.1	20.3	0.0	73.2	18.8	0.0	68.5	17.9	0.0
Florida	91.5	27.8	3.5	91.9	27.0	NA	92.0	NA	3.7
Georgia	100.0	100.0	25.1	100.0	100.0	24.5	100.0	100.0	24.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	70.7	2.6	100.0	61.5	3.0	100.0	59.0	3.1
Illinois	90.9	33.9	4.8	87.9	21.1	3.1	85.7	20.1	2.3
Indiana	95.5	66.4	NA	NA	NA	NA	95.6	54.2	0.7
Iowa	100.0	64.5	2.7	100.0	NA	1.9	100.0	50.5	2.0
Kansas	100.0	38.2	2.0	100.0	28.1	6.0	100.0	25.3	13.7
Kentucky	98.7	75.8	16.3	NA	70.1	16.1	97.9	68.0	16.7
Louisiana	100.0	72.5	3.6	100.0	76.1	3.5	100.0	76.1	4.5
Maine	100.0	50.2	7.0	100.0	46.7	5.6	100.0	NA	6.4
Maryland	77.5	NA	2.3	72.7	NA	NA	72.0	18.7	1.3
Massachusetts	97.4	32.5	21.9	97.4	28.7	23.5	97.3	27.9	24.8
Michigan	94.8	48.7	5.5	94.4	42.6	2.6	94.0	37.1	2.0
Minnesota	100.0	86.2	17.6	100.0	80.6	15.6	100.0	75.4	13.5
Mississippi	100.0	79.7	8.0	100.0	77.2	8.1	100.0	77.9	7.3
Missouri	100.0	62.1	9.3	100.0	57.4	9.7	100.0	58.4	9.9
Montana	99.5	42.4	1.2	99.4	26.0	0.7	99.4	31.0	0.8
Nebraska	86.0	44.6	5.0	89.3	41.1	5.4	89.5	39.5	5.2
Nevada	100.0	51.0	13.5	100.0	48.8	10.2	100.0	46.9	8.7
New Hampshire	100.0	48.0	4.6	100.0	47.0	3.7	100.0	48.1	2.5
New Jersey	96.1	39.6	NA	95.6	29.7	NA	95.6	25.9	NA
New Mexico	99.9	43.8	7.9	100.0	50.6	8.2	100.0	49.9	9.3
New York	100.0	100.0	4.1	100.0	100.0	3.3	100.0	100.0	3.6
North Carolina	100.0	85.8	11.0	100.0	NA	11.1	100.0	NA	8.8
North Dakota	100.0	93.3	39.3	100.0	86.4	39.8	100.0	85.3	34.6
Ohio	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	NA
Oklahoma	100.0	24.6	6.2	100.0	28.9	8.1	100.0	30.0	8.7
Oregon	100.0	93.6	14.9	100.0	92.4	16.0	100.0	91.8	13.6
Pennsylvania	89.2	31.3	0.5	87.5	26.7	0.3	87.2	26.7	0.4
Rhode Island	100.0	53.9	4.5	100.0	53.2	4.7	100.0	50.7	4.2
South Carolina	100.0	91.0	39.9	100.0	90.3	39.8	100.0	89.8	38.7
South Dakota	100.0	75.6	NA	100.0	70.0	1.6	100.0	68.9	1.8
Tennessee	100.0	82.2	23.3	100.0	79.6	21.9	100.0	77.1	22.2
Texas	99.8	65.4	35.4	99.2	59.6	36.0	NA	61.5	35.9
Utah	100.0	60.0	2.6	100.0	53.5	2.1	100.0	55.7	2.3
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	94.0	48.3	9.2	90.1	41.6	NA	88.5	41.8	10.1
Washington	100.0	86.0	5.6	100.0	82.0	NA	100.0	NA	NA
West Virginia	100.0	46.3	3.8	100.0	31.9	4.0	100.0	29.8	4.0
Wisconsin	100.0	67.0	19.0	100.0	53.4	15.6	100.0	48.0	12.1
Wyoming	69.7	56.6	0.9	NA	46.8	1.1	72.9	49.0	1.2
<b>Total</b>	<b>96.5</b>	<b>61.0</b>	<b>13.8</b>	<b>96.2</b>	<b>56.5</b>	<b>13.8</b>	<b>95.6</b>	<b>54.8</b>	<b>13.9</b>

See footnotes at end of table.

