



*Independent Statistics & Analysis*  
U.S. Energy Information  
Administration

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# Natural Gas Monthly

June 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 April 2019.

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.

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## 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, 2014-2019

(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>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 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	*	896	R-7	3,310
February	£2,724	£2,385	163	£2,222	6	R-38	467	R44	R2,700
March	£3,048	£2,673	188	£2,485	6	R-21	285	R18	2,773
April	£2,960	£2,598	185	£2,413	5	R-37	-32	R-13	R2,336
May	£3,082	£2,713	193	£2,521	5	R-45	-423	R-10	2,047
June	£2,955	£2,641	188	£2,453	6	R-34	-349	R-26	2,050
July	£3,108	£2,784	R199	£2,585	5	R-59	-186	R2	2,346
August	£3,180	£2,845	205	£2,640	6	R-74	-235	R-25	2,311
September	£3,135	£2,790	R200	RE2,590	6	R-88	-334	R-16	2,159
October	£3,272	£2,909	206	RE2,702	6	R-92	-291	R-50	2,276
November	£3,233	£2,855	198	£2,657	6	-125	205	R-54	2,688
December	£3,353	£2,957	R201	£2,756	5	-106	320	-17	2,959
<b>Total</b>	<b>£37,009</b>	<b>£32,735</b>	<b>R2,296</b>	<b>RE30,439</b>	<b>68</b>	<b>R-719</b>	<b>323</b>	<b>R-154</b>	<b>R29,956</b>
<b>2019</b>									
January	£3,356	£2,955	204	RE2,750	5	-74	709	-11	3,379
February	RE3,050	RE2,697	191	RE2,506	6	-96	568	R-1	R2,984
March	RE3,369	RE2,988	213	RE2,775	6	-119	245	R-25	R2,883
April	£3,298	£2,915	208	£2,708	5	-130	-382	-18	2,183
<b>2019 4-Month YTD</b>	<b>£13,073</b>	<b>£11,555</b>	<b>816</b>	<b>£10,740</b>	<b>22</b>	<b>-419</b>	<b>1,140</b>	<b>-54</b>	<b>11,429</b>
<b>2018 4-Month YTD</b>	<b>£11,691</b>	<b>£10,242</b>	<b>707</b>	<b>£9,535</b>	<b>23</b>	<b>-96</b>	<b>1,616</b>	<b>42</b>	<b>11,120</b>
<b>2017 4-Month YTD</b>	<b>10,768</b>	<b>9,287</b>	<b>606</b>	<b>8,681</b>	<b>21</b>	<b>19</b>	<b>1,024</b>	<b>-58</b>	<b>9,687</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 2014 through 2017 include underground storage and liquefied natural gas storage. Data for January 2018 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; and 27 for 2014. 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.

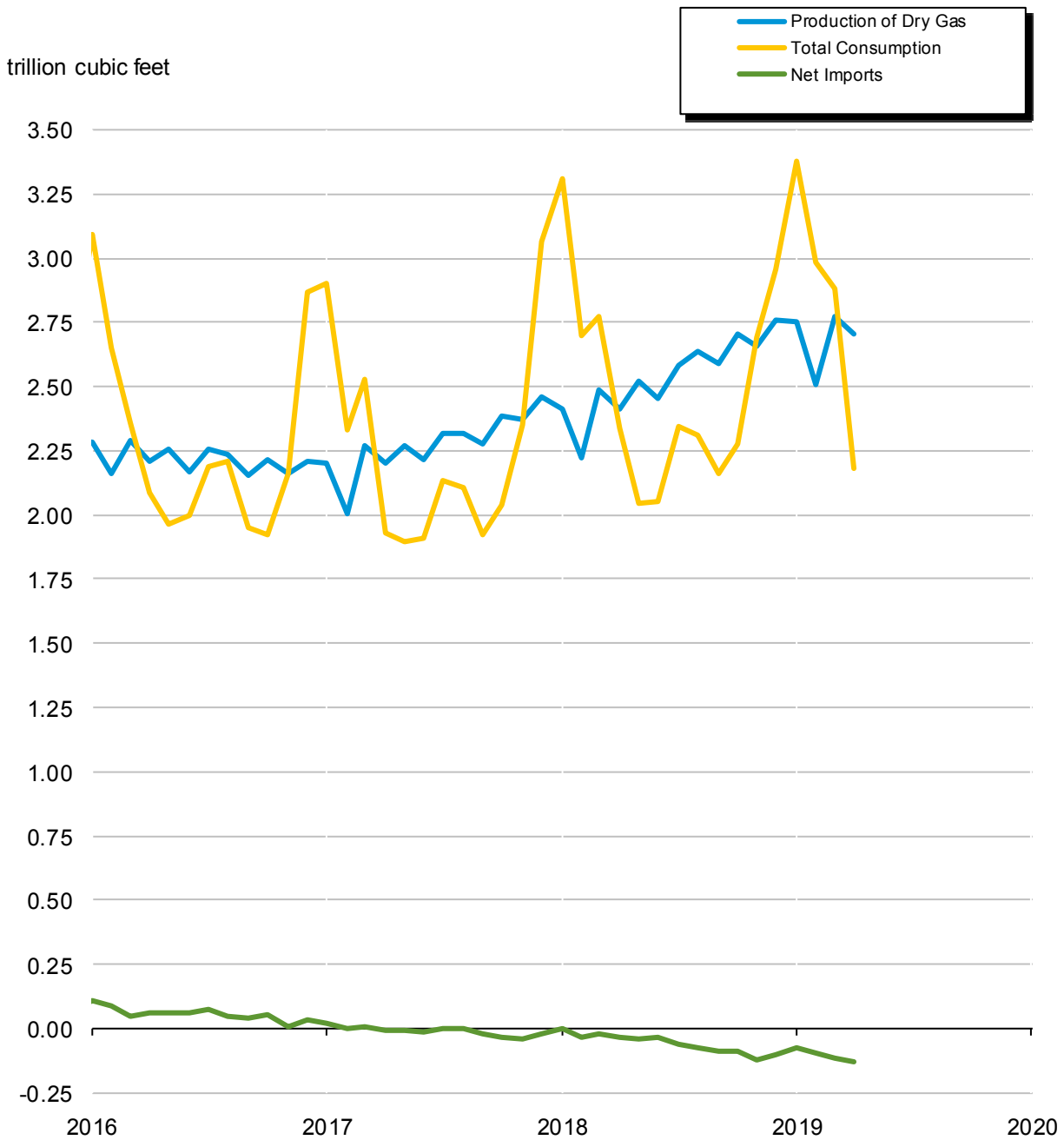
<sup>RE</sup> Revised estimated data.

**Notes:** Data for 2014 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:** 2014-2017: 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, 2016-2019



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, 2014-2019

(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>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 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	976	548	771	785	£4	3,084	3,310	1,038
February	£128	£72	687	420	689	701	£3	2,501	£2,700	1,037
March	£143	£74	656	414	727	755	£4	2,556	2,773	1,037
April	£139	£62	439	299	687	707	£4	2,135	£2,336	1,035
May	£145	£54	168	162	660	853	£4	1,847	2,047	1,034
June	£142	£55	119	140	639	952	£4	1,854	2,050	1,035
July	£149	£62	105	135	655	1,236	£4	2,135	2,346	1,035
August	£152	£62	99	141	658	1,195	£4	2,097	2,311	1,034
September	£149	£57	112	145	647	1,045	£4	1,952	2,159	1,035
October	£156	£61	255	235	671	895	£4	2,060	2,276	1,036
November	£153	£72	595	382	726	756	£4	2,463	2,688	1,037
December	£158	£79	763	455	756	744	£4	2,721	2,959	1,038
<b>Total</b>	<b>£1,754</b>	<b>£797</b>	<b>£4,974</b>	<b>£3,476</b>	<b>8,286</b>	<b>10,626</b>	<b>£43</b>	<b>£27,405</b>	<b>£29,956</b>	<b>1,036</b>
<b>2019</b>										
January	£158	£90	949	552	791	834	£4	3,131	3,379	1,038
February	£145	£79	£806	£471	710	769	£4	£2,760	£2,984	1,037
March	£160	£77	686	423	741	792	£4	2,646	£2,883	1,037
April	£156	£58	327	246	667	724	£4	1,969	2,183	1,037
<b>2019 4-Month YTD</b>	<b>£619</b>	<b>£304</b>	<b>2,768</b>	<b>1,692</b>	<b>2,909</b>	<b>3,120</b>	<b>£16</b>	<b>10,505</b>	<b>11,429</b>	<b>1,037</b>
<b>2018 4-Month YTD</b>	<b>£549</b>	<b>£296</b>	<b>2,757</b>	<b>1,681</b>	<b>2,874</b>	<b>2,949</b>	<b>£14</b>	<b>10,275</b>	<b>11,120</b>	<b>1,037</b>
<b>2017 4-Month YTD</b>	<b>498</b>	<b>260</b>	<b>2,269</b>	<b>1,422</b>	<b>2,714</b>	<b>2,509</b>	<b>16</b>	<b>8,930</b>	<b>9,687</b>	<b>1,038</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 downs, as well as fuel used in liquefaction and regasification.

<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.

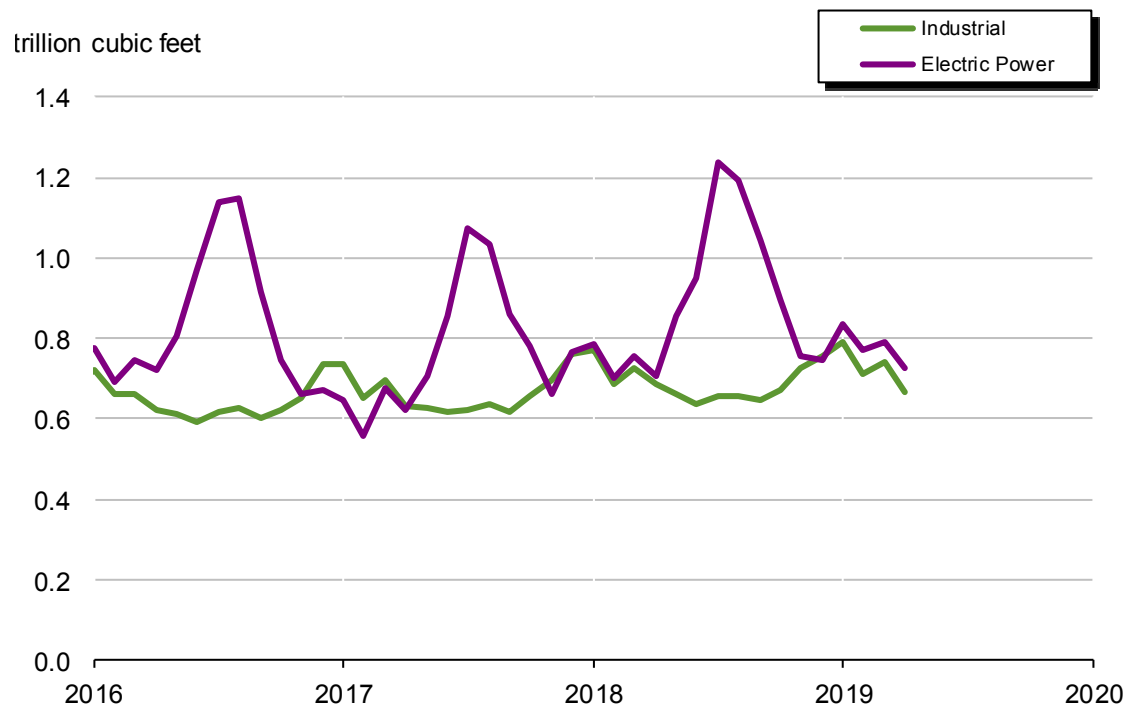
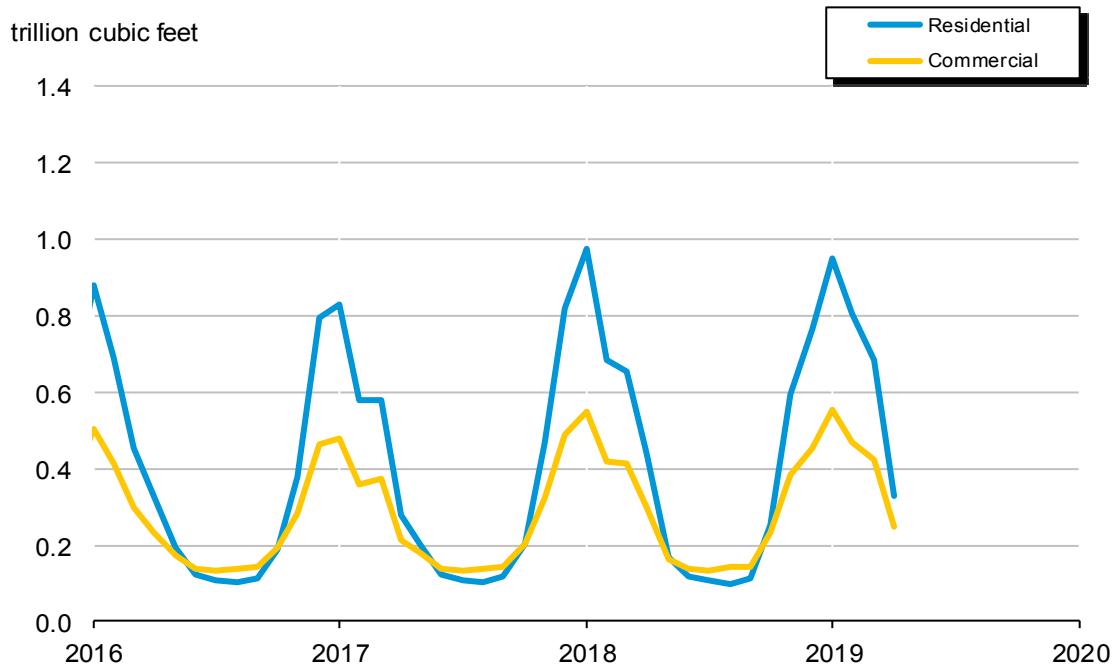
<sup>RE</sup> Revised estimated data.

**Notes:** Data for 2014 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:** 2014-2017: 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, 2016-2019



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, 2014-2019

(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						
				Residential		Commercial		Industrial		Electric Power Price <sup>d</sup>
				Price	% of Total <sup>c</sup>	Price	% of Total <sup>c</sup>	Price	% of Total <sup>c</sup>	
<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 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	14.9	5.35
February	7.43	2.67	3.99	9.64	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	7.66	65.3	3.90	14.7	3.25
May	8.40	2.80	4.13	13.64	94.8	8.46	59.7	3.81	13.8	3.15
June	8.57	2.97	4.46	16.51	95.7	8.65	57.4	3.78	13.7	3.21
July	8.99	2.83	4.71	17.92	95.8	8.93	56.0	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	4.70	17.31	96.2	8.64	56.5	3.75	13.7	3.21
October	9.11	3.28	4.07	12.26	96.5	7.71	61.0	4.04	13.7	3.50
November	6.97	4.09	4.29	9.43	96.4	7.35	66.5	4.51	14.2	4.32
December	6.38	4.04	4.75	9.63	96.2	7.77	68.8	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>65.6</b>	<b>4.20</b>	<b>14.2</b>	<b>3.67</b>
<b>2019</b>										
January	6.46	3.11	4.09	9.43	96.3	7.75	70.2	5.04	13.6	4.16
February	6.60	2.69	3.89	9.47	96.1	7.61	69.4	4.65	14.0	3.79
March	6.58	2.95	4.06	9.48	96.0	7.47	69.1	4.33	13.6	3.59
April	6.09	2.65	3.72	10.92	95.6	7.77	64.2	4.02	12.8	2.98
<b>2019 4-Month YTD</b>	<b>6.43</b>	<b>2.86</b>	<b>3.98</b>	<b>9.66</b>	<b>96.1</b>	<b>7.64</b>	<b>68.7</b>	<b>4.54</b>	<b>13.5</b>	<b>3.65</b>
<b>2018 4-Month YTD</b>	<b>7.49</b>	<b>2.98</b>	<b>3.97</b>	<b>9.49</b>	<b>95.9</b>	<b>7.65</b>	<b>68.9</b>	<b>4.32</b>	<b>14.8</b>	<b>3.94</b>
<b>2017 4-Month YTD</b>	<b>6.52</b>	<b>3.04</b>	<b>4.10</b>	<b>9.92</b>	<b>95.7</b>	<b>7.76</b>	<b>68.5</b>	<b>4.39</b>	<b>14.8</b>	<b>3.77</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.

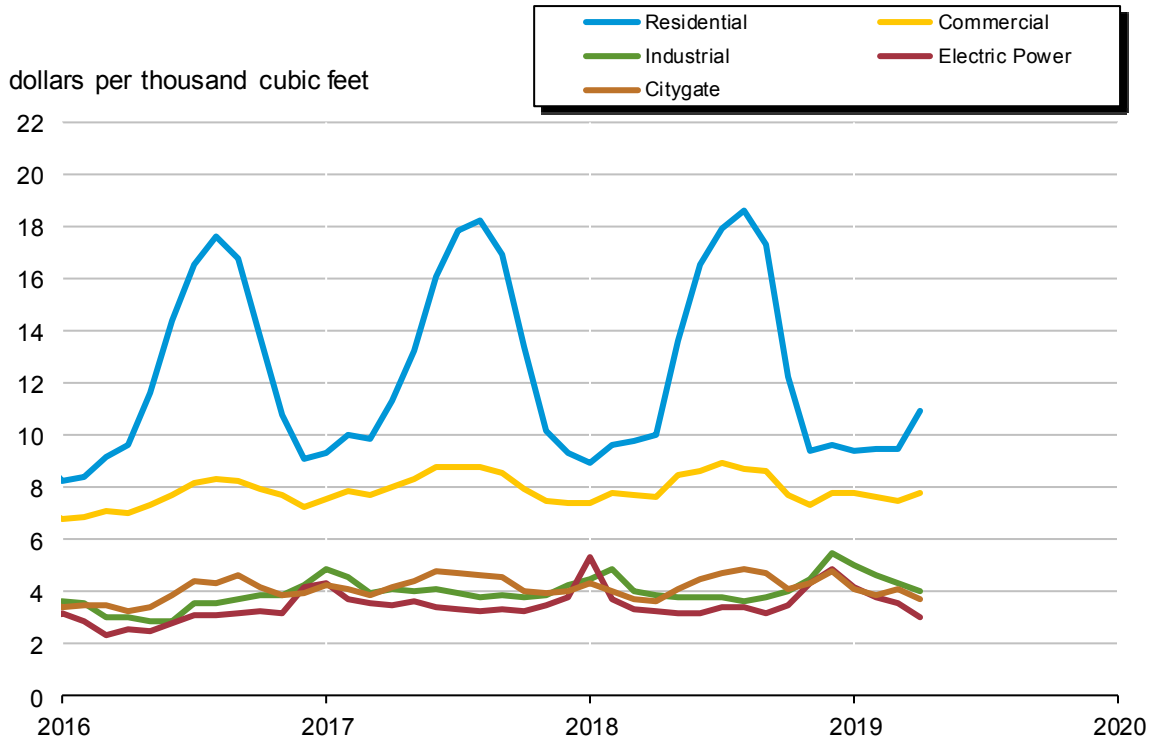
<sup>c</sup> Percentage of total deliveries represented by onsystem sales (see Figure 6). See Table 24 for state data.

<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.

**Notes:** Prices are in nominal dollars. Data for 2014 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:** 2014-2017: 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.

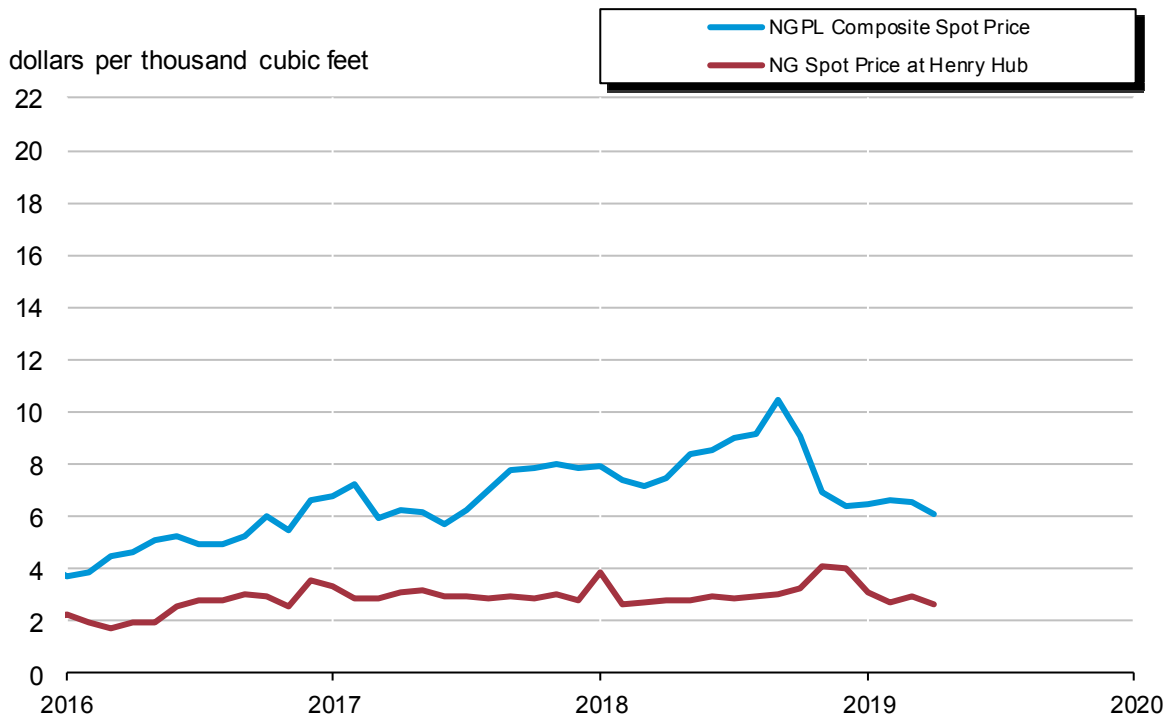
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2016-2019



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, 2016-2019



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, 2017-2019

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

	2019 4-Month YTD	2018 4-Month YTD	2017 4-Month YTD	April	March	February	2019 January
<b>Imports</b>							
Volume (million cubic feet)							
<b>Pipeline</b>							
Canada <sup>a</sup>	954,832	1,016,060	1,033,175	203,601	R249,285	R225,650	276,296
Mexico	365	1,123	318	65	133	100	67
<b>Total Pipeline Imports</b>	<b>955,197</b>	<b>1,017,183</b>	<b>1,033,493</b>	<b>203,666</b>	<b>249,418</b>	<b>R225,750</b>	<b>276,363</b>
<b>LNG</b>							
By Truck							
Canada	209	281	220	31	44	56	78
By Vessel							
France	2,608	2,768	0	0	0	0	2,608
Nigeria	0	0	2,753	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	25,486	26,846	28,507	2,811	3,456	7,472	11,748
United Kingdom	0	3,119	0	0	0	0	0
<b>Total LNG Imports</b>	<b>28,303</b>	<b>33,014</b>	<b>31,480</b>	<b>2,842</b>	<b>3,499</b>	<b>7,528</b>	<b>14,434</b>
<b>CNG</b>							
Canada	160	138	125	32	47	39	42
<b>Total CNG Imports</b>	<b>160</b>	<b>138</b>	<b>125</b>	<b>32</b>	<b>47</b>	<b>39</b>	<b>42</b>
<b>Total Imports</b>	<b>983,660</b>	<b>1,050,335</b>	<b>1,065,099</b>	<b>206,540</b>	<b>252,964</b>	<b>R233,317</b>	<b>290,839</b>
Average Price (dollars per thousand cubic feet)							
<b>Pipeline</b>							
Canada	3.25	2.74	2.84	1.97	3.63	3.60	3.55
Mexico	4.00	3.94	2.78	2.40	4.06	5.29	3.55
<b>Total Pipeline Imports</b>	<b>3.25</b>	<b>2.74</b>	<b>2.84</b>	<b>1.97</b>	<b>3.63</b>	<b>3.60</b>	<b>3.55</b>
<b>LNG</b>							
By Truck							
Canada	7.09	8.13	8.45	7.20	7.07	7.06	7.08
By Vessel							
France	10.39	8.35	--	--	--	--	10.39
Nigeria	--	--	5.82	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	8.70	5.91	5.22	7.33	7.71	8.98	9.14
United Kingdom	--	13.26	--	--	--	--	--
<b>Total LNG Imports</b>	<b>8.84</b>	<b>6.83</b>	<b>5.30</b>	<b>7.32</b>	<b>7.70</b>	<b>8.96</b>	<b>9.35</b>
<b>CNG</b>							
Canada	5.04	6.19	5.15	1.57	3.48	6.48	8.08
<b>Total CNG Imports</b>	<b>5.04</b>	<b>6.19</b>	<b>5.15</b>	<b>1.57</b>	<b>3.48</b>	<b>6.48</b>	<b>8.08</b>
<b>Total Imports</b>	<b>3.66</b>	<b>3.08</b>	<b>3.07</b>	<b>2.14</b>	<b>3.79</b>	<b>4.06</b>	<b>4.30</b>
<b>Net Imports - Volume</b>	<b>-419,242</b>	<b>-95,960</b>	<b>19,191</b>	<b>-129,781</b>	<b>R-119,466</b>	<b>R-96,061</b>	<b>-73,934</b>

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2017-2019

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

							2018
	Total	December	November	October	September	August	July
<b>Imports</b>							
Volume (million cubic feet)							
<b>Pipeline</b>							
Canada <sup>a</sup>	R2,808,720	R242,282	R209,573	R208,954	R210,828	R231,007	R240,422
Mexico	3,316	66	79	69	68	522	960
<b>Total Pipeline Imports</b>	<b>R2,812,036</b>	<b>R242,347</b>	<b>R209,652</b>	<b>R209,023</b>	<b>R210,896</b>	<b>R231,529</b>	<b>R241,382</b>
<b>LNG</b>							
By Truck							
Canada	1,885	53	70	379	194	242	226
By Vessel							
France	2,768	0	0	0	0	0	0
Nigeria	2,860	2,860	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	65,819	11,859	2,734	5,696	2,961	5,231	5,376
United Kingdom	3,119	0	0	0	0	0	0
<b>Total LNG Imports</b>	<b>76,451</b>	<b>14,771</b>	<b>2,805</b>	<b>6,075</b>	<b>3,154</b>	<b>5,473</b>	<b>5,602</b>
<b>CNG</b>							
Canada	359	30	30	30	24	23	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>Total Imports</b>	<b>R2,888,847</b>	<b>R257,148</b>	<b>R212,486</b>	<b>R215,128</b>	<b>R214,074</b>	<b>R237,025</b>	<b>R247,012</b>
Average Price (dollars per thousand cubic feet)							
<b>Pipeline</b>							
Canada	R2.58	4.14	3.87	R2.34	1.97	2.09	2.02
Mexico	4.34	4.87	2.98	2.43	3.13	5.49	5.32
<b>Total Pipeline Imports</b>	<b>2.58</b>	<b>4.14</b>	<b>3.87</b>	<b>R2.34</b>	<b>1.97</b>	<b>2.10</b>	<b>2.03</b>
<b>LNG</b>							
By Truck							
Canada	8.51	7.20	8.44	9.64	8.36	8.32	8.32
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
United Kingdom	13.26	--	--	--	--	--	--
<b>Total LNG Imports</b>	<b>6.56</b>	<b>8.64</b>	<b>10.70</b>	<b>5.90</b>	<b>5.02</b>	<b>3.72</b>	<b>3.72</b>
<b>CNG</b>							
Canada	3.89	8.23	2.22	2.00	1.48	1.42	1.31
<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>Total Imports</b>	<b>2.68</b>	<b>4.89</b>	<b>4.10</b>	<b>R2.61</b>	<b>2.09</b>	<b>2.22</b>	<b>R2.16</b>
<b>Net Imports - Volume</b>	<b>R-718,571</b>	<b>R-106,310</b>	<b>R-125,229</b>	<b>R-91,518</b>	<b>R-87,672</b>	<b>R-74,424</b>	<b>R-58,986</b>

See footnotes at end of table.



Table 4. U.S. natural gas imports, 2017-2019

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

						2018	2017
	June	May	April	March	February	January	Total
<b>Imports</b>							
Volume (million cubic feet)							
<b>Pipeline</b>							
Canada <sup>a</sup>	R225,297	R224,298	R239,027	R264,129	R229,812	R283,093	2,962,689
Mexico	240	190	68	119	805	130	1,346
<b>Total Pipeline Imports</b>	<b>R225,537</b>	<b>R224,488</b>	<b>R239,095</b>	<b>R264,248</b>	<b>R230,617</b>	<b>R283,223</b>	<b>2,964,035</b>
<b>LNG</b>							
By Truck							
Canada	216	224	196	54	21	10	1,569
By Vessel							
France	0	0	0	2,768	0	0	0
Nigeria	0	0	0	0	0	0	5,992
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	2,688	2,429	2,934	3,650	6,750	13,511	70,450
United Kingdom	0	0	0	0	0	3,119	0
<b>Total LNG Imports</b>	<b>2,904</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>CNG</b>							
Canada	28	27	39	42	29	28	345
<b>Total CNG Imports</b>	<b>28</b>	<b>27</b>	<b>39</b>	<b>42</b>	<b>29</b>	<b>28</b>	<b>345</b>
<b>Total Imports</b>	<b>R228,469</b>	<b>R227,168</b>	<b>R242,264</b>	<b>R270,762</b>	<b>R237,417</b>	<b>R299,891</b>	<b>3,042,391</b>
Average Price (dollars per thousand cubic feet)							
<b>Pipeline</b>							
Canada	1.77	1.64	2.11	R2.16	2.75	R3.79	2.55
Mexico	2.63	2.22	2.10	2.65	4.38	3.38	2.93
<b>Total Pipeline Imports</b>	<b>1.77</b>	<b>1.64</b>	<b>2.11</b>	<b>R2.16</b>	<b>2.76</b>	<b>R3.79</b>	<b>2.55</b>
<b>LNG</b>							
By Truck							
Canada	8.18	8.27	8.30	7.94	7.17	7.94	8.63
By Vessel							
France	--	--	--	8.35	--	--	--
Nigeria	--	--	--	--	--	--	6.52
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	4.33	4.27	4.33	6.08	5.95	6.18	4.32
United Kingdom	--	--	--	--	--	13.26	--
<b>Total LNG Imports</b>	<b>4.62</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>CNG</b>							
Canada	1.01	1.19	2.69	2.14	12.03	10.87	2.95
<b>Total CNG Imports</b>	<b>1.01</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>Total Imports</b>	<b>R1.87</b>	<b>1.73</b>	<b>2.20</b>	<b>2.45</b>	<b>R3.02</b>	<b>R4.41</b>	<b>2.60</b>
<b>Net Imports - Volume</b>	<b>R-33,526</b>	<b>R-44,947</b>	<b>R-36,677</b>	<b>R-20,705</b>	<b>R-38,235</b>	<b>R-342</b>	<b>-125,466</b>

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2017-2019

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

							2017
	December	November	October	September	August	July	June
<b>Imports</b>							
Volume (million cubic feet)							
<b>Pipeline</b>							
Canada <sup>a</sup>	266,192	237,197	241,425	226,738	239,935	245,212	234,061
Mexico	504	76	81	68	63	80	78
<b>Total Pipeline Imports</b>	<b>266,696</b>	<b>237,273</b>	<b>241,506</b>	<b>226,806</b>	<b>239,997</b>	<b>245,292</b>	<b>234,140</b>
<b>LNG</b>							
By Truck							
Canada	8	165	120	183	226	215	212
By Vessel							
France	0	0	0	0	0	0	0
Nigeria	3,239	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	7,617	6,213	2,337	2,467	7,636	4,974	5,425
United Kingdom	0	0	0	0	0	0	0
<b>Total LNG Imports</b>	<b>10,864</b>	<b>6,378</b>	<b>2,457</b>	<b>2,650</b>	<b>7,862</b>	<b>5,189</b>	<b>5,637</b>
<b>CNG</b>							
Canada	31	30	22	25	28	27	29
<b>Total CNG Imports</b>	<b>31</b>	<b>30</b>	<b>22</b>	<b>25</b>	<b>28</b>	<b>27</b>	<b>29</b>
<b>Total Imports</b>	<b>277,590</b>	<b>243,681</b>	<b>243,985</b>	<b>229,482</b>	<b>247,888</b>	<b>250,508</b>	<b>239,805</b>
Average Price (dollars per thousand cubic feet)							
<b>Pipeline</b>							
Canada	2.94	2.40	1.98	2.05	2.24	2.31	2.51
Mexico	3.42	2.44	2.43	2.64	2.31	2.62	2.77
<b>Total Pipeline Imports</b>	<b>2.94</b>	<b>2.40</b>	<b>1.98</b>	<b>2.05</b>	<b>2.24</b>	<b>2.31</b>	<b>2.51</b>
<b>LNG</b>							
By Truck							
Canada	8.19	8.12	8.33	8.66	8.69	8.78	8.91
By Vessel							
France	--	--	--	--	--	--	--
Nigeria	7.11	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	4.88	3.47	4.20	3.74	3.19	3.21	3.37
United Kingdom	--	--	--	--	--	--	--
<b>Total LNG Imports</b>	<b>5.55</b>	<b>3.59</b>	<b>4.41</b>	<b>4.08</b>	<b>3.34</b>	<b>3.44</b>	<b>3.58</b>
<b>CNG</b>							
Canada	4.31	1.17	1.06	0.82	0.97	1.19	1.64
<b>Total CNG Imports</b>	<b>4.31</b>	<b>1.17</b>	<b>1.06</b>	<b>0.82</b>	<b>0.97</b>	<b>1.19</b>	<b>1.64</b>
<b>Total Imports</b>	<b>3.26</b>	<b>2.52</b>	<b>2.05</b>	<b>2.12</b>	<b>2.38</b>	<b>2.40</b>	<b>2.62</b>
<b>Net Imports - Volume</b>	<b>-21,834</b>	<b>-44,673</b>	<b>-37,374</b>	<b>-20,798</b>	<b>969</b>	<b>2,080</b>	<b>-13,517</b>

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2017-2019

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

	2017				
	May	April	March	February	January
<b>Imports</b>					
Volume (million cubic feet)					
<b>Pipeline</b>					
Canada <sup>a</sup>	238,753	232,998	275,573	246,020	278,584
Mexico	78	79	83	74	83
<b>Total Pipeline Imports</b>	<b>238,831</b>	<b>233,077</b>	<b>275,656</b>	<b>246,094</b>	<b>278,666</b>
<b>LNG</b>					
By Truck					
Canada	220	186	8	8	18
By Vessel					
France	0	0	0	0	0
Nigeria	0	0	0	0	2,753
Norway	0	0	0	0	0
Trinidad/Tobago	5,275	4,985	4,870	8,468	10,183
United Kingdom	0	0	0	0	0
<b>Total LNG Imports</b>	<b>5,494</b>	<b>5,171</b>	<b>4,878</b>	<b>8,477</b>	<b>12,955</b>
<b>CNG</b>					
Canada	28	31	34	26	35
<b>Total CNG Imports</b>	<b>28</b>	<b>31</b>	<b>34</b>	<b>26</b>	<b>35</b>
<b>Total Imports</b>	<b>244,353</b>	<b>238,279</b>	<b>280,567</b>	<b>254,597</b>	<b>291,656</b>
Average Price (dollars per thousand cubic feet)					
<b>Pipeline</b>					
Canada	2.59	2.53	2.57	2.81	3.41
Mexico	2.62	2.64	2.27	2.94	3.29
<b>Total Pipeline Imports</b>	<b>2.59</b>	<b>2.53</b>	<b>2.57</b>	<b>2.81</b>	<b>3.41</b>
<b>LNG</b>					
By Truck					
Canada	8.88	8.49	7.05	7.22	9.12
By Vessel					
France	--	--	--	--	--
Nigeria	--	--	--	--	5.82
Norway	--	--	--	--	--
Trinidad/Tobago	3.65	3.56	4.34	6.39	5.48
United Kingdom	--	--	--	--	--
<b>Total LNG Imports</b>	<b>3.86</b>	<b>3.74</b>	<b>4.35</b>	<b>6.39</b>	<b>5.56</b>
<b>CNG</b>					
Canada	1.86	1.76	1.91	6.07	10.64
<b>Total CNG Imports</b>	<b>1.86</b>	<b>1.76</b>	<b>1.91</b>	<b>6.07</b>	<b>10.64</b>
<b>Total Imports</b>	<b>2.70</b>	<b>2.64</b>	<b>2.68</b>	<b>3.14</b>	<b>3.75</b>
<b>Net Imports - Volume</b>	<b>-9,511</b>	<b>-8,973</b>	<b>8,724</b>	<b>-349</b>	<b>19,789</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, 2017-2019

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

	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
<b>Exports</b>							
Volume (million cubic feet)							
<b>Pipeline</b>							
Canada	342,487	297,754	366,629	70,923	92,734	91,561	87,269
Mexico	572,588	525,101	481,587	138,268	148,854	134,937	150,529
<b>Total Pipeline Exports</b>	<b>915,075</b>	<b>822,855</b>	<b>848,216</b>	<b>209,191</b>	<b>241,587</b>	<b>226,498</b>	<b>237,799</b>
<b>LNG</b>							
Exports							
By Vessel							
Argentina	4,369	8,550	10,135	4,369	0	0	0
Bahamas	50	41	0	14	11	14	11
Barbados	62	60	72	17	14	14	17
Belgium	3,390	0	0	0	3,390	0	0
Brazil	7,719	6,527	0	1,201	3,283	3,234	0
Chile	22,367	18,168	11,796	9,429	10,005	2,933	0
China	14,019	48,582	13,729	3,700	0	3,464	6,856
Colombia	5,869	1,599	0	0	2,935	0	2,934
Dominican Republic	2,942	1,821	2,934	0	0	2,942	0
Egypt	0	6,554	0	0	0	0	0
France	45,249	0	0	17,092	20,853	0	7,303
Greece	3,394	0	0	0	0	3,394	0
Haiti	2	0	0	2	0	0	0
India	28,208	17,684	7,022	6,742	7,446	6,989	7,030
Israel	0	0	0	0	0	0	0
Italy	20,640	0	0	0	6,684	3,454	10,502
Jamaica	2,320	0	0	0	2,320	0	0
Japan	41,800	21,681	21,636	10,311	7,143	10,320	14,027
Jordan	7,317	10,288	14,968	3,622	0	3,695	0
Kuwait	0	0	13,522	0	0	0	0
Lithuania	0	0	0	0	0	0	0
Malta	413	0	867	413	0	0	0
Mexico	38,434	65,159	52,875	10,406	7,038	6,681	14,310
Netherlands	26,851	3,253	0	13,010	10,452	3,390	0
Pakistan	6,647	9,733	3,166	0	3,282	3,365	0
Panama	6,461	1,442	0	0	3,191	3,269	0
Poland	16,877	0	0	3,414	3,701	0	9,762
Portugal	17,498	3,247	5,134	3,489	0	3,720	10,289
Singapore	14,200	0	0	320	6,631	7,249	0
South Korea	65,744	78,683	10,337	13,000	18,013	17,750	16,981
Spain	34,195	0	11,768	10,139	10,678	6,748	6,631
Taiwan	6,349	6,806	0	6,349	0	0	0
Thailand	0	0	3,113	0	0	0	0
Turkey	19,281	6,992	10,923	2,969	0	6,483	9,829
United Arab Emirates	6,787	0	3,347	6,787	0	0	0
United Kingdom	17,753	6,267	0	0	3,669	3,711	10,373
By Truck							
Canada	1	16	3	0	0	1	0
Mexico	311	221	260	87	73	48	104
<b>Re-Exports</b>							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0
<b>Total LNG Exports</b>	<b>487,739</b>	<b>323,374</b>	<b>197,605</b>	<b>127,102</b>	<b>130,814</b>	<b>102,866</b>	<b>126,957</b>
<b>CNG</b>							
Canada	88	66	87	28	29	15	16
<b>Total CNG Exports</b>	<b>88</b>	<b>66</b>	<b>87</b>	<b>28</b>	<b>29</b>	<b>15</b>	<b>16</b>
<b>Total Exports</b>	<b>1,402,902</b>	<b>1,146,295</b>	<b>1,045,908</b>	<b>336,321</b>	<b>372,431</b>	<b>329,378</b>	<b>364,772</b>