**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2018 – continued**

State	2018								
	July			June			May		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	71.1	24.5	100.0	73.7	25.3	100.0	76.7	25.8
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	13.3	100.0	NA	12.2
Arkansas	100.0	24.3	1.2	100.0	24.8	1.1	100.0	33.9	1.2
California	94.5	49.1	3.3	94.6	50.6	4.0	94.6	53.8	4.1
Colorado	100.0	90.3	5.8	100.0	NA	5.1	100.0	NA	6.5
Connecticut	95.1	72.6	50.1	95.3	72.9	48.6	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	90.9	27.5	NA	90.8	29.0	4.5
Georgia	100.0	100.0	23.4	100.0	100.0	NA	100.0	100.0	23.2
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	21.7	3.5	77.4	21.5	6.1
Indiana	95.5	52.6	0.7	95.5	52.6	0.7	95.1	51.9	1.0
Iowa	100.0	46.3	2.1	100.0	47.9	1.9	100.0	52.3	2.3
Kansas	100.0	26.8	16.7	100.0	30.2	11.7	100.0	34.8	9.5
Kentucky	97.8	66.6	16.8	97.6	66.2	17.6	95.3	69.6	16.3
Louisiana	100.0	75.9	4.2	100.0	76.7	4.0	100.0	78.9	3.6
Maine	100.0	NA	6.1	100.0	52.1	7.1	100.0	57.7	8.2
Maryland	73.2	21.6	1.2	73.0	17.9	NA	NA	NA	1.8
Massachusetts	97.2	29.7	23.7	97.3	34.5	22.9	97.3	42.8	30.5
Michigan	94.1	NA	2.8	94.0	39.4	2.5	90.2	41.7	4.5
Minnesota	100.0	74.1	12.7	100.0	76.8	14.1	NA	NA	NA
Mississippi	100.0	77.3	7.7	100.0	78.1	7.5	100.0	80.4	7.5
Missouri	100.0	58.7	8.3	100.0	60.9	9.6	100.0	67.7	12.2
Montana	99.4	37.8	0.7	99.4	41.9	0.7	99.5	49.0	1.2
Nebraska	NA	42.3	5.1	89.0	40.0	5.4	87.5	50.2	6.5
Nevada	100.0	48.6	8.2	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	6.0
New Jersey	95.5	NA	5.4	95.5	30.9	NA	95.4	32.8	NA
New Mexico	99.9	37.6	NA	100.0	45.2	NA	100.0	58.3	NA
New York	100.0	100.0	3.6	100.0	100.0	NA	100.0	100.0	5.6
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	35.5	100.0	NA	29.5
Ohio	100.0	100.0	NA	100.0	100.0	0.5	100.0	100.0	0.6
Oklahoma	100.0	29.0	9.2	100.0	34.0	NA	100.0	46.3	7.8
Oregon	100.0	92.5	13.5	100.0	92.6	14.1	100.0	92.2	14.2
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	90.7	40.3	100.0	89.7	41.7
South Dakota	100.0	71.7	1.5	100.0	75.8	1.7	100.0	NA	3.6
Tennessee	100.0	79.0	20.3	100.0	81.0	21.6	100.0	84.3	24.2
Texas	98.5	63.5	34.7	99.2	64.0	35.5	99.4	66.9	35.1
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	88.6	40.8	NA	86.0	38.7	8.5
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	30.7	4.5	NA	36.0	4.7
Wisconsin	100.0	51.5	12.5	100.0	53.2	11.2	100.0	61.5	15.4
Wyoming	73.0	46.7	1.2	73.2	47.1	1.4	72.0	48.0	NA
<b>Total</b>	<b>95.8</b>	<b>56.1</b>	<b>13.7</b>	<b>95.7</b>	<b>57.4</b>	<b>13.8</b>	<b>94.8</b>	<b>59.7</b>	<b>13.9</b>

See footnotes at end of table.

**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2018 – continued**

State	2018								
	April			March			February		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	78.3	26.5	100.0	77.3	26.9	100.0	86.6	26.6
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	11.4	100.0	NA	12.9
Arkansas	100.0	39.9	1.4	100.0	45.6	1.4	100.0	54.5	2.1
California	94.6	52.1	4.3	94.8	54.8	4.5	95.4	55.2	5.2
Colorado	100.0	NA	7.2	100.0	NA	7.8	100.0	NA	8.4
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	90.5	29.6	4.1	90.5	29.5	3.8	92.4	31.7	5.1
Georgia	100.0	100.0	24.2	100.0	100.0	23.0	100.0	100.0	24.2
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	34.5	8.5	86.6	37.6	8.9	86.0	38.5	NA
Indiana	95.9	66.5	1.9	96.0	69.5	1.9	95.9	68.9	2.6
Iowa	100.0	67.5	2.3	100.0	69.3	2.9	100.0	NA	NA
Kansas	100.0	54.6	5.6	100.0	57.0	4.3	100.0	65.6	1.3
Kentucky	96.4	78.8	15.7	97.4	81.5	16.4	96.6	83.1	NA
Louisiana	100.0	78.7	4.4	NA	NA	3.6	100.0	84.1	4.3
Maine	100.0	61.8	10.3	100.0	63.6	10.4	100.0	NA	10.1
Maryland	76.1	24.8	NA	76.0	32.4	NA	74.6	29.8	NA
Massachusetts	97.7	48.8	28.4	NA	NA	30.5	97.7	52.1	31.8
Michigan	93.4	62.0	7.9	93.8	60.5	8.5	93.6	61.4	NA
Minnesota	100.0	88.9	18.0	NA	NA	22.1	100.0	90.6	22.1
Mississippi	100.0	83.0	8.4	100.0	NA	8.4	100.0	88.1	11.2
Missouri	100.0	75.4	16.4	100.0	75.9	14.7	100.0	79.2	18.8
Montana	99.5	51.4	2.0	NA	NA	2.4	99.5	50.9	2.5
Nebraska	88.3	58.7	6.3	88.4	60.6	6.7	88.1	60.0	7.2
Nevada	100.0	57.5	15.3	100.0	64.9	17.6	100.0	64.3	18.3
New Hampshire	100.0	56.8	NA	100.0	58.2	NA	100.0	58.6	16.5
New Jersey	95.3	38.8	NA	95.5	47.2	NA	95.1	41.9	NA
New Mexico	100.0	60.8	6.0	100.0	61.3	4.4	100.0	65.3	3.8
New York	100.0	100.0	7.2	100.0	100.0	7.5	100.0	100.0	8.4
North Carolina	100.0	82.7	11.5	100.0	89.0	12.4	100.0	84.2	15.1
North Dakota	100.0	92.9	40.9	100.0	NA	35.1	100.0	94.2	39.0
Ohio	100.0	100.0	1.2	100.0	100.0	1.1	100.0	100.0	NA
Oklahoma	100.0	45.6	7.5	100.0	54.3	7.6	100.0	52.5	7.5
Oregon	100.0	93.8	16.1	100.0	94.8	16.7	100.0	NA	17.8
Pennsylvania	85.8	35.7	1.4	87.5	40.6	1.7	86.2	38.9	NA
Rhode Island	100.0	52.1	NA	100.0	54.0	3.8	100.0	53.7	4.1
South Carolina	100.0	89.9	41.5	100.0	92.4	NA	100.0	92.4	43.4
South Dakota	100.0	83.2	NA	NA	NA	6.0	100.0	83.6	5.7
Tennessee	100.0	88.9	23.4	100.0	NA	25.6	100.0	93.1	25.8
Texas	99.7	70.5	36.7	99.9	75.9	38.6	100.0	78.4	35.4
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	89.0	49.4	11.5	91.8	58.6	12.5	90.4	52.8	11.3
Washington	100.0	NA	6.6	100.0	87.3	NA	100.0	83.9	7.3
West Virginia	100.0	57.3	4.5	100.0	65.3	4.0	100.0	63.0	4.0
Wisconsin	100.0	74.1	20.0	100.0	75.8	19.0	100.0	78.6	20.2
Wyoming	71.2	49.5	1.7	70.2	49.8	1.9	69.2	48.9	2.6
<b>Total</b>	<b>95.6</b>	<b>65.4</b>	<b>14.8</b>	<b>95.9</b>	<b>68.4</b>	<b>15.0</b>	<b>96.0</b>	<b>69.1</b>	<b>14.6</b>

See footnotes at end of table.

**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2018 – 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	100.0	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	97.8	56.1	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	13.9	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
<b>Total</b>	<b>96.1</b>	<b>71.2</b>	<b>15.0</b>	<b>95.9</b>	<b>65.4</b>	<b>14.5</b>	<b>96.5</b>	<b>69.1</b>	<b>15.0</b>

See footnotes at end of table.

**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2018 – 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
<b>Total</b>	<b>96.0</b>	<b>65.8</b>	<b>14.5</b>	<b>96.4</b>	<b>61.5</b>	<b>14.2</b>	<b>96.1</b>	<b>56.2</b>	<b>13.7</b>

<sup>R</sup> Revised data.

-- Not applicable.