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2017-2019

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

							2018
	Total	December	November	October	September	August	July
<b>Exports</b>							
Volume (million cubic feet)							
<b>Pipeline</b>							
Canada	835,982	100,101	89,784	64,726	70,393	65,677	56,880
Mexico	1,688,095	140,540	140,323	152,025	149,966	154,231	150,856
<b>Total Pipeline Exports</b>	<b>2,524,077</b>	<b>240,641</b>	<b>230,107</b>	<b>216,751</b>	<b>220,359</b>	<b>219,909</b>	<b>207,736</b>
<b>LNG</b>							
Exports							
By Vessel							
Argentina	27,560	0	0	0	0	10,679	2,939
Bahamas	137	14	13	12	12	10	11
Barbados	174	20	20	14	14	13	10
Belgium	0	0	0	0	0	0	0
Brazil	35,645	0	0	0	0	15,425	12,540
Chile	41,186	3,276	3,676	0	3,675	0	6,525
China	90,473	3,598	3,451	7,269	0	3,588	10,644
Colombia	5,101	0	0	0	0	867	1,521
Dominican Republic	5,835	0	0	0	0	2,992	0
Egypt	6,554	0	0	0	0	0	0
France	18,291	3,453	9,991	4,846	0	0	0
Greece	3,722	3,722	0	0	0	0	0
Haiti	0	0	0	0	0	0	0
India	57,634	7,156	0	7,131	5,910	0	5,918
Israel	3,270	0	0	0	0	0	0
Italy	17,390	6,137	0	4,785	6,468	0	0
Jamaica	1,303	0	1,303	0	0	0	0
Japan	125,534	13,977	23,835	3,017	16,698	10,286	13,438
Jordan	38,794	0	7,390	3,666	0	3,677	0
Kuwait	9,981	0	0	0	0	3,485	0
Lithuania	0	0	0	0	0	0	0
Malta	2,927	0	0	0	0	0	2,927
Mexico	182,246	10,610	6,794	7,076	10,559	20,708	21,237
Netherlands	12,188	0	2,949	3,071	2,915	0	0
Pakistan	12,956	0	0	0	0	0	0
Panama	6,786	3,268	0	0	0	0	0
Poland	3,231	0	3,231	0	0	0	0
Portugal	12,512	3,298	0	0	3,670	2,296	0
Singapore	3,679	3,679	0	0	0	0	0
South Korea	252,223	33,567	17,635	34,923	24,179	17,467	14,040
Spain	10,310	0	3,529	3,551	0	0	3,230
Taiwan	16,731	3,423	0	0	0	0	3,234
Thailand	0	0	0	0	0	0	0
Turkey	23,205	9,976	2,956	3,281	0	0	0
United Arab Emirates	3,638	0	0	0	3,638	0	0
United Kingdom	51,297	13,499	20,695	7,213	3,624	0	0
By Truck							
Canada	19	1	0	0	2	0	0
Mexico	587	121	115	31	17	33	26
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0
<b>Total LNG Exports</b>	<b>1,083,118</b>	<b>122,795</b>	<b>107,585</b>	<b>89,886</b>	<b>81,381</b>	<b>91,526</b>	<b>98,240</b>
<b>CNG</b>							
Canada	223	22	24	9	6	15	22
<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>Total Exports</b>	<b>3,607,418</b>	<b>363,458</b>	<b>337,716</b>	<b>306,646</b>	<b>301,746</b>	<b>311,449</b>	<b>305,997</b>

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2017-2019

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

						2018	2017
	June	May	April	March	February	January	Total
<b>Exports</b>							
Volume (million cubic feet)							
<b>Pipeline</b>							
Canada	\$50,976	\$39,689	\$62,641	\$67,652	\$76,340	\$91,120	917,087
Mexico	137,454	137,600	130,586	132,249	125,628	136,638	1,543,056
<b>Total Pipeline Exports</b>	<b>\$188,431</b>	<b>\$177,289</b>	<b>\$193,227</b>	<b>\$199,901</b>	<b>\$201,968</b>	<b>\$227,758</b>	<b>2,460,144</b>
<b>LNG</b>							
Exports							
By Vessel							
Argentina	0	5,392	5,217	3,333	0	0	16,276
Bahamas	14	11	8	16	12	4	2
Barbados	10	13	8	13	20	20	200
Belgium	0	0	0	0	0	0	0
Brazil	0	1,153	3,255	3,272	0	0	17,648
Chile	5,865	0	4,987	6,994	3,249	2,938	25,746
China	2,926	10,416	17,509	10,739	6,750	13,584	103,410
Colombia	1,113	0	1,599	0	0	0	0
Dominican Republic	0	1,023	0	1,821	0	0	8,691
Egypt	0	0	0	0	0	6,554	6,781
France	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0
Haiti	0	0	0	0	0	0	0
India	6,717	7,118	3,254	10,834	0	3,596	20,919
Israel	0	3,270	0	0	0	0	0
Italy	0	0	0	0	0	0	6,493
Jamaica	0	0	0	0	0	0	0
Japan	9,820	12,782	10,967	0	7,099	3,615	53,218
Jordan	3,201	10,572	3,293	3,694	3,300	0	36,321
Kuwait	0	6,496	0	0	0	0	20,213
Lithuania	0	0	0	0	0	0	6,844
Malta	0	0	0	0	0	0	867
Mexico	26,591	13,512	11,074	28,877	14,777	10,431	140,321
Netherlands	0	0	3,253	0	0	0	3,042
Pakistan	0	3,222	3,258	3,108	0	3,368	3,166
Panama	0	2,077	0	1,442	0	0	0
Poland	0	0	0	0	0	0	3,440
Portugal	0	0	0	0	0	3,247	19,523
Singapore	0	0	0	0	0	0	0
South Korea	13,994	17,735	17,996	11,079	28,322	21,286	130,185
Spain	0	0	0	0	0	0	29,329
Taiwan	3,268	0	0	0	6,806	0	9,004
Thailand	0	0	0	0	0	0	3,113
Turkey	0	0	0	0	3,279	3,714	24,855
United Arab Emirates	0	0	0	0	0	0	13,408
United Kingdom	0	0	0	6,267	0	0	3,410
By Truck							
Canada	0	0	1	0	15	0	5
Mexico	17	6	4	56	56	105	691
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	422
<b>Total LNG Exports</b>	<b>73,535</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>CNG</b>							
Canada	29	30	29	24	0	13	171
<b>Total CNG Exports</b>	<b>29</b>	<b>30</b>	<b>29</b>	<b>24</b>	<b>0</b>	<b>13</b>	<b>171</b>
<b>Total Exports</b>	<b>\$261,995</b>	<b>\$272,116</b>	<b>\$278,941</b>	<b>\$291,468</b>	<b>\$275,652</b>	<b>\$300,234</b>	<b>3,167,857</b>

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2017-2019

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

							2017
	December	November	October	September	August	July	June
<b>Exports</b>							
Volume (million cubic feet)							
<b>Pipeline</b>							
Canada	81,050	74,427	68,382	69,823	66,342	59,760	66,725
Mexico	135,756	133,807	132,778	125,724	135,108	135,068	134,118
<b>Total Pipeline Exports</b>	<b>216,807</b>	<b>208,234</b>	<b>201,160</b>	<b>195,548</b>	<b>201,450</b>	<b>194,828</b>	<b>200,844</b>
<b>LNG</b>							
Exports							
By Vessel							
Argentina	0	0	0	0	0	0	2,949
Bahamas	2	0	0	0	0	0	0
Barbados	19	20	17	14	16	10	16
Belgium	0	0	0	0	0	0	0
Brazil	0	0	6,967	3,364	0	3,642	0
Chile	3,362	0	3,675	0	0	3,256	3,657
China	23,433	20,871	24,588	10,056	0	7,218	0
Colombia	0	0	0	0	0	0	0
Dominican Republic	0	2,835	0	2,922	0	0	0
Egypt	0	0	0	0	3,317	3,464	0
France	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0
Haiti	0	0	0	0	0	0	0
India	3,427	7,057	0	0	0	0	3,413
Israel	0	0	0	0	0	0	0
Italy	0	0	0	0	3,372	0	3,120
Jamaica	0	0	0	0	0	0	0
Japan	13,893	0	6,725	0	3,614	0	3,683
Jordan	7,135	0	3,373	0	7,393	0	0
Kuwait	0	0	0	0	0	3,410	0
Lithuania	0	0	0	3,414	3,431	0	0
Malta	0	0	0	0	0	0	0
Mexico	3,635	10,760	6,686	10,286	6,860	14,432	24,763
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	3,702	0	0	3,399	3,662	0
Singapore	0	0	0	0	0	0	0
South Korea	20,810	21,141	21,577	17,514	10,320	14,238	7,431
Spain	3,370	3,617	2,980	3,666	3,712	217	0
Taiwan	0	2,934	3,121	0	0	0	0
Thailand	0	0	0	0	0	0	0
Turkey	3,413	7,076	0	3,443	0	0	0
United Arab Emirates	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	0	0	3,410
By Truck							
Canada	0	2	0	0	0	0	0
Mexico	105	86	65	53	33	44	19
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0
Mexico	0	0	422	0	0	0	0
<b>Total LNG Exports</b>	<b>82,604</b>	<b>80,100</b>	<b>80,195</b>	<b>54,733</b>	<b>45,468</b>	<b>53,592</b>	<b>52,462</b>
<b>CNG</b>							
Canada	13	20	4	0	1	8	16
<b>Total CNG Exports</b>	<b>13</b>	<b>20</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>16</b>
<b>Total Exports</b>	<b>299,424</b>	<b>288,354</b>	<b>281,359</b>	<b>250,280</b>	<b>246,919</b>	<b>248,428</b>	<b>253,322</b>

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2017-2019

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

	2017				
	May	April	March	February	January
<b>Exports</b>					
Volume (million cubic feet)					
<b>Pipeline</b>					
Canada	63,949	80,532	99,489	87,798	98,811
Mexico	129,110	116,027	128,774	115,089	121,696
<b>Total Pipeline Exports</b>	<b>193,058</b>	<b>196,559</b>	<b>228,263</b>	<b>202,887</b>	<b>220,508</b>
<b>LNG</b>					
Exports					
By Vessel					
Argentina	3,192	10,135	0	0	0
Bahamas	0	0	0	0	0
Barbados	15	15	20	15	22
Belgium	0	0	0	0	0
Brazil	3,676	0	0	0	0
Chile	0	5,894	2,951	2,950	0
China	3,514	0	0	10,338	3,391
Colombia	0	0	0	0	0
Dominican Republic	0	0	2,934	0	0
Egypt	0	0	0	0	0
France	0	0	0	0	0
Greece	0	0	0	0	0
Haiti	0	0	0	0	0
India	0	0	0	3,399	3,623
Israel	0	0	0	0	0
Italy	0	0	0	0	0
Jamaica	0	0	0	0	0
Japan	3,667	7,398	0	3,705	10,533
Jordan	3,453	0	6,655	2,945	5,368
Kuwait	3,281	6,784	3,360	3,378	0
Lithuania	0	0	0	0	0
Malta	0	0	0	0	867
Mexico	10,023	13,730	10,728	14,407	14,010
Netherlands	3,042	0	0	0	0
Pakistan	0	0	3,166	0	0
Panama	0	0	0	0	0
Poland	3,440	0	0	0	0
Portugal	3,625	0	0	1,692	3,442
Singapore	0	0	0	0	0
South Korea	6,818	3,295	7,042	0	0
Spain	0	0	0	1,766	10,002
Taiwan	2,949	0	0	0	0
Thailand	0	0	3,113	0	0
Turkey	0	0	3,521	7,402	0
United Arab Emirates	10,062	3,347	0	0	0
United Kingdom	0	0	0	0	0
By Truck					
Canada	0	0	3	0	0
Mexico	26	70	61	44	85
Re-Exports					
By Vessel					
Argentina	0	0	0	0	0
Brazil	0	0	0	0	0
India	0	0	0	0	0
Mexico	0	0	0	0	0
<b>Total LNG Exports</b>	<b>60,782</b>	<b>50,669</b>	<b>43,553</b>	<b>52,042</b>	<b>51,342</b>
<b>CNG</b>					
Canada	23	24	27	18	19
<b>Total CNG Exports</b>	<b>23</b>	<b>24</b>	<b>27</b>	<b>18</b>	<b>19</b>
<b>Total Exports</b>	<b>253,864</b>	<b>247,251</b>	<b>271,843</b>	<b>254,946</b>	<b>271,868</b>

See footnotes at end of table.



Table 5. U.S. natural gas exports, 2017-2019

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

	2019 4-Month YTD	2018 4-Month YTD	2017 4-Month YTD	April	March	February	2019 January
<b>Exports</b>							
Average Price (dollars per thousand cubic feet)							
<b>Pipeline</b>							
Canada	3.39	3.29	3.32	2.70	3.48	3.38	3.89
Mexico	2.90	3.27	3.27	2.37	2.77	3.03	3.42
<b>Total Pipeline Exports</b>	<b>3.09</b>	<b>3.28</b>	<b>3.30</b>	<b>2.48</b>	<b>3.04</b>	<b>3.17</b>	<b>3.60</b>
<b>LNG</b>							
Exports							
By Vessel							
Argentina	5.51	5.84	4.82	5.51	--	--	--
Bahamas	10.39	10.39	--	10.39	10.39	10.39	10.39
Barbados	10.39	10.39	10.40	10.39	10.39	10.39	10.39
Belgium	6.72	--	--	--	6.72	--	--
Brazil	5.26	6.89	--	6.62	3.41	6.64	--
Chile	3.87	3.83	6.69	4.21	3.41	4.35	--
China	5.23	4.43	4.86	3.76	--	4.97	6.16
Colombia	3.88	3.21	--	--	3.41	--	4.35
Dominican Republic	3.52	3.15	5.59	--	--	3.52	--
Egypt	--	3.27	--	--	--	--	--
France	4.66	--	--	4.26	5.24	--	3.94
Greece	6.84	--	--	--	--	6.84	--
Haiti	10.39	--	--	10.39	--	--	--
India	4.82	5.03	4.39	3.48	3.67	5.53	6.60
Israel	--	--	--	--	--	--	--
Italy	5.53	--	--	--	5.20	4.72	6.00
Jamaica	6.52	--	--	--	6.52	--	--
Japan	7.84	5.49	6.83	7.39	8.00	7.98	7.98
Jordan	3.38	4.65	5.06	3.24	--	3.52	--
Kuwait	--	--	4.26	--	--	--	--
Lithuania	--	--	--	--	--	--	--
Malta	3.76	--	4.70	3.76	--	--	--
Mexico	4.49	4.40	5.82	4.67	3.41	5.06	4.63
Netherlands	4.92	6.33	--	4.91	5.30	3.81	--
Pakistan	5.06	5.25	3.14	--	6.64	3.52	--
Panama	7.47	3.15	--	--	8.12	6.84	--
Poland	6.37	--	--	7.78	3.41	--	7.00
Portugal	5.33	3.27	7.25	3.66	--	3.97	6.39
Singapore	4.68	--	--	6.36	5.86	3.52	--
South Korea	4.18	4.82	4.63	4.74	3.41	4.12	4.63
Spain	5.52	--	6.41	4.80	4.88	5.05	8.11
Taiwan	4.23	5.89	--	4.23	--	--	--
Thailand	--	--	3.14	--	--	--	--
Turkey	5.53	3.77	6.16	3.76	--	6.64	5.33
United Arab Emirates	3.24	--	3.80	3.24	--	--	--
United Kingdom	4.96	5.89	--	--	5.15	3.52	5.40
By Truck							
Canada	8.93	13.40	8.39	--	--	8.93	--
Mexico	9.41	7.85	9.28	8.92	9.92	9.17	9.58
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
<b>Total LNG Exports</b>	<b>5.12</b>	<b>4.72</b>	<b>5.56</b>	<b>4.70</b>	<b>4.84</b>	<b>5.06</b>	<b>5.89</b>
<b>CNG</b>							
Canada	5.88	5.56	6.29	3.28	5.11	7.70	10.05
<b>Total CNG Exports</b>	<b>5.88</b>	<b>5.56</b>	<b>6.29</b>	<b>3.28</b>	<b>5.11</b>	<b>7.70</b>	<b>10.05</b>
<b>Total Exports</b>	<b>3.80</b>	<b>3.68</b>	<b>3.72</b>	<b>3.32</b>	<b>3.67</b>	<b>3.76</b>	<b>4.39</b>

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2017-2019

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

	2018						
	Total	December	November	October	September	August	July
<b>Exports</b>							
Average Price (dollars per thousand cubic feet)							
<b>Pipeline</b>							
Canada	3.41	4.60	4.36	3.24	2.92	2.95	2.83
Mexico	3.30	4.24	3.64	3.29	3.00	3.21	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>3.13</b>	<b>2.98</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
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	--	--	--	--	--	--	--
Brazil	6.05	--	--	--	--	5.79	5.90
Chile	4.33	5.63	3.61	--	3.46	--	6.77
China	4.41	5.63	6.92	3.61	--	3.38	3.53
Colombia	4.86	--	--	--	--	6.49	6.70
Dominican Republic	3.91	--	--	--	--	3.38	--
Egypt	3.27	--	--	--	--	--	--
France	7.03	7.47	7.02	6.72	--	--	--
Greece	7.62	7.62	--	--	--	--	--
Haiti	--	--	--	--	--	--	--
India	5.02	6.64	--	5.23	4.76	--	6.83
Israel	6.48	--	--	--	--	--	--
Italy	6.46	7.79	--	6.72	4.99	--	--
Jamaica	6.92	--	6.92	--	--	--	--
Japan	6.86	8.42	6.34	7.91	7.13	8.25	6.86
Jordan	4.10	--	3.80	3.61	--	3.38	--
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
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	4.56	6.75	3.80	4.52	3.86	3.38	3.58
Spain	4.59	--	3.80	3.46	--	--	6.70
Taiwan	6.51	7.49	--	--	--	--	6.70
Thailand	--	--	--	--	--	--	--
Turkey	5.38	6.64	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	12.71	10.29	--	--	8.23	--	--
Mexico	8.52	9.30	9.31	7.30	7.62	9.81	8.80
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
<b>Total LNG Exports</b>	<b>5.20</b>	<b>6.84</b>	<b>5.62</b>	<b>4.92</b>	<b>4.78</b>	<b>5.33</b>	<b>5.28</b>
<b>CNG</b>							
Canada	4.69	11.62	4.40	3.50	2.98	2.89	2.88
<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>Total Exports</b>	<b>3.89</b>	<b>5.22</b>	<b>4.46</b>	<b>3.76</b>	<b>3.47</b>	<b>3.78</b>	<b>3.72</b>

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2017-2019

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

						2018	2017
	June	May	April	March	February	January	Total
<b>Exports</b>							
Average Price (dollars per thousand cubic feet)							
<b>Pipeline</b>							
Canada	2.75	2.63	2.90	2.63	3.16	4.17	3.12
Mexico	3.04	3.09	3.01	3.00	3.41	3.64	3.26
<b>Total Pipeline Exports</b>	<b>2.96</b>	<b>2.99</b>	<b>2.98</b>	<b>2.87</b>	<b>3.31</b>	<b>3.85</b>	<b>3.20</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	10.39	10.40
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.40
Belgium	--	--	--	--	--	--	--
Brazil	--	6.48	6.33	7.46	--	--	4.15
Chile	3.44	--	4.76	3.15	4.34	3.27	5.43
China	6.56	4.31	3.67	4.20	5.93	4.84	4.32
Colombia	3.44	--	3.21	--	--	--	--
Dominican Republic	--	6.80	--	3.15	--	--	4.15
Egypt	--	--	--	--	--	3.27	4.93
France	--	--	--	--	--	--	--
Greece	--	--	--	--	--	--	--
Haiti	--	--	--	--	--	--	--
India	3.44	3.37	6.33	5.22	--	3.27	4.84
Israel	--	6.48	--	--	--	--	--
Italy	--	--	--	--	--	--	3.95
Jamaica	--	--	--	--	--	--	--
Japan	6.34	7.11	4.95	--	7.46	3.27	6.13
Jordan	6.85	3.37	6.63	3.15	4.34	--	4.40
Kuwait	--	6.76	--	--	--	--	4.38
Lithuania	--	--	--	--	--	--	3.84
Malta	--	--	--	--	--	--	4.70
Mexico	4.58	5.47	3.98	4.32	4.85	4.43	4.93
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
Singapore	--	--	--	--	--	--	--
South Korea	3.44	3.84	3.66	3.15	5.85	5.31	4.18
Spain	--	--	--	--	--	--	4.94
Taiwan	6.56	--	--	--	5.89	--	4.77
Thailand	--	--	--	--	--	--	3.14
Turkey	--	--	--	--	4.34	3.27	4.84
United Arab Emirates	--	--	--	--	--	--	3.87
United Kingdom	--	--	--	5.89	--	--	3.87
By Truck							
Canada	--	--	7.79	--	13.63	19.21	8.05
Mexico	7.04	7.18	6.40	8.03	8.43	7.49	8.74
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	5.00
<b>Total LNG Exports</b>	<b>4.65</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>CNG</b>							
Canada	2.63	2.75	4.29	3.48	--	12.47	4.76
<b>Total CNG Exports</b>	<b>2.63</b>	<b>2.75</b>	<b>4.29</b>	<b>3.48</b>	<b>--</b>	<b>12.47</b>	<b>4.76</b>
<b>Total Exports</b>	<b>3.43</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>

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2017-2019

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

							2017
	December	November	October	September	August	July	June
<b>Exports</b>							
Average Price (dollars per thousand cubic feet)							
<b>Pipeline</b>							
Canada	3.19	2.99	2.78	2.88	2.84	2.90	3.02
Mexico	3.34	3.29	3.28	3.29	3.27	3.22	3.13
<b>Total Pipeline Exports</b>	<b>3.28</b>	<b>3.18</b>	<b>3.11</b>	<b>3.14</b>	<b>3.13</b>	<b>3.12</b>	<b>3.10</b>
<b>LNG</b>							
Exports							
By Vessel							
Argentina	--	--	--	--	--	--	3.87
Bahamas	10.40	--	--	--	--	--	--
Barbados	10.40	10.40	10.40	10.40	10.40	10.40	10.40
Belgium	--	--	--	--	--	--	--
Brazil	--	--	4.14	3.55	--	4.23	--
Chile	3.68	--	3.56	--	--	3.67	6.46
China	4.87	4.60	3.56	3.99	--	3.67	--
Colombia	--	--	--	--	--	--	--
Dominican Republic	--	3.30	--	3.55	--	--	--
Egypt	--	--	--	--	3.55	6.26	--
France	--	--	--	--	--	--	--
Greece	--	--	--	--	--	--	--
Haiti	--	--	--	--	--	--	--
India	6.80	4.41	--	--	--	--	4.67
Israel	--	--	--	--	--	--	--
Italy	--	--	--	--	3.55	--	4.38
Jamaica	--	--	--	--	--	--	--
Japan	5.87	--	3.56	--	6.14	--	6.99
Jordan	3.68	--	5.45	--	3.55	--	--
Kuwait	--	--	--	--	--	4.51	--
Lithuania	--	--	--	3.55	4.13	--	--
Malta	--	--	--	--	--	--	--
Mexico	3.68	4.85	5.54	3.98	3.55	4.17	4.40
Netherlands	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--
Panama	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--
Portugal	--	3.29	--	--	4.38	6.26	--
Singapore	--	--	--	--	--	--	--
South Korea	4.20	4.60	4.15	4.05	3.59	3.67	3.87
Spain	5.73	3.29	3.56	3.55	3.55	6.26	--
Taiwan	--	6.41	3.56	--	--	--	--
Thailand	--	--	--	--	--	--	--
Turkey	3.68	3.98	--	3.55	--	--	--
United Arab Emirates	--	--	--	--	--	--	--
United Kingdom	--	--	--	--	--	--	3.87
By Truck							
Canada	--	7.35	--	--	--	--	--
Mexico	8.11	7.94	8.43	8.67	8.94	8.79	9.04
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Mexico	--	--	5.00	--	--	--	--
<b>Total LNG Exports</b>	<b>4.74</b>	<b>4.47</b>	<b>4.02</b>	<b>3.88</b>	<b>3.88</b>	<b>4.26</b>	<b>4.61</b>
<b>CNG</b>							
Canada	6.53	1.38	1.00	--	2.50	2.72	3.14
<b>Total CNG Exports</b>	<b>6.53</b>	<b>1.38</b>	<b>1.00</b>	<b>--</b>	<b>2.50</b>	<b>2.72</b>	<b>3.14</b>
<b>Total Exports</b>	<b>3.68</b>	<b>3.54</b>	<b>3.37</b>	<b>3.30</b>	<b>3.27</b>	<b>3.37</b>	<b>3.41</b>

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2017-2019

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

	2017				
	May	April	March	February	January
<b>Exports</b>					
Average Price (dollars per thousand cubic feet)					
<b>Pipeline</b>					
Canada	3.16	3.19	3.01	3.22	3.85
Mexico	3.20	3.27	2.93	3.24	3.66
<b>Total Pipeline Exports</b>	<b>3.19</b>	<b>3.24</b>	<b>2.97</b>	<b>3.23</b>	<b>3.74</b>
<b>LNG</b>					
Exports					
By Vessel					
Argentina	4.77	4.82	--	--	--
Bahamas	--	--	--	--	--
Barbados	10.40	10.40	10.40	10.40	10.40
Belgium	--	--	--	--	--
Brazil	4.63	--	--	--	--
Chile	--	6.65	6.26	7.18	--
China	4.62	--	--	4.92	4.70
Colombia	--	--	--	--	--
Dominican Republic	--	--	5.59	--	--
Egypt	--	--	--	--	--
France	--	--	--	--	--
Greece	--	--	--	--	--
Haiti	--	--	--	--	--
India	--	--	--	4.06	4.70
Israel	--	--	--	--	--
Italy	--	--	--	--	--
Jamaica	--	--	--	--	--
Japan	6.88	6.92	--	7.18	6.65
Jordan	3.76	--	4.42	4.06	6.41
Kuwait	4.77	4.19	3.14	5.50	--
Lithuania	--	--	--	--	--
Malta	--	--	--	--	4.70
Mexico	4.67	4.31	5.25	6.40	7.15
Netherlands	6.35	--	--	--	--
Pakistan	--	--	3.14	--	--
Panama	--	--	--	--	--
Poland	4.26	--	--	--	--
Portugal	6.35	--	--	7.18	7.29
Singapore	--	--	--	--	--
South Korea	4.88	6.39	3.81	--	--
Spain	--	--	--	7.18	6.28
Taiwan	4.43	--	--	--	--
Thailand	--	--	3.14	--	--
Turkey	--	--	4.60	6.91	--
United Arab Emirates	3.89	3.80	--	--	--
United Kingdom	--	--	--	--	--
By Truck					
Canada	--	--	8.39	--	--
Mexico	8.90	8.95	8.64	9.97	9.66
Re-Exports					
By Vessel					
Argentina	--	--	--	--	--
Brazil	--	--	--	--	--
India	--	--	--	--	--
Mexico	--	--	--	--	--
<b>Total LNG Exports</b>	<b>4.80</b>	<b>5.16</b>	<b>4.47</b>	<b>5.99</b>	<b>6.44</b>
<b>CNG</b>					
Canada	3.39	3.35	3.32	7.73	12.97
<b>Total CNG Exports</b>	<b>3.39</b>	<b>3.35</b>	<b>3.32</b>	<b>7.73</b>	<b>12.97</b>
<b>Total Exports</b>	<b>3.57</b>	<b>3.63</b>	<b>3.21</b>	<b>3.79</b>	<b>4.25</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, 2014-2019

(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
<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 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	£49,565	£16,916	£160,033	£17,018	£254,300	£3,918	£138,279	£78,982	£221,811
November	290,820	£47,594	£16,433	£157,889	£16,530	£247,422	£3,879	£134,160	£75,325	£219,442
December	304,668	£48,583	£16,861	£166,454	£16,248	£249,848	£3,963	£141,505	£80,944	£224,196
<b>Total</b>	<b>3,254,747</b>	<b>£594,714</b>	<b>£199,189</b>	<b>£1,830,508</b>	<b>£203,001</b>	<b>£2,829,741</b>	<b>£46,274</b>	<b>£1,524,424</b>	<b>£856,292</b>	<b>£2,385,112</b>
<b>2019</b>										
January	310,279	£47,824	£16,550	£165,670	£16,282	£255,622	£4,068	£143,500	£83,171	£213,010
February	267,512	RE42,493	£15,304	RE149,053	RE14,518	RE237,649	RE3,451	RE135,371	RE72,628	RE191,241
March	285,417	RE46,834	£16,718	RE164,529	RE16,051	RE260,111	RE3,960	RE153,628	RE86,775	RE209,206
April	289,980	£44,931	£16,303	£162,302	£15,681	£245,740	£4,079	£149,494	£83,283	£203,155
<b>2019 4-Month YTD</b>	<b>1,153,188</b>	<b>£182,082</b>	<b>£64,875</b>	<b>£641,554</b>	<b>£62,532</b>	<b>£999,122</b>	<b>£15,557</b>	<b>£581,993</b>	<b>£325,857</b>	<b>£816,612</b>
<b>2018 4-Month YTD</b>	<b>1,143,889</b>	<b>£200,751</b>	<b>£65,406</b>	<b>£587,619</b>	<b>£68,012</b>	<b>£867,136</b>	<b>£14,925</b>	<b>£464,049</b>	<b>£255,796</b>	<b>£729,318</b>
<b>2017 4-Month YTD</b>	<b>1,171,612</b>	<b>239,032</b>	<b>67,294</b>	<b>550,198</b>	<b>73,465</b>	<b>637,887</b>	<b>16,167</b>	<b>421,005</b>	<b>205,658</b>	<b>515,977</b>

See footnotes at end of table.

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2014-2019

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
<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 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	24,992	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	£261,852	£555,294	£782,625	£24,739	£163,908	£145,903	£43,529	£82,288	£3,272,022
November	£254,204	£546,469	£766,133	£23,928	£163,643	£139,623	£41,865	£88,071	£3,233,430
December	£266,174	£563,522	£802,801	£24,160	£169,358	£141,900	£42,804	£88,797	£3,352,785
<b>Total</b>	<b>£2,946,117</b>	<b>£6,206,874</b>	<b>£8,813,974</b>	<b>£297,446</b>	<b>£1,799,097</b>	<b>£1,720,897</b>	<b>£509,326</b>	<b>£991,125</b>	<b>£37,008,858</b>
<b>2019</b>									
January	£262,662	£577,495	£806,273	£23,796	£167,795	£130,338	£41,594	£90,502	£3,356,433
February	RE240,995	RE522,864	RE745,847	RE21,460	£153,614	RE122,593	£37,916	RE75,336	RE3,049,845
March	RE264,199	RE582,871	RE816,869	RE23,817	RE170,931	RE135,374	RE40,668	RE90,631	RE3,368,589
April	£261,982	£563,601	£804,804	£22,948	£169,137	£133,911	£40,243	£86,491	£3,298,064
<b>2019 4-Month YTD</b>	<b>£1,029,838</b>	<b>£2,246,831</b>	<b>£3,173,793</b>	<b>£92,021</b>	<b>£661,477</b>	<b>£522,216</b>	<b>£160,422</b>	<b>£342,960</b>	<b>£13,072,930</b>
<b>2018 4-Month YTD</b>	<b>£913,393</b>	<b>£1,957,396</b>	<b>£2,708,596</b>	<b>£99,877</b>	<b>£556,564</b>	<b>£580,966</b>	<b>£167,948</b>	<b>£309,185</b>	<b>£11,690,826</b>
<b>2017 4-Month YTD</b>	<b>784,447</b>	<b>1,784,171</b>	<b>2,553,987</b>	<b>106,915</b>	<b>484,716</b>	<b>586,129</b>	<b>181,062</b>	<b>388,570</b>	<b>10,768,290</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 report. The "Other States" category comprises states/areas not individually collected on the EIA-914 report (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 report 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:** 2014-2017: 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, 2014-2019**  
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
<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 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	£49,565	£16,916	£159,633	£17,018	£253,283	£3,669	£134,946	£68,138	£221,811
November	29,407	£47,594	£16,433	£157,494	£16,530	£246,432	£3,633	£130,927	£64,983	£219,442
December	30,927	£48,583	£16,861	£166,038	£16,248	£248,849	£3,711	£138,095	£69,830	£224,196
<b>Total</b>	<b>341,381</b>	<b>£594,714</b>	<b>£199,189</b>	<b>£1,825,932</b>	<b>£203,001</b>	<b>£2,818,422</b>	<b>£43,331</b>	<b>£1,487,685</b>	<b>£738,723</b>	<b>£2,385,112</b>
<b>2019</b>										
January	30,503	£47,824	£16,550	£165,255	£16,282	£254,600	£3,809	£140,041	£71,752	£213,010
February	26,728	RE42,493	£15,304	RE148,681	RE14,518	RE236,698	RE3,231	RE132,109	RE62,656	RE191,241
March	29,346	RE46,834	£16,718	RE164,117	RE16,051	RE259,070	RE3,708	RE149,926	RE74,860	RE209,206
April	29,264	£44,931	£16,303	£161,896	£15,681	£244,757	£3,819	£145,891	£71,848	£203,155
<b>2019 4-Month YTD</b>	<b>115,841</b>	<b>£182,082</b>	<b>£64,875</b>	<b>£639,950</b>	<b>£62,532</b>	<b>£995,125</b>	<b>£14,568</b>	<b>£567,967</b>	<b>£281,117</b>	<b>£816,612</b>
<b>2018 4-Month YTD</b>	<b>118,615</b>	<b>£200,751</b>	<b>£65,406</b>	<b>£586,150</b>	<b>£68,012</b>	<b>£863,668</b>	<b>£13,976</b>	<b>£452,865</b>	<b>£220,675</b>	<b>£729,318</b>
<b>2017 4-Month YTD</b>	<b>120,884</b>	<b>239,032</b>	<b>67,294</b>	<b>549,181</b>	<b>73,465</b>	<b>635,107</b>	<b>15,089</b>	<b>409,165</b>	<b>180,821</b>	<b>515,977</b>

See footnotes at end of table.



Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2014-2019

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
<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 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	24,992	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	€261,852	€555,294	€698,415	€24,739	€163,908	€128,176	€42,379	€80,930	€2,908,932
November	€254,204	€546,469	€683,697	€23,928	€163,643	€122,659	€40,760	€86,618	€2,854,852
December	€266,174	€563,522	€716,419	€24,160	€169,358	€124,659	€41,674	€87,332	€2,956,635
<b>Total</b>	<b>€2,946,117</b>	<b>€6,206,874</b>	<b>€7,865,591</b>	<b>€297,446</b>	<b>€1,799,097</b>	<b>€1,511,808</b>	<b>€495,880</b>	<b>€974,772</b>	<b>€32,735,074</b>
<b>2019</b>									
January	€262,662	€577,495	€719,518	€23,796	€167,795	€114,502	€40,496	€89,009	€2,954,901
February	RE240,995	RE522,864	RE665,594	RE21,460	€153,614	RE107,698	€36,915	RE74,093	RE2,696,892
March	RE264,199	RE582,871	RE728,974	RE23,817	RE170,931	RE118,926	RE39,595	RE89,135	RE2,988,285
April	€261,982	€563,601	€718,207	€22,948	€169,137	€117,641	€39,181	€85,064	€2,915,305
<b>2019 4-Month YTD</b>	<b>€1,029,838</b>	<b>€2,246,831</b>	<b>€2,832,293</b>	<b>€92,021</b>	<b>€661,477</b>	<b>€458,766</b>	<b>€156,187</b>	<b>€337,301</b>	<b>€11,555,383</b>
<b>2018 4-Month YTD</b>	<b>€913,393</b>	<b>€1,957,396</b>	<b>€2,417,151</b>	<b>€99,877</b>	<b>€556,564</b>	<b>€510,379</b>	<b>€163,515</b>	<b>€304,083</b>	<b>€10,241,793</b>
<b>2017 4-Month YTD</b>	<b>784,447</b>	<b>1,784,171</b>	<b>2,259,768</b>	<b>106,915</b>	<b>484,716</b>	<b>502,406</b>	<b>176,289</b>	<b>382,217</b>	<b>9,286,944</b>

<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 report. The "Other States" category comprises states/areas not individually collected on the EIA-914 report (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 report 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:** 2014-2017: 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, 2014-2019

(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>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 Total<sup>c</sup></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	-778	-29.6	489	66	-423
June	4,354	2,196	6,550	-711	-24.5	436	88	-349
July	4,354	2,382	6,736	-672	-22.0	362	175	-186
August	4,355	2,618	6,973	-632	-19.5	407	172	-235
September	4,356	2,951	7,307	-616	-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	4,361	2,709	7,070	-324	-10.7	191	511	320
<b>Total</b>	--	--	--	--	--	<b>3,676</b>	<b>3,999</b>	<b>323</b>
<b>2019</b>								
January	4,366	1,994	6,360	-147	-6.9	95	804	709
February	4,366	1,426	5,792	-247	-14.8	104	672	568
March	4,360	1,185	5,545	-206	-14.8	190	435	245
April	4,367	1,560	5,927	132	9.3	486	104	-382

<sup>a</sup> Total underground storage capacity at the end of each calendar year (in billion cubic feet): 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.

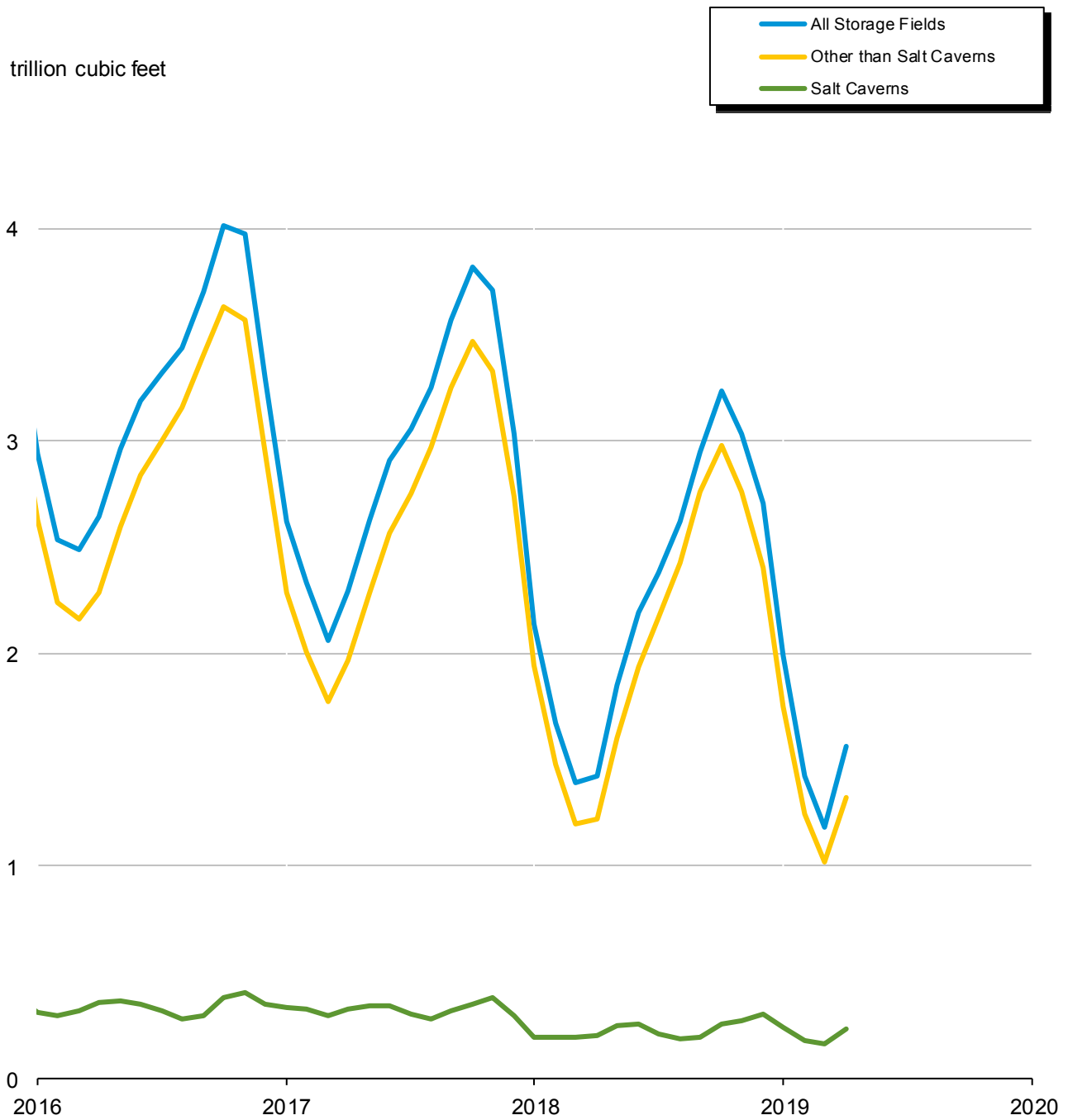
-- Not applicable.

**Notes:** Data for 2014 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.

**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, 2016-2019

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			Net Withdrawals <sup>a</sup>
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals		
<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	-778	-29.6	489	66	-423	
June	4,354	2,196	6,550	-711	-24.5	436	88	-349	
July	4,354	2,382	6,736	-672	-22.0	362	175	-186	
August	4,355	2,618	6,973	-632	-19.5	407	172	-235	
September	4,356	2,951	7,307	-616	-17.3	464	130	-334	
October	4,357	3,237	7,594	-580	-15.2	422	131	-291	
<b>Total</b>	--	--	--	--	--	<b>2,835</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	4,361	2,709	7,070	-324	-10.7	191	511	320	
January	4,366	1,994	6,360	-147	-6.9	95	804	709	
February	4,366	1,426	5,792	-247	-14.8	104	672	568	
March	4,360	1,185	5,545	-206	-14.8	190	435	245	
<b>Total</b>	--	--	--	--	--	<b>793</b>	<b>2,840</b>	<b>2,047</b>	
<b>2019 Refill Season</b>									
April	4,367	1,560	5,927	132	9.3	486	104	-382	

<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.

**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, 2014-2019**  
(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>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 Total<sup>b</sup></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>
<b>2019</b>								
January	196	243	439	51	26.4	45	108	62
February	195	183	377	-14	-6.9	42	104	62
March	192	165	357	-28	-14.6	68	87	19
April	196	234	431	31	15.5	109	36	-73
<b>2019 4-Month YTD</b>	--	--	--	--	--	<b>265</b>	<b>336</b>	<b>70</b>
<b>2018 4-Month YTD</b>	--	--	--	--	--	<b>263</b>	<b>358</b>	<b>95</b>
<b>2017 4-Month YTD</b>	--	--	--	--	--	<b>242</b>	<b>262</b>	<b>20</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.