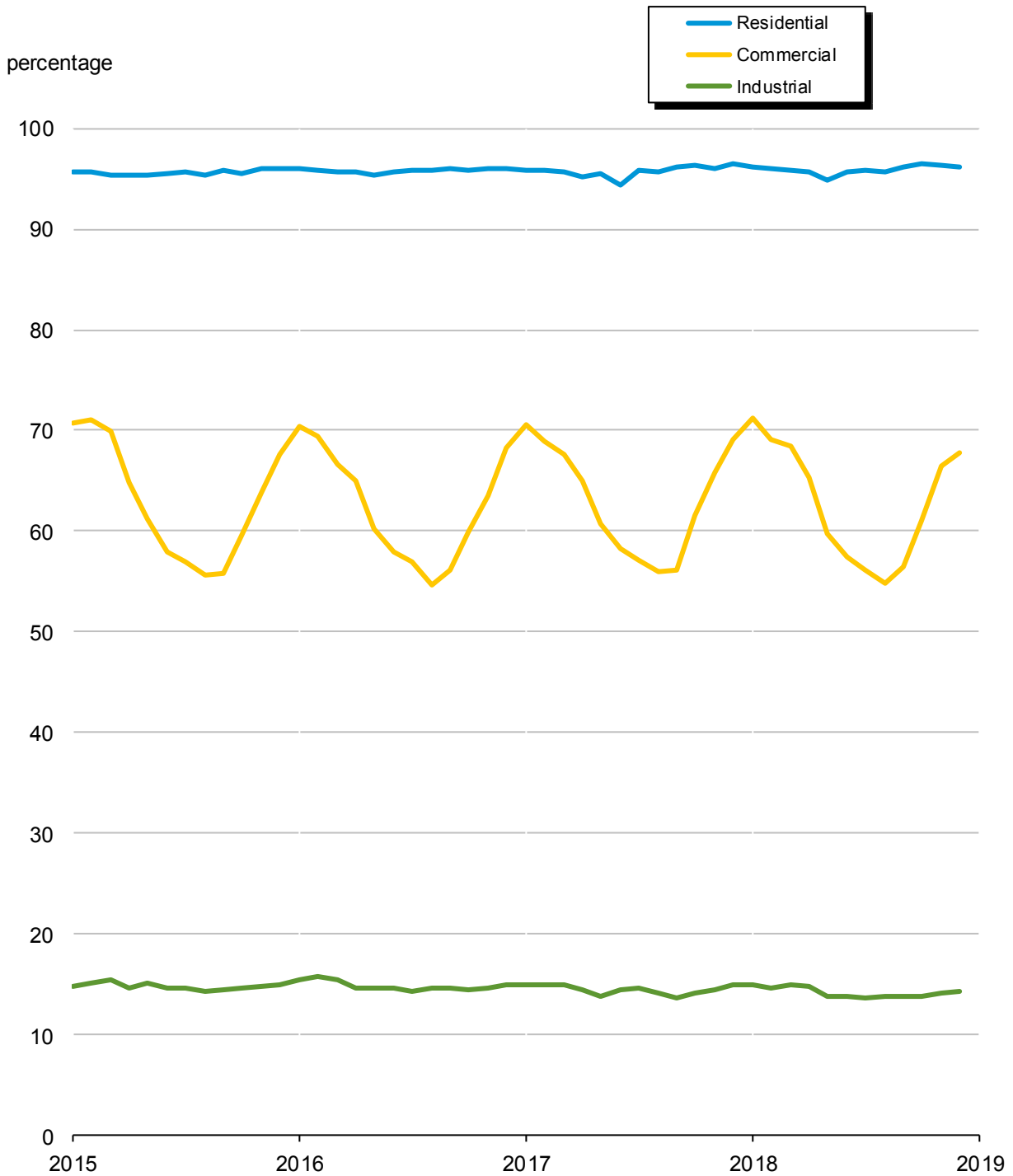
<sup>NA</sup> Not available.

**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

Figure 6



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

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

State	2018							
	Total	December	November	October	September	August	July	June
Alabama	1,027	1,025	1,028	1,031	1,028	1,026	1,024	1,027
Alaska	975	976	979	979	970	937	956	953
Arizona	1,041	1,037	1,043	1,043	1,044	1,042	1,041	1,041
Arkansas	1,018	1,015	1,028	1,015	1,013	1,015	1,018	1,017
California	1,033	1,032	1,033	1,033	1,033	1,035	1,035	1,034
Colorado	1,079	1,083	1,082	1,089	1,096	1,091	1,089	1,089
Connecticut	1,028	1,030	1,029	1,028	1,027	1,027	1,027	1,027
Delaware	1,039	1,040	1,035	1,037	1,040	1,037	1,038	1,043
District of Columbia	1,040	1,045	1,041	1,036	1,030	1,027	1,031	1,029
Florida	1,023	1,022	1,024	1,023	1,022	1,021	1,026	1,021
Georgia	1,028	1,026	1,028	1,030	1,031	1,029	1,026	1,028
Hawaii	962	960	953	968	953	932	961	956
Idaho	1,035	1,027	1,026	1,032	1,024	1,020	1,037	1,029
Illinois	1,030	1,034	1,030	1,027	1,025	1,024	1,027	1,026
Indiana	1,046	1,047	1,045	1,043	1,049	1,052	1,051	1,054
Iowa	1,062	1,061	1,066	1,068	1,076	1,069	1,075	1,066
Kansas	1,039	1,043	1,041	1,035	1,036	1,040	1,041	1,048
Kentucky	1,051	1,058	1,052	1,045	1,046	1,046	1,047	1,044
Louisiana	1,022	1,024	1,019	1,024	1,024	1,023	1,022	1,022
Maine	1,042	1,044	1,042	1,044	1,039	1,045	1,047	1,047
Maryland	1,043	1,042	1,045	1,035	1,035	1,034	1,040	1,038
Massachusetts	1,031	1,032	1,030	1,030	1,029	1,030	1,030	1,029
Michigan	1,048	1,051	1,053	1,051	1,049	1,049	1,053	1,053
Minnesota	1,045	1,038	1,047	1,057	1,062	1,060	1,065	1,052
Mississippi	1,026	1,028	1,027	1,027	1,029	1,026	1,026	1,025
Missouri	1,024	1,023	1,022	1,023	1,025	1,028	1,030	1,031
Montana	1,046	1,045	1,041	1,042	1,048	1,055	1,056	1,051
Nebraska	1,060	1,062	1,064	1,074	1,073	1,073	1,072	1,062
Nevada	1,037	1,034	1,033	1,035	1,036	1,037	1,041	1,041
New Hampshire	1,031	1,035	1,033	1,030	1,028	1,029	1,030	1,030
New Jersey	1,039	1,042	1,041	1,036	1,035	1,035	1,035	1,034
New Mexico	1,036	1,035	1,035	1,035	1,039	1,040	1,040	1,042
New York	1,032	1,034	1,034	1,031	1,029	1,030	1,030	1,029
North Carolina	1,028	1,028	1,030	1,035	1,030	1,024	1,026	1,029
North Dakota	1,079	1,079	1,084	1,075	1,071	1,076	1,072	1,076
Ohio	1,064	1,065	1,065	1,064	1,063	1,063	1,061	1,060
Oklahoma	1,032	1,029	1,028	1,027	1,028	1,028	1,029	1,031
Oregon	1,062	1,049	1,043	1,055	1,062	1,059	1,066	1,080
Pennsylvania	1,037	1,038	1,037	1,036	1,036	1,035	1,036	1,036
Rhode Island	1,029	1,028	1,030	1,028	1,029	1,028	1,028	1,028
South Carolina	1,027	1,025	1,026	1,027	1,025	1,024	1,024	1,027
South Dakota	1,067	1,070	1,075	1,078	1,079	1,083	1,065	1,063
Tennessee	1,024	1,026	1,027	1,023	1,021	1,019	1,019	1,022
Texas	1,026	1,028	1,026	1,027	1,027	1,027	1,026	1,027
Utah	1,040	1,037	1,038	1,041	1,042	1,039	1,035	1,040
Vermont	1,034	1,040	1,036	1,031	1,024	1,025	1,030	1,033
Virginia	1,052	1,061	1,056	1,050	1,049	1,050	1,046	1,051
Washington	1,088	1,084	1,081	1,086	1,094	1,091	1,092	1,088
West Virginia	1,093	1,089	1,061	1,133	1,104	1,097	1,101	1,100
Wisconsin	1,038	1,044	1,045	1,043	1,034	1,028	1,034	1,039
Wyoming	1,058	1,063	1,048	1,059	1,065	1,066	1,053	1,057
<b>Total</b>	<b>1,036</b>	<b>1,038</b>	<b>1,037</b>	<b>1,036</b>	<b>1,035</b>	<b>1,034</b>	<b>1,035</b>	<b>1,035</b>