<sup>c</sup> Not applicable.

**Notes:** Data for 2014 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.

**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, 2014-2019**  
(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>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 Total<sup>b</sup></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	1,599	5,755	-685	-30.0	410	35	-376
June	4,158	1,940	6,099	-627	-24.4	387	44	-343
July	4,159	2,168	6,326	-583	-21.2	326	99	-228
August	4,159	2,430	6,588	-541	-18.2	363	101	-262
September	4,160	2,760	6,920	-489	-15.1	398	68	-330
October	4,162	2,982	7,144	-484	-14.0	316	86	-229
November	4,161	2,760	6,921	-571	-17.1	132	353	221
December	4,165	2,404	6,568	-332	-12.1	102	457	354
<b>Total</b>	--	--	--	--	--	<b>2,864</b>	<b>3,192</b>	<b>327</b>
<b>2019</b>								
January	4,170	1,751	5,921	-198	-10.1	50	696	646
February	4,171	1,243	5,415	-234	-15.8	62	568	506
March	4,167	1,020	5,188	-178	-14.8	122	348	226
April	4,171	1,325	5,496	101	8.2	376	67	-309
<b>2019 4-Month YTD</b>	--	--	--	--	--	<b>610</b>	<b>1,679</b>	<b>1,069</b>
<b>2018 4-Month YTD</b>	--	--	--	--	--	<b>430</b>	<b>1,950</b>	<b>1,520</b>
<b>2017 4-Month YTD</b>	--	--	--	--	--	<b>535</b>	<b>1,519</b>	<b>984</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.

<sup>R</sup> Revised data.

-- Not applicable.

**Notes:** Data for 2014 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.

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

**Table 12. Net withdrawals from underground storage, by state, 2017-2019**  
(million cubic feet)

State	2019				Total	2018
	April	March	February	January		December
Alabama	-4,541	1,480	3,277	1,154	2,660	-4,038
Alaska <sup>a</sup>	-145	1,222	2,658	3,160	-896	1,678
Arkansas	-312	696	1,094	1,185	-654	763
California	-39,081	-1,442	50,783	30,628	52,175	33,067
Colorado	-482	1,062	7,360	10,411	5,422	9,020
Illinois	-2,460	21,726	44,951	71,746	-3,407	44,338
Indiana	-99	2,798	3,994	6,207	-279	3,094
Iowa	-332	2,664	8,451	18,111	2,874	18,169
Kansas	-13,773	7,971	22,056	24,030	-796	14,219
Kentucky	-15,484	4,786	11,343	18,947	10,209	6,435
Louisiana	-56,512	17,530	50,760	60,935	58,314	10,719
Maryland	-1,044	3,480	2,834	3,137	-2,128	-346
Michigan	-45,883	65,710	115,237	138,813	43,376	58,969
Minnesota	59	277	250	512	-274	22
Mississippi	-24,390	6,673	14,485	26,551	7,009	-13,517
Missouri	-201	-410	11	1,325	-816	-118
Montana	-1,857	1,364	6,273	4,655	7,240	3,051
Nebraska	-604	304	2,061	2,218	464	1,209
New Mexico	-2,805	-148	727	1,041	9,745	-302
New York	-7,371	7,677	14,552	18,955	14,193	10,444
Ohio	-9,978	25,100	34,073	38,856	4,840	21,319
Oklahoma	-16,486	8,971	25,251	27,838	11,813	11,329
Oregon	-750	15	4,007	5,447	-955	3,090
Pennsylvania	-33,670	41,514	65,257	80,114	17,829	35,891
Tennessee	-37	24	6	78	-35	138
Texas	-64,861	1,134	18,393	42,024	58,872	15,521
Utah	-4,492	5,387	8,384	10,048	7,760	7,577
Virginia	-603	419	-55	979	-973	-186
Washington	-3,896	-2,335	5,868	5,673	-802	1,698
West Virginia	-27,036	18,400	39,896	50,155	17,127	23,533
Wyoming	-2,941	1,199	3,903	3,680	2,911	3,553
<b>Regions</b>						
East Region	-79,702	96,588	156,555	192,196	50,888	90,655
South Central Region	-180,876	44,455	135,316	183,717	137,218	34,995
Midwest Region	-64,436	97,575	184,242	255,741	51,647	131,047
Mountain Region	-13,181	9,168	28,709	32,052	33,542	24,109
Pacific Region	-43,727	-3,761	60,659	41,748	50,417	37,856
<b>Total Lower 48 States</b>	<b>-381,923</b>	<b>244,024</b>	<b>565,482</b>	<b>705,454</b>	<b>323,713</b>	<b>318,661</b>
<b>U.S. Total</b>	<b>-382,067</b>	<b>245,246</b>	<b>568,139</b>	<b>708,614</b>	<b>322,817</b>	<b>320,339</b>

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2017-2019

(million cubic feet) – continued

State	2018					
	November	October	September	August	July	June
Alabama	-553	-3,424	3,736	3,070	2,879	1,165
Alaska <sup>a</sup>	376	-743	-1,536	-1,795	-1,862	-1,749
Arkansas	779	-345	-522	-931	-793	-838
California	11,111	-365	-12,150	290	8,376	-18,473
Colorado	1,471	-2,840	-4,713	-5,997	-2,338	-6,154
Illinois	5,019	-43,390	-42,720	-34,744	-28,754	-29,674
Indiana	497	-2,417	-3,720	-4,155	-2,826	-3,023
Iowa	8,860	-19,964	-19,504	-15,538	-1,673	-1,593
Kansas	6,918	-8,986	-13,872	-13,675	-12,141	-12,300
Kentucky	5,196	-4,344	-9,599	-4,460	-2,846	-5,514
Louisiana	22,799	-24,437	-20,246	-4,409	7,158	-17,984
Maryland	288	-1,099	-652	-2,598	-2,904	-3,246
Michigan	44,138	-54,740	-65,317	-74,298	-76,375	-75,997
Minnesota	10	-196	-279	-269	-221	-162
Mississippi	825	-18,359	9,728	11,902	13,724	-1,213
Missouri	-124	-330	-244	25	24	25
Montana	3,536	2,479	-2,451	-4,466	-4,171	-4,023
Nebraska	327	64	-1,400	-839	-633	-887
New Mexico	-1,194	-2,223	-488	1,475	3,751	93
New York	7,608	-4,921	-14,541	-9,405	-6,908	-8,007
Ohio	18,578	-7,023	-22,743	-25,825	-25,872	-25,869
Oklahoma	6,616	-14,498	-10,303	-13,480	-5,348	-13,098
Oregon	-454	-725	-2,316	431	-1,178	-2,824
Pennsylvania	25,911	-30,599	-54,224	-28,602	-39,628	-46,334
Tennessee	59	23	2	-58	-82	-75
Texas	-3,988	-35,251	-12,209	28,939	26,147	-22,403
Utah	6,999	-2,699	-5,992	-3,631	-4,035	-6,954
Virginia	457	-1,094	-176	214	74	-77
Washington	1,393	53	-2,437	-2,448	1,854	-5,671
West Virginia	27,577	-7,429	-22,336	-28,124	-29,175	-33,562
Wyoming	3,845	-702	-841	-1,932	-612	-2,156
<b>Regions</b>						
East Region	80,420	-52,163	-114,671	-94,340	-104,413	-117,095
South Central Region	33,396	-105,300	-43,688	11,415	31,626	-66,671
Midwest Region	63,655	-125,358	-141,382	-133,497	-112,753	-116,013
Mountain Region	14,985	-5,921	-15,884	-15,390	-8,038	-20,081
Pacific Region	12,049	-1,037	-16,903	-1,727	9,052	-26,969
<b>Total Lower 48 States</b>	<b>204,504</b>	<b>-289,779</b>	<b>-332,528</b>	<b>-233,540</b>	<b>-184,526</b>	<b>-346,829</b>
<b>U.S. Total</b>	<b>204,880</b>	<b>-290,521</b>	<b>-334,064</b>	<b>-235,335</b>	<b>-186,388</b>	<b>-348,578</b>

See footnotes at end of table.



Table 12. Net withdrawals from underground storage, by state, 2017-2019

(million cubic feet) – continued

State	2018					2017
	May	April	March	February	January	Total
Alabama	-3,590	-2,801	-2,192	885	7,522	3,570
Alaska <sup>a</sup>	-856	25	1,020	1,988	2,559	-3,585
Arkansas	-917	-193	776	616	951	-629
California	-29,083	-18,639	10,696	25,368	41,978	5,688
Colorado	-6,557	127	4,370	9,346	9,686	-309
Illinois	-20,286	7,769	31,354	43,006	64,676	8,410
Indiana	-1,240	542	3,497	4,115	5,357	-69
Iowa	-2,828	1,387	6,081	9,545	19,932	329
Kansas	-12,254	-1,471	9,818	19,645	23,304	6,142
Kentucky	-10,612	3,827	312	8,578	23,235	15,130
Louisiana	-42,625	7,969	7,193	16,429	95,750	26,198
Maryland	-1,661	654	1,983	2,961	4,492	-1,045
Michigan	-75,307	15,716	77,908	107,038	161,641	47,361
Minnesota	6	112	175	290	238	248
Mississippi	-15,259	-3,445	-2,922	-12,144	37,691	21,817
Missouri	-345	321	98	-133	-15	248
Montana	-4,084	-591	4,348	6,469	7,142	2,360
Nebraska	-2,061	-472	1	1,856	3,298	1,266
New Mexico	-818	-258	1,785	3,846	4,077	11,752
New York	-12,164	-952	14,822	15,424	22,793	-3,120
Ohio	-26,345	4,379	27,353	24,424	42,463	9,594
Oklahoma	-17,878	-6,196	5,470	31,221	37,977	23,004
Oregon	-2,644	29	-261	2,704	3,193	214
Pennsylvania	-50,138	858	60,784	53,807	90,102	9,738
Tennessee	-96	-44	-30	25	104	-45
Texas	-37,196	-28,408	-15,104	36,004	106,822	65,344
Utah	-8,576	-1,893	3,257	9,335	14,371	2,594
Virginia	-607	-627	1,485	-193	-243	912
Washington	-4,561	-2,546	2,206	6,762	2,896	1,133
West Virginia	-28,088	-6,014	28,590	33,907	58,248	-5,627
Wyoming	-4,390	-936	136	3,444	3,503	5,222
<b>Regions</b>						
East Region	-119,003	-1,702	135,016	130,329	217,855	10,452
South Central Region	-129,720	-34,545	3,039	92,655	310,017	145,446
Midwest Region	-110,707	29,630	119,395	172,464	275,168	71,612
Mountain Region	-26,486	-4,022	13,898	34,295	42,077	22,884
Pacific Region	-36,288	-21,156	12,640	34,834	48,067	7,035
<b>Total Lower 48 States</b>	<b>-422,203</b>	<b>-31,796</b>	<b>283,988</b>	<b>464,577</b>	<b>893,183</b>	<b>257,429</b>
<b>U.S. Total</b>	<b>-423,060</b>	<b>-31,771</b>	<b>285,008</b>	<b>466,564</b>	<b>895,742</b>	<b>253,844</b>

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2017-2019

(million cubic feet) – continued

State	2017					
	December	November	October	September	August	July
Alabama	2,448	-1,237	-3,630	-561	3,628	3,386
Alaska <sup>a</sup>	1,309	1,622	-476	-1,624	-2,476	-2,424
Arkansas	1,220	397	-251	-582	-574	-647
California	37,901	6,223	-4,453	-12,170	1,123	-6,826
Colorado	13,278	-4,315	-582	-6,013	-2,922	-5,245
Illinois	57,696	-333	-40,165	-41,306	-34,888	-25,184
Indiana	4,827	-1,525	-2,472	-2,352	-2,191	-2,486
Iowa	20,539	6,240	-20,082	-19,446	-11,805	-1,696
Kansas	22,474	-872	-5,986	-5,422	656	-2,088
Kentucky	15,659	3,170	-10,110	-8,402	-1,317	5,583
Louisiana	57,784	-10,494	-13,491	-23,167	3,696	1,075
Maryland	2,079	816	-533	-1,395	-2,626	-2,873
Michigan	121,334	39,265	-34,646	-52,348	-54,494	-38,760
Minnesota	298	-9	-232	-242	-244	-220
Mississippi	29,161	-4,909	-11,495	-17,129	4,913	14,979
Missouri	864	-210	-217	-432	*	0
Montana	7,373	3,931	-812	-4,091	-2,393	-3,558
Nebraska	2,753	-232	-702	-1,206	-564	-935
New Mexico	4,715	1,939	235	241	2,883	1,623
New York	15,467	5,738	-10,854	-13,746	-15,700	-8,367
Ohio	33,605	16,388	-3,490	-22,590	-24,349	-26,059
Oklahoma	27,244	3,272	-9,766	-4,340	1,626	1,039
Oregon	5,113	190	-705	-899	-702	-545
Pennsylvania	61,182	20,680	-31,295	-33,239	-47,206	-37,135
Tennessee	68	5	-31	-42	11	8
Texas	84,716	-11,751	-30,361	-16,898	19,068	18,244
Utah	12,258	-177	-1,600	-4,342	-1,449	-3,718
Virginia	1,051	-144	-40	-761	-317	349
Washington	4,053	-191	1,203	-3,610	-2,225	329
West Virginia	43,252	13,698	-11,598	-17,030	-24,959	-26,009
Wyoming	3,028	-1,194	1,188	-1,390	172	-1,694
<b>Regions</b>						
East Region	156,637	57,175	-57,810	-88,761	-115,156	-100,093
South Central Region	225,046	-25,593	-74,980	-68,100	33,012	35,989
Midwest Region	221,285	46,603	-107,955	-124,569	-104,928	-62,755
Mountain Region	43,405	-48	-2,273	-16,801	-4,273	-13,527
Pacific Region	47,067	6,222	-3,956	-16,679	-1,804	-7,041
<b>Total Lower 48 States</b>	<b>693,440</b>	<b>84,358</b>	<b>-246,975</b>	<b>-314,911</b>	<b>-193,148</b>	<b>-147,426</b>
<b>U.S. Total</b>	<b>694,748</b>	<b>85,980</b>	<b>-247,451</b>	<b>-316,535</b>	<b>-195,625</b>	<b>-149,850</b>

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2017-2019

(million cubic feet) – continued

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

<sup>a</sup> Alaska data are not included in the regions' totals or the lower 48 states total.<sup>R</sup> Revised data.<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. See Explanatory Note 5 in Appendix A for a list of the five 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, April 2019

(volumes in million cubic feet)

State	Field Count	Total Storage Capacity	Working Gas Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
				Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	2	43,600	33,150	10,450	15,292	25,742	-644	-4.0	4,910	369
Alaska <sup>a</sup>	5	83,592	67,915	14,197	30,101	44,298	-496	-1.6	893	748
Arkansas	2	21,774	8,894	12,880	763	13,643	143	23.0	430	118
California	14	604,048	373,966	230,115	140,671	370,787	-33,200	-19.1	40,435	1,353
Colorado	10	140,407	72,554	60,321	20,447	80,768	2,439	13.5	5,162	4,680
Illinois	28	1,009,080	303,613	705,678	62,827	768,505	14,293	29.5	13,112	10,652
Indiana	21	113,006	32,279	80,740	10,011	90,751	1,255	14.3	350	251
Iowa	4	288,210	90,313	197,881	19,575	217,457	5,193	36.1	1,054	721
Kansas	16	282,986	122,982	163,824	36,455	200,279	6,062	19.9	16,709	2,936
Kentucky	22	221,695	107,596	112,807	43,250	156,058	6,273	17.0	16,863	1,380
Louisiana	19	740,003	446,812	284,267	177,040	461,307	-6,217	-3.4	77,491	20,979
Maryland	1	64,000	18,300	45,677	7,247	52,925	3,811	110.9	1,051	8
Michigan	44	1,071,608	683,820	386,911	165,003	551,914	42,908	35.1	53,794	7,912
Minnesota	1	7,000	2,000	4,848	1,015	5,863	-8	-0.8	0	59
Mississippi	11	331,890	202,584	122,134	84,541	206,675	-8,132	-8.8	33,533	9,143
Missouri	1	13,845	3,656	10,189	2,263	12,452	346	18.0	247	46
Montana	4	376,225	197,477	179,613	5,755	185,368	-1,705	-22.9	2,278	421
Nebraska	1	34,850	12,653	22,197	3,747	25,944	193	5.4	731	128
New Mexico	2	89,100	59,738	29,362	24,592	53,954	890	3.8	2,960	155
New York	26	245,779	127,487	113,851	43,864	157,715	3,688	9.2	9,247	1,876
Ohio	24	575,109	253,750	321,358	45,519	366,877	5,137	12.7	12,475	2,497
Oklahoma	12	372,191	195,582	176,466	74,713	251,179	10,447	16.3	20,531	4,045
Oregon	7	29,208	15,935	13,273	3,572	16,845	-3,667	-50.7	750	0
Pennsylvania	49	763,296	427,601	334,799	125,619	460,418	33,877	36.9	45,508	11,838
Tennessee	2	2,400	1,800	878	1,222	2,099	16	1.3	40	2
Texas	35	845,081	544,640	294,766	306,861	601,627	44,322	16.9	80,205	15,344
Utah	3	124,509	54,942	69,508	10,514	80,022	-2,028	-16.2	5,506	1,014
Virginia	2	8,960	4,930	4,030	4,111	8,141	655	19.0	1,050	447
Washington	1	46,900	24,600	22,300	14,196	36,496	5,290	59.4	5,286	1,390
West Virginia	31	531,706	268,810	262,374	67,414	329,788	15,452	29.7	29,692	2,656
Wyoming	9	139,947	58,492	79,261	11,383	90,644	-14,499	-56.0	3,305	364
<b>Regions</b>										
East Region	133	2,188,849	1,100,878	1,082,090	293,773	1,375,863	62,620	27.1	99,024	19,321
South Central Region	97	2,637,525	1,554,643	1,064,786	695,665	1,760,452	45,980	7.1	233,809	52,933
Midwest Region	123	2,726,843	1,225,076	1,499,934	305,166	1,805,099	70,277	29.9	85,460	21,024
Mountain Region	29	905,038	455,856	440,262	76,438	516,700	-14,710	-16.1	19,942	6,761
Pacific Region	22	680,156	414,501	265,688	158,439	424,128	-31,577	-16.6	46,471	2,743
<b>Total Lower 48 States</b>	<b>404</b>	<b>9,138,411</b>	<b>4,750,954</b>	<b>4,352,760</b>	<b>1,529,482</b>	<b>5,882,242</b>	<b>132,590</b>	<b>9.5</b>	<b>484,706</b>	<b>102,783</b>
<b>U.S. Total</b>	<b>409</b>	<b>9,222,003</b>	<b>4,818,870</b>	<b>4,366,957</b>	<b>1,559,583</b>	<b>5,926,540</b>	<b>132,094</b>	<b>9.3</b>	<b>485,599</b>	<b>103,531</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. See Explanatory Note 5 in Appendix A for a list of the five 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 14. Natural gas deliveries to residential consumers, by state, 2017-2019

(million cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	17,217	19,703	12,657	1,797	3,846	3,757	7,817
Alaska	8,640	9,020	9,847	1,442	2,126	2,268	2,804
Arizona	23,933	18,090	18,552	2,706	5,556	7,322	8,349
Arkansas	NA	19,337	13,235	1,936	NA	5,005	6,472
California	223,517	199,047	207,827	30,595	51,644	74,103	67,175
Colorado	73,252	66,907	58,049	9,644	19,493	20,706	23,408
Connecticut	30,209	30,188	27,120	3,952	7,506	8,536	10,215
Delaware	6,928	NA	5,649	680	1,708	2,058	2,482
District of Columbia	NA	7,026	6,439	755	1,673	NA	2,128
Florida	7,727	8,418	6,676	1,533	1,643	2,136	2,414
Georgia	62,896	67,389	48,978	7,052	15,017	15,580	25,246
Hawaii	214	212	210	51	55	51	58
Idaho	14,696	13,259	14,712	1,846	3,443	4,546	4,861
Illinois	247,344	247,182	194,907	30,310	60,542	71,414	85,078
Indiana	82,745	82,995	63,085	8,703	20,848	23,416	29,778
Iowa	41,526	40,486	32,499	4,643	10,026	12,597	14,259
Kansas	39,417	38,710	28,518	3,184	9,344	12,892	13,997
Kentucky	27,685	29,736	21,542	2,258	7,121	7,650	10,656
Louisiana	19,837	20,212	12,238	2,542	4,415	5,108	7,772
Maine	1,749	1,641	1,503	258	420	508	563
Maryland	45,924	50,471	40,012	3,720	11,549	14,364	16,290
Massachusetts	67,291	77,483	64,963	8,936	17,385	18,227	22,742
Michigan	192,292	188,639	152,255	25,288	47,932	52,919	66,153
Minnesota	80,872	80,495	64,896	10,239	18,976	24,779	26,879
Mississippi	13,021	13,580	8,487	1,241	3,172	3,530	5,078
Missouri	64,658	65,118	44,655	5,321	15,740	20,104	23,493
Montana	12,954	NA	11,028	1,548	3,262	4,643	3,501
Nebraska	24,239	24,656	18,630	2,545	6,234	7,843	7,617
Nevada	25,420	21,012	22,024	2,961	6,197	7,914	8,349
New Hampshire	4,494	4,376	3,896	581	1,076	1,275	1,561
New Jersey	129,846	139,483	119,067	14,442	33,538	37,529	44,336
New Mexico	19,467	17,797	15,278	2,317	4,063	5,824	7,264
New York	268,831	268,144	232,257	34,783	71,039	73,069	89,940
North Carolina	37,752	42,768	29,547	3,069	9,511	9,950	15,222
North Dakota	8,072	NA	5,915	973	1,872	2,691	2,537
Ohio	168,100	168,733	131,640	19,144	43,397	47,551	58,007
Oklahoma	39,033	37,838	25,728	3,489	9,414	12,095	14,035
Oregon	24,856	21,530	24,841	3,367	6,004	8,108	7,377
Pennsylvania	141,532	147,867	118,426	14,539	35,708	40,517	50,767
Rhode Island	11,062	11,231	9,791	1,382	2,799	3,079	3,803
South Carolina	16,284	17,926	12,137	1,678	3,702	4,348	6,556
South Dakota	8,354	NA	6,596	1,103	2,028	2,662	2,560
Tennessee	39,306	43,294	27,716	3,437	10,028	10,350	15,490
Texas	130,763	NA	86,598	16,360	32,559	38,809	43,035
Utah	36,133	33,120	32,088	3,703	8,592	10,954	12,884
Vermont	2,345	2,244	1,945	375	562	666	742
Virginia	48,674	NA	40,645	4,414	11,590	14,298	18,373
Washington	45,551	42,463	46,756	6,180	10,465	15,634	13,272
West Virginia	14,080	15,965	12,059	1,375	3,893	3,733	5,079
Wisconsin	83,796	81,394	67,883	11,378	19,461	24,220	28,737
Wyoming	8,038	7,483	6,663	1,348	2,149	2,316	2,224
<b>Total</b>	<b>2,768,296</b>	<b>2,757,474</b>	<b>2,268,670</b>	<b>327,124</b>	<b>685,904</b>	<b>805,830</b>	<b>949,438</b>

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						
	Total	December	November	October	September	August	July
Alabama	35,026	6,221	4,165	1,024	664	708	682
Alaska	18,587	2,609	2,094	1,318	754	590	500
Arizona	35,043	5,771	3,161	1,669	1,130	1,047	1,120
Arkansas	32,778	5,218	3,820	1,197	593	554	501
California	NA	63,860	38,605	22,816	19,331	NA	19,967
Colorado	133,446	23,775	16,632	8,974	3,264	2,777	2,611
Connecticut	53,100	7,970	6,068	2,515	1,052	951	1,066
Delaware	NA	1,740	1,202	373	167	166	166
District of Columbia	12,438	1,983	1,529	501	250	271	266
Florida	16,954	1,978	1,183	848	834	752	811
Georgia	132,751	21,345	17,131	6,303	3,884	4,087	3,917
Hawaii	590	49	47	44	45	47	46
Idaho	27,111	5,079	3,739	1,726	734	567	548
Illinois	435,421	63,233	57,572	23,343	8,018	7,334	7,470
Indiana	143,773	21,660	19,405	7,255	2,470	2,103	2,203
Iowa	69,576	10,411	8,799	3,675	1,270	1,056	934
Kansas	69,351	11,009	9,516	3,302	1,484	1,158	1,062
Kentucky	51,210	7,764	6,900	2,545	852	748	696
Louisiana	39,149	6,155	4,531	1,776	1,320	1,121	1,210
Maine	3,020	483	378	168	60	54	49
Maryland	NA	12,788	10,157	3,467	1,553	1,474	1,568
Massachusetts	130,084	18,840	13,850	5,119	2,640	2,360	2,482
Michigan	336,215	49,585	43,481	22,202	6,189	6,046	5,269
Minnesota	NA	20,633	17,589	9,150	2,857	2,485	2,218
Mississippi	24,453	4,123	3,071	934	493	560	513
Missouri	114,010	18,239	16,228	5,272	1,744	1,662	1,666
Montana	NA	3,355	2,665	1,680	465	382	357
Nebraska	42,428	6,377	4,878	2,116	687	609	768
Nevada	41,094	6,806	3,980	1,995	1,383	1,134	1,234
New Hampshire	7,745	1,258	1,000	257	170	149	136
New Jersey	238,504	35,463	25,260	11,001	4,694	4,311	4,764
New Mexico	NA	6,487	NA	1,811	835	876	814
New York	475,539	67,676	54,825	22,820	10,494	9,705	10,830
North Carolina	74,354	13,131	10,643	2,447	992	959	937
North Dakota	NA	1,976	1,746	1,027	211	186	170
Ohio	294,385	44,504	39,632	16,770	4,990	4,620	4,674
Oklahoma	66,143	11,620	8,731	1,827	1,173	1,101	1,046
Oregon	42,767	7,270	5,406	2,648	1,238	900	948
Pennsylvania	253,132	38,049	30,868	12,525	4,405	4,135	4,179
Rhode Island	19,804	2,982	2,370	1,233	364	379	372
South Carolina	31,634	6,016	4,076	925	488	497	476
South Dakota	NA	2,106	1,503	923	210	192	205
Tennessee	R73,422	13,105	8,527	2,018	R1,110	R914	R1,085
Texas	NA	35,193	22,391	7,811	4,974	4,833	4,693
Utah	68,310	12,307	9,025	4,602	1,668	1,574	1,616
Vermont	3,933	570	420	175	84	72	80
Virginia	NA	14,102	8,730	3,401	1,636	1,519	1,674
Washington	83,000	13,065	9,984	6,078	2,605	1,567	2,002
West Virginia	NA	4,043	3,158	1,321	350	299	332
Wisconsin	142,766	20,150	18,426	8,674	2,914	2,309	2,297
Wyoming	14,604	2,685	1,712	953	282	226	241
<b>Total</b>	<b>R4,973,983</b>	<b>762,819</b>	<b>595,468</b>	<b>254,554</b>	<b>R112,072</b>	<b>R99,325</b>	<b>R105,470</b>

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	732	1,127	2,525	3,762	3,781	9,635	26,430
Alaska	672	1,031	1,481	2,217	2,618	2,705	20,247
Arizona	1,326	1,729	2,402	4,675	5,213	5,801	32,821
Arkansas	626	931	2,509	4,139	4,958	7,731	25,704
California	22,008	27,006	32,336	53,606	55,061	58,044	431,005
Colorado	2,738	5,767	10,144	14,335	20,333	22,095	118,582
Connecticut	1,325	1,965	5,285	7,422	6,900	10,580	48,431
Delaware	185	345	1,091	1,944	1,533	NA	9,896
District of Columbia	253	358	943	1,830	1,720	2,532	11,904
Florida	984	1,146	1,564	1,732	2,038	3,084	14,934
Georgia	3,984	4,710	8,852	15,677	12,223	30,637	111,248
Hawaii	50	49	52	52	51	58	572
Idaho	656	801	1,876	3,174	4,018	4,191	28,799
Illinois	8,923	12,347	43,614	54,873	64,644	84,051	377,511
Indiana	2,006	3,676	13,606	19,900	19,981	29,508	123,847
Iowa	1,157	1,788	6,942	8,491	11,176	13,877	60,362
Kansas	1,371	1,739	6,017	7,368	11,405	13,921	54,445
Kentucky	755	1,214	4,207	6,877	6,626	12,026	43,253
Louisiana	1,245	1,579	2,436	3,112	4,179	10,485	29,060
Maine	74	114	271	386	403	581	2,748
Maryland	1,870	NA	7,407	13,780	11,424	17,860	75,789
Massachusetts	2,830	4,480	12,311	18,621	21,038	25,513	121,181
Michigan	5,752	9,052	34,058	46,850	45,396	62,334	299,158
Minnesota	2,930	NA	13,499	17,200	23,096	26,700	123,898
Mississippi	498	680	1,573	2,284	2,613	7,110	18,446
Missouri	1,787	2,294	10,125	13,547	16,785	24,661	86,865
Montana	550	854	1,861	NA	3,510	3,568	21,481
Nebraska	791	1,546	4,220	5,060	7,121	8,255	34,069
Nevada	1,583	1,967	2,839	5,622	6,015	6,537	40,911
New Hampshire	172	227	731	1,089	998	1,557	7,331
New Jersey	5,911	7,617	22,887	36,896	30,408	49,292	221,608
New Mexico	809	1,130	2,088	4,537	4,758	6,414	29,993
New York	12,261	18,783	47,627	67,187	63,551	89,778	432,451
North Carolina	1,152	1,326	4,561	11,140	7,984	19,084	59,933
North Dakota	255	650	1,340	NA	2,132	2,285	11,015
Ohio	4,586	5,877	29,426	42,110	38,429	58,768	258,699
Oklahoma	1,145	1,663	5,430	6,380	11,560	14,467	51,069
Oregon	1,303	1,523	3,495	5,426	6,356	6,253	47,841
Pennsylvania	4,554	6,551	23,138	38,942	33,318	52,469	218,719
Rhode Island	413	459	1,888	2,925	2,433	3,986	18,421
South Carolina	503	727	1,928	3,931	3,278	8,789	24,558
South Dakota	247	617	1,415	NA	2,254	2,552	12,146
Tennessee	R1,194	R2,176	R5,976	8,263	R9,597	19,458	56,661
Texas	5,206	7,939	12,998	23,771	33,600	NA	164,140
Utah	2,057	2,342	4,522	9,459	8,505	10,634	66,700
Vermont	109	179	423	516	561	744	3,509
Virginia	1,562	2,274	6,645	13,630	11,173	NA	76,904
Washington	2,424	2,812	7,275	11,037	11,997	12,154	91,028
West Virginia	388	NA	2,457	4,273	3,671	5,563	22,385
Wisconsin	2,626	3,977	14,904	18,237	22,356	25,896	131,018
Wyoming	352	672	1,365	1,904	2,064	2,150	12,553
<b>Total</b>	<b>R118,892</b>	<b>R167,909</b>	<b>R438,565</b>	<b>656,263</b>	<b>R686,844</b>	<b>975,802</b>	<b>4,412,282</b>

See footnotes at end of table.



Table 14. Natural gas deliveries to residential consumers, by state, 2017-2019

(million cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	6,211	2,650	1,193	741	656	679	716
Alaska	2,525	2,613	1,579	892	601	551	656
Arizona	4,272	2,133	1,502	1,145	1,011	1,101	1,324
Arkansas	5,713	2,542	931	586	553	570	621
California	62,531	33,949	23,669	17,774	18,026	19,092	20,885
Colorado	21,054	12,514	8,690	3,557	2,841	2,657	2,955
Connecticut	8,288	4,790	1,430	1,091	1,025	1,075	1,380
Delaware	2,007	953	249	172	158	151	207
District of Columbia	2,383	934	410	299	287	293	340
Florida	1,816	1,226	924	823	751	778	880
Georgia	22,315	12,094	6,722	4,105	4,049	3,940	4,108
Hawaii	50	47	43	44	42	43	49
Idaho	5,273	3,069	2,147	836	530	518	599
Illinois	69,482	44,367	17,811	8,054	8,084	8,664	9,174
Indiana	26,461	14,435	5,553	2,498	2,016	2,096	2,415
Iowa	11,284	6,654	2,952	1,127	1,105	1,028	1,276
Kansas	10,772	6,674	2,239	1,166	1,063	1,009	1,228
Kentucky	9,945	5,305	2,019	975	784	719	777
Louisiana	6,251	2,659	1,536	1,221	1,207	1,231	1,287
Maine	520	264	85	58	54	52	76
Maryland	15,141	8,718	2,426	1,732	1,326	1,651	1,789
Massachusetts	22,904	12,151	4,115	2,694	2,497	2,608	3,299
Michigan	58,028	37,037	14,512	7,041	5,408	5,123	6,056
Minnesota	22,061	15,032	6,526	2,556	2,510	2,276	2,997
Mississippi	4,142	1,988	882	622	553	518	526
Missouri	19,244	10,363	2,311	1,794	1,678	1,597	1,904
Montana	3,627	2,535	1,587	637	349	343	474
Nebraska	5,967	3,973	1,404	619	434	673	857
Nevada	6,316	2,973	2,035	1,476	1,153	1,310	1,600
New Hampshire	1,428	787	257	155	158	137	176
New Jersey	43,095	21,617	8,807	4,338	4,288	4,857	6,185
New Mexico	5,444	2,871	1,517	866	818	839	951
New York	75,715	42,655	15,453	10,954	10,216	10,730	13,856
North Carolina	14,460	8,039	2,110	1,096	993	1,135	1,039
North Dakota	1,938	1,388	669	235	177	155	190
Ohio	53,080	30,997	12,214	5,675	5,045	4,714	5,339
Oklahoma	11,996	4,925	1,511	1,260	1,298	1,172	1,300
Oregon	8,213	5,325	3,149	1,191	778	866	1,330
Pennsylvania	42,298	22,852	7,875	4,601	3,878	4,196	5,099
Rhode Island	3,485	2,051	628	386	407	414	462
South Carolina	5,845	2,976	835	541	482	559	526
South Dakota	2,176	1,283	684	244	221	195	265
Tennessee	14,083	6,831	1,899	1,253	983	1,008	1,168
Texas	25,645	13,224	7,772	5,888	5,438	6,003	5,823
Utah	13,023	6,973	4,527	1,821	1,471	1,680	2,227
Vermont	587	301	111	87	78	82	131
Virginia	16,077	8,094	2,857	1,690	1,587	1,657	1,797
Washington	14,960	10,582	6,464	2,441	1,749	1,802	2,226
West Virginia	4,473	2,611	1,014	485	304	356	325
Wisconsin	25,210	15,334	6,281	2,739	2,503	2,306	2,795
Wyoming	1,801	1,281	951	266	212	211	372
<b>Total</b>	<b>821,617</b>	<b>467,638</b>	<b>205,068</b>	<b>114,548</b>	<b>103,832</b>	<b>107,423</b>	<b>124,038</b>

See footnotes at end of table.



**Table 14. Natural gas deliveries to residential consumers, by state, 2017-2019**  
(million cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	928	1,366	3,187	3,240	4,864
Alaska	983	1,472	2,666	2,521	3,189
Arizona	1,781	2,358	3,702	5,836	6,656
Arkansas	952	1,168	2,951	3,376	5,740
California	27,252	29,707	40,608	53,982	83,530
Colorado	6,264	8,839	11,822	14,666	22,721
Connecticut	2,231	3,529	7,844	7,199	8,549
Delaware	350	612	1,689	1,397	1,951
District of Columbia	518	616	1,796	1,679	2,348
Florida	1,060	1,392	1,600	1,725	1,958
Georgia	4,938	5,707	12,818	12,389	18,065
Hawaii	44	49	52	52	58
Idaho	1,114	2,016	2,669	3,829	6,199
Illinois	16,968	23,288	52,091	47,489	72,039
Indiana	5,288	7,075	17,157	15,348	23,505
Iowa	2,437	4,047	8,061	8,381	12,010
Kansas	1,776	3,063	6,451	6,663	12,341
Kentucky	1,188	2,032	5,648	5,597	8,265
Louisiana	1,429	1,705	2,699	2,906	4,928
Maine	135	235	426	395	447
Maryland	2,993	3,402	11,443	11,029	14,139
Massachusetts	5,950	8,696	20,221	16,531	19,515
Michigan	13,698	18,830	42,976	38,428	52,022
Minnesota	5,044	8,308	16,657	16,507	23,423
Mississippi	728	807	2,153	2,110	3,417
Missouri	3,319	4,432	10,298	10,986	18,940
Montana	902	1,608	2,231	2,978	4,211
Nebraska	1,512	2,231	4,156	4,681	7,563
Nevada	2,022	2,794	4,396	6,256	8,578
New Hampshire	338	478	1,184	999	1,235
New Jersey	9,355	14,797	34,080	30,427	39,764
New Mexico	1,409	2,085	2,973	4,196	6,024
New York	20,615	30,903	68,055	60,346	72,953
North Carolina	1,514	2,309	8,165	7,129	11,944
North Dakota	347	737	1,475	1,577	2,126
Ohio	9,994	13,998	37,454	33,242	46,946
Oklahoma	1,878	2,737	4,756	6,446	11,789
Oregon	2,147	3,766	5,136	6,406	9,534
Pennsylvania	9,495	13,739	33,755	30,971	39,961
Rhode Island	798	1,192	3,126	2,513	2,961
South Carolina	657	1,177	3,265	2,916	4,779
South Dakota	482	905	1,538	1,668	2,485
Tennessee	1,721	2,363	6,888	7,217	11,248
Texas	7,749	9,413	16,020	22,128	39,036
Utah	2,890	4,976	5,704	7,427	13,980
Vermont	187	311	570	507	556
Virginia	2,501	3,795	11,067	10,403	15,380
Washington	4,046	7,034	10,426	12,453	16,844
West Virginia	758	1,371	3,489	3,117	4,081
Wisconsin	5,967	8,439	18,653	17,252	23,539
Wyoming	796	1,001	1,520	1,797	2,344
<b>Total</b>	<b>199,451</b>	<b>278,910</b>	<b>579,768</b>	<b>579,313</b>	<b>830,679</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, 2017-2019

(million cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	11,303	12,395	8,576	1,486	2,756	2,266	4,795
Alaska	NA	6,895	7,403	NA	NA	NA	NA
Arizona	16,096	NA	12,901	2,876	3,865	4,465	4,891
Arkansas	NA	23,730	18,691	4,046	NA	6,099	7,398
California	99,601	93,596	89,601	17,642	23,741	30,700	27,518
Colorado	31,306	28,092	24,905	4,517	8,401	8,678	9,710
Connecticut	27,708	27,480	24,680	4,187	7,090	7,479	8,951
Delaware	7,208	NA	5,832	915	1,886	1,932	2,475
District of Columbia	7,511	NA	6,654	992	1,923	2,155	2,440
Florida	23,310	23,750	22,450	5,267	5,716	5,737	6,590
Georgia	25,885	26,843	20,692	3,342	6,296	6,277	9,969
Hawaii	883	877	839	221	216	210	237
Idaho	9,133	8,371	9,375	1,310	2,162	2,736	2,925
Illinois	124,877	123,856	99,295	18,502	31,313	34,519	40,543
Indiana	45,938	45,295	34,757	5,289	11,738	12,752	16,158
Iowa	29,101	28,667	23,407	3,742	7,150	8,532	9,677
Kansas	19,101	19,317	15,237	1,904	4,683	6,193	6,321
Kentucky	18,864	20,017	14,740	1,932	4,874	5,222	6,836
Louisiana	13,020	12,337	10,099	2,381	3,209	2,903	4,527
Maine	5,131	4,799	4,440	809	1,250	1,434	1,638
Maryland	34,423	36,121	32,320	4,540	9,289	9,120	11,473
Massachusetts	58,938	60,240	52,394	8,788	14,234	16,250	19,666
Michigan	98,273	98,149	79,854	14,792	25,363	27,868	30,249
Minnesota	60,383	60,201	49,606	9,080	14,738	18,121	18,443
Mississippi	9,049	9,041	6,841	1,218	2,188	2,393	3,251
Missouri	35,404	36,470	27,115	4,080	8,696	10,638	11,990
Montana	13,298	12,838	11,310	2,037	3,458	4,280	3,523
Nebraska	17,760	17,432	14,370	2,198	4,409	5,690	5,462
Nevada	15,029	13,519	13,738	2,557	3,701	4,272	4,499
New Hampshire	5,469	5,238	4,614	739	1,326	1,513	1,890
New Jersey	76,306	84,284	70,978	10,678	19,184	21,797	24,647
New Mexico	12,345	11,251	9,962	1,711	2,683	3,496	4,455
New York	154,619	151,888	140,060	23,091	39,447	40,304	51,777
North Carolina	26,157	29,635	21,988	3,346	6,623	6,503	9,684
North Dakota	8,810	NA	6,546	1,146	2,106	2,830	2,729
Ohio	94,942	92,915	73,806	12,345	24,455	25,496	32,647
Oklahoma	24,805	23,905	17,326	2,928	6,144	7,367	8,366
Oregon	15,815	NA	15,759	2,389	3,954	4,974	4,498
Pennsylvania	87,276	88,539	71,614	10,472	21,458	23,395	31,950
Rhode Island	6,798	6,783	5,973	920	1,733	1,844	2,301
South Carolina	10,511	10,985	8,896	1,701	2,630	2,439	3,741
South Dakota	6,966	NA	5,367	975	1,665	2,216	2,111
Tennessee	27,063	NA	20,009	3,151	6,758	6,602	10,551
Texas	87,325	82,792	66,989	16,018	21,211	24,436	25,660
Utah	21,324	19,911	18,979	2,509	5,162	6,444	7,209
Vermont	3,331	3,084	2,642	492	811	900	1,129
Virginia	34,783	NA	29,560	4,461	8,603	9,468	12,251
Washington	27,752	26,278	28,263	4,526	6,741	8,563	7,922
West Virginia	11,269	12,188	9,916	1,629	3,040	2,890	3,710
Wisconsin	52,180	51,608	43,834	7,701	12,959	14,661	16,860
Wyoming	7,068	7,810	7,103	1,255	1,849	2,023	1,940
<b>Total</b>	<b>1,692,214</b>	<b>1,680,668</b>	<b>1,422,305</b>	<b>246,059</b>	<b>422,629</b>	<b>471,223</b>	<b>552,303</b>

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						
	Total	December	November	October	September	August	July
Alabama	27,209	3,743	3,610	1,748	1,096	1,189	1,134
Alaska	NA	NA	1,503	988	633	556	436
Arizona	NA	4,424	3,363	2,385	2,006	2,073	2,128
Arkansas	54,112	6,406	5,530	3,999	2,957	2,994	2,754
California	248,307	28,661	23,120	20,397	16,883	16,418	15,526
Colorado	57,793	9,582	6,748	4,034	1,704	1,676	1,547
Connecticut	58,655	7,377	6,390	4,237	2,698	2,792	2,594
Delaware	NA	2,004	NA	1,239	786	776	697
District of Columbia	NA	1,964	1,733	1,239	654	857	727
Florida	63,260	6,166	5,180	4,639	4,630	4,487	4,537
Georgia	56,285	8,446	6,882	3,113	2,105	2,162	2,153
Hawaii	2,602	217	212	220	205	226	223
Idaho	18,860	2,880	2,183	1,479	925	765	705
Illinois	242,293	30,946	26,594	15,989	8,860	8,663	8,614
Indiana	86,031	11,711	10,292	5,996	2,823	2,313	2,295
Iowa	55,779	7,374	6,661	3,883	1,764	1,720	1,620
Kansas	41,287	5,869	4,415	2,832	1,802	1,881	1,678
Kentucky	37,923	5,103	4,708	2,419	1,214	1,083	1,020
Louisiana	32,448	3,639	3,857	2,610	2,195	2,029	1,890
Maine	NA	1,379	1,177	678	327	NA	NA
Maryland	NA	9,219	8,075	6,085	3,534	3,654	3,416
Massachusetts	116,485	15,213	14,072	6,729	4,353	4,020	3,633
Michigan	185,911	25,933	20,117	11,323	5,047	5,936	5,325
Minnesota	112,006	15,185	12,151	7,490	3,309	2,869	2,892
Mississippi	19,782	2,591	2,327	1,361	872	942	859
Missouri	68,931	9,406	7,848	3,962	2,284	2,136	2,083
Montana	25,695	3,459	2,760	1,818	1,144	907	731
Nebraska	34,633	4,634	3,785	2,226	1,238	1,124	1,255
Nevada	32,467	4,126	3,161	2,268	1,856	1,717	1,723
New Hampshire	9,702	1,495	1,260	432	278	238	213
New Jersey	160,474	21,505	15,957	8,425	5,437	5,952	6,036
New Mexico	NA	NA	3,568	2,233	1,069	1,163	847
New York	325,099	39,678	36,464	23,058	15,264	14,844	14,812
North Carolina	59,412	7,706	6,840	4,052	2,379	2,190	2,149
North Dakota	NA	2,224	2,006	1,217	369	343	311
Ohio	174,256	23,821	21,310	11,423	5,183	5,065	4,709
Oklahoma	46,914	7,063	5,386	2,487	1,612	1,581	1,465
Oregon	NA	4,427	3,255	1,970	1,187	1,000	976
Pennsylvania	166,747	22,183	18,836	11,110	5,447	5,213	4,920
Rhode Island	12,252	1,832	1,416	783	298	276	281
South Carolina	25,308	2,910	2,925	1,918	1,219	1,290	1,259
South Dakota	NA	1,812	1,410	860	334	295	299
Tennessee	NA	8,117	6,675	3,514	2,271	2,063	2,241
Texas	186,550	21,919	19,242	12,074	10,369	10,022	8,963
Utah	NA	7,086	5,224	3,052	1,356	1,222	1,284
Vermont	7,283	984	890	620	388	360	349
Virginia	NA	9,357	7,070	5,385	3,286	3,250	3,407
Washington	56,728	7,634	6,009	4,230	2,567	2,294	2,162
West Virginia	24,832	3,096	2,737	1,619	995	1,052	989
Wisconsin	98,482	13,186	11,636	6,388	3,161	2,842	2,852
Wyoming	15,339	2,352	1,584	951	444	381	411
<b>Total</b>	<b>2,476,281</b>	<b>454,953</b>	<b>381,851</b>	<b>235,183</b>	<b>144,817</b>	<b>141,176</b>	<b>135,406</b>

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	1,126	1,168	1,946	2,874	2,238	5,337	22,790
Alaska	590	816	1,192	1,731	1,959	2,012	15,544
Arizona	NA	NA	NA	NA	NA	NA	31,212
Arkansas	2,740	3,002	4,298	5,509	6,018	7,906	47,501
California	16,161	17,545	18,752	25,318	24,191	25,335	237,360
Colorado	1,712	2,697	4,486	6,143	8,368	9,096	52,739
Connecticut	2,452	2,635	5,299	6,834	6,535	8,812	52,513
Delaware	693	700	1,224	NA	1,721	NA	13,364
District of Columbia	824	642	1,195	1,894	1,759	NA	16,040
Florida	4,840	5,031	5,394	5,942	5,452	6,961	61,313
Georgia	2,142	2,438	3,966	6,379	5,094	11,403	49,193
Hawaii	212	209	216	214	203	243	2,446
Idaho	753	799	1,304	2,058	2,417	2,592	19,777
Illinois	8,506	10,265	23,102	28,329	32,997	39,428	215,936
Indiana	2,217	3,089	7,537	10,808	11,022	15,928	75,312
Iowa	1,846	2,244	5,094	6,280	7,778	9,516	49,710
Kansas	1,714	1,779	3,614	3,885	5,416	6,403	34,483
Kentucky	1,012	1,347	3,000	4,647	4,620	7,751	32,796
Louisiana	1,885	2,006	2,472	2,762	2,460	4,643	28,316
Maine	328	418	843	1,170	1,183	1,603	8,925
Maryland	3,937	NA	6,514	9,836	8,352	11,420	72,279
Massachusetts	3,964	4,262	10,187	14,962	16,673	18,417	109,470
Michigan	5,435	8,645	18,479	24,178	24,556	30,937	162,634
Minnesota	3,219	4,689	10,913	13,400	17,365	18,524	99,756
Mississippi	864	925	1,396	1,805	1,861	3,978	17,643
Missouri	2,137	2,605	6,133	8,054	9,882	12,402	57,903
Montana	824	1,215	2,301	3,266	3,671	3,600	23,374
Nebraska	1,251	1,689	3,199	3,760	4,999	5,474	29,018
Nevada	1,899	2,198	2,569	3,595	3,593	3,762	32,200
New Hampshire	256	291	858	1,312	1,216	1,853	9,078
New Jersey	6,060	6,819	16,093	21,624	19,869	26,697	148,948
New Mexico	1,057	1,215	1,486	2,934	2,778	4,053	23,624
New York	14,359	14,732	28,745	38,731	36,591	47,822	310,211
North Carolina	2,069	2,391	4,746	8,010	5,992	10,887	53,726
North Dakota	394	NA	1,505	NA	2,273	2,223	12,957
Ohio	5,007	4,823	16,057	23,485	21,655	31,718	156,979
Oklahoma	1,582	1,832	3,724	4,474	7,183	8,523	37,834
Oregon	1,264	1,370	2,389	3,507	NA	3,982	31,763
Pennsylvania	5,133	5,367	14,353	24,385	20,019	29,783	145,910
Rhode Island	280	303	1,142	1,818	1,522	2,301	11,338
South Carolina	1,330	1,472	1,734	3,033	2,262	3,955	22,923
South Dakota	345	NA	1,232	NA	1,865	2,017	10,813
Tennessee	R2,412	R2,604	R4,592	NA	R6,275	11,305	49,042
Texas	9,446	11,724	13,691	19,350	21,089	28,663	164,797
Utah	1,483	NA	2,899	5,701	5,142	6,169	41,264
Vermont	349	259	617	775	703	988	6,205
Virginia	2,969	3,226	5,362	10,119	7,796	NA	68,162
Washington	2,708	2,847	4,556	7,057	7,207	7,457	60,096
West Virginia	1,035	1,121	2,204	3,234	2,828	3,923	22,421
Wisconsin	2,879	3,930	9,736	11,510	13,839	16,523	90,470
Wyoming	534	872	1,497	2,032	2,087	2,195	13,972
<b>Total</b>	<b>R140,413</b>	<b>R161,814</b>	<b>R298,537</b>	<b>414,033</b>	<b>R420,103</b>	<b>547,995</b>	<b>3,164,078</b>

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2017-2019

(million cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	3,908	2,589	1,985	1,232	1,107	1,047	1,074
Alaska	1,977	1,831	1,189	709	550	500	530
Arizona	3,684	2,552	2,167	1,916	1,874	1,864	1,968
Arkansas	6,407	4,356	3,686	2,919	2,899	2,706	2,749
California	28,185	21,739	19,392	16,064	16,197	15,166	14,780
Colorado	8,626	5,385	3,780	1,881	1,714	1,639	1,741
Connecticut	7,412	5,236	2,796	2,489	2,419	2,437	2,313
Delaware	2,226	1,464	836	652	573	499	561
District of Columbia	2,671	1,383	1,001	815	825	835	847
Florida	6,030	5,267	4,855	4,393	4,398	4,394	4,646
Georgia	8,539	5,224	3,324	2,231	2,211	2,164	2,215
Hawaii	203	204	200	198	202	194	214
Idaho	2,925	1,924	1,494	943	732	704	719
Illinois	35,932	22,257	13,695	8,818	8,054	7,691	7,562
Indiana	13,712	8,404	4,996	2,765	2,390	2,231	2,437
Iowa	7,870	5,820	3,597	1,803	1,580	1,598	1,753
Kansas	5,286	3,308	2,314	1,683	1,743	1,578	1,565
Kentucky	6,258	3,761	2,045	1,378	1,136	1,042	1,100
Louisiana	3,929	2,647	2,199	1,795	1,907	1,790	1,925
Maine	1,518	939	382	299	290	289	306
Maryland	11,519	7,306	3,850	3,237	3,264	3,541	3,025
Massachusetts	17,939	11,692	5,467	4,243	4,076	3,832	3,968
Michigan	26,445	16,897	8,273	5,952	5,409	5,045	5,966
Minnesota	16,759	11,138	5,491	3,066	2,867	2,860	3,117
Mississippi	2,697	1,758	1,460	1,011	979	893	903
Missouri	10,275	5,864	2,812	2,361	2,290	2,089	2,248
Montana	3,524	2,643	1,683	1,010	685	670	753
Nebraska	4,384	3,033	1,689	1,006	807	1,037	1,192
Nevada	4,043	2,658	2,300	1,902	1,704	1,758	1,908
New Hampshire	1,685	1,034	388	244	256	192	239
New Jersey	24,082	13,261	8,960	6,624	4,874	5,572	6,462
New Mexico	3,967	2,294	1,845	1,131	1,120	1,048	997
New York	45,947	31,356	16,690	14,701	14,852	14,113	14,499
North Carolina	8,507	5,821	3,906	2,763	2,709	2,628	2,394
North Dakota	2,013	1,594	875	461	352	307	320
Ohio	28,898	17,574	9,170	5,506	5,112	4,685	5,040
Oklahoma	6,832	3,547	2,110	1,581	1,566	1,449	1,551
Oregon	4,918	3,172	2,158	1,147	851	890	1,195
Pennsylvania	22,264	17,272	7,825	4,993	4,725	4,818	5,072
Rhode Island	2,161	1,154	447	252	256	262	297
South Carolina	3,089	2,362	1,783	1,314	1,301	1,393	1,273
South Dakota	1,755	1,180	705	367	308	302	341
Tennessee	8,865	5,610	3,317	2,387	2,120	2,051	2,123
Texas	19,301	13,913	12,127	10,270	10,389	10,427	10,176
Utah	7,489	4,406	2,792	1,435	1,197	1,281	1,727
Vermont	932	752	401	342	317	292	194
Virginia	10,474	6,914	4,272	3,449	3,280	3,354	2,985
Washington	8,465	6,198	4,296	2,513	2,171	2,222	2,464
West Virginia	3,529	2,283	1,387	1,080	1,021	968	1,018
Wisconsin	14,817	10,017	5,179	3,025	3,147	2,883	3,068
Wyoming	1,818	1,320	1,021	443	401	408	519
<b>Total</b>	<b>486,690</b>	<b>322,309</b>	<b>200,614</b>	<b>144,797</b>	<b>137,208</b>	<b>133,637</b>	<b>138,042</b>

See footnotes at end of table.

**Table 15. Natural gas deliveries to commercial consumers, by state, 2017-2019**  
(million cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	1,273	1,204	2,288	2,075	3,009
Alaska	855	1,153	2,052	1,857	2,342
Arizona	2,287	2,538	2,946	3,408	4,008
Arkansas	3,088	3,108	4,498	4,630	6,454
California	16,236	17,263	19,968	22,408	29,963
Colorado	3,068	4,041	5,210	6,209	9,446
Connecticut	2,732	3,818	7,026	6,332	7,504
Delaware	721	751	1,693	1,504	1,885
District of Columbia	1,009	1,088	1,826	1,613	2,127
Florida	4,880	5,290	5,716	5,344	6,099
Georgia	2,593	2,817	5,420	5,191	7,263
Hawaii	192	201	211	200	226
Idaho	959	1,350	1,765	2,492	3,769
Illinois	12,632	13,522	25,919	24,486	35,368
Indiana	3,621	4,419	9,268	8,353	12,716
Iowa	2,283	3,277	5,799	6,003	8,329
Kansas	1,770	2,536	3,442	3,454	5,805
Kentucky	1,337	1,660	3,883	3,815	5,382
Louisiana	2,024	2,057	2,588	2,287	3,168
Maine	462	695	1,291	1,150	1,304
Maryland	4,215	4,284	9,628	8,036	10,372
Massachusetts	5,859	7,397	16,154	13,289	15,554
Michigan	8,793	11,198	21,859	20,749	26,049
Minnesota	4,853	7,465	12,305	12,893	16,943
Mississippi	1,101	987	1,776	1,704	2,374
Missouri	2,850	3,317	6,534	6,673	10,591
Montana	1,095	1,711	2,475	3,028	4,096
Nebraska	1,500	2,067	3,233	3,688	5,382
Nevada	2,189	2,596	3,089	3,525	4,528
New Hampshire	425	564	1,439	1,165	1,446
New Jersey	8,134	9,270	20,983	18,252	22,474
New Mexico	1,259	1,696	1,932	2,446	3,888
New York	17,995	21,285	40,877	36,302	41,596
North Carolina	3,008	2,997	6,205	5,153	7,633
North Dakota	489	892	1,644	1,703	2,307
Ohio	7,188	8,459	20,894	18,787	25,666
Oklahoma	1,872	2,355	3,479	4,396	7,097
Oregon	1,674	2,466	3,318	4,110	5,864
Pennsylvania	7,328	9,184	20,573	18,873	22,984
Rhode Island	536	749	1,883	1,501	1,840
South Carolina	1,513	1,488	2,489	2,105	2,814
South Dakota	488	756	1,294	1,344	1,973
Tennessee	2,559	2,506	5,230	5,140	7,133
Texas	11,204	12,125	14,586	16,435	23,843
Utah	1,958	3,171	3,419	4,609	7,780
Vermont	332	375	774	678	814
Virginia	3,875	4,071	8,574	7,248	9,667
Washington	3,505	4,786	6,434	7,492	9,551
West Virginia	1,219	1,558	2,754	2,535	3,069
Wisconsin	4,498	6,319	11,248	10,879	15,389
Wyoming	938	1,098	1,714	1,885	2,406
<b>Total</b>	<b>178,475</b>	<b>211,980</b>	<b>371,604</b>	<b>359,433</b>	<b>479,288</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, 2017-2019

(million cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	72,389	69,178	66,626	16,691	18,483	17,180	20,035
Alaska	2,191	1,851	1,846	414	577	555	646
Arizona	7,555	7,154	7,180	1,609	1,748	1,987	2,212
Arkansas	37,399	NA	34,201	8,615	9,620	8,988	10,176
California	238,025	244,844	244,470	57,521	61,442	55,601	63,461
Colorado	35,659	34,675	33,074	6,829	9,034	9,580	10,216
Connecticut	9,193	9,540	9,342	1,801	2,263	2,357	2,772
Delaware	13,326	NA	9,735	2,788	3,261	3,264	4,014
District of Columbia	0	0	0	0	0	0	0
Florida	NA	36,881	35,716	NA	NA	9,237	10,811
Georgia	53,597	53,135	51,154	12,565	13,838	12,445	14,748
Hawaii	29	30	29	8	7	7	8
Idaho <sup>a</sup>	13,491	12,440	13,167	2,820	3,378	3,434	3,859
Illinois	101,987	98,600	93,888	20,339	25,523	25,626	30,499
Indiana	157,423	NA	135,357	36,327	41,289	37,213	42,595
Iowa	86,940	86,733	82,073	19,742	22,277	21,850	23,071
Kansas	NA	46,193	41,362	NA	10,932	12,137	12,903
Kentucky	44,663	44,600	40,742	9,719	11,840	10,429	12,674
Louisiana	386,101	NA	355,587	95,452	96,524	93,250	100,875
Maine	7,722	6,708	6,382	1,744	1,964	1,907	2,107
Maryland	6,054	NA	5,347	1,453	1,549	1,384	1,669
Massachusetts	22,052	21,609	20,796	4,351	5,379	6,194	6,129
Michigan	72,034	NA	65,122	14,811	19,109	17,356	20,758
Minnesota	61,441	60,350	59,874	13,849	15,138	15,714	16,741
Mississippi	44,665	46,631	42,901	11,605	11,561	10,261	11,239
Missouri	24,971	25,505	23,354	4,942	5,997	6,627	7,404
Montana	7,869	8,444	6,838	1,732	1,900	2,084	2,153
Nebraska	27,867	29,842	30,679	6,247	6,577	7,272	7,771
Nevada	NA	6,994	6,537	1,604	1,736	NA	1,679
New Hampshire	3,741	3,805	3,566	877	962	960	942
New Jersey	15,588	NA	20,109	3,039	4,298	4,095	4,156
New Mexico	6,330	5,740	5,057	1,518	1,689	1,530	1,593
New York	35,741	35,524	30,620	7,417	9,072	9,344	9,908
North Carolina	44,208	NA	36,209	9,812	11,719	10,511	12,166
North Dakota	12,388	11,985	11,231	3,112	3,228	2,810	3,238
Ohio	107,611	109,662	103,718	22,527	27,745	26,984	30,355
Oklahoma	71,692	71,879	68,004	17,606	19,136	16,111	18,838
Oregon	19,793	19,441	20,983	4,747	5,009	4,828	5,210
Pennsylvania	NA	84,110	78,499	18,646	NA	NA	NA
Rhode Island	3,240	3,221	3,112	763	794	848	835
South Carolina	33,992	NA	30,703	7,893	8,900	8,285	8,914
South Dakota	16,292	NA	15,691	3,668	4,061	4,311	4,253
Tennessee	54,542	NA	46,949	12,232	13,900	13,467	14,943
Texas	589,193	587,890	550,222	139,263	149,067	141,675	159,188
Utah	15,120	14,544	14,458	3,624	3,515	4,008	3,974
Vermont	NA	841	800	197	233	229	NA
Virginia	NA	32,104	32,536	7,799	NA	8,911	8,394
Washington	27,286	NA	28,323	6,186	7,076	6,754	7,271
West Virginia	NA	12,124	13,088	2,890	NA	3,105	3,449
Wisconsin	66,472	65,342	57,557	14,563	17,135	16,850	17,924
Wyoming	NA	22,627	19,246	NA	5,102	5,583	6,814
<b>Total</b>	<b>2,909,197</b>	<b>2,873,737</b>	<b>2,714,061</b>	<b>667,363</b>	<b>740,796</b>	<b>710,003</b>	<b>791,035</b>

See footnotes at end of table.



Table 16. Natural gas deliveries to industrial consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						
	Total	December	November	October	September	August	July
Alabama	204,912	19,164	18,564	17,466	15,830	16,032	16,027
Alaska	5,639	594	609	495	508	412	415
Arizona	20,156	2,042	1,900	1,677	1,417	1,503	1,427
Arkansas	NA	9,948	10,033	9,049	8,243	8,613	7,861
California	761,086	63,880	61,063	62,404	67,764	69,997	66,120
Colorado	88,809	9,840	8,869	7,379	5,697	5,466	5,394
Connecticut	24,853	2,433	2,246	1,947	1,767	1,824	1,785
Delaware	NA	3,135	NA	2,796	2,149	2,218	NA
District of Columbia	0	0	0	0	0	0	0
Florida	108,984	10,355	9,559	8,978	8,627	8,884	8,589
Georgia	158,301	14,347	14,099	12,920	12,205	13,172	12,767
Hawaii	90	7	7	8	7	8	8
Idaho*	34,800	3,562	3,477	3,351	2,652	2,332	2,285
Illinois	263,012	26,043	26,066	22,978	18,707	18,341	17,863
Indiana	NA	39,877	37,604	NA	29,188	31,836	33,565
Iowa	249,869	21,781	22,747	21,473	19,143	20,360	19,906
Kansas	129,468	12,031	11,309	9,098	9,054	10,328	11,250
Kentucky	117,081	11,380	11,009	9,302	7,896	8,300	8,112
Louisiana	NA	97,645	93,510	92,332	93,857	94,130	94,629
Maine	19,189	1,993	1,847	1,801	1,596	1,457	1,448
Maryland	NA	1,855	1,951	1,431	1,249	1,275	1,352
Massachusetts	48,248	5,246	4,097	3,623	2,537	2,548	2,551
Michigan	NA	17,943	17,891	14,884	11,953	11,431	11,267
Minnesota	160,133	16,384	15,353	11,824	10,824	11,144	11,401
Mississippi	135,699	11,300	11,492	11,127	10,884	11,087	10,490
Missouri	65,989	6,492	6,581	5,335	4,427	4,628	4,372
Montana	25,211	2,234	2,257	2,166	2,047	2,011	2,121
Nebraska	87,294	7,495	7,981	7,801	6,888	6,611	7,441
Nevada	20,149	1,693	1,579	1,624	1,640	1,738	1,828
New Hampshire	9,886	904	873	778	694	679	686
New Jersey	NA	NA	NA	NA	NA	3,431	3,584
New Mexico	17,385	1,191	1,583	1,558	1,421	1,414	1,424
New York	NA	8,754	8,854	7,804	6,247	6,342	6,275
North Carolina	NA	11,103	10,805	9,903	8,026	9,102	8,717
North Dakota	35,609	3,473	2,871	3,240	3,024	2,887	2,861
Ohio	285,034	27,712	24,681	21,740	19,856	19,587	19,531
Oklahoma	208,738	18,111	17,389	18,371	17,297	16,622	15,301
Oregon	54,079	4,738	4,595	4,621	4,150	4,059	3,986
Pennsylvania	229,992	21,817	20,283	18,660	16,554	17,134	17,002
Rhode Island	8,817	803	771	659	692	656	623
South Carolina	NA	8,810	8,955	8,452	6,986	7,707	7,487
South Dakota	NA	4,314	4,191	3,671	3,630	3,637	3,530
Tennessee	NA	13,234	NA	11,940	11,077	11,481	11,173
Texas	1,787,162	159,707	152,185	141,762	146,321	150,647	153,149
Utah	39,772	3,688	3,344	2,895	3,045	2,941	2,941
Vermont	2,284	230	212	195	162	161	154
Virginia	NA	8,519	7,884	7,934	NA	6,586	7,762
Washington	NA	7,019	5,838	7,018	6,470	5,876	5,806
West Virginia	34,594	3,153	3,028	2,959	2,585	2,894	2,840
Wisconsin	166,885	16,606	15,972	13,666	11,038	11,176	10,546
Wyoming	65,759	6,242	6,344	6,012	5,370	5,195	4,555
<b>Total</b>	<b>8,285,836</b>	<b>755,975</b>	<b>726,304</b>	<b>671,454</b>	<b>646,642</b>	<b>657,898</b>	<b>654,616</b>

See footnotes at end of table.



Table 16. Natural gas deliveries to industrial consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	16,033	16,618	16,632	17,536	16,146	18,864	196,686
Alaska	363	392	352	439	525	535	4,156
Arizona	1,454	1,581	1,633	1,788	1,766	1,966	19,250
Arkansas	7,618	8,164	8,862	9,051	8,829	NA	100,251
California	61,794	63,220	60,237	63,615	57,100	63,893	760,661
Colorado	5,332	6,156	7,498	8,209	9,232	9,736	84,914
Connecticut	1,696	1,614	1,905	2,520	2,340	2,776	24,557
Delaware	NA	NA	NA	NA	NA	3,963	29,860
District of Columbia	0	0	0	0	0	0	0
Florida	8,332	8,780	9,002	9,867	7,889	10,123	103,417
Georgia	12,877	12,780	12,864	14,189	11,966	14,116	150,172
Hawaii	8	8	8	7	7	8	85
Idaho <sup>a</sup>	2,244	2,458	2,541	3,270	3,099	3,529	35,856
Illinois	16,728	17,685	21,568	24,356	23,803	28,874	258,841
Indiana	31,796	34,496	34,679	39,247	37,558	NA	379,118
Iowa	18,735	18,991	20,552	22,276	20,873	23,032	241,187
Kansas	9,934	10,272	10,951	11,204	11,183	12,855	127,653
Kentucky	7,834	8,648	9,996	11,328	10,924	12,352	113,582
Louisiana	95,929	96,531	91,519	93,184	90,394	NA	1,096,400
Maine	1,189	1,152	1,468	1,703	1,637	1,900	17,698
Maryland	1,118	1,482	NA	NA	NA	2,093	15,744
Massachusetts	2,881	3,157	4,917	5,288	5,315	6,089	47,004
Michigan	11,666	12,204	15,346	18,246	NA	19,443	170,189
Minnesota	10,875	11,979	13,598	14,896	15,299	16,557	165,901
Mississippi	11,155	11,533	11,955	11,777	10,772	12,126	128,356
Missouri	4,346	4,303	5,545	6,225	6,762	6,973	63,158
Montana	2,044	1,888	1,744	2,099	2,259	2,343	23,393
Nebraska	6,608	6,627	7,514	7,332	7,357	7,640	89,521
Nevada	1,534	1,518	1,646	1,851	1,675	1,823	19,269
New Hampshire	689	779	871	916	999	1,019	9,499
New Jersey	3,459	NA	NA	NA	NA	NA	54,298
New Mexico	1,449	1,603	1,422	1,506	1,314	1,498	15,412
New York	NA	5,842	8,231	8,806	8,834	9,652	82,779
North Carolina	8,773	8,942	9,817	11,028	9,460	NA	107,373
North Dakota	2,761	2,507	3,158	2,898	2,909	3,020	32,127
Ohio	20,453	21,812	24,820	27,130	27,015	30,698	277,767
Oklahoma	16,083	17,685	17,743	18,194	17,483	18,458	199,576
Oregon	4,174	4,314	4,572	5,035	4,610	5,225	57,849
Pennsylvania	16,727	17,706	20,183	21,739	19,444	22,745	219,028
Rhode Island	652	741	809	727	843	842	8,551
South Carolina	7,579	7,779	8,205	NA	7,598	7,463	91,644
South Dakota	3,576	3,591	NA	3,942	4,244	4,267	45,481
Tennessee	11,610	11,132	12,717	12,060	11,933	NA	134,555
Texas	145,163	150,337	147,085	149,515	134,557	156,733	1,681,634
Utah	3,152	3,223	3,449	3,361	3,797	3,937	40,007
Vermont	156	173	193	219	204	224	2,191
Virginia	NA	7,771	7,558	8,194	8,179	8,173	94,098
Washington	5,806	5,935	6,241	NA	7,560	7,651	80,656
West Virginia	2,508	2,502	2,590	2,917	3,082	3,535	38,358
Wisconsin	10,590	11,949	14,827	15,964	16,229	18,322	154,920
Wyoming	4,815	4,599	5,512	5,809	5,504	5,803	54,512
<b>Total</b>	<b>638,919</b>	<b>660,292</b>	<b>686,787</b>	<b>726,891</b>	<b>689,088</b>	<b>770,972</b>	<b>7,949,199</b>

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2017-2019

(million cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	18,546	16,591	15,959	15,361	15,837	15,690	15,792
Alaska	395	305	239	215	241	200	341
Arizona	1,999	1,498	1,573	1,387	1,374	1,331	1,348
Arkansas	9,549	8,536	8,717	7,766	7,936	7,577	7,754
California	66,073	62,097	64,587	67,363	69,045	64,345	60,312
Colorado	9,236	7,830	6,938	5,080	5,415	5,273	5,382
Connecticut	2,604	2,348	1,664	1,665	1,737	1,750	1,691
Delaware	2,511	2,534	2,647	2,927	2,492	2,272	2,424
District of Columbia	0	0	0	0	0	0	0
Florida	9,700	8,977	8,841	7,277	8,360	8,082	7,874
Georgia	13,801	13,207	11,771	10,375	12,475	12,212	12,582
Hawaii	5	7	7	8	8	7	7
Idaho*	3,492	3,326	3,248	2,701	2,259	2,470	2,453
Illinois	28,905	24,949	20,943	18,252	18,199	17,082	17,387
Indiana	39,292	32,914	29,353	29,286	28,791	28,373	27,048
Iowa	23,040	21,394	18,916	18,558	19,383	19,224	19,011
Kansas	12,437	11,451	9,490	10,383	11,177	11,787	10,250
Kentucky	11,385	10,094	9,133	8,186	8,383	7,998	8,470
Louisiana	100,026	95,589	93,604	89,667	93,269	90,756	88,608
Maine	1,892	1,752	1,396	1,291	1,229	1,300	1,200
Maryland	1,549	1,545	1,255	1,205	1,133	1,183	1,294
Massachusetts	5,754	4,138	2,860	2,524	2,521	2,494	2,712
Michigan	19,301	15,375	13,700	11,313	11,794	10,642	10,688
Minnesota	15,419	14,756	12,890	12,342	12,902	12,244	12,617
Mississippi	11,839	11,234	10,449	10,432	10,624	10,028	10,107
Missouri	6,841	5,617	5,105	4,311	4,557	4,367	4,327
Montana	2,756	2,668	2,668	2,088	1,930	1,817	1,470
Nebraska	8,325	7,795	7,870	6,724	7,276	7,653	6,272
Nevada	1,832	1,646	1,737	1,530	1,581	1,454	1,482
New Hampshire	941	818	725	677	658	680	676
New Jersey	4,845	4,086	4,941	3,545	3,830	4,099	4,479
New Mexico	1,486	1,304	1,327	1,215	1,260	1,265	1,221
New York	9,123	8,387	6,613	5,711	5,760	5,605	5,445
North Carolina	10,727	10,190	9,444	8,158	8,420	7,805	8,109
North Dakota	3,244	2,603	2,658	1,797	2,491	2,506	2,749
Ohio	29,055	25,226	21,235	20,375	19,389	19,040	18,629
Oklahoma	17,611	16,344	17,006	16,351	16,119	15,682	15,878
Oregon	5,265	4,791	4,894	4,363	4,270	4,137	4,399
Pennsylvania	21,967	20,038	17,812	16,507	15,614	15,801	15,971
Rhode Island	773	709	641	673	672	644	660
South Carolina	8,265	8,536	8,064	7,059	7,447	6,996	7,138
South Dakota	4,246	3,996	3,530	3,555	3,642	3,589	3,569
Tennessee	12,987	10,700	10,473	10,403	10,891	10,480	10,639
Texas	155,675	146,275	142,341	130,756	140,307	142,969	139,976
Utah	3,874	3,380	2,947	3,048	2,907	3,035	3,112
Vermont	226	204	166	158	164	158	158
Virginia	8,239	8,300	7,583	7,553	7,439	6,704	7,845
Washington	7,720	6,995	7,290	6,287	6,088	5,935	5,952
West Virginia	3,596	3,444	3,193	3,046	3,101	2,953	3,005
Wisconsin	17,463	14,978	12,171	10,461	10,954	10,268	9,988
Wyoming	5,483	4,635	4,389	4,192	4,199	3,973	4,015
<b>Total</b>	<b>761,315</b>	<b>696,113</b>	<b>657,005</b>	<b>616,109</b>	<b>637,549</b>	<b>623,935</b>	<b>614,517</b>

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2017-2019

(million cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	16,284	15,914	17,380	15,521	17,810
Alaska	374	403	473	468	502
Arizona	1,560	1,582	1,753	1,780	2,064
Arkansas	8,214	7,911	8,428	8,369	9,493
California	62,370	60,361	62,969	56,866	64,275
Colorado	6,685	7,107	7,806	7,890	10,271
Connecticut	1,756	1,848	2,633	2,217	2,644
Delaware	2,316	1,837	2,353	2,657	2,888
District of Columbia	0	0	0	0	0
Florida	8,590	8,494	9,403	8,369	9,450
Georgia	12,594	11,774	13,764	12,166	13,451
Hawaii	7	7	8	7	8
Idaho <sup>a</sup>	2,739	2,817	3,180	3,273	3,897
Illinois	19,237	20,040	23,713	22,906	27,228
Indiana	28,706	30,510	34,796	32,500	37,551
Iowa	19,588	19,374	21,556	19,552	21,591
Kansas	9,317	10,133	10,059	10,103	11,066
Kentucky	9,191	9,028	10,431	9,855	11,429
Louisiana	89,293	88,029	90,433	82,593	94,532
Maine	1,257	1,435	1,634	1,567	1,745
Maryland	1,234	1,040	1,535	1,281	1,490
Massachusetts	3,205	4,319	5,615	5,144	5,717
Michigan	12,253	12,863	17,286	16,158	18,815
Minnesota	12,857	13,737	14,916	14,740	16,480
Mississippi	10,741	10,451	11,032	10,303	11,114
Missouri	4,679	4,834	5,869	5,637	7,014
Montana	1,158	1,341	1,731	1,724	2,042
Nebraska	6,928	7,076	7,413	7,670	8,520
Nevada	1,470	1,526	1,672	1,518	1,821
New Hampshire	759	853	911	910	892
New Jersey	4,363	4,045	5,556	5,033	5,475
New Mexico	1,277	1,214	1,122	1,212	1,509
New York	5,516	6,385	8,235	7,536	8,464
North Carolina	8,311	8,284	9,631	8,662	9,633
North Dakota	2,849	2,900	3,045	2,358	2,928
Ohio	21,099	22,328	26,700	25,763	28,927
Oklahoma	16,580	17,059	17,746	15,395	17,804
Oregon	4,747	4,780	5,208	5,093	5,901
Pennsylvania	16,819	17,066	21,082	19,076	21,275
Rhode Island	666	799	716	791	806
South Carolina	7,435	7,212	8,092	7,251	8,149
South Dakota	3,663	3,632	3,932	3,812	4,314
Tennessee	11,033	10,673	11,984	11,690	12,602
Texas	133,114	131,927	140,426	132,346	145,522
Utah	3,247	3,480	3,390	3,810	3,779
Vermont	158	167	215	196	222
Virginia	7,899	8,037	8,477	8,079	7,943
Washington	6,065	6,277	7,011	6,861	8,175
West Virginia	2,931	2,734	3,468	3,228	3,658
Wisconsin	11,080	11,765	15,105	13,844	16,843
Wyoming	4,380	4,591	4,948	4,618	5,089
<b>Total</b>	<b>628,595</b>	<b>632,002</b>	<b>696,841</b>	<b>650,397</b>	<b>734,820</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>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, 2017-2019

(million cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	116,995	122,197	109,200	27,418	34,456	27,370	27,750
Alaska	11,890	10,431	7,226	2,541	3,053	2,907	3,388
Arizona	90,241	54,074	36,391	25,354	22,739	19,902	22,246
Arkansas	37,963	45,232	34,846	8,996	9,218	11,323	8,427
California	168,326	168,561	147,589	28,430	40,034	48,209	51,653
Colorado	40,718	36,608	27,134	8,995	10,073	11,099	10,552
Connecticut	42,092	38,050	33,272	10,852	10,050	9,908	11,282
Delaware	6,615	11,069	12,746	1,821	2,288	1,317	1,189
District of Columbia	--	--	--	--	--	--	--
Florida	366,794	361,694	334,524	96,290	94,135	86,137	90,233
Georgia	111,395	107,081	107,928	29,292	24,715	27,340	30,047
Hawaii	--	--	--	--	--	--	--
Idaho	7,442	W	5,188	1,027	1,329	2,433	2,653
Illinois	41,020	W	31,209	11,625	9,957	9,073	10,365
Indiana	64,623	54,615	47,843	13,588	16,735	16,540	17,761
Iowa	13,337	13,369	5,400	2,671	3,604	3,429	3,633
Kansas	5,002	6,588	4,467	1,609	1,081	1,116	1,195
Kentucky	30,811	38,749	23,436	6,369	9,004	6,019	9,419
Louisiana	97,106	84,441	72,972	29,035	22,427	20,511	25,133
Maine	W	W	W	W	875	900	1,039
Maryland	30,506	25,277	13,085	6,856	10,353	8,069	5,228
Massachusetts	41,121	47,136	51,219	7,825	10,437	10,655	12,204
Michigan	79,361	84,572	61,658	20,271	19,458	18,369	21,264
Minnesota	22,550	19,977	14,618	5,670	5,681	6,572	4,627
Mississippi	98,260	117,932	99,301	24,766	24,102	23,871	25,520
Missouri	16,152	19,407	11,796	4,238	4,579	3,388	3,947
Montana	1,623	W	1,368	208	320	632	463
Nebraska	W	W	983	464	567	W	339
Nevada	53,370	54,516	54,130	12,362	13,401	13,038	14,570
New Hampshire	5,282	1,997	7,032	1,876	1,552	607	1,248
New Jersey	89,730	84,331	84,590	23,593	21,280	21,945	22,912
New Mexico	28,865	25,224	20,863	7,335	6,783	7,093	7,654
New York	110,755	112,150	116,700	24,542	26,947	28,522	30,744
North Carolina	96,540	95,006	87,120	20,383	25,216	26,309	24,631
North Dakota	2,506	W	2,789	604	633	605	665
Ohio	113,200	93,245	56,854	26,626	29,435	28,871	28,268
Oklahoma	85,829	72,550	54,758	19,857	20,243	21,027	24,702
Oregon	47,396	35,484	21,971	8,230	13,079	12,322	13,765
Pennsylvania	186,318	155,430	121,888	34,207	50,082	49,353	52,676
Rhode Island	12,850	W	11,604	3,329	3,749	2,767	3,005
South Carolina	50,244	38,559	37,992	13,057	11,775	12,721	12,691
South Dakota	W	W	W	W	391	W	449
Tennessee	31,726	28,470	25,594	4,388	9,970	8,384	8,985
Texas	434,189	433,142	352,247	100,102	109,233	101,043	123,811
Utah	21,174	13,492	11,970	3,782	6,315	5,489	5,588
Vermont	5	3	4	1	2	1	1
Virginia	122,554	101,343	91,012	23,711	31,350	33,433	34,060
Washington	27,155	21,295	20,517	5,555	6,676	5,596	9,328
West Virginia	1,750	W	W	673	413	247	417
Wisconsin	48,769	39,511	25,560	12,678	12,247	11,585	12,259
Wyoming	769	W	W	144	217	277	130
<b>Total</b>	<b>3,119,608</b>	<b>2,949,301</b>	<b>2,508,961</b>	<b>724,048</b>	<b>792,262</b>	<b>769,182</b>	<b>834,116</b>