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		
	May	April	March	February	January	Total	December	November
Alabama	1,028	1,027	1,028	1,026	1,026	1,030	1,027	1,029
Alaska	980	987	982	991	995	989	992	996
Arizona	1,037	1,035	1,043	1,041	1,045	1,041	1,042	1,040
Arkansas	1,018	1,016	1,017	1,019	1,016	1,019	1,014	1,014
California	1,033	1,031	1,032	1,034	1,036	1,035	1,034	1,033
Colorado	1,081	1,071	1,072	1,064	1,066	1,065	1,065	1,061
Connecticut	1,027	1,029	1,029	1,029	1,030	1,028	1,029	1,029
Delaware	1,035	1,037	1,043	1,043	1,044	1,042	1,047	1,044
District of Columbia	1,027	1,038	1,044	1,042	1,047	1,039	1,045	1,041
Florida	1,023	1,023	1,024	1,023	1,024	1,024	1,022	1,020
Georgia	1,028	1,027	1,029	1,028	1,028	1,030	1,026	1,026
Hawaii	974	974	973	971	965	975	989	969
Idaho	1,058	1,053	1,040	1,039	1,045	1,041	1,038	1,031
Illinois	1,029	1,032	1,031	1,033	1,032	1,029	1,031	1,032
Indiana	1,048	1,042	1,043	1,039	1,041	1,043	1,043	1,050
Iowa	1,061	1,055	1,051	1,054	1,054	1,056	1,059	1,058
Kansas	1,041	1,036	1,037	1,036	1,037	1,034	1,032	1,038
Kentucky	1,046	1,061	1,055	1,051	1,054	1,046	1,055	1,056
Louisiana	1,023	1,019	1,021	1,021	1,022	1,022	1,021	1,020
Maine	1,041	1,042	1,044	1,035	1,035	1,030	1,031	1,030
Maryland	1,041	1,045	1,052	1,043	1,051	1,047	1,048	1,038
Massachusetts	1,029	1,029	1,032	1,032	1,033	1,030	1,031	1,030
Michigan	1,044	1,046	1,047	1,046	1,044	1,043	1,044	1,043
Minnesota	1,040	1,039	1,037	1,038	1,037	1,033	1,039	1,038
Mississippi	1,030	1,025	1,024	1,024	1,024	1,032	1,026	1,027
Missouri	1,027	1,021	1,023	1,023	1,023	1,010	1,021	1,021
Montana	1,048	1,045	1,047	1,043	1,044	1,041	1,052	1,045
Nebraska	1,059	1,053	1,053	1,043	1,052	1,061	1,059	1,054
Nevada	1,041	1,037	1,036	1,036	1,038	1,039	1,039	1,030
New Hampshire	1,028	1,032	1,033	1,033	1,036	1,030	1,033	1,031
New Jersey	1,034	1,039	1,040	1,039	1,042	1,039	1,042	1,042
New Mexico	1,034	1,032	1,031	1,035	1,040	1,042	1,042	1,042
New York	1,029	1,031	1,033	1,032	1,033	1,032	1,034	1,033
North Carolina	1,030	1,025	1,027	1,028	1,029	1,036	1,026	1,032
North Dakota	1,087	1,078	1,080	1,074	1,098	1,080	1,104	1,086
Ohio	1,061	1,065	1,065	1,064	1,068	1,070	1,074	1,071
Oklahoma	1,033	1,032	1,035	1,039	1,041	1,042	1,037	1,036
Oregon	1,080	1,080	1,070	1,070	1,063	1,062	1,059	1,062
Pennsylvania	1,037	1,037	1,039	1,039	1,041	1,040	1,042	1,041
Rhode Island	1,028	1,029	1,029	1,029	1,029	1,029	1,029	1,029
South Carolina	1,028	1,029	1,029	1,029	1,029	1,031	1,028	1,029
South Dakota	1,055	1,058	1,057	1,061	1,063	1,055	1,067	1,058
Tennessee	1,023	1,028	1,028	1,027	1,025	1,031	1,031	1,030
Texas	1,026	1,024	1,025	1,024	1,026	1,029	1,029	1,027
Utah	1,042	1,043	1,034	1,042	1,044	1,042	1,043	1,042
Vermont	1,026	1,034	1,036	1,035	1,036	1,030	1,033	1,033
Virginia	1,048	1,050	1,056	1,049	1,053	1,053	1,057	1,052
Washington	1,088	1,090	1,090	1,086	1,085	1,080	1,084	1,084
West Virginia	1,106	1,091	1,085	1,086	1,091	1,083	1,073	1,086
Wisconsin	1,032	1,040	1,039	1,035	1,040	1,035	1,035	1,039
Wyoming	1,058	1,057	1,057	1,060	1,054	1,060	1,052	1,047
<b>Total</b>	<b>1,034</b>	<b>1,035</b>	<b>1,037</b>	<b>1,037</b>	<b>1,038</b>	<b>1,036</b>	<b>1,039</b>	<b>1,037</b>