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power<sup>a</sup> consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						
	Total	December	November	October	September	August	July
Alabama	431,553	29,657	31,156	37,623	43,565	43,207	45,373
Alaska	33,050	2,493	1,986	2,253	3,245	4,071	3,987
Arizona	287,022	22,826	21,531	29,186	35,761	38,560	37,263
Arkansas	142,080	4,925	7,204	14,584	11,685	14,852	15,992
California	629,469	53,610	55,519	61,611	56,086	76,620	84,973
Colorado	128,072	10,166	9,937	9,971	11,296	12,743	14,696
Connecticut	135,450	12,350	12,263	11,625	12,216	14,689	14,093
Delaware	34,950	1,157	1,534	3,866	3,767	4,715	3,337
District of Columbia	--	--	--	--	--	--	--
Florida	1,280,920	84,630	94,658	121,014	130,881	131,226	132,621
Georgia	377,421	26,149	24,294	31,444	36,863	39,093	42,908
Hawaii	--	--	--	--	--	--	--
Idaho	22,085	2,296	2,134	998	2,946	2,868	3,238
Illinois	160,255	6,629	9,696	11,096	16,976	21,600	22,152
Indiana	185,155	14,523	14,959	13,899	14,853	18,378	19,444
Iowa	49,657	3,311	2,199	3,095	5,980	5,545	6,249
Kansas	32,422	971	1,397	2,651	3,021	3,623	4,797
Kentucky	114,492	6,407	8,993	9,382	11,023	10,999	10,957
Louisiana	299,490	15,779	16,516	28,324	29,211	31,644	34,746
Maine	W	609	1,060	1,895	1,208	2,102	2,005
Maryland	101,163	6,609	5,916	10,430	11,179	11,914	10,930
Massachusetts	144,031	9,718	8,492	10,009	12,530	19,330	17,622
Michigan	247,744	16,362	15,088	18,163	21,959	24,231	23,862
Minnesota	65,650	3,090	3,227	3,740	7,768	8,014	8,732
Mississippi	364,790	19,543	24,432	24,146	33,807	39,032	39,287
Missouri	67,697	3,195	4,815	5,914	5,764	7,577	7,849
Montana	4,899	587	483	389	W	617	524
Nebraska	10,453	W	W	884	W	1,358	1,626
Nevada	200,426	13,538	13,701	15,257	20,429	23,976	25,305
New Hampshire	21,563	502	1,380	3,203	2,249	4,153	4,186
New Jersey	294,225	22,025	20,998	23,310	29,373	34,315	34,230
New Mexico	96,428	9,186	7,195	6,700	8,902	10,317	10,711
New York	420,296	29,514	30,423	33,418	40,474	55,506	51,805
North Carolina	333,347	24,407	26,316	29,108	31,035	34,560	38,192
North Dakota	7,145	W	W	620	W	874	902
Ohio	305,814	27,600	26,746	26,726	25,329	29,975	29,020
Oklahoma	314,498	19,134	21,567	22,265	32,133	36,435	41,579
Oregon	122,230	12,577	11,799	11,043	13,492	14,797	14,196
Pennsylvania	546,201	43,819	41,270	48,717	53,918	61,612	57,672
Rhode Island	W	3,817	3,208	5,211	5,379	5,878	5,566
South Carolina	176,797	10,920	15,988	17,220	22,220	20,600	21,539
South Dakota	W	W	W	608	W	1,073	1,207
Tennessee	99,712	6,638	7,785	9,254	10,989	11,266	11,132
Texas	1,615,400	109,193	102,609	127,916	153,251	185,073	202,274
Utah	61,649	5,836	5,311	6,044	6,066	8,147	8,389
Vermont	11	*	1	1	1	*	2
Virginia	356,382	31,191	27,014	22,035	35,404	38,248	38,204
Washington	78,505	5,160	3,046	5,661	10,127	11,922	12,207
West Virginia	10,754	W	687	1,401	1,875	1,416	1,347
Wisconsin	135,365	10,041	8,253	10,875	13,920	16,314	16,375
Wyoming	2,146	141	209	201	W	W	329
<b>Total</b>	<b>10,625,694</b>	<b>743,958</b>	<b>756,296</b>	<b>894,986</b>	<b>1,044,507</b>	<b>1,195,340</b>	<b>1,235,633</b>

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power<sup>a</sup> consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	39,099	39,676	33,462	30,331	24,693	33,711	387,460
Alaska	2,592	1,991	2,139	3,017	2,393	2,883	27,141
Arizona	27,153	20,667	17,312	12,787	12,036	11,939	222,843
Arkansas	14,354	13,253	13,016	10,614	10,514	11,088	133,042
California	42,832	29,657	32,301	48,607	41,231	46,422	597,171
Colorado	12,168	10,487	7,543	8,770	9,878	10,417	98,427
Connecticut	11,464	8,699	8,947	10,374	9,458	9,272	107,213
Delaware	2,257	3,249	3,279	3,444	2,373	1,973	45,793
District of Columbia	--	--	--	--	--	--	*
Florida	119,193	105,002	96,910	92,076	82,249	90,459	1,196,155
Georgia	35,966	33,624	22,838	26,745	26,277	31,222	377,452
Hawaii	--	--	--	--	--	--	--
Idaho	1,845	1,018	W	1,132	1,164	1,457	20,214
Illinois	14,534	15,007	9,179	11,108	W	12,821	116,882
Indiana	17,035	17,450	13,231	12,630	12,852	15,902	151,820
Iowa	4,779	5,130	4,460	3,275	2,547	3,088	27,706
Kansas	4,329	5,045	2,276	1,825	1,149	1,338	23,257
Kentucky	8,280	9,701	7,394	9,356	7,509	14,489	84,878
Louisiana	30,123	28,705	20,431	19,561	19,450	25,000	272,156
Maine	1,506	1,313	918	1,406	W	805	19,088
Maryland	8,018	10,889	7,213	6,630	7,655	3,779	51,303
Massachusetts	10,459	8,734	8,496	12,610	13,613	12,417	163,128
Michigan	19,319	24,189	22,769	23,536	16,719	21,548	216,285
Minnesota	5,314	5,789	5,800	5,489	3,980	4,707	58,713
Mississippi	33,059	33,551	29,257	26,674	25,982	36,019	346,990
Missouri	6,421	6,754	2,756	4,530	7,184	4,937	44,834
Montana	280	368	W	273	287	337	5,118
Nebraska	785	1,313	W	415	274	486	5,531
Nevada	19,356	14,347	13,231	13,525	13,023	14,737	196,646
New Hampshire	3,043	850	616	242	223	916	25,975
New Jersey	24,002	21,642	21,604	23,835	22,040	16,853	278,263
New Mexico	9,673	8,520	7,315	6,829	5,685	5,395	75,644
New York	35,828	31,178	26,275	27,334	30,594	27,946	400,403
North Carolina	29,893	24,829	20,669	27,793	22,479	24,066	285,843
North Dakota	552	W	W	575	W	520	10,100
Ohio	24,168	23,004	21,898	23,049	22,169	26,130	205,619
Oklahoma	34,900	33,934	20,986	16,138	17,418	18,008	235,574
Oregon	5,663	3,179	6,488	11,260	7,384	10,352	88,673
Pennsylvania	46,611	37,153	37,289	41,539	39,647	36,955	440,807
Rhode Island	4,450	3,927	3,670	3,598	W	3,178	41,128
South Carolina	17,399	12,351	9,547	10,432	7,073	11,508	135,107
South Dakota	588	W	W	443	W	549	6,467
Tennessee	8,768	5,411	5,604	7,150	6,543	9,174	77,410
Texas	156,865	145,076	100,637	106,900	103,835	121,769	1,383,503
Utah	4,549	3,814	3,235	3,229	3,245	3,783	40,900
Vermont	2	*	2	1	1	--	12
Virginia	35,359	27,585	19,845	26,513	27,627	27,358	327,126
Washington	5,656	3,431	4,339	6,190	4,501	6,266	77,234
West Virginia	868	1,053	1,145	275	W	517	11,295
Wisconsin	10,964	9,113	7,434	11,291	10,081	10,705	104,470
Wyoming	147	W	W	W	145	W	1,268
<b>Total</b>	<b>952,471</b>	<b>853,201</b>	<b>707,388</b>	<b>755,400</b>	<b>701,253</b>	<b>785,260</b>	<b>9,250,066</b>

See footnotes at end of table.



Table 17. Natural gas deliveries to electric power<sup>a</sup> consumers, by state, 2017-2019

(million cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	30,027	30,663	31,968	35,935	41,891	43,183	33,599
Alaska	2,879	2,287	2,739	2,590	3,148	3,075	1,798
Arizona	15,583	12,775	21,580	24,782	31,174	34,001	27,480
Arkansas	12,806	6,552	10,535	10,781	14,121	16,802	13,498
California	50,535	48,013	58,492	62,609	78,072	67,121	49,346
Colorado	8,882	6,641	6,431	9,209	11,276	12,634	8,919
Connecticut	10,080	10,253	9,317	8,206	10,854	10,807	7,911
Delaware	2,622	2,381	3,671	3,758	5,123	5,481	5,034
District of Columbia	*	--	--	--	--	--	--
Florida	86,507	83,018	106,714	112,489	128,071	125,089	109,736
Georgia	32,831	26,920	29,911	33,691	41,187	39,860	34,495
Hawaii	--	--	--	--	--	--	--
Idaho	2,067	1,608	2,046	2,004	2,466	2,481	1,336
Illinois	9,016	7,543	8,982	11,325	12,376	15,559	12,488
Indiana	16,492	12,651	12,159	13,843	13,840	15,322	11,947
Iowa	3,249	2,098	2,623	3,197	3,935	3,785	1,969
Kansas	1,582	1,563	2,518	2,034	2,852	4,037	2,604
Kentucky	8,188	7,550	5,319	6,666	8,501	10,869	7,897
Louisiana	21,902	15,618	26,045	25,718	29,240	30,216	26,532
Maine	1,601	W	W	W	W	W	W
Maryland	5,044	5,218	3,262	5,952	4,900	5,951	4,624
Massachusetts	13,410	9,884	12,070	13,431	17,504	17,273	15,120
Michigan	21,153	16,756	19,250	18,700	21,353	23,797	17,749
Minnesota	5,661	4,496	5,591	5,964	7,274	8,038	3,957
Mississippi	31,169	24,528	25,870	29,682	36,360	39,236	30,537
Missouri	3,383	3,547	W	4,698	4,582	5,821	4,260
Montana	450	340	434	532	727	634	315
Nebraska	284	282	319	588	769	1,513	450
Nevada	14,765	14,037	16,823	17,643	22,428	22,970	19,267
New Hampshire	1,429	1,850	1,668	3,324	3,468	2,923	2,505
New Jersey	23,081	18,584	21,751	23,629	26,502	31,311	26,603
New Mexico	6,207	4,903	5,982	6,601	7,717	9,181	8,075
New York	31,253	27,835	30,115	36,648	44,450	47,146	37,934
North Carolina	26,844	22,687	22,530	24,699	27,503	28,212	24,265
North Dakota	993	821	899	973	1,111	1,126	761
Ohio	21,547	20,491	15,269	17,640	20,914	21,142	17,010
Oklahoma	19,103	14,548	18,031	21,568	29,133	34,774	24,995
Oregon	11,711	8,347	10,577	9,407	11,698	9,828	3,116
Pennsylvania	33,147	32,340	45,997	44,848	46,837	49,613	38,393
Rhode Island	3,072	3,304	W	3,926	4,249	4,480	3,817
South Carolina	9,625	10,191	12,271	12,622	13,429	14,172	11,987
South Dakota	540	427	543	707	865	1,071	W
Tennessee	6,653	5,416	6,291	6,626	7,456	8,614	7,142
Texas	110,222	88,443	110,054	125,868	166,502	176,441	142,427
Utah	3,738	1,982	2,017	3,581	6,207	5,218	3,670
Vermont	1	1	*	1	1	*	1
Virginia	27,707	26,263	21,680	31,012	35,320	37,392	33,514
Washington	8,453	6,714	8,284	7,571	10,262	8,374	3,605
West Virginia	434	915	2,067	2,064	1,470	1,544	1,047
Wisconsin	10,144	8,004	10,295	10,809	12,373	13,683	8,059
Wyoming	154	90	55	116	219	292	85
<b>Total</b>	<b>768,229</b>	<b>662,814</b>	<b>779,799</b>	<b>862,068</b>	<b>1,033,682</b>	<b>1,074,275</b>	<b>854,087</b>

See footnotes at end of table.

**Table 17. Natural gas deliveries to electric power<sup>a</sup> consumers, by state, 2017-2019**  
(million cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	30,994	29,790	30,529	23,174	25,708
Alaska	1,398	1,510	1,916	1,470	2,331
Arizona	19,077	14,165	7,307	5,396	9,522
Arkansas	13,100	11,525	11,030	7,424	4,866
California	35,394	27,417	31,506	37,508	51,157
Colorado	7,299	7,343	5,826	5,680	8,285
Connecticut	6,513	7,058	7,920	8,140	10,154
Delaware	4,977	3,096	4,208	2,807	2,635
District of Columbia	--	--	--	--	--
Florida	110,008	93,552	90,505	72,938	77,530
Georgia	30,628	24,262	27,563	27,669	28,434
Hawaii	--	--	--	--	--
Idaho	1,018	1,049	1,324	1,077	1,738
Illinois	8,386	6,401	10,068	7,394	7,345
Indiana	7,722	9,715	14,366	11,093	12,669
Iowa	1,450	1,609	1,256	952	1,583
Kansas	1,598	1,520	1,451	621	874
Kentucky	6,451	6,616	7,421	4,293	5,106
Louisiana	23,915	20,939	21,216	15,835	14,982
Maine	W	W	W	W	1,402
Maryland	3,267	3,780	4,637	2,708	1,960
Massachusetts	13,217	13,630	13,567	11,524	12,498
Michigan	15,867	13,869	19,052	12,299	16,439
Minnesota	3,115	2,990	3,813	2,922	4,893
Mississippi	30,306	25,274	29,604	18,842	25,581
Missouri	2,943	2,696	3,538	2,583	2,978
Montana	319	333	343	288	404
Nebraska	342	210	358	143	273
Nevada	14,582	11,945	12,837	13,168	16,181
New Hampshire	1,776	3,572	1,464	893	1,104
New Jersey	22,211	20,150	26,548	17,255	20,637
New Mexico	6,116	4,531	5,096	5,004	6,231
New York	28,322	25,663	33,506	26,606	30,926
North Carolina	21,983	18,297	24,879	21,931	22,013
North Dakota	628	628	675	624	862
Ohio	14,752	11,832	15,964	13,968	15,089
Oklahoma	18,664	16,848	12,971	10,845	14,093
Oregon	2,020	2,330	3,256	5,735	10,649
Pennsylvania	27,745	25,534	32,555	30,334	33,465
Rhode Island	3,286	3,093	2,987	2,638	2,887
South Carolina	12,820	11,209	9,993	8,927	7,863
South Dakota	352	W	452	270	490
Tennessee	3,618	6,468	8,876	5,105	5,144
Texas	111,299	97,943	93,567	75,007	85,730
Utah	2,516	2,195	2,210	2,677	4,889
Vermont	2	*	2	1	2
Virginia	23,226	19,393	26,434	22,401	22,783
Washington	3,452	4,295	4,373	4,100	7,748
West Virginia	496	W	W	W	W
Wisconsin	5,542	5,611	7,853	5,223	6,873
Wyoming	W	55	W	27	97
<b>Total</b>	<b>706,151</b>	<b>623,889</b>	<b>678,970</b>	<b>558,740</b>	<b>647,362</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.

-- 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, 2017-2019

(million cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	217,959	223,581	197,115	47,405	59,557	50,587	60,411
Alaska	NA	28,201	26,328	NA	NA	NA	NA
Arizona	138,767	NA	75,963	32,780	34,151	33,895	37,941
Arkansas	NA	NA	100,989	23,597	NA	31,419	32,476
California	736,735	712,647	696,752	136,005	178,737	210,308	211,684
Colorado	181,107	166,414	143,335	30,027	47,045	50,103	53,931
Connecticut	109,210	105,265	94,421	20,794	26,912	28,281	33,222
Delaware	34,078	NA	33,963	6,204	9,143	8,571	10,160
District of Columbia	NA	NA	13,459	1,838	3,690	NA	4,663
Florida	NA	430,864	399,599	NA	NA	103,301	110,108
Georgia	254,127	255,027	229,108	52,341	59,958	61,725	80,103
Hawaii	1,127	1,119	1,078	279	278	268	302
Idaho	44,815	38,862	42,496	7,015	10,326	13,162	14,312
Illinois	515,409	512,344	419,478	80,821	127,381	140,675	166,532
Indiana	350,776	NA	281,087	63,918	90,622	89,932	106,304
Iowa	170,915	169,265	143,389	30,801	43,060	46,411	50,642
Kansas	NA	110,845	89,654	NA	26,059	32,354	34,435
Kentucky	122,071	133,142	100,509	20,291	32,852	29,331	39,597
Louisiana	516,136	NA	450,968	129,427	126,594	121,789	138,326
Maine	17,775	18,482	17,720	3,168	4,510	4,748	5,348
Maryland	116,961	NA	90,820	16,584	32,754	32,950	34,674
Massachusetts	189,539	206,760	189,510	29,934	47,470	51,358	60,777
Michigan	442,113	NA	359,043	75,200	111,902	116,547	138,464
Minnesota	225,300	221,047	189,047	38,851	54,547	65,199	66,704
Mississippi	165,024	187,208	157,559	38,837	41,030	40,062	45,096
Missouri	141,284	146,526	107,019	18,606	35,038	40,780	46,860
Montana	35,745	NA	30,545	5,525	8,941	11,639	9,640
Nebraska	71,683	74,045	64,694	11,462	17,795	21,229	21,197
Nevada	NA	96,446	97,150	19,664	25,221	NA	29,282
New Hampshire	19,023	15,439	19,146	4,082	4,926	4,364	5,651
New Jersey	311,597	NA	294,872	51,784	78,333	85,396	96,084
New Mexico	67,048	60,075	51,200	12,891	15,228	17,953	20,976
New York	571,402	568,932	521,092	90,198	146,881	151,579	182,744
North Carolina	204,737	NA	174,944	36,631	53,090	53,292	61,724
North Dakota	31,777	NA	26,482	5,835	7,838	8,936	9,168
Ohio	484,180	464,742	366,345	80,723	125,117	128,978	149,361
Oklahoma	221,558	206,336	166,015	43,929	54,989	56,647	65,993
Oregon	107,949	NA	83,642	18,754	28,069	30,253	30,873
Pennsylvania	NA	476,140	390,617	77,911	NA	NA	NA
Rhode Island	33,990	35,447	30,521	6,405	9,085	8,547	9,954
South Carolina	111,062	NA	89,759	24,337	27,015	27,801	31,910
South Dakota	33,340	NA	29,170	6,192	8,145	9,630	9,373
Tennessee	152,749	NA	120,380	23,237	40,685	38,829	49,999
Texas	1,242,945	NA	1,057,531	272,113	312,451	306,307	352,075
Utah	93,868	81,186	77,611	13,647	23,615	26,921	29,685
Vermont	NA	6,173	5,392	1,065	1,608	1,797	NA
Virginia	NA	NA	194,005	40,449	NA	66,170	73,142
Washington	127,933	NA	124,049	22,493	31,007	36,590	37,842
West Virginia	NA	42,303	36,332	6,570	NA	9,978	12,658
Wisconsin	251,249	237,897	194,867	46,328	61,811	67,323	75,787
Wyoming	NA	38,349	33,223	NA	9,321	10,203	11,111
<b>Total</b>	<b>10,505,311</b>	<b>10,275,440</b>	<b>8,929,994</b>	<b>1,968,593</b>	<b>2,645,723</b>	<b>2,759,970</b>	<b>3,131,025</b>

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						
	Total	December	November	October	September	August	July
Alabama	698,910	58,796	57,508	57,874	61,167	61,149	63,229
Alaska	NA	NA	6,193	5,055	5,142	5,630	5,339
Arizona	NA	35,279	30,164	35,133	40,524	43,399	42,155
Arkansas	NA	26,501	26,591	28,833	23,481	27,017	27,111
California	NA	211,685	179,926	168,900	161,684	NA	188,258
Colorado	408,565	53,402	42,225	30,398	21,999	22,702	24,288
Connecticut	272,077	30,131	26,968	20,327	17,736	20,259	19,539
Delaware	NA	8,036	NA	8,274	6,869	7,875	NA
District of Columbia	NA	4,031	3,344	1,825	985	1,213	1,077
Florida	1,470,666	103,183	110,632	135,533	145,024	145,403	146,612
Georgia	725,984	70,368	62,485	53,861	55,136	58,597	61,827
Hawaii	3,281	273	266	272	257	281	277
Idaho	103,004	13,830	11,545	7,567	7,269	6,544	6,788
Illinois	1,101,451	126,892	119,967	73,447	52,602	55,980	56,141
Indiana	NA	87,782	82,270	NA	49,344	54,641	57,518
Iowa	424,911	42,880	40,408	32,128	28,159	28,683	28,712
Kansas	272,693	29,896	26,653	17,899	15,377	17,006	18,802
Kentucky	320,833	30,666	31,621	23,659	20,995	21,141	20,796
Louisiana	NA	123,234	118,430	125,059	126,599	128,940	132,491
Maine	NA	4,464	4,462	4,542	3,190	NA	NA
Maryland	NA	30,484	26,111	21,426	17,528	18,330	17,280
Massachusetts	439,392	49,049	40,543	25,511	22,091	28,290	26,319
Michigan	NA	109,859	96,612	66,608	45,183	47,680	45,758
Minnesota	NA	55,304	48,332	32,216	24,769	24,525	25,256
Mississippi	544,802	37,564	41,330	37,575	46,063	51,628	51,156
Missouri	316,832	37,354	35,495	20,505	14,240	16,026	15,993
Montana	NA	9,635	8,165	6,054	4,095	3,917	3,733
Nebraska	174,884	18,785	17,183	13,035	10,407	9,709	11,097
Nevada	295,852	26,329	22,582	21,310	25,469	28,731	30,255
New Hampshire	48,987	4,168	4,521	4,678	3,400	5,227	5,231
New Jersey	NA	NA	NA	NA	NA	48,037	48,643
New Mexico	NA	NA	NA	12,311	12,236	13,779	13,806
New York	NA	145,958	130,890	87,435	72,803	86,732	84,057
North Carolina	NA	56,365	54,622	45,528	42,450	46,830	50,014
North Dakota	NA	8,128	7,005	6,104	4,470	4,290	4,244
Ohio	1,060,270	123,712	112,441	76,735	55,430	59,322	58,009
Oklahoma	636,821	55,974	53,117	44,995	52,259	55,786	59,438
Oregon	NA	29,032	25,074	20,302	20,087	20,776	20,127
Pennsylvania	1,196,610	125,911	111,299	91,054	80,366	88,137	83,816
Rhode Island	92,593	9,443	7,773	7,895	6,741	7,199	6,851
South Carolina	NA	28,663	31,952	28,523	30,919	30,102	30,768
South Dakota	NA	8,540	7,491	6,062	5,404	5,197	5,241
Tennessee	NA	41,120	NA	26,752	25,472	25,751	25,657
Texas	NA	326,352	296,756	289,903	315,244	350,915	369,419
Utah	NA	28,943	22,930	16,620	12,161	13,911	14,257
Vermont	13,515	1,785	1,523	991	636	593	586
Virginia	NA	63,228	50,755	38,813	NA	49,660	51,105
Washington	NA	32,922	24,920	23,029	21,811	21,701	22,220
West Virginia	NA	10,389	9,613	7,302	5,808	5,664	5,512
Wisconsin	543,599	59,991	54,294	39,610	31,039	32,648	32,076
Wyoming	97,873	11,421	9,851	8,119	6,327	6,076	5,538
<b>Total</b>	<b>27,405,168</b>	<b>2,721,388</b>	<b>2,463,484</b>	<b>2,059,861</b>	<b>1,951,602</b>	<b>2,097,423</b>	<b>2,134,810</b>

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	57,003	58,602	54,593	54,531	46,883	67,575	633,536
Alaska	4,217	4,231	5,165	7,405	7,496	8,135	67,102
Arizona	NA	NA	NA	NA	NA	NA	308,987
Arkansas	25,341	25,355	28,688	29,316	30,322	NA	306,547
California	144,413	139,102	145,275	192,850	179,123	195,398	2,048,294
Colorado	21,989	25,148	29,704	37,490	47,842	51,378	355,187
Connecticut	16,938	14,915	21,438	27,151	25,234	31,441	232,737
Delaware	NA	NA	NA	NA	NA	NA	98,913
District of Columbia	1,158	1,084	2,212	3,801	3,548	NA	29,055
Florida	133,402	120,013	112,901	109,649	97,657	110,659	1,376,529
Georgia	55,049	53,633	48,665	63,140	55,695	87,527	689,147
Hawaii	270	266	276	273	261	309	3,104
Idaho	5,510	5,089	6,724	9,648	10,709	11,781	104,810
Illinois	48,732	55,346	97,499	118,702	130,933	165,211	969,718
Indiana	53,064	58,721	69,062	82,594	81,419	NA	730,238
Iowa	26,520	28,156	37,050	40,324	42,377	49,515	378,999
Kansas	17,364	18,851	22,867	24,290	29,161	34,526	240,053
Kentucky	17,893	20,920	24,607	32,219	29,689	46,628	274,656
Louisiana	129,199	128,839	116,872	118,634	116,497	NA	1,426,152
Maine	3,097	2,998	3,501	4,665	5,428	4,888	48,461
Maryland	14,955	NA	NA	NA	NA	35,173	215,283
Massachusetts	20,165	20,665	35,984	51,556	56,708	62,512	441,202
Michigan	42,206	54,126	90,679	112,839	NA	134,291	848,731
Minnesota	22,349	NA	43,816	50,991	59,746	66,494	448,431
Mississippi	45,582	46,696	44,187	42,546	41,234	59,240	511,522
Missouri	14,713	15,980	24,566	32,362	40,619	48,979	253,061
Montana	3,698	4,326	6,221	NA	9,727	9,847	73,367
Nebraska	9,442	11,181	15,858	16,573	19,754	21,860	158,234
Nevada	24,533	20,196	20,387	24,697	24,399	26,963	291,219
New Hampshire	4,167	2,155	3,082	3,565	3,441	5,351	51,997
New Jersey	39,460	NA	NA	NA	NA	NA	703,505
New Mexico	12,997	12,478	12,326	15,822	14,549	17,377	144,797
New York	NA	70,869	111,185	142,375	139,857	175,515	1,230,272
North Carolina	41,905	37,506	39,805	57,983	45,926	NA	507,118
North Dakota	3,961	NA	6,553	NA	7,642	8,048	66,201
Ohio	54,287	55,592	92,247	115,821	109,312	147,362	900,058
Oklahoma	53,755	55,160	47,925	45,230	53,683	59,499	524,660
Oregon	12,424	10,408	16,963	25,247	NA	25,832	226,396
Pennsylvania	73,067	66,820	95,011	126,654	112,473	142,002	1,025,040
Rhode Island	5,803	5,440	7,517	9,077	8,538	10,315	79,562
South Carolina	26,818	22,337	21,418	NA	20,214	31,718	274,328
South Dakota	4,756	NA	NA	NA	8,641	9,384	74,907
Tennessee	24,008	21,349	28,912	NA	34,369	NA	318,011
Texas	317,008	315,416	274,808	299,947	293,452	NA	3,398,560
Utah	11,266	NA	14,135	21,781	20,716	24,554	189,225
Vermont	617	612	1,235	1,511	1,469	1,958	11,922
Virginia	NA	40,915	39,434	58,482	54,797	NA	567,057
Washington	16,636	15,068	22,452	NA	31,303	33,569	309,587
West Virginia	4,803	NA	8,400	10,702	9,659	13,542	94,497
Wisconsin	27,067	28,977	46,911	57,013	62,515	71,457	480,976
Wyoming	5,851	6,342	8,543	9,793	9,801	10,212	82,336
<b>Total</b>	<b>2,185,426</b>	<b>2,186,899</b>	<b>2,213,842</b>	<b>2,556,271</b>	<b>2,500,614</b>	<b>3,083,713</b>	<b>24,824,284</b>

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2017-2019

(million cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	58,705	52,507	51,120	53,284	59,505	60,613	51,195
Alaska	7,777	7,037	5,747	4,408	4,540	4,327	3,327
Arizona	25,781	19,193	27,065	29,466	35,675	38,540	32,356
Arkansas	34,479	21,990	23,874	22,056	25,514	27,659	24,627
California	209,200	167,614	168,017	165,626	183,216	167,601	147,140
Colorado	47,843	32,413	25,884	19,771	21,291	22,248	19,040
Connecticut	28,386	22,629	15,209	13,453	16,036	16,071	13,297
Delaware	9,367	7,332	7,403	7,509	8,346	8,403	8,226
District of Columbia	5,148	2,408	1,506	1,205	1,206	1,222	1,278
Florida	104,113	98,545	121,395	125,040	141,640	138,404	123,194
Georgia	77,578	57,534	51,820	50,492	60,014	58,267	53,488
Hawaii	259	257	249	250	253	244	270
Idaho	13,771	9,941	8,950	6,498	6,001	6,188	5,120
Illinois	143,381	99,160	61,477	46,494	46,759	49,042	46,656
Indiana	95,968	68,416	52,073	48,404	47,049	48,033	43,858
Iowa	45,445	35,968	28,090	24,688	26,006	25,638	24,013
Kansas	30,096	23,014	16,578	15,283	16,853	18,430	15,666
Kentucky	35,789	26,722	18,529	17,218	18,816	20,641	18,255
Louisiana	132,127	116,532	123,403	118,419	125,642	124,012	118,370
Maine	5,531	4,388	3,422	3,450	3,547	3,824	3,341
Maryland	33,267	22,801	10,808	12,139	10,636	12,342	10,747
Massachusetts	60,043	37,900	24,547	22,926	26,633	26,242	25,133
Michigan	124,966	86,103	55,775	43,045	44,004	44,647	40,497
Minnesota	59,913	45,436	30,511	23,942	25,566	25,432	22,701
Mississippi	49,854	39,515	38,668	41,755	48,523	50,682	42,080
Missouri	39,768	25,416	14,056	13,189	13,132	13,900	12,764
Montana	10,357	8,186	6,371	4,266	3,691	3,465	3,012
Nebraska	18,969	15,090	11,290	8,945	9,294	10,884	8,778
Nevada	27,143	21,494	23,082	22,731	27,051	27,680	24,437
New Hampshire	5,492	4,498	3,048	4,408	4,550	3,942	3,606
New Jersey	95,136	57,581	44,492	38,167	39,526	45,873	43,761
New Mexico	17,116	11,383	10,681	9,823	10,924	12,343	11,255
New York	162,415	110,597	69,247	68,377	75,654	77,970	72,097
North Carolina	60,558	46,758	38,011	36,736	39,646	39,801	35,827
North Dakota	8,187	6,406	5,102	3,466	4,132	4,094	4,021
Ohio	132,665	94,369	57,973	49,278	50,545	49,665	46,100
Oklahoma	55,594	39,415	38,710	40,809	48,168	53,129	43,774
Oregon	30,130	21,657	20,801	16,130	17,619	15,743	10,063
Pennsylvania	119,724	92,549	79,557	70,996	71,103	74,476	64,582
Rhode Island	9,502	7,228	5,117	5,247	5,595	5,810	5,246
South Carolina	26,832	24,073	22,960	21,544	22,667	23,128	20,932
South Dakota	8,717	6,885	5,462	4,873	5,036	5,157	4,622
Tennessee	42,617	28,586	22,009	20,697	21,479	22,182	21,100
Texas	311,224	262,223	272,675	273,151	323,018	336,221	298,771
Utah	28,155	16,769	12,314	9,914	11,811	11,244	10,765
Vermont	1,747	1,257	679	589	561	533	485
Virginia	62,562	49,634	36,457	43,767	47,691	49,173	46,203
Washington	39,647	30,537	26,383	18,860	20,319	18,381	14,295
West Virginia	12,036	9,256	7,666	6,678	5,900	5,824	5,398
Wisconsin	67,642	48,341	33,934	27,042	28,987	29,148	23,918
Wyoming	9,258	7,329	6,419	5,019	5,033	4,887	4,995
<b>Total</b>	<b>2,841,983</b>	<b>2,152,873</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>

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2017-2019

(million cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	49,493	48,288	53,399	44,023	51,405
Alaska	3,611	4,538	7,108	6,317	8,365
Arizona	24,948	20,879	15,951	16,640	22,493
Arkansas	25,359	23,715	26,912	23,804	26,558
California	143,129	136,563	156,928	172,459	230,802
Colorado	23,360	27,374	30,709	34,486	50,767
Connecticut	13,235	16,255	25,424	23,889	28,853
Delaware	8,364	6,295	9,944	8,364	9,359
District of Columbia	1,622	1,795	3,717	3,377	4,569
Florida	124,599	108,787	107,284	88,431	95,097
Georgia	50,845	44,648	59,656	57,498	67,305
Hawaii	244	256	271	259	292
Idaho	5,844	7,245	8,952	10,682	15,617
Illinois	57,270	63,296	111,839	102,317	142,027
Indiana	45,350	51,729	75,599	67,304	86,454
Iowa	25,761	28,310	36,675	34,889	43,515
Kansas	14,480	17,271	21,421	20,858	30,105
Kentucky	18,179	19,348	27,395	23,571	30,194
Louisiana	116,680	112,748	116,954	103,637	117,629
Maine	3,238	3,684	4,957	4,181	4,898
Maryland	11,723	12,520	27,258	23,067	27,975
Massachusetts	28,267	34,077	55,593	46,521	53,319
Michigan	50,650	56,797	101,213	87,669	113,364
Minnesota	25,883	32,514	47,705	47,075	61,753
Mississippi	42,884	37,527	44,572	32,966	42,494
Missouri	13,817	15,304	26,265	25,902	39,548
Montana	3,474	4,993	6,781	8,018	10,754
Nebraska	10,291	11,592	15,168	16,189	21,745
Nevada	20,450	19,042	22,180	24,634	31,294
New Hampshire	3,307	5,476	5,007	3,976	4,686
New Jersey	44,096	48,294	87,199	70,997	88,382
New Mexico	10,071	9,536	11,134	12,867	17,664
New York	72,823	84,599	151,049	131,130	154,315
North Carolina	34,837	31,908	48,901	42,892	51,243
North Dakota	4,312	5,157	6,839	6,262	8,224
Ohio	53,118	56,698	101,096	91,837	116,713
Oklahoma	39,046	39,049	39,004	37,127	50,835
Oregon	10,610	13,365	16,941	21,366	31,971
Pennsylvania	61,436	65,571	108,014	99,298	117,733
Rhode Island	5,296	5,843	8,722	7,452	8,504
South Carolina	22,433	21,094	23,847	21,206	23,613
South Dakota	4,985	5,596	7,217	7,095	9,262
Tennessee	18,960	22,038	33,006	29,179	36,157
Texas	263,747	251,777	264,981	246,261	294,512
Utah	10,643	13,851	14,753	18,550	30,457
Vermont	679	854	1,562	1,382	1,594
Virginia	37,565	35,360	54,617	48,190	55,838
Washington	17,118	22,439	28,292	30,950	42,367
West Virginia	5,408	5,995	10,234	9,036	11,068
Wisconsin	27,096	32,142	52,868	47,205	62,651
Wyoming	6,172	6,748	8,207	8,329	9,939
<b>Total</b>	<b>1,716,805</b>	<b>1,750,781</b>	<b>2,331,317</b>	<b>2,151,615</b>	<b>2,696,281</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, 2017-2019**  
(dollars per thousand cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	3.73	NA	3.92	3.48	3.59	3.65	3.99
Alaska	8.09	7.94	7.56	8.40	8.14	8.25	7.76
Arizona	NA	4.12	4.51	NA	3.03	2.97	3.30
Arkansas	4.06	4.02	4.43	4.98	4.09	3.83	3.91
California	3.36	2.84	3.56	2.56	3.57	3.71	3.28
Colorado	3.69	3.32	3.82	3.44	3.81	3.59	3.79
Connecticut	4.92	4.69	4.25	5.58	4.70	4.70	4.98
Delaware	4.86	4.83	4.65	7.38	4.97	4.54	4.37
District of Columbia	--	--	--	--	--	--	--
Florida	7.38	NA	5.98	7.29	7.42	7.95	7.05
Georgia	4.07	3.76	4.30	3.92	3.83	4.00	4.35
Hawaii	17.44	19.46	16.23	21.85	18.51	15.60	13.97
Idaho	NA	NA	3.12	2.03	3.15	NA	2.43
Illinois	3.51	3.53	3.91	3.05	3.96	3.24	3.58
Indiana	3.63	3.72	3.85	3.37	3.83	3.47	3.69
Iowa	NA	3.86	4.36	NA	4.13	3.74	4.00
Kansas	3.89	3.72	4.24	4.31	3.98	3.76	3.87
Kentucky	NA	3.85	4.12	3.88	3.80	NA	4.03
Louisiana	NA	4.08	4.04	NA	NA	NA	4.58
Maine	7.71	8.22	6.60	5.32	7.41	8.15	8.55
Maryland	4.65	4.40	4.52	6.32	4.57	4.63	4.39
Massachusetts	4.92	6.03	4.54	4.95	5.05	4.79	4.93
Michigan	3.41	3.38	3.70	3.10	3.41	3.37	3.55
Minnesota	NA	3.66	4.05	3.09	4.52	NA	4.45
Mississippi	NA	4.08	4.38	NA	3.98	NA	4.55
Missouri	3.92	3.80	4.33	4.69	3.92	3.71	3.92
Montana	3.05	NA	3.50	2.71	3.27	2.89	3.21
Nebraska	3.98	3.80	4.26	3.44	4.17	3.70	4.29
Nevada	NA	3.53	4.34	3.32	4.30	NA	4.25
New Hampshire	6.37	7.36	5.53	4.03	5.37	6.36	7.99
New Jersey	4.85	4.63	4.42	4.84	4.79	5.02	4.75
New Mexico	NA	3.10	3.70	NA	2.62	NA	3.45
New York	3.92	4.06	3.67	4.09	3.62	3.58	4.35
North Carolina	3.76	3.53	3.80	4.36	3.75	3.55	3.76
North Dakota	3.81	NA	4.33	3.39	3.98	3.53	4.13
Ohio	3.75	NA	3.94	3.54	3.67	3.84	3.99
Oklahoma	3.78	3.61	4.38	3.80	3.91	3.58	3.87
Oregon	3.53	3.51	3.68	3.03	3.74	3.83	3.27
Pennsylvania	4.43	3.97	4.11	4.84	4.71	4.13	4.39
Rhode Island	2.59	2.30	2.18	2.59	2.60	2.59	2.58
South Carolina	4.25	4.14	4.32	4.14	4.17	4.19	4.45
South Dakota	3.81	NA	4.16	3.31	4.10	3.51	4.12
Tennessee	3.74	3.96	4.16	3.82	3.72	3.52	3.87
Texas	NA	NA	5.01	3.92	NA	4.31	4.75
Utah	5.30	5.85	5.53	4.07	5.34	5.70	5.53
Vermont	4.30	4.99	5.41	4.01	4.27	4.18	4.56
Virginia	4.33	NA	4.17	5.46	4.18	4.22	4.23
Washington	NA	3.14	3.51	3.41	NA	NA	3.41
West Virginia	3.69	3.51	3.62	3.90	3.71	3.57	3.71
Wisconsin	4.05	3.95	4.22	3.65	4.17	3.99	4.20
Wyoming	3.66	3.79	4.09	3.02	3.80	3.62	4.02
<b>Total</b>	<b>3.98</b>	<b>3.97</b>	<b>4.10</b>	<b>3.72</b>	<b>4.06</b>	<b>3.89</b>	<b>4.09</b>

See footnotes at end of table.



**Table 19. Average citygate price, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2018						
	Total	December	November	October	September	August	July
Alabama	NA	4.80	3.87	4.06	3.71	3.70	3.81
Alaska	7.34	6.91	6.91	6.73	6.58	6.34	6.39
Arizona	NA	3.02	3.39	2.87	2.67	NA	3.04
Arkansas	4.42	4.80	4.46	4.77	5.67	5.81	6.20
California	NA	NA	3.31	2.73	3.24	NA	NA
Colorado	3.63	4.05	3.97	3.45	4.38	4.40	4.09
Connecticut	5.55	5.88	5.30	5.92	7.99	7.94	7.92
Delaware	NA	5.03	5.44	NA	10.97	10.35	10.70
District of Columbia	--	--	--	--	--	--	--
Florida	NA	7.29	7.79	7.17	7.11	7.00	7.21
Georgia	4.03	5.35	4.13	4.03	3.91	3.74	3.99
Hawaii	19.63	16.51	18.18	21.26	20.04	18.48	20.03
Idaho	NA	2.93	2.70	2.17	2.49	2.15	2.07
Illinois	3.69	3.89	4.06	3.70	3.58	4.27	3.43
Indiana	3.87	3.98	3.96	3.83	4.21	4.83	4.67
Iowa	4.11	4.83	4.55	3.92	4.34	4.47	3.77
Kansas	4.21	4.69	3.94	4.45	7.03	5.44	5.05
Kentucky	3.88	4.44	3.81	3.74	3.57	3.51	3.48
Louisiana	4.00	4.47	4.33	3.93	3.69	3.50	3.70
Maine	8.00	9.87	8.18	5.09	6.37	7.06	6.92
Maryland	5.02	6.25	4.69	5.52	6.49	6.41	7.16
Massachusetts	NA	6.35	5.32	5.65	10.28	NA	10.96
Michigan	3.48	4.16	3.50	3.34	3.17	3.12	3.15
Minnesota	NA	5.02	4.64	3.61	4.10	NA	4.14
Mississippi	4.24	5.13	4.79	4.24	3.69	3.45	3.76
Missouri	4.40	4.91	4.25	4.60	6.60	7.20	7.02
Montana	NA	3.26	2.75	2.27	NA	3.13	2.70
Nebraska	4.08	4.88	4.41	3.79	4.07	4.53	4.26
Nevada	3.99	5.65	4.70	3.65	3.70	3.01	3.40
New Hampshire	NA	7.29	6.86	4.93	8.57	9.77	9.35
New Jersey	4.63	4.79	4.69	4.55	4.69	4.96	4.12
New Mexico	3.05	3.42	2.82	2.54	2.77	3.25	2.93
New York	4.71	4.55	4.71	5.04	8.30	8.49	8.04
North Carolina	4.13	4.78	4.33	4.59	5.65	5.75	6.07
North Dakota	NA	4.91	4.15	3.39	NA	NA	3.20
Ohio	NA	NA	NA	NA	3.34	2.86	NA
Oklahoma	NA	NA	3.53	4.01	4.27	4.41	5.02
Oregon	3.90	3.44	4.17	3.94	5.01	5.53	5.85
Pennsylvania	NA	5.14	4.83	4.68	7.17	NA	6.28
Rhode Island	2.37	2.55	2.49	2.46	2.43	2.41	2.39
South Carolina	NA	5.33	NA	4.30	4.15	4.09	4.13
South Dakota	NA	4.83	4.20	3.59	NA	4.68	4.09
Tennessee	4.11	4.77	4.20	3.93	4.12	3.86	4.13
Texas	NA	4.61	4.62	4.90	4.96	4.75	4.74
Utah	NA	5.92	4.53	4.05	3.62	3.29	NA
Vermont	4.64	4.90	4.56	4.18	4.08	4.07	3.97
Virginia	NA	5.26	4.69	5.50	6.22	6.37	6.09
Washington	NA	NA	NA	3.48	3.63	3.36	3.64
West Virginia	NA	4.10	3.71	4.39	5.36	5.72	NA
Wisconsin	4.19	4.75	4.28	3.99	4.79	4.55	4.41
Wyoming	3.74	4.09	3.81	3.22	3.24	3.61	3.28
<b>Total</b>	<b>4.21</b>	<b>4.75</b>	<b>4.29</b>	<b>4.07</b>	<b>4.70</b>	<b>4.84</b>	<b>4.71</b>

See footnotes at end of table.