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							
	October	September	August	July	June	May	April	March
Alabama	1,030	1,031	1,030	1,031	1,030	1,031	1,030	1,028
Alaska	983	980	964	974	988	995	994	996
Arizona	1,039	1,047	1,040	1,039	1,037	1,038	1,038	1,040
Arkansas	1,021	1,020	1,018	1,017	1,019	1,016	1,022	1,017
California	1,032	1,036	1,036	1,037	1,037	1,033	1,033	1,034
Colorado	1,069	1,067	1,074	1,072	1,069	1,065	1,063	1,062
Connecticut	1,026	1,026	1,026	1,026	1,025	1,025	1,025	1,026
Delaware	1,042	1,042	1,040	1,038	1,037	1,037	1,041	1,045
District of Columbia	1,033	1,034	1,034	1,030	1,029	1,034	1,035	1,047
Florida	1,021	1,022	1,025	1,024	1,023	1,024	1,023	1,023
Georgia	1,028	1,032	1,030	1,032	1,032	1,033	1,030	1,029
Hawaii	984	978	983	987	987	984	959	954
Idaho	1,030	1,037	1,034	1,035	1,069	1,044	1,051	1,037
Illinois	1,030	1,027	1,027	1,027	1,027	1,028	1,030	1,030
Indiana	1,049	1,049	1,050	1,049	1,044	1,042	1,036	1,034
Iowa	1,060	1,061	1,059	1,058	1,056	1,057	1,055	1,052
Kansas	1,034	1,037	1,034	1,034	1,033	1,035	1,041	1,037
Kentucky	1,060	1,051	1,042	1,040	1,043	1,028	1,030	1,035
Louisiana	1,023	1,025	1,022	1,022	1,020	1,022	1,023	1,022
Maine	1,022	1,017	1,018	1,017	1,021	1,022	1,026	1,036
Maryland	1,042	1,045	1,047	1,044	1,041	1,046	1,043	1,055
Massachusetts	1,030	1,030	1,031	1,032	1,030	1,030	1,029	1,031
Michigan	1,042	1,043	1,043	1,042	1,042	1,043	1,039	1,042
Minnesota	1,032	1,029	1,027	1,030	1,028	1,034	1,032	1,033
Mississippi	1,027	1,031	1,030	1,035	1,035	1,032	1,032	1,035
Missouri	1,022	1,020	1,021	1,018	1,020	1,021	1,022	1,021
Montana	1,052	1,042	1,048	1,045	1,040	1,026	1,032	1,036
Nebraska	1,065	1,071	1,069	1,070	1,066	1,063	1,061	1,058
Nevada	1,035	1,038	1,039	1,043	1,044	1,035	1,039	1,039
New Hampshire	1,029	1,028	1,028	1,026	1,030	1,029	1,028	1,032
New Jersey	1,036	1,039	1,038	1,036	1,036	1,037	1,038	1,043
New Mexico	1,041	1,046	1,045	1,043	1,040	1,042	1,040	1,042
New York	1,031	1,031	1,031	1,030	1,031	1,031	1,032	1,033
North Carolina	1,040	1,038	1,036	1,037	1,038	1,040	1,045	1,033
North Dakota	1,094	1,100	1,083	1,085	1,085	1,080	1,080	1,078
Ohio	1,076	1,070	1,069	1,067	1,068	1,068	1,069	1,072
Oklahoma	1,036	1,051	1,043	1,043	1,044	1,041	1,042	1,041
Oregon	1,059	1,058	1,067	1,073	1,086	1,079	1,076	1,035
Pennsylvania	1,039	1,039	1,038	1,038	1,038	1,038	1,038	1,040
Rhode Island	1,030	1,030	1,030	1,030	1,030	1,029	1,029	1,029
South Carolina	1,031	1,032	1,030	1,030	1,030	1,032	1,031	1,030
South Dakota	1,056	1,055	1,054	1,054	1,050	1,051	1,049	1,050
Tennessee	1,027	1,026	1,029	1,030	1,032	1,032	1,029	1,028
Texas	1,028	1,034	1,030	1,030	1,028	1,029	1,030	1,026
Utah	1,041	1,041	1,039	1,041	1,041	1,042	1,042	1,043
Vermont	1,026	1,021	1,022	1,020	1,026	1,024	1,025	1,033
Virginia	1,051	1,050	1,051	1,051	1,052	1,051	1,055	1,057
Washington	1,082	1,075	1,083	1,091	1,082	1,077	1,080	1,078
West Virginia	1,081	1,087	1,055	1,092	1,105	1,094	1,103	1,086
Wisconsin	1,034	1,027	1,027	1,026	1,029	1,036	1,034	1,035
Wyoming	1,049	1,050	1,058	1,055	1,053	1,052	1,051	1,055
<b>Total</b>	<b>1,035</b>	<b>1,036</b>	<b>1,035</b>	<b>1,035</b>	<b>1,035</b>	<b>1,035</b>	<b>1,036</b>	<b>1,037</b>