**Table 19. Average citygate price, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	3.93	3.81	3.57	3.48	NA	3.37	3.80
Alaska	6.43	7.02	6.76	8.00	8.25	8.24	7.03
Arizona	3.23	2.88	3.01	4.18	4.25	4.49	4.36
Arkansas	5.85	4.47	4.47	4.03	3.98	3.85	4.70
California	2.67	2.34	2.42	2.76	3.12	2.91	3.45
Colorado	4.04	3.51	3.04	3.31	3.40	3.38	3.90
Connecticut	7.94	7.10	4.72	4.10	5.04	4.85	4.44
Delaware	9.50	8.13	5.40	4.34	4.52	5.18	5.60
District of Columbia	--	--	--	--	--	--	--
Florida	6.48	6.76	NA	6.47	7.85	5.65	5.77
Georgia	3.87	3.79	3.59	3.62	4.56	3.48	4.15
Hawaii	20.87	22.70	21.03	19.73	18.34	18.74	16.62
Idaho	NA	2.39	NA	2.87	2.85	2.67	2.90
Illinois	3.46	4.16	3.33	3.30	3.35	3.91	3.76
Indiana	4.57	4.35	3.25	3.61	3.79	3.97	3.85
Iowa	4.00	3.93	3.44	3.61	4.13	4.06	4.30
Kansas	5.60	5.82	3.64	3.84	3.72	3.71	4.51
Kentucky	3.47	3.86	3.64	3.89	4.08	3.77	3.92
Louisiana	3.64	3.70	3.72	3.94	4.30	4.17	4.02
Maine	6.51	6.09	5.39	6.40	8.95	10.35	6.50
Maryland	6.26	6.61	4.59	3.90	4.55	4.64	4.73
Massachusetts	9.51	6.47	5.35	4.69	3.59	9.36	5.28
Michigan	3.14	3.27	3.05	3.32	3.69	3.38	3.57
Minnesota	4.31	3.40	3.12	3.62	3.92	3.74	4.24
Mississippi	3.84	3.86	3.72	3.92	4.48	4.02	4.39
Missouri	6.61	6.36	3.93	3.71	3.90	3.72	4.63
Montana	2.86	NA	2.94	NA	3.29	3.39	3.28
Nebraska	4.24	3.92	3.10	3.74	3.96	4.04	4.31
Nevada	3.48	3.08	3.34	3.20	3.63	3.76	4.13
New Hampshire	NA	6.11	4.38	5.01	7.91	9.96	5.86
New Jersey	4.65	4.15	4.29	4.34	4.55	5.05	4.27
New Mexico	3.00	2.45	2.41	3.08	3.32	3.17	3.51
New York	7.08	6.08	3.56	3.19	3.41	5.75	4.29
North Carolina	5.78	5.20	3.87	3.26	3.88	3.46	3.92
North Dakota	NA	NA	2.88	NA	4.15	4.24	4.28
Ohio	NA	NA	3.45	3.56	NA	3.66	3.96
Oklahoma	4.52	3.66	3.44	3.60	3.69	3.61	4.52
Oregon	4.74	4.88	3.54	3.43	3.47	3.61	3.90
Pennsylvania	5.98	6.13	3.74	4.09	4.19	3.85	4.26
Rhode Island	2.35	2.35	2.33	2.32	2.32	2.25	2.22
South Carolina	4.16	4.20	4.21	3.90	4.22	4.21	4.13
South Dakota	NA	NA	2.91	NA	4.17	3.91	4.39
Tennessee	3.97	3.83	3.58	3.81	4.18	4.08	4.09
Texas	4.71	4.54	NA	5.29	5.42	5.39	4.80
Utah	3.86	4.64	5.52	5.54	6.35	5.77	5.30
Vermont	3.77	3.86	4.61	4.75	5.15	5.29	5.03
Virginia	5.95	5.68	4.60	3.62	NA	4.45	4.53
Washington	3.66	3.29	3.00	3.01	3.28	3.19	3.51
West Virginia	5.01	4.12	3.47	3.40	3.89	3.36	3.86
Wisconsin	4.62	4.04	3.44	3.75	4.36	4.04	4.24
Wyoming	3.08	3.43	3.26	3.80	3.95	3.91	3.92
<b>Total</b>	<b>4.46</b>	<b>4.13</b>	<b>3.64</b>	<b>3.71</b>	<b>3.99</b>	<b>4.29</b>	<b>4.16</b>

See footnotes at end of table.



**Table 19. Average citygate price, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	3.42	3.62	3.77	3.67	3.90	4.02	3.96
Alaska	6.94	7.02	6.59	6.29	5.83	5.76	5.69
Arizona	4.36	5.06	3.87	3.93	4.01	4.14	4.14
Arkansas	3.79	4.56	5.40	6.30	6.67	6.72	6.85
California	3.66	3.24	2.95	3.09	3.22	3.47	3.55
Colorado	3.44	3.88	3.96	5.10	4.65	5.09	4.68
Connecticut	3.70	3.71	4.22	5.66	5.79	6.08	6.58
Delaware	4.46	5.19	8.31	10.40	10.64	10.42	9.94
District of Columbia	--	--	--	--	--	--	--
Florida	5.60	6.41	6.32	5.62	5.09	5.77	5.16
Georgia	3.91	3.80	4.08	4.23	4.04	4.20	4.28
Hawaii	17.11	18.23	16.69	17.18	17.63	16.17	15.06
Idaho	2.72	2.90	2.24	2.27	2.41	2.47	3.29
Illinois	3.59	3.55	3.46	4.20	4.13	3.76	3.63
Indiana	3.55	3.71	3.68	4.34	4.74	4.97	4.87
Iowa	4.96	3.90	3.71	3.83	3.87	4.08	4.52
Kansas	3.83	4.24	5.08	6.26	5.72	5.39	6.61
Kentucky	3.74	3.84	3.66	3.70	3.41	3.59	3.73
Louisiana	4.06	3.92	3.91	3.84	3.85	3.99	4.37
Maine	7.90	4.99	6.17	5.66	6.09	7.67	5.46
Maryland	4.10	4.27	5.36	6.79	6.83	6.96	7.19
Massachusetts	5.24	4.60	6.28	8.86	9.24	9.61	9.04
Michigan	3.56	3.47	3.35	3.10	3.09	3.10	3.35
Minnesota	5.61	3.72	3.46	3.17	4.33	4.46	4.49
Mississippi	4.03	4.55	4.45	4.49	4.62	4.66	4.78
Missouri	3.73	4.11	5.02	7.09	7.68	7.26	7.15
Montana	3.20	3.22	2.47	2.35	3.41	2.90	3.30
Nebraska	4.74	3.95	3.71	4.63	4.45	4.17	5.07
Nevada	3.47	4.18	3.73	4.01	4.39	4.50	4.52
New Hampshire	6.87	4.82	5.29	8.23	7.41	8.42	5.39
New Jersey	4.08	3.93	3.60	3.71	4.37	4.61	4.73
New Mexico	3.15	3.41	3.22	3.41	3.60	3.59	3.61
New York	3.90	4.17	5.11	7.08	7.11	7.37	7.02
North Carolina	3.02	3.54	4.42	5.09	5.41	5.83	5.87
North Dakota	4.36	4.17	4.23	4.38	4.03	3.92	4.35
Ohio	4.22	3.89	3.57	4.13	3.93	3.89	3.82
Oklahoma	3.96	4.51	4.84	6.16	5.95	5.87	5.90
Oregon	3.44	3.76	3.75	4.69	5.97	5.71	5.08
Pennsylvania	3.64	4.00	4.47	6.06	6.36	6.69	6.67
Rhode Island	2.22	2.20	2.21	2.29	2.34	2.37	2.41
South Carolina	3.81	3.88	3.93	4.13	3.99	4.14	4.25
South Dakota	5.60	4.11	3.80	4.42	4.36	4.40	4.60
Tennessee	3.88	3.98	4.00	4.20	4.17	4.49	4.28
Texas	4.94	5.32	4.96	4.47	4.09	4.19	4.28
Utah	5.76	5.78	4.95	3.85	3.70	3.69	4.90
Vermont	5.07	4.70	4.56	4.48	4.44	4.31	4.74
Virginia	3.92	4.00	4.99	6.26	7.41	7.24	6.71
Washington	3.21	3.32	2.79	3.93	4.78	4.21	4.18
West Virginia	3.52	3.61	3.88	4.89	5.87	5.58	6.37
Wisconsin	3.90	4.25	4.21	4.59	4.55	4.76	5.24
Wyoming	3.83	4.01	3.82	3.45	3.82	3.98	3.79
<b>Total</b>	<b>4.00</b>	<b>3.97</b>	<b>4.03</b>	<b>4.52</b>	<b>4.61</b>	<b>4.73</b>	<b>4.82</b>

See footnotes at end of table.

**Table 19. Average citygate price, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	4.02	3.73	3.66	4.18	4.03
Alaska	6.02	6.96	7.42	7.54	7.99
Arizona	3.75	3.98	4.95	4.71	4.37
Arkansas	5.73	5.83	4.35	4.37	4.17
California	3.38	3.31	3.15	3.59	3.87
Colorado	3.98	3.66	3.65	3.91	3.92
Connecticut	5.85	4.97	3.53	4.45	4.45
Delaware	7.65	6.85	4.26	4.62	4.34
District of Columbia	--	--	--	--	--
Florida	5.24	6.21	5.70	5.96	6.09
Georgia	4.18	4.29	3.72	4.43	4.69
Hawaii	16.46	16.05	17.38	16.20	15.34
Idaho	3.04	2.71	3.31	3.14	3.17
Illinois	3.48	4.15	4.06	3.56	3.95
Indiana	4.28	4.25	3.72	3.89	3.81
Iowa	4.10	4.36	4.08	4.42	4.51
Kansas	5.86	4.81	3.99	4.18	4.24
Kentucky	4.05	4.46	3.83	4.19	4.16
Louisiana	4.08	3.94	3.96	4.37	3.91
Maine	5.00	5.30	5.54	7.58	7.36
Maryland	6.25	6.06	4.05	4.69	4.43
Massachusetts	6.38	5.46	4.06	4.53	4.66
Michigan	3.43	3.78	3.48	3.71	3.84
Minnesota	3.80	3.51	3.77	4.23	4.30
Mississippi	4.59	3.95	3.88	4.20	5.02
Missouri	5.86	5.15	4.07	4.45	4.21
Montana	3.61	3.47	3.54	3.56	3.46
Nebraska	4.20	4.02	3.87	4.71	4.30
Nevada	4.13	4.40	4.05	4.34	4.46
New Hampshire	5.50	4.64	4.37	6.07	6.59
New Jersey	4.56	4.26	4.32	4.48	4.52
New Mexico	3.43	3.31	3.35	3.82	3.93
New York	6.00	4.24	3.27	3.64	3.85
North Carolina	5.28	4.91	3.36	3.72	3.87
North Dakota	3.99	4.11	3.88	4.53	4.58
Ohio	3.80	3.87	3.64	4.08	4.09
Oklahoma	5.44	4.64	4.22	4.26	4.46
Oregon	4.56	3.90	3.59	3.59	3.69
Pennsylvania	5.36	4.85	3.86	4.20	4.07
Rhode Island	2.36	2.30	2.20	2.18	2.12
South Carolina	4.27	4.47	3.98	4.43	4.47
South Dakota	3.77	3.90	3.79	4.38	4.35
Tennessee	4.07	4.40	3.91	4.16	4.24
Texas	4.59	4.43	4.85	5.14	5.28
Utah	4.79	4.78	5.94	5.97	5.37
Vermont	4.69	5.26	4.98	5.69	5.67
Virginia	5.68	5.47	4.03	4.15	3.90
Washington	4.26	3.64	3.04	3.47	3.77
West Virginia	4.87	4.26	3.32	3.68	3.63
Wisconsin	4.24	4.08	3.82	4.39	4.46
Wyoming	3.24	3.71	3.89	4.23	4.27
<b>Total</b>	<b>4.42</b>	<b>4.20</b>	<b>3.84</b>	<b>4.13</b>	<b>4.21</b>

-- Not applicable.

NA Not available.

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

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

**Table 20. Average price of natural gas sold to residential consumers, by state, 2017-2019**  
(dollars per thousand cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	14.18	14.15	14.47	15.52	14.35	13.85	13.78
Alaska	10.40	10.76	9.64	11.06	10.39	10.29	10.14
Arizona	12.05	14.34	13.73	14.28	12.01	11.65	11.66
Arkansas	10.30	10.88	11.66	11.08	9.94	9.84	10.72
California	13.59	12.05	12.75	13.31	13.64	13.43	13.87
Colorado	7.52	6.88	7.40	8.15	7.60	7.52	7.17
Connecticut	13.70	12.57	12.82	15.29	13.72	13.35	13.17
Delaware	10.57	NA	11.17	11.67	10.60	10.07	10.52
District of Columbia	11.96	10.89	11.33	12.87	11.42	11.70	12.23
Florida	19.36	19.12	18.73	21.28	20.73	18.31	18.16
Georgia	12.70	11.95	13.55	15.92	12.46	12.59	11.98
Hawaii	43.37	41.60	37.79	48.74	43.69	42.74	38.92
Idaho	6.11	NA	7.57	6.84	6.09	5.95	5.99
Illinois	7.23	7.02	8.19	8.48	7.10	7.19	6.86
Indiana	7.63	7.51	8.38	9.63	7.54	7.36	7.27
Iowa	7.63	7.75	7.91	8.54	7.79	7.31	7.47
Kansas	NA	9.49	9.68	NA	8.15	7.90	8.31
Kentucky	9.19	9.13	10.43	12.01	8.63	9.18	8.80
Louisiana	9.79	NA	12.01	10.91	9.94	8.74	10.18
Maine	16.06	NA	13.61	16.26	15.76	16.41	15.84
Maryland	11.61	10.58	11.87	14.33	11.45	11.18	11.15
Massachusetts	14.90	NA	13.03	15.25	14.77	14.67	15.06
Michigan	7.61	7.63	7.94	8.49	7.66	7.51	7.31
Minnesota	7.94	NA	8.00	8.07	7.63	7.92	8.12
Mississippi	9.52	8.88	10.68	10.33	9.33	9.25	9.55
Missouri	8.84	8.78	9.54	10.64	8.55	8.42	8.77
Montana	6.61	NA	7.14	6.98	6.44	6.52	6.68
Nebraska	7.50	7.38	7.82	8.28	6.95	7.14	8.15
Nevada	7.79	8.41	7.43	9.93	7.87	7.43	7.26
New Hampshire	15.33	14.42	13.00	14.81	14.66	15.51	16.16
New Jersey	9.29	8.59	8.38	9.23	9.38	9.34	9.21
New Mexico	NA	7.24	8.15	NA	7.18	6.43	6.48
New York	11.63	10.91	10.65	12.10	10.88	11.47	12.24
North Carolina	11.81	10.89	12.71	15.63	10.49	12.53	11.42
North Dakota	6.08	6.05	6.49	6.62	5.80	5.85	6.32
Ohio	7.68	7.23	7.95	9.90	7.44	7.25	7.38
Oklahoma	7.23	7.49	8.83	10.52	7.03	6.96	6.28
Oregon	9.32	10.34	9.93	11.06	9.15	8.46	9.60
Pennsylvania	10.98	10.45	10.31	13.41	10.96	10.54	10.43
Rhode Island	14.68	14.22	12.80	15.14	14.57	14.48	14.70
South Carolina	11.48	NA	13.80	13.86	11.52	11.47	10.76
South Dakota	6.85	NA	7.36	7.17	6.61	6.73	7.01
Tennessee	8.45	8.51	9.28	9.77	8.05	8.38	8.34
Texas	8.52	9.93	11.03	10.51	8.25	8.27	8.19
Utah	7.63	NA	8.78	7.69	7.57	7.72	7.58
Vermont	12.05	12.32	12.67	12.65	11.97	11.77	12.01
Virginia	11.46	10.42	11.03	13.14	11.47	11.45	10.81
Washington	8.84	9.98	10.08	10.11	8.94	8.34	8.75
West Virginia	9.15	9.21	8.48	10.28	9.17	9.00	8.91
Wisconsin	7.24	7.36	7.90	7.33	7.33	7.14	7.23
Wyoming	7.24	7.89	8.15	7.79	7.01	7.25	7.13
<b>Total</b>	<b>9.66</b>	<b>9.49</b>	<b>9.92</b>	<b>10.92</b>	<b>9.48</b>	<b>9.47</b>	<b>9.43</b>

See footnotes at end of table.

**Table 20. Average price of natural gas sold to residential consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2018						
	Total	December	November	October	September	August	July
Alabama	15.15	13.72	15.47	21.79	22.08	21.90	21.93
Alaska	11.00	10.18	10.39	11.02	12.23	13.06	13.77
Arizona	NA	12.28	14.16	18.44	20.97	NA	22.69
Arkansas	11.65	9.93	10.21	16.74	20.97	21.64	21.08
California	NA	13.08	11.93	12.16	12.30	NA	12.36
Colorado	7.67	6.25	6.65	7.93	13.17	14.62	17.23
Connecticut	NA	13.45	13.18	16.50	22.39	23.72	22.33
Delaware	NA	10.84	12.89	20.85	NA	24.29	23.32
District of Columbia	11.78	11.25	12.09	16.83	18.47	19.11	18.51
Florida	21.56	19.63	23.82	27.03	26.09	27.70	26.56
Georgia	14.84	11.68	12.27	23.01	29.61	29.63	27.63
Hawaii	43.48	42.94	43.42	48.05	47.36	43.50	45.44
Idaho	NA	5.91	6.10	6.99	9.31	10.33	10.35
Illinois	8.16	7.30	6.92	9.84	17.47	19.09	18.98
Indiana	NA	8.16	7.77	10.65	NA	19.42	20.19
Iowa	8.93	8.37	8.72	12.29	18.67	18.83	19.70
Kansas	NA	NA	7.73	12.32	18.83	22.58	21.99
Kentucky	NA	9.07	9.08	13.51	NA	24.87	25.01
Louisiana	NA	9.85	11.76	16.90	16.62	17.41	16.97
Maine	NA	16.80	14.52	15.73	23.71	24.72	25.84
Maryland	11.75	11.78	11.13	14.17	20.80	21.01	19.57
Massachusetts	NA	15.16	13.40	13.28	16.02	16.56	15.82
Michigan	8.19	7.78	7.43	8.25	12.34	13.39	13.52
Minnesota	NA	8.72	7.88	8.85	12.31	14.97	15.40
Mississippi	10.22	9.52	10.38	16.41	16.67	17.72	17.53
Missouri	10.26	9.16	9.76	16.75	23.40	24.89	24.11
Montana	NA	6.72	6.97	7.76	10.50	11.60	10.20
Nebraska	8.52	8.23	8.67	11.39	17.45	17.79	15.56
Nevada	9.24	7.46	8.49	11.01	13.47	14.46	13.86
New Hampshire	15.35	15.45	14.83	18.70	22.78	22.73	21.07
New Jersey	9.11	9.14	9.51	9.91	12.05	12.66	12.11
New Mexico	NA	7.65	NA	10.65	13.45	13.09	12.79
New York	12.38	11.66	12.18	17.16	20.16	20.83	20.11
North Carolina	NA	11.03	10.82	17.24	NA	NA	NA
North Dakota	7.20	6.48	6.59	8.21	17.48	21.42	20.79
Ohio	9.14	8.00	8.27	12.62	25.54	27.80	26.49
Oklahoma	9.22	6.28	9.24	19.57	25.14	26.63	25.69
Oregon	10.81	9.83	9.79	11.33	14.07	16.88	15.10
Pennsylvania	NA	NA	10.32	13.23	19.34	20.44	19.76
Rhode Island	NA	14.87	16.25	20.36	NA	NA	27.60
South Carolina	NA	10.89	10.59	20.65	27.98	26.56	29.36
South Dakota	NA	7.31	7.92	8.88	15.04	15.86	14.73
Tennessee	NA	8.25	8.77	14.77	18.96	NA	19.68
Texas	NA	8.69	10.75	16.96	22.08	NA	21.64
Utah	NA	7.58	7.50	8.67	10.23	10.44	10.24
Vermont	13.41	12.24	13.27	16.70	21.78	23.26	21.61
Virginia	11.67	11.33	11.89	15.93	19.64	20.61	20.51
Washington	10.28	8.73	9.10	10.60	13.27	15.81	14.98
West Virginia	NA	8.96	9.22	10.96	17.79	18.80	18.19
Wisconsin	8.05	8.25	7.53	7.89	12.55	14.53	14.06
Wyoming	8.65	7.04	7.98	10.49	16.79	17.45	16.08
<b>Total</b>	<b>10.52</b>	<b>9.63</b>	<b>9.43</b>	<b>12.26</b>	<b>17.31</b>	<b>18.63</b>	<b>17.92</b>

See footnotes at end of table.

**Table 20. Average price of natural gas sold to residential consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	21.00	17.27	15.07	15.29	14.15	13.38	16.11
Alaska	12.73	11.85	11.29	10.77	10.62	10.59	10.52
Arizona	21.27	19.20	16.78	14.22	13.97	13.76	15.78
Arkansas	19.74	14.02	11.47	12.06	10.82	10.08	12.97
California	12.14	12.42	11.60	12.26	12.09	12.11	12.49
Colorado	14.43	10.47	7.39	7.31	6.61	6.60	8.08
Connecticut	19.93	NA	13.17	12.75	12.69	12.02	13.95
Delaware	20.31	14.91	12.22	11.64	11.84	NA	12.84
District of Columbia	14.51	12.42	10.79	11.32	11.32	10.31	12.53
Florida	24.53	23.12	20.48	20.07	18.77	18.08	21.15
Georgia	27.65	21.53	14.10	13.01	12.42	10.55	16.93
Hawaii	41.62	44.49	42.51	42.16	42.05	39.90	38.88
Idaho	9.55	9.17	7.70	7.08	NA	7.33	7.65
Illinois	15.17	12.61	7.57	7.25	6.91	6.66	8.83
Indiana	18.83	15.37	8.06	7.55	7.99	6.90	8.94
Iowa	15.09	10.94	7.89	8.11	7.84	7.35	9.30
Kansas	18.46	15.31	11.90	10.05	8.90	8.70	10.95
Kentucky	24.49	18.47	9.65	9.21	9.68	8.53	11.62
Louisiana	15.97	13.37	12.33	NA	9.92	8.72	13.04
Maine	20.22	17.01	15.58	NA	16.46	14.65	14.61
Maryland	18.38	14.33	10.31	9.79	11.85	10.40	12.97
Massachusetts	14.57	16.69	17.69	NA	16.21	14.22	13.32
Michigan	13.49	11.94	7.93	7.60	7.74	7.41	8.38
Minnesota	12.97	NA	7.75	NA	8.72	7.84	8.47
Mississippi	16.68	12.91	9.99	10.78	9.08	7.68	11.83
Missouri	22.21	13.57	9.69	9.42	8.56	8.11	11.78
Montana	9.11	7.71	7.11	NA	6.95	7.00	7.62
Nebraska	15.72	10.00	7.71	7.72	7.42	6.94	9.01
Nevada	12.72	11.55	9.92	8.24	8.15	8.12	8.82
New Hampshire	17.88	16.60	15.68	15.51	13.93	13.28	14.55
New Jersey	11.30	9.26	7.74	8.76	8.63	8.87	9.14
New Mexico	11.23	9.32	7.94	7.28	7.06	7.08	9.22
New York	19.32	14.20	11.29	12.10	11.23	9.51	12.04
North Carolina	NA	20.40	13.12	10.40	13.44	9.72	13.29
North Dakota	15.45	8.71	6.49	6.09	5.95	5.85	7.64
Ohio	25.45	14.97	8.10	7.30	7.61	6.45	9.72
Oklahoma	22.84	12.34	9.00	7.97	7.37	6.72	11.40
Oregon	14.21	13.66	11.10	9.85	9.81	10.85	10.59
Pennsylvania	17.96	14.14	10.80	10.45	10.86	10.02	11.40
Rhode Island	20.69	17.80	16.34	14.83	13.45	13.13	14.02
South Carolina	NA	NA	13.49	10.57	15.91	NA	14.57
South Dakota	11.80	8.05	6.98	NA	6.89	6.86	8.18
Tennessee	18.42	11.80	9.10	9.03	8.74	7.89	10.31
Texas	20.20	16.22	12.92	11.17	9.61	8.84	13.61
Utah	10.26	9.44	NA	NA	10.08	9.40	9.05
Vermont	18.72	14.02	12.31	12.93	11.80	12.37	14.12
Virginia	18.27	14.22	10.95	9.38	11.63	10.04	12.34
Washington	13.36	12.99	10.34	9.93	9.62	10.18	10.62
West Virginia	17.75	NA	9.63	9.27	9.27	8.94	9.43
Wisconsin	12.39	10.22	6.93	7.33	7.65	7.38	8.40
Wyoming	13.01	9.55	8.45	7.82	7.80	7.65	9.01
<b>Total</b>	<b>16.51</b>	<b>13.64</b>	<b>10.04</b>	<b>9.78</b>	<b>9.64</b>	<b>8.91</b>	<b>10.91</b>

See footnotes at end of table.

**Table 20. Average price of natural gas sold to residential consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	14.72	16.97	22.17	22.63	22.97	22.15	21.14
Alaska	10.66	10.65	11.17	12.13	13.39	13.72	12.79
Arizona	14.43	17.54	20.10	22.25	23.41	22.74	20.48
Arkansas	11.81	12.80	19.52	20.36	21.39	20.16	18.25
California	11.76	11.41	12.10	12.28	12.53	12.55	13.14
Colorado	6.84	7.39	8.44	12.16	13.78	14.70	12.67
Connecticut	11.94	13.42	19.83	21.74	22.65	22.04	18.83
Delaware	12.44	14.34	22.06	22.02	24.65	22.84	18.85
District of Columbia	10.47	13.14	18.88	19.33	21.24	18.15	16.92
Florida	19.69	22.42	24.92	24.47	26.57	25.36	24.01
Georgia	11.23	14.39	22.07	31.00	32.32	32.42	29.52
Hawaii	39.57	39.91	39.77	39.98	40.28	39.99	37.63
Idaho	6.82	7.15	7.43	9.46	10.87	11.26	10.46
Illinois	6.81	7.47	10.49	16.81	17.86	16.90	15.32
Indiana	6.56	7.77	10.47	17.64	20.65	20.06	19.15
Iowa	8.52	9.68	13.37	18.63	17.36	17.65	14.96
Kansas	9.02	8.98	14.20	21.05	22.57	21.69	19.45
Kentucky	9.03	10.65	14.80	22.54	24.81	24.49	23.98
Louisiana	10.76	13.25	16.52	16.49	17.30	16.44	15.43
Maine	13.59	14.14	18.92	23.14	24.48	23.45	17.86
Maryland	11.46	12.12	18.42	20.14	21.61	20.23	18.91
Massachusetts	13.78	12.74	12.26	15.45	15.95	15.46	13.48
Michigan	7.30	7.66	9.50	12.19	13.79	14.46	13.24
Minnesota	7.91	7.73	8.93	11.95	13.40	13.36	12.48
Mississippi	9.72	11.40	16.62	18.00	18.07	17.37	16.11
Missouri	9.87	12.26	22.34	25.33	27.73	26.50	21.51
Montana	7.42	7.47	8.21	10.53	11.64	10.99	9.59
Nebraska	7.91	8.69	14.15	17.19	17.53	16.79	14.15
Nevada	8.26	9.97	11.06	12.81	14.10	13.23	11.62
New Hampshire	14.36	16.92	22.75	24.80	25.25	22.46	16.35
New Jersey	9.53	10.00	11.24	11.55	12.08	11.86	10.28
New Mexico	8.05	9.02	12.87	14.89	15.78	15.10	12.74
New York	10.52	13.07	17.16	18.12	19.05	19.13	16.28
North Carolina	10.70	11.93	19.66	22.88	23.14	22.49	23.15
North Dakota	6.05	6.47	9.09	15.60	20.47	21.82	19.59
Ohio	7.02	8.78	15.19	23.38	27.28	26.34	23.63
Oklahoma	8.65	11.14	24.54	26.70	29.06	25.92	21.84
Oregon	9.77	10.43	11.18	14.68	16.69	15.42	14.30
Pennsylvania	10.38	11.33	16.27	17.48	20.04	19.34	16.79
Rhode Island	14.01	15.34	19.30	19.93	20.19	19.15	16.38
South Carolina	11.48	12.83	19.35	25.03	26.44	24.68	24.33
South Dakota	7.55	7.66	11.01	14.40	14.62	14.52	12.01
Tennessee	8.66	10.32	16.00	17.18	19.34	18.74	16.89
Texas	11.91	14.66	20.64	21.76	23.39	20.93	18.54
Utah	9.76	9.14	8.22	10.38	11.21	10.88	9.56
Vermont	13.22	15.43	19.84	21.13	22.39	21.62	18.03
Virginia	10.54	11.89	20.00	20.71	22.04	20.79	18.59
Washington	9.66	10.22	10.92	13.81	16.05	15.38	14.64
West Virginia	9.00	9.41	11.26	14.16	17.51	18.81	14.75
Wisconsin	7.51	7.87	9.12	13.59	14.31	15.03	12.99
Wyoming	7.97	8.45	9.55	15.05	17.86	17.26	12.41
<b>Total</b>	<b>9.29</b>	<b>10.15</b>	<b>13.36</b>	<b>16.92</b>	<b>18.22</b>	<b>17.86</b>	<b>16.06</b>

See footnotes at end of table.

**Table 20. Average price of natural gas sold to residential consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	20.57	16.19	14.51	14.69	13.50
Alaska	11.00	10.23	9.58	9.61	9.44
Arizona	18.19	16.82	15.32	12.66	12.70
Arkansas	15.66	14.02	12.52	11.81	10.40
California	12.96	12.51	12.41	12.65	13.10
Colorado	9.17	8.04	7.92	7.44	6.86
Connecticut	16.62	13.81	12.30	13.18	12.39
Delaware	16.02	12.07	11.34	11.04	10.65
District of Columbia	16.24	12.27	11.67	10.92	10.93
Florida	22.19	19.77	19.42	18.38	17.71
Georgia	27.26	18.21	13.69	13.57	11.84
Hawaii	39.21	38.06	38.69	37.91	36.66
Idaho	8.32	8.02	8.08	7.53	7.23
Illinois	11.11	10.22	7.95	8.39	7.58
Indiana	11.89	11.67	7.74	8.64	7.68
Iowa	10.83	8.95	7.71	7.98	7.62
Kansas	18.15	12.84	10.01	9.83	8.50
Kentucky	18.07	13.70	10.39	10.88	9.23
Louisiana	14.89	13.56	12.71	12.30	10.89
Maine	14.97	14.11	13.03	13.70	13.71
Maryland	16.53	14.62	10.86	12.26	11.35
Massachusetts	13.63	13.22	12.90	13.11	12.91
Michigan	9.89	9.22	7.77	7.98	7.59
Minnesota	9.69	8.44	7.63	8.06	8.05
Mississippi	15.02	12.82	10.64	10.67	10.02
Missouri	15.45	12.35	10.48	9.32	8.27
Montana	8.08	7.51	7.38	7.29	6.73
Nebraska	10.36	8.70	7.87	7.93	7.38
Nevada	10.63	8.99	7.76	7.10	6.96
New Hampshire	14.31	12.22	12.75	13.60	13.26
New Jersey	9.66	8.31	8.65	8.16	8.36
New Mexico	10.44	9.03	8.07	8.16	7.86
New York	14.45	11.10	10.81	11.04	9.86
North Carolina	19.75	17.86	11.65	13.82	11.72
North Dakota	13.01	7.59	6.46	6.79	5.93
Ohio	14.49	10.25	7.73	8.15	7.13
Oklahoma	15.91	13.17	10.28	8.78	7.13
Oregon	12.23	10.98	10.67	9.89	9.16
Pennsylvania	13.12	11.68	10.33	10.32	9.70
Rhode Island	15.11	13.18	12.79	12.72	12.58
South Carolina	21.98	17.13	11.79	15.05	13.40
South Dakota	9.06	7.73	7.46	7.80	6.89
Tennessee	14.15	10.96	9.62	9.29	8.55
Texas	17.09	15.59	12.25	10.61	9.56
Utah	8.35	9.15	9.18	8.78	8.40
Vermont	15.03	12.94	12.53	12.47	12.79
Virginia	17.62	13.56	10.54	11.78	9.99
Washington	12.02	10.66	10.24	10.04	9.75
West Virginia	11.56	9.55	8.47	8.39	8.19
Wisconsin	8.98	9.03	7.49	7.56	8.05
Wyoming	10.07	9.32	8.51	8.09	7.51
<b>Total</b>	<b>13.26</b>	<b>11.34</b>	<b>9.86</b>	<b>10.01</b>	<b>9.32</b>

<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, 2017-2019**  
(dollars per thousand cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	11.50	11.82	11.47	11.78	11.51	11.43	11.39
Alaska	NA	9.91	9.19	NA	NA	9.20	9.36
Arizona	7.34	9.18	8.61	7.36	7.27	7.38	7.36
Arkansas	7.72	8.01	8.01	7.80	7.60	7.62	7.88
California	10.10	8.79	9.35	9.50	10.48	9.88	10.39
Colorado	6.98	6.38	6.83	7.08	7.10	7.04	6.76
Connecticut	9.50	8.28	8.88	10.48	9.44	9.35	9.11
Delaware	NA	NA	9.65	9.64	NA	9.17	9.09
District of Columbia	11.33	NA	10.51	11.83	11.02	11.14	11.52
Florida	NA	11.62	10.85	NA	11.50	11.58	NA
Georgia	8.43	7.90	8.66	8.13	7.77	7.91	9.33
Hawaii	30.39	30.73	26.93	34.63	30.95	29.57	26.65
Idaho	NA	NA	6.64	5.62	5.29	NA	5.31
Illinois	6.60	6.41	7.42	7.54	6.38	6.64	6.36
Indiana	6.61	6.81	7.47	7.82	6.46	6.44	6.47
Iowa	6.20	NA	6.39	6.13	6.30	5.96	6.37
Kansas	NA	8.52	8.83	NA	7.23	7.16	7.74
Kentucky	7.91	7.78	8.52	9.45	7.55	7.88	7.71
Louisiana	8.44	NA	9.23	8.20	8.24	8.02	9.16
Maine	13.60	NA	11.24	13.13	13.29	13.95	13.79
Maryland	9.80	9.02	9.83	11.89	9.38	10.36	9.09
Massachusetts	12.19	NA	10.13	12.18	12.21	12.01	12.37
Michigan	6.61	6.62	6.83	7.05	6.62	6.55	6.46
Minnesota	6.98	NA	6.83	6.59	6.62	7.19	7.25
Mississippi	8.79	NA	8.95	8.51	8.57	8.77	9.13
Missouri	7.18	7.43	7.68	7.44	7.12	6.97	7.35
Montana	6.48	NA	7.04	6.76	6.34	6.37	6.57
Nebraska	6.37	6.25	6.33	5.95	5.87	6.36	7.18
Nevada	5.46	6.29	5.13	6.19	5.36	5.24	5.38
New Hampshire	12.33	12.24	10.97	11.75	11.77	12.56	13.03
New Jersey	9.15	8.83	9.08	7.86	9.00	9.14	9.85
New Mexico	NA	5.62	6.28	NA	5.27	5.04	5.16
New York	NA	7.56	7.12	7.22	7.52	7.94	NA
North Carolina	8.77	7.65	9.06	9.35	7.69	9.53	8.83
North Dakota	5.71	5.72	5.86	5.41	5.46	5.70	6.15
Ohio	5.86	5.56	6.02	5.87	5.67	5.78	6.09
Oklahoma	6.08	6.22	6.95	8.46	6.02	5.90	5.28
Oregon	7.75	8.57	8.50	8.23	7.70	7.39	7.93
Pennsylvania	9.22	9.14	8.70	10.00	9.37	9.22	8.76
Rhode Island	12.25	11.84	10.36	12.44	12.21	12.13	12.30
South Carolina	8.77	NA	9.69	8.57	8.33	8.97	9.05
South Dakota	5.46	NA	5.94	5.24	5.20	5.45	5.83
Tennessee	7.88	8.11	8.50	7.93	7.53	8.14	7.90
Texas	5.96	7.09	7.42	5.88	5.83	6.01	6.07
Utah	6.42	8.01	7.46	6.27	6.42	6.50	6.41
Vermont	6.73	7.25	7.67	6.68	6.57	6.65	6.98
Virginia	8.46	7.85	7.71	9.04	8.10	8.59	8.39
Washington	6.79	NA	8.17	7.34	6.74	6.61	6.73
West Virginia	7.72	7.79	7.11	8.31	7.69	7.69	7.56
Wisconsin	6.33	6.34	6.72	5.79	6.33	6.40	6.49
Wyoming	6.01	6.76	6.84	6.05	5.86	6.10	6.05
<b>Total</b>	<b>7.64</b>	<b>7.65</b>	<b>7.76</b>	<b>7.77</b>	<b>7.47</b>	<b>7.61</b>	<b>7.75</b>

See footnotes at end of table.



**Table 21. Average price of natural gas sold to commercial consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State							2018
	Total	December	November	October	September	August	July
Alabama	11.92	11.43	11.73	12.34	12.42	12.50	12.52
Alaska	9.97	9.30	9.58	9.87	10.60	10.84	11.43
Arizona	NA	7.65	8.00	8.52	NA	NA	9.14
Arkansas	8.06	7.57	7.60	7.88	8.65	9.08	8.98
California	NA	10.07	NA	7.63	8.40	NA	8.35
Colorado	NA	5.98	6.20	6.74	9.20	NA	10.72
Connecticut	9.20	9.22	8.84	10.16	11.04	10.73	11.07
Delaware	NA	8.61	NA	13.16	NA	13.66	NA
District of Columbia	NA	10.87	11.14	10.61	10.79	10.62	10.65
Florida	NA	11.19	11.49	11.25	12.02	NA	11.54
Georgia	8.07	7.36	8.04	8.56	9.03	8.76	9.31
Hawaii	31.16	28.99	30.65	33.41	32.51	29.91	31.69
Idaho	NA	5.27	5.35	5.44	6.39	6.64	6.86
Illinois	7.25	6.61	6.42	8.18	12.72	13.52	14.15
Indiana	NA	7.14	6.90	7.24	NA	10.68	11.68
Iowa	NA	7.17	6.91	6.88	NA	8.76	8.98
Kansas	8.71	7.59	6.94	9.01	12.50	12.97	13.32
Kentucky	8.39	7.79	7.69	9.38	10.67	12.36	12.70
Louisiana	NA	8.76	8.50	8.68	8.05	8.15	8.39
Maine	NA	14.40	12.06	11.06	12.61	13.57	13.50
Maryland	NA	9.61	9.28	NA	NA	10.63	9.90
Massachusetts	NA	12.59	10.48	9.23	10.53	10.65	10.31
Michigan	NA	6.81	6.50	7.08	8.87	9.10	NA
Minnesota	NA	NA	6.65	6.02	7.54	8.46	8.51
Mississippi	NA	9.11	8.79	8.75	7.77	8.19	8.45
Missouri	7.85	7.49	8.02	9.54	10.00	10.33	10.30
Montana	NA	6.53	6.68	7.27	9.11	9.31	9.03
Nebraska	6.39	7.03	6.48	6.41	6.86	6.82	6.51
Nevada	6.34	5.53	5.74	6.42	7.02	7.20	7.22
New Hampshire	12.72	12.77	11.71	13.97	16.90	16.76	16.42
New Jersey	NA	9.91	9.27	8.45	9.33	9.37	NA
New Mexico	NA	6.10	NA	6.07	6.18	5.95	6.71
New York	7.39	7.79	7.05	6.93	6.74	6.86	7.05
North Carolina	NA	8.60	8.38	8.35	NA	NA	10.02
North Dakota	NA	6.17	5.77	5.65	7.05	7.37	7.40
Ohio	5.99	6.13	5.85	6.40	7.54	7.77	7.97
Oklahoma	7.07	5.19	7.30	12.40	14.15	13.82	14.52
Oregon	8.63	8.04	8.07	8.67	9.39	10.11	9.72
Pennsylvania	9.42	8.94	8.77	9.97	10.94	11.96	12.33
Rhode Island	12.98	12.42	14.07	17.84	19.23	18.98	18.44
South Carolina	NA	NA	8.52	9.15	9.12	8.87	9.35
South Dakota	NA	6.07	6.18	6.02	7.51	7.84	7.60
Tennessee	8.35	7.98	7.77	8.89	9.73	10.18	9.98
Texas	7.21	6.33	6.50	7.46	8.05	8.27	8.21
Utah	7.37	6.38	6.08	6.27	6.61	6.70	6.62
Vermont	6.65	7.27	6.55	5.71	5.52	5.34	5.56
Virginia	8.14	8.43	8.13	8.29	8.98	8.58	8.90
Washington	NA	6.81	6.90	7.82	8.53	NA	9.31
West Virginia	8.09	7.63	7.73	8.55	10.20	9.97	10.36
Wisconsin	6.42	7.16	6.43	5.67	6.43	6.87	6.54
Wyoming	6.62	5.75	6.09	6.75	7.32	7.18	6.99
<b>Total</b>	<b>7.83</b>	<b>7.77</b>	<b>7.35</b>	<b>7.71</b>	<b>8.64</b>	<b>8.74</b>	<b>8.93</b>

See footnotes at end of table.