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

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

**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."

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

Month/Year/Type of data	New England	Middle Atlantic	East North Central	West North Central	South Atlantic
	CT, ME, MA, NH, RI, VT	NJ, NY, PA	IL, IN, MI, OH, WI	IA, KS, MN, MO, ND, NE, SD	DE, FL, GA, MD, DC, NC, SC, VA, WV
<b>November</b>					
Normal	702	664	757	840	443
2017	706	674	743	780	433
2018	780	751	900	986	517
% Diff (normal to 2018)	11.1	13.1	18.9	17.4	16.7
% Diff (2017 to 2018)	10.5	11.4	21.1	26.4	19.4
<b>December</b>					
Normal	1,044	995	1,135	1,250	700
2017	1,146	1,065	1,181	1,216	698
2018	972	900	975	1,087	624
% Diff (normal to 2018)	-6.9	-9.6	-14.1	-13.0	-10.9
% Diff (2017 to 2018)	-15.2	-15.5	-17.4	-10.6	-10.6
<b>January</b>					
Normal	1,208	1,155	1,304	1,392	803
2018	1,205	1,189	1,275	1,344	861
2019	1,166	1,129	1,288	1,348	732
% Diff (normal to 2019)	-3.5	-2.3	-1.2	-3.2	-8.8
% Diff (2018 to 2019)	-3.2	-5.1	1.0	0.3	-15.0
<b>November to January</b>					
Normal	2,954	2,814	3,196	3,482	1,946
2018	3,057	2,928	3,199	3,340	1,992
2019	2,918	2,780	3,163	3,421	1,873
% Diff (normal to 2019)	-1.2	-1.2	-1.0	-1.8	-3.8
% Diff (2018 to 2019)	-4.6	-5.1	-1.1	2.4	-6.0

See footnotes at end of table.

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

Month/Year/Type of data	East South Central	West South Central	Mountain	Pacific <sup>b</sup>	U.S. Average <sup>b</sup>
	AL, KY, MS, TN	AR, LA, OK, TX	AZ, CO, ID, MT, NV, NM, UT, WY	CA, OR, WA	
<b>November</b>					
Normal	455	305	739	366	589
2017	408	198	528	262	534
2018	557	382	727	269	653
% Diff (normal to 2018)	22.4	25.3	-1.6	-26.5	10.9
% Diff (2017 to 2018)	36.5	92.9	37.7	2.7	22.3
<b>December</b>					
Normal	722	537	999	531	885
2017	724	512	893	412	875
2018	618	471	951	494	787
% Diff (normal to 2018)	-14.4	-12.3	-4.8	-7.0	-11.1
% Diff (2017 to 2018)	-14.6	-8.0	6.5	19.9	-10.1
<b>January</b>					
Normal	829	612	1,026	532	991
2018	907	644	848	382	959
2019	736	544	955	476	945
% Diff (normal to 2019)	-11.2	-11.1	-6.9	-10.5	-4.6
% Diff (2018 to 2019)	-18.9	-15.5	12.6	24.6	-1.5
<b>November to January</b>					
Normal	2,006	1,454	2,764	1,429	2,465
2018	2,039	1,354	2,269	1,056	2,368
2019	1,911	1,397	2,633	1,239	2,385
% Diff (normal to 2019)	-4.7	-3.9	-4.7	-13.3	-3.3
% Diff (2018 to 2019)	-6.3	3.2	16.0	17.3	0.7

<sup>a</sup> Normal is based on calculations of data from 1971 through 2000.

<sup>b</sup> Excludes Alaska and Hawaii.

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

**Source:** National Oceanic and Atmospheric Administration.

## Appendix A

### Explanatory Notes

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

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

Components	Reporting Methodology
<b>Supply and Disposition</b>	
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
<b>Consumption by Sector</b>	
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 where available, or, in some cases, from EIA-914 estimates, 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 Refinitiv 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

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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

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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, December 2018

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	1.9	2.2	1.8	1.3	0.09	0.05	0.06
Alaska	1.3	NA	0.0	NA	0.01	1.38	0.00
Arizona	1.8	3.5	3.9	1.7	0.31	0.31	0.03
Arkansas	0.4	0.2	2.6	1.2	0.03	0.02	0.08
California	0.7	1.5	0.6	0.5	0.48	0.35	0.16
Colorado	1.0	2.0	3.3	1.0	0.06	0.08	0.06
Connecticut	0.2	0.5	1.0	0.2	0.08	0.13	0.02
Delaware	0.0	0.0	0.0	0.0	0.00	0.00	0.00
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	4.4	1.5	5.9	3.2	0.50	0.37	NA
Georgia	0.0	0.0	0.8	0.0	0.00	0.12	0.14
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.5	0.5	0.0	0.2	0.01	0.01	0.00
Illinois	0.9	0.6	1.2	0.6	0.06	0.12	0.17
Indiana	1.6	0.8	5.5	3.0	0.28	0.13	0.26
Iowa	1.0	0.4	0.9	0.6	0.06	0.04	0.12
Kansas	0.7	1.2	2.5	1.1	NA	0.11	0.74
Kentucky	0.8	0.8	2.2	1.1	0.05	0.08	0.25
Louisiana	1.2	2.1	2.2	2.0	0.21	0.20	0.10
Maine	1.5	2.1	3.6	2.0	0.59	0.59	0.00
Maryland	0.1	0.7	1.2	0.3	0.02	0.07	0.00
Massachusetts	0.4	0.6	1.2	0.4	0.08	0.20	0.20
Michigan	0.6	0.7	1.4	0.4	0.06	0.08	0.05
Minnesota	1.2	0.2	4.6	1.5	0.05	NA	0.24
Mississippi	0.6	1.1	2.5	1.6	0.07	0.15	0.21
Missouri	1.2	0.3	1.1	0.7	0.10	0.16	NA
Montana	0.4	0.4	0.1	0.2	0.03	0.06	0.14
Nebraska	0.9	0.8	2.9	1.2	0.11	0.13	0.24
Nevada	0.0	0.0	0.4	0.1	0.00	0.00	0.02
New Hampshire	0.0	0.0	6.0	1.5	0.00	0.00	0.00
New Jersey	0.0	0.0	NA	NA	0.00	0.00	NA
New Mexico	1.5	NA	NA	NA	0.08	0.11	0.00
New York	0.0	0.0	2.2	0.0	0.03	0.03	0.24
North Carolina	0.3	0.6	0.9	0.4	0.08	0.06	0.09
North Dakota	0.1	0.1	0.2	0.1	0.01	0.02	0.00
Ohio	0.0	0.0	1.7	0.0	0.08	0.05	0.70
Oklahoma	0.6	0.9	1.1	0.6	0.05	0.13	NA
Oregon	0.0	0.0	1.8	0.5	0.00	0.00	0.00
Pennsylvania	1.2	0.6	1.4	0.7	NA	0.08	0.14
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	0.9	4.5	1.8	1.2	0.21	NA	0.24
South Dakota	1.0	0.8	1.8	1.0	0.06	0.09	0.08
Tennessee	1.4	1.4	2.0	1.0	0.11	0.14	0.28
Texas	0.7	1.9	1.4	1.1	0.15	0.17	0.04
Utah	0.2	0.1	0.0	0.1	0.00	0.00	0.05
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	1.4	2.2	3.5	1.3	0.09	0.15	0.20
Washington	0.4	0.5	1.7	0.5	0.03	0.05	0.02
West Virginia	3.8	2.5	1.5	1.7	0.16	0.21	0.07
Wisconsin	1.1	1.5	1.1	0.7	0.06	0.06	0.14
Wyoming	0.7	0.5	5.9	3.3	0.03	0.07	0.10
<b>Total</b>	<b>0.2</b>	<b>0.3</b>	<b>0.6</b>	<b>0.2</b>	<b>0.04</b>	<b>0.03</b>	<b>0.03</b>

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

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**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.