**Table 21. Average price of natural gas sold to commercial consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	12.43	12.18	12.33	11.93	11.87	11.47	12.03
Alaska	10.84	10.51	10.16	9.89	9.88	9.82	9.79
Arizona	9.38	9.44	9.23	9.16	9.13	9.20	8.97
Arkansas	9.07	8.45	7.91	8.44	8.03	7.80	8.34
California	7.76	7.76	7.99	8.91	9.16	8.93	8.76
Colorado	8.95	8.34	6.42	6.74	6.20	6.26	7.17
Connecticut	11.37	11.38	8.58	8.44	8.37	7.91	9.30
Delaware	NA	11.25	10.22	NA	10.03	NA	10.37
District of Columbia	9.20	10.16	10.24	NA	11.10	9.87	10.87
Florida	11.69	11.52	11.44	11.34	11.88	11.74	10.97
Georgia	9.00	8.54	8.46	7.90	8.00	7.64	8.78
Hawaii	30.90	33.05	31.93	30.74	32.37	28.30	27.41
Idaho	NA	6.89	6.47	6.18	NA	6.52	6.62
Illinois	12.29	10.72	6.78	6.54	6.34	6.18	7.78
Indiana	10.71	11.07	7.01	6.77	7.34	6.36	7.52
Iowa	7.92	7.06	6.16	6.48	NA	6.21	6.87
Kansas	12.31	11.81	9.81	9.15	8.19	7.95	9.36
Kentucky	12.85	10.86	8.03	8.06	7.99	7.38	9.06
Louisiana	8.50	8.37	8.56	NA	8.89	8.47	8.99
Maine	12.13	12.12	12.74	12.94	NA	12.68	11.33
Maryland	11.28	10.32	8.97	8.32	10.11	8.82	10.27
Massachusetts	9.99	13.29	14.99	NA	12.94	11.60	10.16
Michigan	9.12	8.18	6.70	6.61	6.77	6.48	7.02
Minnesota	7.94	NA	6.26	NA	7.56	6.82	6.80
Mississippi	8.23	8.55	8.07	NA	8.42	7.61	8.82
Missouri	9.96	7.87	7.72	7.66	7.21	7.31	8.44
Montana	8.49	7.43	6.94	NA	6.81	6.95	7.42
Nebraska	6.40	5.66	5.87	6.44	6.52	6.09	6.37
Nevada	7.19	6.91	6.59	6.23	6.23	6.21	5.71
New Hampshire	13.77	13.76	13.50	13.25	11.84	11.15	11.71
New Jersey	9.12	8.34	7.33	9.22	9.42	8.92	9.14
New Mexico	5.12	5.04	5.46	5.64	5.59	5.71	6.59
New York	7.21	7.41	7.23	7.90	7.89	7.25	6.87
North Carolina	NA	9.44	8.49	7.32	8.10	7.40	8.92
North Dakota	6.64	NA	5.41	5.59	5.76	5.98	6.00
Ohio	7.24	6.72	5.64	5.53	5.66	5.46	6.11
Oklahoma	11.82	8.52	7.23	6.40	6.17	5.79	8.44
Oregon	9.46	9.38	8.90	8.29	8.14	9.03	8.74
Pennsylvania	11.80	10.91	9.68	8.96	9.47	8.80	9.16
Rhode Island	16.76	14.43	13.64	12.55	11.15	10.88	11.30
South Carolina	9.06	8.67	8.79	8.50	10.25	NA	9.30
South Dakota	6.55	NA	5.46	NA	5.60	5.85	6.26
Tennessee	9.48	8.49	7.89	8.19	8.31	8.01	8.74
Texas	7.93	7.79	7.38	7.35	7.12	6.77	7.71
Utah	6.95	7.16	7.68	7.78	8.47	8.02	7.40
Vermont	5.27	6.01	6.54	6.88	7.48	7.80	7.04
Virginia	8.68	8.62	8.06	7.36	8.79	7.53	7.99
Washington	NA	8.50	NA	7.94	8.07	8.30	8.30
West Virginia	10.44	9.60	8.00	7.79	7.89	7.63	7.65
Wisconsin	5.82	6.00	5.65	6.22	6.73	6.48	6.60
Wyoming	7.04	6.92	6.95	6.69	6.77	6.68	6.92
<b>Total</b>	<b>8.65</b>	<b>8.46</b>	<b>7.66</b>	<b>7.74</b>	<b>7.82</b>	<b>7.43</b>	<b>7.88</b>

See footnotes at end of table.

**Table 21. Average price of natural gas sold to commercial consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	11.83	12.18	12.61	12.97	13.08	13.11	12.80
Alaska	9.89	10.00	10.33	11.00	11.50	11.62	11.02
Arizona	9.17	9.44	9.40	9.35	9.50	9.22	9.03
Arkansas	8.33	8.55	8.61	8.68	9.24	9.27	9.16
California	8.64	8.00	7.78	7.95	8.31	8.40	8.74
Colorado	6.62	6.87	7.25	9.22	9.16	9.53	9.01
Connecticut	7.96	8.71	10.64	10.73	11.16	10.98	10.69
Delaware	10.35	10.88	12.52	11.82	13.39	12.79	11.67
District of Columbia	10.10	11.03	11.17	11.37	12.14	12.26	12.26
Florida	10.90	11.17	11.15	11.06	11.09	10.97	11.06
Georgia	8.13	8.53	9.02	9.33	9.71	9.37	9.80
Hawaii	28.25	28.45	27.38	28.06	28.56	27.37	26.30
Idaho	6.22	6.30	6.28	7.16	7.18	7.63	7.47
Illinois	6.16	6.59	7.90	12.09	13.60	12.43	12.52
Indiana	5.93	6.78	7.28	9.96	11.61	11.35	11.47
Iowa	6.96	6.51	6.52	9.05	9.29	9.56	8.98
Kansas	8.24	7.99	9.97	13.94	13.17	13.40	12.88
Kentucky	7.75	8.71	10.16	11.83	12.81	11.99	12.54
Louisiana	9.00	8.84	8.71	8.77	8.75	8.80	8.85
Maine	11.35	10.75	11.58	12.33	12.77	13.06	11.42
Maryland	9.39	9.84	12.05	12.59	12.49	11.30	12.16
Massachusetts	10.86	9.79	8.71	10.12	10.35	10.37	9.36
Michigan	6.40	6.61	7.57	8.47	9.65	9.15	9.00
Minnesota	6.53	6.23	6.48	7.44	8.08	7.72	8.10
Mississippi	8.58	8.73	8.59	9.24	8.69	8.69	8.47
Missouri	8.16	9.18	10.55	10.65	11.19	11.00	9.78
Montana	7.39	7.24	7.72	8.82	9.67	9.64	8.84
Nebraska	6.19	6.10	6.48	6.78	6.93	7.08	6.54
Nevada	6.06	6.40	6.48	6.50	6.75	6.40	5.90
New Hampshire	11.83	12.78	15.10	16.06	16.06	15.28	12.45
New Jersey	9.27	9.47	9.12	8.66	9.47	9.84	8.98
New Mexico	6.19	7.25	7.60	7.41	7.43	7.56	7.08
New York	6.93	6.64	6.50	6.02	5.95	6.64	6.87
North Carolina	8.11	8.54	8.83	9.05	8.88	8.63	9.94
North Dakota	5.89	5.67	5.93	6.48	7.15	7.65	7.57
Ohio	5.31	5.48	6.54	7.44	7.81	7.75	7.75
Oklahoma	6.89	8.63	14.71	15.16	16.05	14.86	13.30
Oregon	8.28	8.57	8.84	9.84	10.44	10.05	10.19
Pennsylvania	8.74	8.79	10.34	11.10	11.53	11.94	11.60
Rhode Island	11.35	12.45	15.04	15.45	15.73	15.38	13.10
South Carolina	9.45	9.30	8.56	9.05	8.86	9.04	8.95
South Dakota	6.74	5.97	5.96	7.51	7.68	7.63	7.41
Tennessee	8.24	8.80	9.47	9.38	9.65	9.56	9.41
Texas	7.78	7.72	8.22	8.35	8.37	8.19	7.70
Utah	8.26	7.34	6.44	7.07	7.40	7.28	6.83
Vermont	7.19	6.17	6.07	6.04	6.06	6.29	6.12
Virginia	7.57	7.89	8.42	8.59	9.00	8.76	9.18
Washington	7.93	8.15	8.35	9.15	9.86	9.48	9.40
West Virginia	7.66	7.86	8.56	8.93	9.37	9.54	9.48
Wisconsin	6.54	6.49	5.84	6.92	6.85	7.02	6.68
Wyoming	6.61	6.74	6.96	7.41	7.45	7.65	7.41
<b>Total</b>	<b>7.42</b>	<b>7.51</b>	<b>7.97</b>	<b>8.52</b>	<b>8.76</b>	<b>8.81</b>	<b>8.75</b>

See footnotes at end of table.

**Table 21. Average price of natural gas sold to commercial consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	12.73	12.18	11.49	11.36	11.15
Alaska	9.75	9.40	9.12	9.18	9.16
Arizona	8.96	9.10	8.94	8.33	8.29
Arkansas	8.79	8.56	8.25	8.13	7.59
California	8.68	8.81	9.47	9.34	9.60
Colorado	7.28	6.98	7.10	6.92	6.57
Connecticut	10.74	9.24	8.33	9.51	8.61
Delaware	10.95	9.94	9.76	9.61	9.44
District of Columbia	11.58	11.06	11.06	10.66	9.47
Florida	11.00	10.86	10.93	11.04	10.58
Georgia	9.39	9.11	8.55	8.86	8.40
Hawaii	26.98	26.98	27.41	27.16	26.22
Idaho	7.14	7.18	6.96	6.62	6.36
Illinois	11.00	9.14	7.25	7.59	6.90
Indiana	9.05	9.61	6.87	7.72	7.07
Iowa	7.77	6.84	6.12	6.40	6.41
Kansas	12.74	9.98	9.14	8.99	8.21
Kentucky	11.28	10.29	8.61	8.81	7.71
Louisiana	8.83	8.69	9.08	9.41	9.55
Maine	10.94	11.23	10.83	11.34	11.55
Maryland	11.76	11.48	9.18	9.98	9.54
Massachusetts	10.21	10.27	10.04	10.20	10.05
Michigan	7.92	7.31	6.80	6.86	6.65
Minnesota	7.04	6.80	6.36	6.94	7.08
Mississippi	8.84	8.93	8.68	9.09	9.03
Missouri	8.99	8.36	8.12	7.60	7.24
Montana	7.82	7.26	7.20	7.24	6.70
Nebraska	6.59	5.94	6.30	6.61	6.29
Nevada	5.85	5.38	5.14	5.02	5.09
New Hampshire	11.49	10.15	10.63	11.68	11.26
New Jersey	8.83	7.91	9.04	9.06	9.68
New Mexico	6.56	6.17	6.07	6.51	6.28
New York	6.90	6.99	7.14	7.51	6.82
North Carolina	10.69	10.16	8.35	9.88	8.67
North Dakota	6.52	5.68	5.67	6.32	5.74
Ohio	6.78	6.18	5.86	6.10	6.03
Oklahoma	11.40	9.56	7.91	6.88	5.94
Oregon	9.37	9.04	8.90	8.45	8.10
Pennsylvania	10.56	9.47	8.89	8.58	8.32
Rhode Island	12.02	10.63	10.42	10.45	10.02
South Carolina	8.64	9.66	8.59	10.15	10.31
South Dakota	6.26	5.83	5.77	6.43	5.77
Tennessee	9.13	8.76	8.50	8.56	8.33
Texas	7.57	7.62	7.19	7.51	7.40
Utah	6.51	7.47	7.71	7.48	7.29
Vermont	6.94	7.57	7.35	7.61	8.08
Virginia	9.07	8.05	7.19	8.45	7.44
Washington	7.68	8.27	8.22	8.22	8.03
West Virginia	8.28	7.71	7.09	7.02	6.97
Wisconsin	6.06	6.93	6.37	6.47	7.05
Wyoming	7.13	7.10	6.96	6.97	6.56
<b>Total</b>	<b>8.31</b>	<b>8.04</b>	<b>7.68</b>	<b>7.89</b>	<b>7.58</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, 2017-2019**  
(dollars per thousand cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	4.24	4.38	4.53	3.86	4.12	4.29	4.63
Alaska	6.04	5.41	5.05	5.67	6.10	6.18	6.09
Arizona	5.12	NA	6.09	4.85	5.08	5.29	5.24
Arkansas	6.63	6.82	6.70	6.30	6.61	6.66	6.87
California	8.68	7.21	7.85	7.88	9.03	8.64	9.15
Colorado	5.81	5.09	5.41	5.46	5.76	6.07	5.78
Connecticut	7.33	6.52	7.06	7.40	7.52	7.22	7.20
Delaware	9.41	10.05	9.16	10.24	9.12	9.23	9.47
District of Columbia	--	--	--	--	--	--	--
Florida	6.29	6.61	6.27	5.49	6.32	6.45	6.90
Georgia	4.80	4.65	4.90	4.44	4.50	4.84	5.38
Hawaii	20.78	21.40	19.09	22.20	20.85	20.51	19.59
Idaho	3.61	4.16	4.55	3.60	3.64	3.62	3.57
Illinois	NA	NA	6.09	6.14	NA	5.28	5.39
Indiana	5.82	6.06	6.04	5.92	5.75	5.72	5.94
Iowa	5.17	NA	5.03	4.71	5.32	5.11	5.40
Kansas	6.04	5.11	5.42	5.06	5.91	6.56	7.09
Kentucky	4.52	NA	4.71	4.03	3.81	5.26	5.16
Louisiana	4.12	3.44	3.95	3.41	3.59	4.30	5.07
Maine	10.92	11.01	9.31	10.69	10.89	11.02	11.00
Maryland	9.15	7.84	9.52	10.42	8.76	10.05	8.61
Massachusetts	10.33	11.21	8.27	10.45	10.09	10.33	10.50
Michigan	5.98	5.89	5.90	6.18	5.87	6.04	5.93
Minnesota	4.80	4.68	4.76	4.07	4.46	5.03	5.37
Mississippi	NA	5.14	5.35	NA	5.15	5.73	NA
Missouri	6.48	6.82	6.88	6.16	6.40	6.41	6.83
Montana	6.09	6.67	6.61	6.12	5.95	6.17	6.19
Nebraska	4.81	4.82	4.80	4.45	4.23	4.84	5.70
Nevada	4.82	5.54	4.44	5.42	4.88	4.54	4.59
New Hampshire	10.36	NA	9.60	9.29	9.38	11.24	11.54
New Jersey	8.27	8.30	7.87	6.86	7.83	8.32	9.33
New Mexico	4.09	4.37	5.19	3.06	4.25	4.86	4.97
New York	9.01	7.89	7.39	8.29	8.67	9.32	9.52
North Carolina	NA	NA	6.51	5.87	NA	7.12	7.26
North Dakota	3.48	3.27	3.19	2.62	3.26	3.65	4.31
Ohio	6.38	NA	6.41	6.22	6.34	6.61	6.29
Oklahoma	2.99	2.64	3.56	2.19	2.81	3.19	3.72
Oregon	4.84	5.30	5.34	4.53	4.87	5.02	4.91
Pennsylvania	8.44	NA	8.00	8.63	8.35	8.23	8.60
Rhode Island	9.71	NA	8.35	10.02	9.62	9.59	9.70
South Carolina	5.11	5.08	5.06	4.75	4.85	5.01	5.78
South Dakota	NA	4.64	5.10	4.29	NA	4.75	5.23
Tennessee	5.47	5.44	5.35	5.01	5.25	5.57	5.92
Texas	3.30	3.22	3.36	2.94	3.03	3.26	3.91
Utah	5.39	6.15	5.90	5.06	5.52	5.41	5.55
Vermont	NA	4.67	5.55	4.32	4.43	4.48	NA
Virginia	5.29	5.03	5.10	4.87	5.00	4.92	6.23
Washington	NA	7.56	7.39	6.50	6.44	6.31	NA
West Virginia	3.61	3.49	3.15	3.21	3.55	3.54	4.08
Wisconsin	5.44	5.36	5.80	4.75	5.60	5.39	5.76
Wyoming	4.04	4.16	4.32	3.68	3.87	4.27	4.19
<b>Total</b>	<b>4.54</b>	<b>4.32</b>	<b>4.39</b>	<b>4.02</b>	<b>4.33</b>	<b>4.65</b>	<b>5.04</b>

See footnotes at end of table.

**Table 22. Average price of natural gas sold to industrial consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2018						
	Total	December	November	October	September	August	July
Alabama	4.29	5.38	4.59	4.06	3.98	3.88	3.90
Alaska	5.69	5.73	6.00	5.96	6.00	5.87	6.01
Arizona	NA	5.26	4.63	6.01	5.64	NA	6.45
Arkansas	6.79	6.67	6.78	6.68	6.68	7.05	7.08
California	NA	8.61	6.99	6.11	7.04	NA	6.43
Colorado	NA	4.70	4.87	5.19	NA	6.24	6.64
Connecticut	6.63	7.48	6.53	6.39	6.15	6.37	6.61
Delaware	NA	9.09	11.09	11.53	NA	10.79	NA
District of Columbia	--	--	--	--	--	--	--
Florida	NA	NA	5.98	6.02	NA	6.66	5.93
Georgia	NA	6.02	4.74	4.41	4.41	4.29	4.38
Hawaii	22.62	22.29	24.11	24.18	23.38	22.37	23.04
Idaho	3.98	3.57	3.62	3.49	4.09	4.06	4.20
Illinois	NA	5.36	NA	5.60	6.34	7.23	6.99
Indiana	NA	6.25	6.17	5.22	NA	7.31	7.39
Iowa	NA	6.34	5.80	5.04	5.36	4.78	4.45
Kansas	4.56	7.28	6.58	5.44	4.57	4.30	4.30
Kentucky	NA	5.19	4.46	4.28	3.99	3.84	3.88
Louisiana	3.42	3.96	3.57	3.35	3.16	3.43	3.14
Maine	9.24	11.05	10.63	5.87	5.78	5.79	6.41
Maryland	NA	9.40	8.43	7.95	NA	9.02	8.97
Massachusetts	9.90	10.66	8.69	6.72	6.63	7.48	7.15
Michigan	6.04	6.18	5.95	6.25	6.59	7.02	6.20
Minnesota	NA	5.40	4.80	4.48	4.47	4.50	4.48
Mississippi	5.00	5.79	5.13	4.87	4.53	4.71	4.80
Missouri	NA	NA	6.28	5.86	5.76	5.65	5.80
Montana	6.37	6.06	6.17	5.95	6.05	5.81	5.65
Nebraska	4.53	5.11	4.51	4.41	4.35	4.33	4.20
Nevada	5.44	4.48	4.79	5.00	5.80	5.91	6.14
New Hampshire	NA	11.42	8.92	6.98	6.93	7.77	7.86
New Jersey	NA	NA	7.54	NA	6.88	NA	6.82
New Mexico	NA	4.40	4.20	4.24	3.48	3.07	NA
New York	7.81	8.18	7.24	7.04	7.29	7.40	7.94
North Carolina	NA	6.57	6.29	5.91	5.67	5.90	5.81
North Dakota	3.23	4.77	3.85	2.90	2.78	2.78	2.72
Ohio	NA	6.07	6.40	NA	NA	NA	NA
Oklahoma	NA	4.53	2.59	2.23	2.08	2.29	2.35
Oregon	5.15	4.96	5.05	5.07	5.12	5.14	5.19
Pennsylvania	NA	7.52	8.29	8.47	9.60	9.38	9.82
Rhode Island	NA	9.72	10.57	11.37	11.12	10.97	11.63
South Carolina	4.90	6.09	5.34	4.54	4.57	4.32	4.65
South Dakota	NA	5.29	4.63	NA	5.72	5.46	5.55
Tennessee	5.05	5.97	5.00	4.55	4.41	4.38	4.61
Texas	3.39	4.83	3.84	3.47	3.19	2.99	3.19
Utah	5.49	5.80	5.03	4.66	4.73	4.71	4.64
Vermont	4.55	5.24	4.72	4.35	4.30	4.26	4.22
Virginia	5.14	6.20	4.77	5.19	4.99	5.36	5.00
Washington	NA	6.14	6.49	7.09	NA	NA	NA
West Virginia	3.51	4.80	4.05	3.31	3.18	3.15	3.25
Wisconsin	5.14	6.72	5.79	4.60	3.78	3.98	3.92
Wyoming	3.90	3.68	3.83	4.34	3.66	3.49	3.22
<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>

See footnotes at end of table.

**Table 22. Average price of natural gas sold to industrial consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	3.89	3.90	3.90	3.93	4.90	4.75	4.24
Alaska	5.34	5.54	4.92	5.29	5.57	5.68	4.63
Arizona	6.50	6.50	NA	6.99	7.04	6.64	6.47
Arkansas	6.70	6.55	6.61	7.09	6.83	6.77	6.67
California	6.09	6.08	6.35	7.43	7.46	7.53	7.05
Colorado	6.55	5.45	4.88	5.22	5.15	5.06	5.58
Connecticut	6.91	6.95	6.52	6.57	6.57	6.43	6.48
Delaware	NA	11.06	9.59	9.88	10.07	10.58	9.91
District of Columbia	--	--	--	--	--	--	--
Florida	5.51	6.38	6.49	6.84	5.87	7.36	6.17
Georgia	NA	4.38	4.61	4.45	5.19	4.42	4.68
Hawaii	23.32	23.05	22.04	21.57	21.71	20.32	19.62
Idaho	4.12	4.22	4.18	4.08	4.14	4.25	4.44
Illinois	5.97	5.37	4.88	5.02	NA	5.17	5.76
Indiana	6.56	6.42	6.09	5.84	5.87	6.38	5.99
Iowa	4.32	4.36	5.17	5.27	NA	5.53	5.21
Kansas	4.32	4.35	4.58	4.71	6.91	7.19	4.16
Kentucky	3.84	3.97	4.07	4.35	NA	4.46	4.46
Louisiana	3.29	3.44	2.99	3.64	3.47	3.74	3.64
Maine	6.30	6.81	11.17	11.71	11.69	9.71	8.15
Maryland	NA	8.47	7.95	7.50	7.75	8.13	9.84
Massachusetts	7.37	10.19	12.84	11.89	11.05	9.64	8.02
Michigan	6.75	6.27	5.89	5.96	5.96	5.76	5.97
Minnesota	4.49	NA	4.08	4.34	5.30	4.82	4.48
Mississippi	4.63	4.59	4.72	5.25	5.29	5.24	5.07
Missouri	5.63	5.97	6.96	6.79	6.73	6.83	6.64
Montana	6.19	6.21	6.80	6.55	6.38	7.02	6.60
Nebraska	3.82	3.84	4.23	5.15	4.95	4.90	4.54
Nevada	6.33	5.95	5.64	5.57	5.48	5.48	5.06
New Hampshire	NA	10.84	NA	NA	9.39	9.62	9.09
New Jersey	NA	6.51	6.65	8.90	8.79	8.39	7.92
New Mexico	NA	NA	3.68	4.54	4.82	4.89	5.06
New York	8.06	7.96	7.92	8.51	7.90	7.38	7.21
North Carolina	5.88	6.03	6.16	5.95	6.53	NA	6.24
North Dakota	2.65	2.65	2.57	2.71	4.06	3.78	3.15
Ohio	7.44	6.65	6.11	6.23	NA	NA	6.71
Oklahoma	NA	1.99	1.66	2.49	3.29	3.10	3.30
Oregon	4.93	5.05	5.09	5.36	5.39	5.35	5.31
Pennsylvania	9.36	8.60	8.44	8.49	NA	8.09	8.38
Rhode Island	11.46	11.41	NA	10.14	8.75	8.62	8.48
South Carolina	4.39	4.33	4.38	4.67	5.40	6.08	4.86
South Dakota	4.76	4.36	4.21	4.83	4.74	4.67	5.09
Tennessee	4.45	4.68	4.92	5.28	5.96	5.57	5.04
Texas	3.22	3.10	2.98	2.87	3.78	3.32	3.28
Utah	5.19	5.32	5.86	6.14	6.33	6.25	5.51
Vermont	4.14	4.18	4.22	4.33	5.00	5.08	4.92
Virginia	4.91	5.05	4.66	5.04	5.33	5.07	5.04
Washington	NA	7.67	7.51	7.60	7.62	7.49	7.39
West Virginia	3.17	3.14	3.07	3.10	4.36	3.40	3.21
Wisconsin	4.26	3.98	4.20	5.25	6.13	5.66	5.34
Wyoming	3.22	3.89	4.27	4.17	4.20	4.02	4.28
<b>Total</b>	<b>3.78</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>

See footnotes at end of table.

**Table 22. Average price of natural gas sold to industrial consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	4.31	4.11	3.92	3.89	3.93	4.07	4.21
Alaska	4.73	4.59	4.02	3.63	3.16	3.04	4.96
Arizona	6.57	6.92	6.72	6.77	7.26	6.49	6.86
Arkansas	6.48	6.62	6.63	6.66	7.03	6.74	6.69
California	7.14	6.38	6.09	6.24	6.43	6.59	7.01
Colorado	5.04	5.18	7.00	5.77	5.91	6.35	6.08
Connecticut	6.12	6.08	5.97	6.38	6.03	5.90	5.80
Delaware	10.51	12.01	10.38	10.08	13.21	13.50	10.22
District of Columbia	--	--	--	--	--	--	--
Florida	5.82	6.20	6.26	6.11	6.36	5.99	6.07
Georgia	4.61	4.38	4.53	4.68	4.60	4.45	4.67
Hawaii	22.24	20.83	21.09	19.75	18.87	18.57	19.10
Idaho	4.38	4.02	4.35	4.42	4.47	4.48	4.59
Illinois	4.86	4.99	5.10	5.75	6.44	7.17	6.70
Indiana	4.85	5.34	5.43	7.01	7.98	7.11	7.93
Iowa	5.55	5.12	5.06	5.33	5.18	5.43	5.51
Kansas	5.71	4.94	4.51	3.88	3.76	3.83	4.01
Kentucky	4.54	4.26	4.26	4.15	4.18	4.27	4.48
Louisiana	3.35	3.41	3.53	3.46	3.55	3.62	3.74
Maine	9.59	9.29	5.26	5.30	5.42	6.34	6.48
Maryland	9.71	9.25	10.79	11.22	10.67	11.28	11.91
Massachusetts	8.96	7.77	5.63	7.20	7.26	7.46	7.10
Michigan	5.64	5.96	6.02	6.94	6.73	6.47	6.40
Minnesota	4.66	4.05	4.40	4.24	4.19	4.14	4.44
Mississippi	5.08	4.86	4.89	4.91	4.80	5.02	4.84
Missouri	6.84	6.96	6.43	6.03	6.24	6.21	6.02
Montana	7.41	6.55	6.49	6.38	5.70	6.66	6.50
Nebraska	4.45	4.28	4.21	4.38	4.32	4.40	4.44
Nevada	5.21	5.48	5.65	5.69	6.03	5.74	5.48
New Hampshire	10.03	8.92	7.66	7.99	7.58	7.81	7.14
New Jersey	8.06	8.05	8.62	8.32	8.19	7.82	8.37
New Mexico	5.37	5.30	5.15	4.87	4.95	4.87	4.88
New York	7.20	6.71	6.44	6.17	6.82	8.04	7.78
North Carolina	6.29	6.02	5.89	6.09	6.07	6.04	5.97
North Dakota	3.97	3.12	2.89	3.78	2.82	2.85	2.95
Ohio	6.24	6.42	7.24	8.04	7.85	8.69	9.21
Oklahoma	3.13	2.94	3.02	2.87	3.13	3.46	3.39
Oregon	5.18	5.28	5.17	5.19	5.50	5.41	5.39
Pennsylvania	8.91	8.95	9.16	9.13	9.36	10.50	8.99
Rhode Island	8.62	8.45	8.41	8.59	8.74	8.74	8.43
South Carolina	5.17	4.54	4.58	4.71	4.56	4.98	4.83
South Dakota	4.87	4.61	5.35	6.04	5.64	5.62	5.20
Tennessee	5.22	4.95	4.69	4.70	4.66	4.77	4.94
Texas	3.22	2.98	3.12	3.21	3.19	3.40	3.51
Utah	6.02	5.45	5.15	5.13	5.12	5.20	5.04
Vermont	4.71	4.40	4.42	4.48	4.47	4.51	4.68
Virginia	5.15	4.64	4.69	4.92	5.22	4.94	5.41
Washington	7.45	7.34	7.11	7.22	7.42	7.73	7.38
West Virginia	4.12	4.07	3.03	2.80	2.85	2.90	2.85
Wisconsin	5.60	5.54	4.46	4.66	4.54	4.24	4.74
Wyoming	4.21	4.25	4.36	4.38	4.35	4.39	4.24
<b>Total</b>	<b>4.21</b>	<b>3.85</b>	<b>3.79</b>	<b>3.84</b>	<b>3.79</b>	<b>3.93</b>	<b>4.06</b>

See footnotes at end of table.



**Table 22. Average price of natural gas sold to industrial consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	4.18	4.25	4.08	4.70	5.07
Alaska	4.96	5.02	5.13	4.99	5.06
Arizona	6.31	6.18	5.95	6.04	6.18
Arkansas	6.53	6.80	6.63	6.69	6.73
California	7.05	7.19	7.71	7.96	8.38
Colorado	5.66	5.19	5.60	5.48	5.37
Connecticut	6.41	6.28	6.69	8.06	7.21
Delaware	9.81	9.07	9.57	9.11	8.93
District of Columbia	--	--	--	--	--
Florida	6.09	5.98	6.51	6.46	6.13
Georgia	4.64	4.74	4.29	5.12	5.48
Hawaii	19.60	18.83	19.22	19.69	18.66
Idaho	4.44	4.57	4.52	4.59	4.52
Illinois	6.78	6.31	5.87	6.15	6.12
Indiana	6.32	7.03	5.69	6.08	5.82
Iowa	5.31	5.06	4.69	5.14	5.22
Kansas	4.74	4.67	5.08	6.88	6.75
Kentucky	4.37	4.42	4.34	4.90	5.14
Louisiana	3.32	3.14	3.59	4.56	4.52
Maine	6.61	9.28	9.27	9.35	9.33
Maryland	10.56	11.53	8.52	9.82	9.49
Massachusetts	8.76	8.28	8.17	8.44	8.23
Michigan	6.36	6.10	5.89	5.99	5.77
Minnesota	4.23	4.40	4.42	4.86	5.15
Mississippi	4.92	4.62	5.28	5.92	5.47
Missouri	6.04	6.45	6.95	7.12	6.88
Montana	6.53	6.00	6.81	6.90	6.54
Nebraska	4.33	4.33	4.81	5.23	4.73
Nevada	5.15	4.61	4.47	4.38	4.36
New Hampshire	7.98	8.88	9.13	10.27	10.13
New Jersey	7.03	6.81	7.07	8.67	8.11
New Mexico	4.81	4.61	5.02	5.91	5.57
New York	7.20	7.85	7.49	7.45	6.91
North Carolina	6.07	6.35	6.34	6.65	6.66
North Dakota	2.81	2.89	2.66	3.45	3.96
Ohio	8.06	6.54	5.85	6.56	6.87
Oklahoma	3.22	3.21	2.93	3.82	4.22
Oregon	5.28	5.29	5.43	5.39	5.25
Pennsylvania	8.22	8.68	8.01	7.92	7.79
Rhode Island	8.55	8.67	8.39	8.34	8.06
South Carolina	4.69	4.83	4.46	5.14	5.78
South Dakota	5.22	4.57	5.01	5.36	5.20
Tennessee	4.86	4.93	5.03	5.61	5.76
Texas	3.37	3.34	2.81	3.43	3.84
Utah	5.14	5.70	5.87	5.98	6.03
Vermont	4.78	5.04	5.34	5.67	6.02
Virginia	5.04	4.87	4.67	5.61	5.38
Washington	7.52	7.52	7.35	7.59	7.19
West Virginia	2.92	2.90	3.16	3.46	3.11
Wisconsin	4.69	5.82	5.34	5.55	6.32
Wyoming	3.96	4.24	4.37	4.52	4.18
<b>Total</b>	<b>4.03</b>	<b>4.13</b>	<b>3.94</b>	<b>4.56</b>	<b>4.87</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, 2017-2019**  
(dollars per thousand cubic feet)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	W	W	W	W	W	W	W
Alaska	7.75	8.30	8.09	7.87	7.72	7.72	7.72
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	W	W	W	3.28	4.53	W	W
Colorado	W	W	W	W	W	W	W
Connecticut	4.86	6.69	W	2.78	4.10	5.34	7.12
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	4.19	W	W	W	W
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	13.00	3.32	--	--	40.19	8.54	3.48
Illinois	W	W	W	2.65	W	W	3.92
Indiana	W	W	W	2.79	W	W	3.44
Iowa	3.96	3.04	4.30	2.55	2.75	7.22	3.12
Kansas	3.94	3.39	4.10	2.68	5.76	3.93	4.00
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	W	W	W	W	W	W	--
Maryland	W	W	4.42	3.12	3.50	3.71	W
Massachusetts	W	W	W	4.71	5.22	W	W
Michigan	3.20	3.24	3.35	2.83	3.33	3.08	3.53
Minnesota	W	W	W	3.08	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	3.00	W	W	W	W
Montana	2.29	1.71	2.24	0.87	2.98	2.77	1.79
Nebraska	3.88	4.82	5.31	3.64	4.02	3.83	4.01
Nevada	4.28	3.11	3.91	3.02	4.36	5.13	4.53
New Hampshire	W	W	W	W	W	W	W
New Jersey	3.71	3.96	3.61	2.60	3.71	3.99	4.58
New Mexico	1.76	2.88	3.71	0.51	1.48	2.28	2.72
New York	4.31	5.15	4.44	2.76	3.90	4.46	5.76
North Carolina	W	W	W	W	W	W	W
North Dakota	4.54	9.20	5.36	2.68	4.39	4.77	6.16
Ohio	3.03	3.07	3.33	2.68	3.09	2.92	3.40
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	3.05	3.61	3.32	2.50	2.84	3.01	3.66
Rhode Island	W	W	W	W	W	W	W
South Carolina	W	W	W	3.45	3.55	W	W
South Dakota	--	--	--	--	--	--	--
Tennessee	3.24	3.10	3.19	3.31	3.11	3.09	3.50
Texas	2.86	3.18	3.21	2.48	2.83	2.82	3.21
Utah	4.42	3.01	W	3.12	4.22	5.49	4.49
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	3.49	3.87	W	W
Washington	W	W	4.55	W	W	W	W
West Virginia	W	W	W	W	3.58	3.30	3.66
Wisconsin	3.40	3.39	W	2.82	3.45	3.64	3.72
Wyoming	W	W	W	W	W	3.10	W
<b>Total</b>	<b>3.65</b>	<b>3.94</b>	<b>3.77</b>	<b>2.98</b>	<b>3.59</b>	<b>3.79</b>	<b>4.16</b>

See footnotes at end of table.

**Table 23. Average price of natural gas sold to electric power<sup>a</sup> consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

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

See footnotes at end of table.

**Table 23. Average price of natural gas sold to electric power<sup>a</sup> consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	W	W	W	W	W	W	W
Alaska	7.76	7.76	7.76	8.44	8.44	8.44	8.10
Arizona	W	W	W	W	3.33	W	3.68
Arkansas	W	W	W	W	W	W	W
California	3.36	2.88	3.06	W	3.72	3.79	W
Colorado	W	W	W	W	W	W	W
Connecticut	2.79	2.74	3.92	4.25	7.69	11.06	W
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	2.27	--	--	--	3.32	--	--
Illinois	2.90	3.17	W	W	W	4.90	3.11
Indiana	3.14	3.10	W	W	W	4.32	W
Iowa	2.79	2.63	2.84	2.54	2.65	4.17	3.24
Kansas	2.95	2.67	3.10	3.03	3.46	4.32	3.68
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	--	W	W	W	W	W	W
Maryland	3.47	3.56	3.27	3.24	W	W	W
Massachusetts	2.84	2.47	5.54	4.27	W	14.30	3.82
Michigan	3.18	2.98	3.11	2.86	2.99	3.97	3.27
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	3.03
Montana	1.01	1.14	1.26	1.68	1.82	2.06	1.85
Nebraska	3.37	3.05	3.94	4.53	4.74	6.76	4.19
Nevada	2.60	2.40	2.76	2.91	3.39	3.37	3.50
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.70	2.52	2.90	2.95	3.07	7.90	3.01
New Mexico	2.64	2.18	2.04	2.59	3.06	4.18	3.58
New York	2.95	2.82	3.19	3.50	5.50	8.21	3.44
North Carolina	W	W	W	W	W	W	W
North Dakota	5.39	2.24	5.50	2.74	16.91	15.38	5.31
Ohio	2.95	2.76	2.87	2.72	2.96	3.63	3.05
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.53	2.44	2.65	2.66	3.36	5.92	2.58
Rhode Island	W	W	W	W	W	W	W
South Carolina	W	W	W	W	3.68	W	W
South Dakota	--	--	--	--	--	--	--
Tennessee	2.91	2.61	2.59	2.77	3.17	3.61	3.04
Texas	3.01	2.87	2.84	2.75	2.90	4.07	3.13
Utah	2.61	2.49	2.54	2.89	3.39	3.19	W
Vermont	--	--	--	--	--	--	--
Virginia	3.29	3.24	3.50	W	W	W	3.48
Washington	W	W	W	W	W	W	4.11
West Virginia	W	W	W	W	W	W	W
Wisconsin	3.10	2.96	3.24	2.92	3.38	3.99	W
Wyoming	W	W	W	W	W	W	W
<b>Total</b>	<b>3.21</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>

See footnotes at end of table.

**Table 23. Average price of natural gas sold to electric power<sup>a</sup> consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	W	W	W	W	W	W	W
Alaska	8.13	8.13	8.09	8.09	8.09	8.09	8.09
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	W	W	W	W	W	W	W
Colorado	W	W	W	W	W	W	W
Connecticut	W	4.17	2.86	2.67	W	W	W
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.58	4.38	W	W	W	W	4.33
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Illinois	W	W	W	W	W	3.23	3.06
Indiana	W	W	W	W	W	W	W
Iowa	5.61	3.18	2.76	2.87	2.80	2.92	2.74
Kansas	4.27	3.52	3.24	3.65	3.44	3.22	3.43
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	W	--	W	W	W	W	W
Maryland	4.89	3.28	3.21	3.00	3.27	3.44	3.25
Massachusetts	8.72	W	W	2.29	2.42	2.58	2.65
Michigan	3.09	3.30	3.11	3.29	3.23	3.21	3.22
Minnesota	3.16	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	2.97	2.73	2.68	3.10	3.19	3.07	3.22
Montana	1.98	1.91	0.72	1.49	1.52	1.52	2.10
Nebraska	5.97	4.89	4.02	4.12	3.64	3.48	3.51
Nevada	3.47	3.40	3.14	3.35	3.27	3.29	3.48
New Hampshire	W	W	W	W	W	W	W
New Jersey	5.39	2.95	1.63	2.04	2.19	2.44	2.42
New Mexico	3.67	3.69	3.36	3.45	3.50	3.53	3.51
New York	5.12	3.40	2.33	2.36	2.56	2.75	2.96
North Carolina	W	W	W	W	W	W	W
North Dakota	7.74	5.43	8.67	4.98	6.35	6.14	4.36
Ohio	3.00	2.94	2.89	2.81	2.76	2.91	3.06
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	3.93	2.37	1.47	1.71	2.03	2.27	2.39
Rhode Island	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W
South Dakota	--	--	--	--	--	--	--
Tennessee	3.02	2.92	2.88	2.99	2.86	2.93	3.07
Texas	2.95	3.10	3.11	3.11	3.03	3.11	3.17
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	2.67	2.94	3.09	3.10
Washington	4.13	4.39	3.70	3.94	3.62	4.03	5.16
West Virginia	W	W	W	W	W	W	W
Wisconsin	3.04	3.39	3.16	3.23	3.16	W	W
Wyoming	3.10	3.69	W	W	W	W	W
<b>Total</b>	<b>3.81</b>	<b>3.50</b>	<b>3.27</b>	<b>3.31</b>	<b>3.27</b>	<b>3.32</b>	<b>3.41</b>

See footnotes at end of table.

**Table 23. Average price of natural gas sold to electric power<sup>a</sup> consumers, by state, 2017-2019**  
(dollars per thousand cubic feet) – continued

State	2017				
	May	April	March	February	January
Alabama	W	W	W	W	W
Alaska	8.09	8.09	8.09	8.09	8.09
Arizona	W	W	W	W	W
Arkansas	W	W	W	W	W
California	W	W	W	W	W
Colorado	W	W	W	W	W
Connecticut	W	W	W	5.84	8.10
Delaware	--	--	--	--	--
District of Columbia	--	--	--	--	--
Florida	W	3.59	4.02	4.38	4.92
Georgia	W	W	W	W	W
Hawaii	--	--	--	--	--
Idaho	--	--	--	--	--
Illinois	W	W	W	W	W
Indiana	W	W	W	W	W
Iowa	2.84	2.85	4.71	4.85	5.12
Kansas	4.10	3.88	3.52	4.82	4.92
Kentucky	W	W	W	5.96	W
Louisiana	W	W	W	W	W
Maine	--	W	W	W	W
Maryland	3.37	3.40	4.90	4.25	5.50
Massachusetts	3.36	3.47	4.35	W	W
Michigan	3.44	3.45	3.16	3.18	3.63
Minnesota	W	3.40	W	3.49	4.49
Mississippi	W	W	W	W	W
Missouri	3.40	3.03	2.59	3.05	3.43
Montana	2.49	2.22	2.09	2.25	2.36
Nebraska	4.03	4.37	5.17	6.48	5.61
Nevada	3.49	3.74	3.60	3.80	4.37
New Hampshire	W	W	W	W	W
New Jersey	3.24	3.34	3.45	3.64	4.06
New Mexico	3.69	3.85	3.27	3.65	4.02
New York	3.29	3.39	4.26	4.54	5.41
North Carolina	W	W	W	W	W
North Dakota	4.37	4.42	5.52	4.80	6.31
Ohio	3.22	3.28	2.93	3.26	3.84
Oklahoma	W	W	W	W	W
Oregon	W	W	W	W	W
Pennsylvania	3.00	3.00	2.86	3.21	4.12
Rhode Island	W	W	W	W	W
South Carolina	W	W	W	W	W
South Dakota	--	--	--	--	--
Tennessee	2.96	3.04	3.00	3.09	3.82
Texas	3.29	3.22	3.02	3.13	3.47
Utah	W	W	W	W	W
Vermont	--	--	--	--	--
Virginia	3.59	3.67	W	W	W
Washington	3.85	3.67	3.74	5.57	4.95
West Virginia	W	3.36	W	W	W
Wisconsin	W	W	W	W	W
Wyoming	W	W	10.87	W	4.04
<b>Total</b>	<b>3.61</b>	<b>3.50</b>	<b>3.52</b>	<b>3.74</b>	<b>4.33</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.

-- Not applicable.

W Withheld.

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

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

**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2019**

State	2019 4-Month YTD			2018 4-Month YTD			2017 4-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	81.3	25.2	100.0	82.3	26.8	100.0	80.0	26.5
Alaska	100.0	NA	100.0	100.0	99.2	100.0	100.0	99.0	100.0
Arizona	100.0	76.2	14.6	100.0	NA	NA	100.0	84.2	14.3
Arkansas	NA	NA	1.9	100.0	50.0	NA	100.0	45.5	1.5
California	94.9	54.9	4.9	95.0	54.1	4.5	95.2	55.3	4.6
Colorado	100.0	94.7	9.0	100.0	94.7	8.0	100.0	94.3	8.0
Connecticut	96.5	79.4	52.8	96.5	79.5	51.1	96.4	78.5	51.7
Delaware	100.0	NA	0.4	NA	NA	NA	100.0	42.9	0.6
District of Columbia	NA	22.5	0.0	76.6	NA	0.0	74.2	21.8	--
Florida	91.0	NA	NA	91.7	31.0	4.2	91.0	31.2	3.5
Georgia	100.0	100.0	24.1	100.0	100.0	24.3	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	NA	2.9	100.0	NA	2.7	100.0	82.0	2.7
Illinois	87.0	38.4	NA	86.4	38.3	NA	85.4	37.2	7.8
Indiana	96.3	68.6	2.1	96.1	69.1	NA	95.7	67.0	2.1
Iowa	100.0	70.2	3.0	100.0	NA	NA	100.0	72.2	3.1
Kansas	NA	NA	NA	100.0	62.4	3.0	100.0	58.2	2.6
Kentucky	97.2	81.7	17.1	96.9	82.3	NA	96.5	80.4	17.2
Louisiana	100.0	80.5	3.3	NA	NA	NA	100.0	80.5	3.5
Maine	100.0	67.3	9.0	100.0	NA	10.4	100.0	63.9	10.5
Maryland	75.8	28.5	5.7	75.8	30.9	NA	74.7	28.9	6.3
Massachusetts	97.5	46.1	31.2	NA	NA	31.2	98.4	50.9	28.1
Michigan	94.1	63.3	9.6	93.6	61.9	NA	93.2	60.1	9.7
Minnesota	100.0	90.7	21.5	NA	NA	20.9	100.0	90.9	18.2
Mississippi	100.0	86.9	NA	99.6	NA	9.5	100.0	85.6	9.1
Missouri	100.0	78.1	16.3	100.0	78.7	17.3	100.0	76.3	14.4
Montana	99.6	54.2	2.4	NA	NA	2.3	99.4	53.9	2.4
Nebraska	88.2	59.5	7.5	88.4	60.4	6.9	87.7	59.6	7.5
Nevada	100.0	65.9	NA	100.0	63.8	17.3	100.0	65.3	17.6
New Hampshire	100.0	59.5	10.7	100.0	58.3	NA	100.0	56.3	6.4
New Jersey	96.3	49.9	14.1	95.2	44.9	NA	94.5	49.3	10.5
New Mexico	NA	NA	3.8	100.0	62.0	4.3	100.0	59.3	4.9
New York	100.0	NA	7.0	100.0	100.0	7.9	100.0	100.0	7.3
North Carolina	100.0	88.2	NA	100.0	88.5	NA	100.0	84.7	12.5
North Dakota	100.0	94.0	34.7	100.0	NA	38.4	100.0	94.0	37.6
Ohio	100.0	100.0	1.2	100.0	100.0	NA	100.0	100.0	1.3
Oklahoma	100.0	52.8	8.1	100.0	52.5	7.6	100.0	50.6	7.7
Oregon	100.0	95.2	16.3	100.0	NA	16.9	100.0	95.0	16.7
Pennsylvania	86.2	39.0	NA	86.7	39.7	NA	87.6	39.8	1.6
Rhode Island	100.0	53.7	5.0	100.0	54.5	NA	100.0	53.3	3.8
South Carolina	100.0	92.5	39.6	100.0	NA	NA	100.0	91.7	41.1
South Dakota	100.0	81.9	NA	NA	NA	NA	100.0	83.3	5.4
Tennessee	100.0	91.6	23.7	100.0	NA	NA	100.0	90.2	24.6
Texas	99.9	76.2	31.4	NA	77.7	36.8	99.8	74.4	38.4
Utah	100.0	70.5	2.4	100.0	74.2	3.0	100.0	77.4	4.3
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.8	54.5	NA	NA	NA	12.5	89.6	53.4	11.5
Washington	100.0	87.5	NA	100.0	NA	NA	100.0	88.0	8.2
West Virginia	100.0	61.7	NA	100.0	63.6	4.0	100.0	58.5	3.8
Wisconsin	100.0	77.8	18.9	100.0	77.6	20.3	100.0	76.2	18.3
Wyoming	70.0	57.7	NA	69.9	49.2	1.9	71.4	49.8	1.8
<b>Total</b>	<b>96.1</b>	<b>68.7</b>	<b>13.5</b>	<b>95.9</b>	<b>68.9</b>	<b>14.8</b>	<b>95.7</b>	<b>68.5</b>	<b>14.8</b>

See footnotes at end of table.



**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2019 – continued**

State	2019								
	April			March			February		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	77.9	24.8	100.0	79.5	25.1	100.0	85.1	26.2
Alaska	100.0	NA	100.0	100.0	NA	100.0	100.0	NA	100.0
Arizona	100.0	74.0	16.0	100.0	76.5	14.2	100.0	77.3	14.7
Arkansas	100.0	39.8	1.6	NA	NA	2.2	100.0	53.3	1.8
California	94.2	55.8	4.6	94.6	55.5	4.9	95.5	55.4	6.1
Colorado	100.0	92.6	7.4	100.0	95.1	9.6	100.0	94.8	9.2
Connecticut	95.8	78.3	52.3	96.7	79.7	52.8	96.7	80.1	53.8
Delaware	100.0	41.1	0.2	100.0	NA	0.4	100.0	44.9	0.4
District of Columbia	75.5	21.1	0.0	76.6	23.9	0.0	NA	23.5	0.0
Florida	90.5	NA	NA	90.6	28.9	NA	91.4	30.7	3.7
Georgia	100.0	100.0	23.5	100.0	100.0	24.1	100.0	100.0	24.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	72.0	3.1	100.0	80.9	2.7	100.0	NA	2.9
Illinois	83.8	30.7	6.3	86.5	37.9	NA	86.8	40.1	11.1
Indiana	96.3	59.4	1.5	96.3	68.5	2.1	96.3	68.7	2.4
Iowa	100.0	62.6	2.2	100.0	70.2	3.0	100.0	71.7	3.7
Kansas	NA	NA	NA	100.0	63.2	1.3	100.0	65.5	1.2
Kentucky	96.3	74.7	17.5	97.3	82.7	19.9	96.9	82.8	16.0
Louisiana	100.0	79.4	3.4	100.0	80.1	2.9	100.0	82.3	3.4
Maine	100.0	64.9	7.7	100.0	67.7	9.2	100.0	69.4	9.7
Maryland	74.7	18.9	2.6	76.9	29.6	6.0	76.3	27.9	5.2
Massachusetts	97.3	46.8	28.9	97.5	48.0	34.1	97.5	44.6	31.0
Michigan	93.7	57.7	6.4	93.9	63.1	10.0	94.0	63.4	10.7
Minnesota	100.0	87.4	18.2	100.0	90.4	21.6	100.0	91.1	23.6
Mississippi	100.0	82.3	NA	100.0	87.3	8.2	100.0	87.8	10.5
Missouri	100.0	73.4	13.9	100.0	79.0	16.7	100.0	80.1	18.1
Montana	99.6	51.1	1.7	99.6	57.3	3.4	99.6	54.9	2.6
Nebraska	87.3	54.6	6.9	88.5	61.4	8.0	88.5	60.4	8.0
Nevada	100.0	59.6	17.0	100.0	66.4	15.2	100.0	67.5	NA
New Hampshire	100.0	57.7	9.7	100.0	60.3	12.2	100.0	59.9	9.7
New Jersey	96.8	40.9	8.8	96.3	53.0	14.8	96.4	51.0	15.8
New Mexico	NA	NA	5.7	100.0	60.8	3.6	100.0	64.0	3.1
New York	100.0	100.0	6.1	100.0	100.0	6.9	100.0	100.0	7.6
North Carolina	100.0	81.8	12.6	100.0	87.9	NA	100.0	88.2	15.2
North Dakota	100.0	91.9	34.2	100.0	93.9	36.9	100.0	94.4	29.3
Ohio	100.0	100.0	0.9	100.0	100.0	1.1	100.0	100.0	1.3
Oklahoma	100.0	50.0	7.9	100.0	56.0	7.9	100.0	53.3	8.7
Oregon	100.0	94.5	15.7	100.0	95.6	16.2	100.0	95.3	17.2
Pennsylvania	84.4	34.5	1.1	86.2	38.8	NA	86.3	39.5	NA
Rhode Island	100.0	49.6	4.3	100.0	54.8	5.4	100.0	53.8	5.0
South Carolina	100.0	89.1	36.5	100.0	92.5	40.6	100.0	92.5	41.0
South Dakota	100.0	82.0	5.3	100.0	82.9	NA	100.0	81.5	7.3
Tennessee	100.0	88.7	22.6	100.0	91.3	23.4	100.0	92.5	23.8
Texas	99.9	69.0	31.1	100.0	77.8	31.7	100.0	77.0	31.4
Utah	100.0	62.6	2.3	100.0	70.3	2.2	100.0	71.2	2.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	85.4	43.1	9.9	89.9	55.6	NA	89.7	54.8	10.3
Washington	100.0	82.1	7.3	100.0	87.5	8.1	100.0	89.9	8.9
West Virginia	100.0	48.2	3.8	100.0	62.8	NA	100.0	64.1	3.2
Wisconsin	100.0	71.5	14.7	100.0	78.1	19.8	100.0	79.4	21.9
Wyoming	70.9	58.6	NA	69.4	57.8	1.4	70.2	57.0	1.4
<b>Total</b>	<b>95.6</b>	<b>64.2</b>	<b>12.8</b>	<b>96.0</b>	<b>69.1</b>	<b>13.6</b>	<b>96.1</b>	<b>69.4</b>	<b>14.0</b>

See footnotes at end of table.



**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2019 – continued**

State	2019						2018		
	January			Total			December		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	80.9	25.0	100.0	78.8	25.8	100.0	82.0	26.1
Alaska	100.0	NA	100.0	100.0	NA	100.0	100.0	NA	100.0
Arizona	100.0	76.4	13.8	NA	NA	NA	100.0	73.5	12.7
Arkansas	100.0	49.3	1.8	100.0	40.2	NA	100.0	46.4	1.9
California	95.0	53.3	4.2	NA	NA	NA	95.3	54.6	4.4
Colorado	100.0	95.2	9.4	100.0	NA	NA	100.0	94.9	8.5
Connecticut	96.6	79.2	52.1	NA	76.9	50.9	96.7	78.1	54.7
Delaware	100.0	41.4	0.3	NA	NA	NA	100.0	42.5	0.4
District of Columbia	75.8	21.1	0.0	75.6	NA	0.0	76.3	23.7	0.0
Florida	91.1	NA	3.2	91.6	NA	NA	91.4	32.1	NA
Georgia	100.0	100.0	24.1	100.0	100.0	NA	100.0	100.0	23.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	83.3	2.7	100.0	NA	2.9	100.0	84.0	3.0
Illinois	89.1	41.5	9.7	86.8	34.7	NA	87.8	38.7	9.8
Indiana	96.2	72.1	2.3	NA	NA	NA	96.2	69.7	2.1
Iowa	100.0	71.9	3.0	100.0	NA	NA	100.0	68.3	3.6
Kansas	100.0	63.1	1.2	NA	52.6	6.1	NA	58.0	0.9
Kentucky	97.6	82.6	15.1	NA	79.5	NA	97.2	82.1	17.2
Louisiana	100.0	80.1	3.4	NA	NA	NA	100.0	79.5	2.9
Maine	100.0	66.5	9.5	100.0	NA	8.4	100.0	66.2	9.0
Maryland	74.7	33.5	8.4	NA	NA	NA	76.2	31.4	4.4
Massachusetts	97.6	45.7	30.5	NA	NA	28.4	97.5	48.3	29.8
Michigan	94.6	66.1	10.5	93.7	NA	NA	93.5	61.4	10.0
Minnesota	100.0	92.1	22.1	NA	NA	NA	100.0	NA	22.0
Mississippi	100.0	88.7	NA	99.8	NA	8.6	100.0	87.5	9.2
Missouri	100.0	77.6	15.8	100.0	74.1	NA	100.0	77.3	NA
Montana	99.6	52.2	2.0	NA	NA	1.5	99.5	48.5	2.0
Nebraska	87.9	59.2	7.1	88.2	55.2	6.1	88.6	58.9	6.8
Nevada	100.0	67.6	17.3	100.0	58.6	14.3	100.0	66.0	20.6
New Hampshire	100.0	59.5	11.1	100.0	56.4	NA	100.0	58.0	8.0
New Jersey	96.0	51.0	15.7	95.5	NA	NA	95.9	43.9	NA
New Mexico	100.0	61.1	3.0	NA	NA	NA	100.0	NA	6.0
New York	100.0	NA	7.3	100.0	100.0	NA	100.0	100.0	7.3
North Carolina	100.0	90.6	15.2	100.0	NA	NA	100.0	89.0	14.2
North Dakota	100.0	95.0	37.6	100.0	NA	37.2	100.0	94.4	41.8
Ohio	100.0	100.0	1.2	100.0	100.0	NA	100.0	100.0	1.3
Oklahoma	100.0	50.8	8.0	100.0	45.4	NA	100.0	48.3	8.0
Oregon	100.0	95.1	16.2	100.0	NA	15.6	100.0	95.4	17.0
Pennsylvania	86.9	40.9	NA	NA	36.9	NA	NA	38.8	1.5
Rhode Island	100.0	55.2	5.3	100.0	53.5	NA	100.0	54.1	5.6
South Carolina	100.0	94.3	40.1	100.0	NA	NA	100.0	NA	39.5
South Dakota	100.0	81.4	6.5	NA	NA	NA	100.0	81.7	7.5
Tennessee	100.0	92.5	24.8	100.0	NA	NA	100.0	91.5	25.3
Texas	100.0	78.7	31.3	NA	72.2	35.7	99.9	76.6	33.6
Utah	100.0	74.6	2.6	100.0	NA	2.8	100.0	72.4	2.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	91.6	59.4	11.5	NA	NA	NA	91.1	56.3	11.0
Washington	100.0	88.0	NA	100.0	NA	NA	100.0	89.4	10.3
West Virginia	100.0	65.1	3.5	NA	55.1	4.1	100.0	61.4	3.7
Wisconsin	100.0	79.1	18.8	100.0	73.0	17.8	100.0	78.6	19.6
Wyoming	69.9	57.6	1.1	70.2	50.7	1.4	68.9	56.7	1.2
<b>Total</b>	<b>96.3</b>	<b>70.2</b>	<b>13.6</b>	<b>96.0</b>	<b>65.6</b>	<b>14.2</b>	<b>96.2</b>	<b>68.8</b>	<b>14.3</b>

See footnotes at end of table.

**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2019 – continued**

State	2018								
	November			October			September		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	73.5	25.4	100.0	70.2	25.7	100.0	73.2	24.1
Alaska	100.0	99.1	100.0	100.0	98.2	100.0	100.0	95.8	100.0
Arizona	100.0	71.3	13.3	100.0	70.8	13.4	100.0	NA	14.3
Arkansas	100.0	35.5	1.7	100.0	25.0	1.3	100.0	23.9	1.3
California	94.9	NA	4.2	94.5	46.7	4.6	94.4	48.2	3.5
Colorado	100.0	95.1	8.4	100.0	94.5	6.6	100.0	90.2	NA
Connecticut	95.8	75.6	51.1	94.8	73.3	46.6	95.3	72.0	52.3
Delaware	100.0	NA	NA	100.0	19.5	0.3	100.0	NA	NA
District of Columbia	74.0	22.1	0.0	71.1	20.3	0.0	73.2	18.8	0.0
Florida	90.6	30.2	2.9	91.5	27.8	2.9	91.9	27.0	NA
Georgia	100.0	100.0	24.0	100.0	100.0	25.1	100.0	100.0	24.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	79.3	2.8	100.0	70.7	2.6	100.0	61.5	3.0
Illinois	90.3	39.5	NA	90.9	33.9	4.8	87.9	21.1	3.1
Indiana	96.1	68.2	1.8	95.5	66.4	NA	NA	NA	NA
Iowa	100.0	69.9	3.7	100.0	64.5	2.7	100.0	NA	1.9
Kansas	100.0	58.2	1.0	100.0	38.3	2.0	100.0	27.7	6.0
Kentucky	98.2	79.7	15.1	98.7	75.8	16.3	NA	70.1	16.1
Louisiana	100.0	74.6	4.0	100.0	72.5	3.6	100.0	76.1	3.5
Maine	100.0	60.3	8.8	100.0	50.2	7.0	100.0	46.7	5.6
Maryland	77.2	26.7	3.2	77.5	NA	2.3	72.7	NA	NA
Massachusetts	97.6	39.9	27.7	97.4	32.5	21.9	97.4	28.7	23.5
Michigan	94.3	61.1	6.6	94.8	48.7	5.5	94.4	42.6	2.6
Minnesota	100.0	89.0	22.4	100.0	86.2	17.6	100.0	80.6	15.6
Mississippi	100.0	83.9	9.6	100.0	79.7	8.0	100.0	77.2	8.1
Missouri	100.0	71.7	12.5	100.0	62.1	9.3	100.0	57.4	9.7
Montana	99.5	44.0	1.3	99.5	42.4	1.2	99.4	26.0	0.7
Nebraska	87.3	51.7	5.9	86.1	44.6	5.0	89.3	41.0	5.4
Nevada	100.0	58.9	15.8	100.0	51.0	13.5	100.0	48.8	10.2
New Hampshire	100.0	55.1	6.1	100.0	48.0	4.6	100.0	47.0	3.7
New Jersey	96.0	41.1	NA	96.1	39.6	NA	95.6	29.7	NA
New Mexico	NA	NA	6.5	99.9	43.8	7.9	100.0	50.6	8.2
New York	100.0	100.0	4.7	100.0	100.0	4.1	100.0	100.0	3.3
North Carolina	100.0	88.0	12.6	100.0	85.8	11.0	100.0	NA	11.1
North Dakota	100.0	93.6	31.6	100.0	93.3	39.3	100.0	86.4	39.8
Ohio	100.0	100.0	1.1	100.0	100.0	NA	100.0	100.0	NA
Oklahoma	100.0	32.8	8.1	100.0	24.6	6.2	100.0	28.9	8.1
Oregon	100.0	94.6	15.7	100.0	93.6	14.9	100.0	92.4	16.0
Pennsylvania	88.7	37.3	0.9	89.2	31.3	0.5	87.5	26.7	0.3
Rhode Island	100.0	52.1	4.9	100.0	53.9	4.5	100.0	53.2	4.7
South Carolina	100.0	93.2	41.4	100.0	91.0	39.9	100.0	90.3	39.8
South Dakota	100.0	77.5	6.1	100.0	75.6	NA	100.0	70.0	1.6
Tennessee	100.0	88.3	NA	100.0	82.2	23.3	100.0	79.6	21.9
Texas	99.9	71.0	34.9	99.8	65.4	35.4	99.2	59.6	36.0
Utah	100.0	67.3	2.5	100.0	60.0	2.6	100.0	53.5	2.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	91.7	56.3	12.5	94.0	48.3	9.2	90.1	41.6	NA
Washington	100.0	88.1	7.3	100.0	86.0	5.6	100.0	82.0	NA
West Virginia	100.0	59.9	4.0	100.0	46.3	3.8	100.0	31.9	4.0
Wisconsin	100.0	75.2	19.3	100.0	67.0	19.0	100.0	53.4	15.6
Wyoming	70.1	57.1	1.1	69.7	56.6	0.9	72.5	47.2	1.0
<b>Total</b>	<b>96.4</b>	<b>66.5</b>	<b>14.2</b>	<b>96.5</b>	<b>61.0</b>	<b>13.7</b>	<b>96.2</b>	<b>56.5</b>	<b>13.7</b>

See footnotes at end of table.

**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2019 – continued**

State	2018								
	August			July			June		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	71.9	25.6	100.0	71.1	24.5	100.0	73.7	25.3
Alaska	100.0	95.5	100.0	100.0	95.8	100.0	100.0	96.6	100.0
Arizona	NA	NA	NA	100.0	69.6	12.7	100.0	NA	13.3
Arkansas	100.0	23.5	1.4	100.0	24.3	1.2	100.0	24.8	1.1
California	NA	NA	NA	94.5	49.1	3.3	94.6	50.6	4.0
Colorado	100.0	NA	5.8	100.0	90.3	5.8	100.0	90.7	5.1
Connecticut	95.1	71.6	51.6	95.1	72.6	50.1	95.3	72.9	48.6
Delaware	100.0	20.0	0.3	100.0	NA	NA	100.0	NA	NA
District of Columbia	68.5	17.9	0.0	68.9	14.1	0.0	69.0	21.7	0.0
Florida	92.0	NA	3.0	92.6	27.6	2.9	90.9	27.5	3.3
Georgia	100.0	100.0	24.7	100.0	100.0	23.4	100.0	100.0	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	59.0	3.1	100.0	58.7	3.0	100.0	NA	3.2
Illinois	85.7	20.1	2.3	85.0	19.0	2.2	84.0	21.7	3.5
Indiana	95.6	54.2	0.7	95.5	52.6	0.7	95.5	52.6	0.7
Iowa	100.0	50.5	2.0	100.0	46.3	2.1	100.0	47.9	1.9
Kansas	100.0	24.8	13.7	100.0	26.3	16.7	100.0	29.5	11.7
Kentucky	97.9	68.0	16.7	97.8	66.6	16.8	97.6	66.2	17.6
Louisiana	100.0	76.1	4.5	100.0	75.9	4.2	100.0	76.7	4.0
Maine	100.0	NA	6.4	100.0	NA	6.1	100.0	52.1	7.1
Maryland	72.0	18.7	1.3	73.2	21.6	1.2	73.0	17.9	NA
Massachusetts	97.3	27.9	24.8	97.2	29.7	23.7	97.3	34.5	22.9
Michigan	94.0	37.1	2.0	94.1	NA	2.8	94.0	39.4	2.5
Minnesota	100.0	75.4	13.5	100.0	74.1	12.7	100.0	76.8	14.1
Mississippi	100.0	77.9	7.3	100.0	77.3	7.7	100.0	78.1	7.5
Missouri	100.0	58.4	9.9	100.0	58.7	8.3	100.0	60.9	9.6
Montana	99.4	31.0	0.8	99.4	37.8	0.7	99.4	41.9	0.7
Nebraska	89.5	39.5	5.2	89.4	42.2	5.1	89.0	39.9	5.4
Nevada	100.0	46.9	8.7	100.0	48.6	8.2	100.0	50.6	10.9
New Hampshire	100.0	48.1	2.5	100.0	48.6	3.0	100.0	49.7	NA
New Jersey	95.6	25.9	NA	95.5	NA	5.4	95.5	30.9	NA
New Mexico	100.0	49.9	9.3	99.9	37.6	NA	100.0	45.2	NA
New York	100.0	100.0	3.6	100.0	100.0	3.6	100.0	100.0	NA
North Carolina	100.0	NA	8.8	100.0	78.4	8.3	100.0	NA	8.2
North Dakota	100.0	85.3	34.6	100.0	84.5	38.0	100.0	87.2	35.5
Ohio	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	0.5
Oklahoma	100.0	30.0	8.7	100.0	29.0	9.2	100.0	34.0	NA
Oregon	100.0	91.8	13.6	100.0	92.5	13.5	100.0	92.6	14.1
Pennsylvania	87.2	26.7	0.4	87.0	26.2	0.3	86.5	25.9	0.4
Rhode Island	100.0	50.7	4.2	100.0	52.8	3.2	100.0	50.3	3.7
South Carolina	100.0	89.8	38.7	100.0	89.1	38.8	100.0	90.7	40.3
South Dakota	100.0	68.9	1.8	100.0	71.7	1.5	100.0	75.8	1.7
Tennessee	100.0	77.1	22.2	100.0	79.0	20.3	100.0	81.0	21.6
Texas	NA	61.5	35.9	98.5	63.5	34.7	99.2	64.0	35.5
Utah	100.0	55.7	2.3	100.0	55.4	2.9	100.0	66.2	2.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.5	41.8	10.1	86.5	41.8	9.3	88.6	40.8	NA
Washington	100.0	NA	NA	100.0	76.6	NA	100.0	NA	NA
West Virginia	100.0	29.8	4.0	100.0	31.2	3.9	100.0	30.7	4.5
Wisconsin	100.0	48.0	12.1	100.0	51.5	12.5	100.0	53.2	11.2
Wyoming	72.8	48.5	1.1	72.9	46.5	1.2	73.1	46.9	1.3
<b>Total</b>	<b>95.6</b>	<b>54.8</b>	<b>13.9</b>	<b>95.8</b>	<b>56.0</b>	<b>13.7</b>	<b>95.7</b>	<b>57.4</b>	<b>13.7</b>

See footnotes at end of table.

**Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2017-2019 – continued**

State	2018								
	May			April			March		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	76.7	25.8	100.0	78.3	26.5	100.0	77.3	26.9
Alaska	100.0	98.0	100.0	100.0	98.9	100.0	100.0	99.1	100.0
Arizona	100.0	NA	12.2	100.0	NA	NA	100.0	NA	11.4
Arkansas	100.0	33.9	1.2	100.0	39.9	1.4	100.0	45.6	1.4
California	94.6	53.8	4.1	94.6	52.1	4.3	94.8	54.8	4.5
Colorado	100.0	91.0	6.5	100.0	92.8	7.2	100.0	94.4	7.8
Connecticut	NA	72.7	49.4	96.2	76.6	52.3	96.4	79.0	48.0
Delaware	100.0	33.2	NA	100.0	41.6	NA	100.0	NA	NA
District of Columbia	75.2	18.9	0.0	76.9	20.2	0.0	75.1	NA	0.0
Florida	90.8	29.0	4.5	90.5	29.6	4.1	90.5	29.5	3.8
Georgia	100.0	100.0	23.2	100.0	100.0	24.2	100.0	100.0	23.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	61.2	2.8	100.0	74.8	3.0	100.0	80.0	2.6
Illinois	77.4	21.5	6.1	85.4	34.5	8.5	86.6	37.6	8.9
Indiana	95.1	51.9	1.0	95.9	66.5	1.9	96.0	69.5	1.9
Iowa	100.0	52.3	2.3	100.0	67.5	2.3	100.0	69.3	2.9
Kansas	100.0	33.9	9.5	100.0	53.9	5.6	100.0	56.3	4.3
Kentucky	95.3	69.6	16.3	96.4	78.8	15.7	97.4	81.5	16.4
Louisiana	100.0	78.9	3.6	100.0	78.7	4.4	NA	NA	3.6
Maine	100.0	57.7	8.2	100.0	61.8	10.3	100.0	63.6	10.4
Maryland	NA	NA	1.8	76.1	24.8	NA	76.0	32.4	NA
Massachusetts	97.3	42.8	30.5	97.7	48.8	28.4	NA	NA	30.5
Michigan	90.2	41.7	4.5	93.4	62.0	7.9	93.8	60.5	8.5
Minnesota	NA	NA	NA	100.0	87.9	18.0	NA	NA	22.1
Mississippi	100.0	80.4	7.5	100.0	83.0	8.4	100.0	NA	8.4
Missouri	100.0	67.7	12.2	100.0	75.4	16.4	100.0	75.9	14.7
Montana	99.5	49.0	1.2	99.5	51.4	2.0	NA	NA	2.4
Nebraska	87.5	50.1	6.3	88.3	58.8	6.3	88.4	60.6	6.8
Nevada	100.0	53.1	13.8	100.0	57.5	15.3	100.0	64.9	17.6
New Hampshire	100.0	53.6	6.0	100.0	56.8	NA	100.0	58.2	NA
New Jersey	95.4	32.8	NA	95.3	38.8	NA	95.5	47.2	NA
New Mexico	100.0	58.3	NA	100.0	60.8	6.0	100.0	61.3	4.4
New York	100.0	100.0	5.6	100.0	100.0	7.2	100.0	100.0	7.5
North Carolina	100.0	80.3	9.2	100.0	82.7	11.5	100.0	89.0	12.4
North Dakota	100.0	NA	29.5	100.0	92.9	40.9	100.0	NA	35.1
Ohio	100.0	100.0	0.6	100.0	100.0	1.2	100.0	100.0	1.1
Oklahoma	100.0	46.3	7.8	100.0	45.6	7.5	100.0	54.3	7.6
Oregon	100.0	92.2	14.2	100.0	93.8	16.1	100.0	94.8	16.7
Pennsylvania	84.7	31.3	0.8	85.8	35.7	1.4	87.5	40.6	1.7
Rhode Island	100.0	47.6	3.6	100.0	52.1	NA	100.0	54.0	3.8
South Carolina	100.0	89.7	41.7	100.0	89.9	41.5	100.0	92.4	NA
South Dakota	100.0	NA	3.6	100.0	83.2	NA	NA	NA	6.0
Tennessee	100.0	84.3	24.2	100.0	88.9	23.4	100.0	NA	25.6
Texas	99.4	66.9	35.1	99.7	70.5	36.7	99.9	75.9	38.6
Utah	100.0	NA	3.0	100.0	70.0	3.2	100.0	74.7	3.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	86.0	38.7	8.5	89.0	49.4	11.5	91.8	58.6	12.5
Washington	100.0	79.5	4.6	100.0	NA	6.6	100.0	87.3	NA
West Virginia	NA	36.0	4.7	100.0	57.3	4.5	100.0	65.3	4.0
Wisconsin	100.0	61.5	15.4	100.0	74.1	20.0	100.0	75.8	19.0
Wyoming	71.9	47.9	1.4	71.2	49.5	1.6	70.1	49.7	1.7
<b>Total</b>	<b>94.8</b>	<b>59.7</b>	<b>13.8</b>	<b>95.6</b>	<b>65.3</b>	<b>14.7</b>	<b>95.9</b>	<b>68.4</b>	<b>15.0</b>

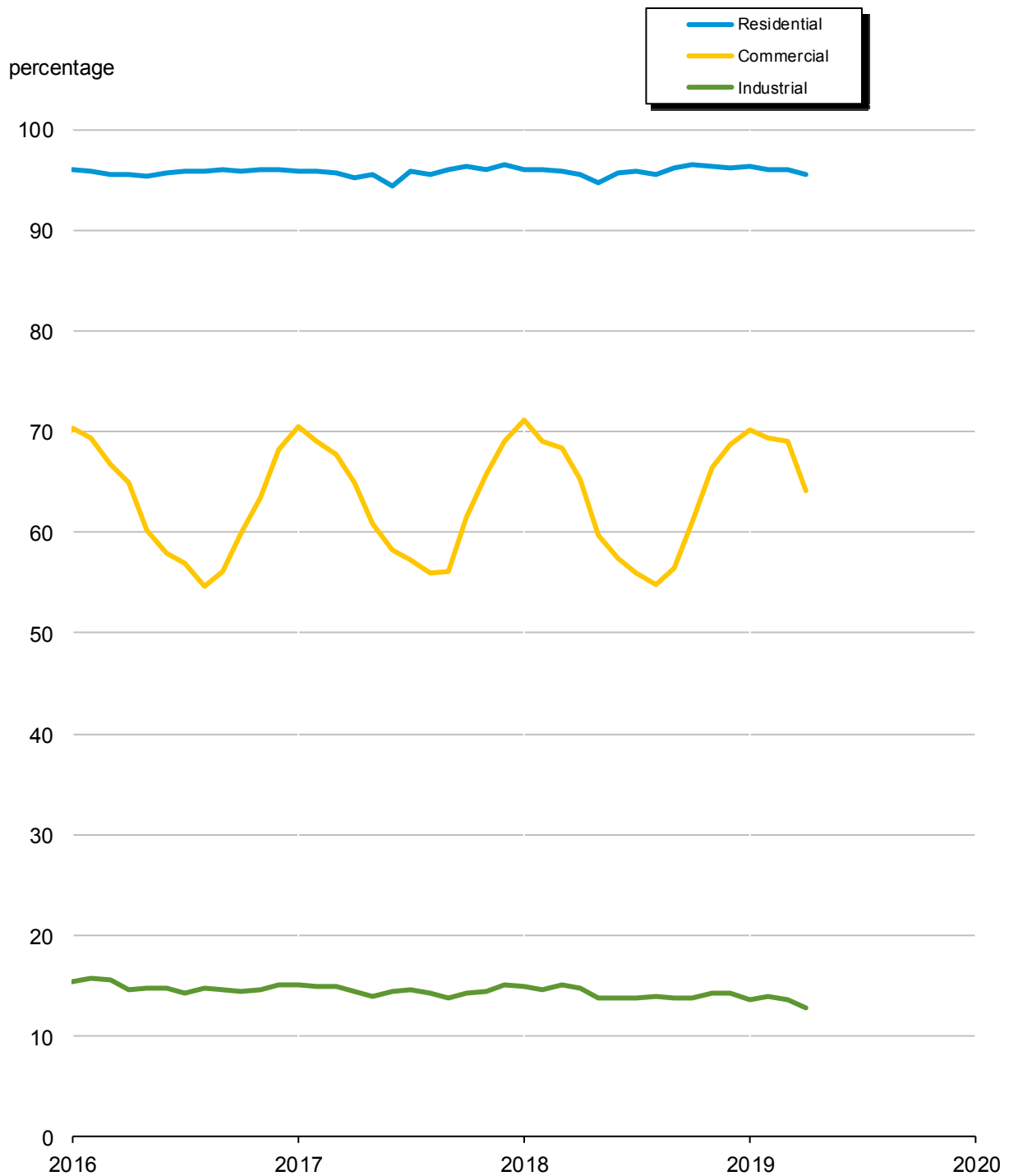
– Not applicable.

NA Not available.

**Notes:** Volumes of natural gas reported for the residential, commercial, and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percentage of the total state volume that represents natural gas sales to the residential, commercial, and industrial sectors. This information may be helpful in evaluating residential, commercial, and industrial price data which are based on sales data only. Residential and commercial price data are based on total gas deliveries in the states of Georgia, New York and Ohio only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

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

Figure 6. Percentage of total deliveries included in residential, commercial, and industrial price estimates, 2016-2019



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, 2017-2019**  
(Btu per cubic foot)

State	2019	2018	2017	2019			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	1,023	1,027	1,029	1,023	1,021	1,021	1,025
Alaska	984	989	998	980	982	981	990
Arizona	1,036	1,041	1,041	1,035	1,036	1,037	1,036
Arkansas	1,017	1,018	1,026	1,017	1,016	1,018	1,018
California	1,032	1,033	1,034	1,032	1,031	1,033	1,032
Colorado	1,080	1,068	1,061	1,087	1,077	1,078	1,081
Connecticut	1,029	1,029	1,026	1,028	1,030	1,030	1,030
Delaware	1,040	1,042	1,043	1,038	1,039	1,040	1,041
District of Columbia	1,044	1,043	1,046	1,040	1,044	1,046	1,045
Florida	1,021	1,023	1,024	1,023	1,020	1,020	1,021
Georgia	1,023	1,028	1,031	1,021	1,021	1,022	1,026
Hawaii	950	971	960	958	946	961	938
Idaho	1,030	1,043	1,037	1,037	1,030	1,029	1,028
Illinois	1,034	1,032	1,032	1,032	1,033	1,034	1,035
Indiana	1,044	1,042	1,039	1,049	1,045	1,043	1,043
Iowa	1,056	1,054	1,052	1,060	1,054	1,054	1,055
Kansas	1,039	1,037	1,039	1,044	1,036	1,036	1,043
Kentucky	1,050	1,055	1,039	1,052	1,046	1,050	1,051
Louisiana	1,021	1,021	1,034	1,023	1,021	1,020	1,021
Maine	1,043	1,039	1,039	1,036	1,042	1,045	1,048
Maryland	1,049	1,048	1,053	1,045	1,050	1,050	1,050
Massachusetts	1,033	1,032	1,031	1,030	1,031	1,034	1,035
Michigan	1,052	1,046	1,043	1,053	1,051	1,053	1,052
Minnesota	1,043	1,038	1,030	1,053	1,043	1,026	1,047
Mississippi	1,026	1,024	1,035	1,030	1,030	1,023	1,023
Missouri	1,022	1,023	1,022	1,022	1,021	1,020	1,022
Montana	1,047	1,044	1,032	1,051	1,049	1,045	1,045
Nebraska	1,059	1,050	1,056	1,073	1,055	1,056	1,059
Nevada	1,037	1,037	1,040	1,039	1,034	1,039	1,035
New Hampshire	1,035	1,034	1,031	1,030	1,034	1,035	1,041
New Jersey	1,042	1,040	1,042	1,038	1,041	1,044	1,044
New Mexico	1,026	1,034	1,043	1,024	1,022	1,027	1,031
New York	1,034	1,032	1,033	1,032	1,033	1,034	1,034
North Carolina	1,028	1,028	1,035	1,030	1,029	1,027	1,027
North Dakota	1,086	1,081	1,059	1,092	1,087	1,089	1,079
Ohio	1,065	1,066	1,071	1,065	1,065	1,065	1,065
Oklahoma	1,026	1,037	1,045	1,027	1,027	1,030	1,022
Oregon	1,052	1,069	1,041	1,048	1,048	1,054	1,055
Pennsylvania	1,039	1,039	1,040	1,037	1,038	1,039	1,039
Rhode Island	1,028	1,029	1,029	1,028	1,028	1,028	1,029
South Carolina	1,024	1,029	1,030	1,025	1,022	1,021	1,026
South Dakota	1,064	1,060	1,055	1,067	1,064	1,064	1,062
Tennessee	1,028	1,027	1,028	1,032	1,027	1,027	1,029
Texas	1,023	1,025	1,029	1,024	1,022	1,021	1,024
Utah	1,043	1,041	1,043	1,046	1,043	1,041	1,042
Vermont	1,039	1,035	1,033	1,034	1,037	1,041	1,042
Virginia	1,056	1,051	1,053	1,053	1,057	1,056	1,055
Washington	1,085	1,088	1,078	1,084	1,083	1,086	1,087
West Virginia	1,087	1,088	1,085	1,091	1,087	1,088	1,085
Wisconsin	1,044	1,038	1,037	1,044	1,047	1,040	1,046
Wyoming	1,071	1,058	1,067	1,071	1,070	1,071	1,072
<b>Total</b>	<b>1,037</b>	<b>1,037</b>	<b>1,038</b>	<b>1,036</b>	<b>1,037</b>	<b>1,037</b>	<b>1,038</b>

See footnotes at end of table.



**Table 25. Heating value of natural gas consumed, by state, 2017-2019**  
(Btu per cubic foot) – continued

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

See footnotes at end of table.

**Table 25. Heating value of natural gas consumed, by state, 2017-2019**  
(Btu per cubic foot) – continued

State	2018						2017
	June	May	April	March	February	January	Total
Alabama	1,027	1,028	1,027	1,028	1,026	1,026	1,030
Alaska	953	980	987	982	991	995	989
Arizona	1,041	1,037	1,035	1,043	1,041	1,045	1,041
Arkansas	1,017	1,018	1,016	1,017	1,019	1,016	1,019
California	1,034	1,033	1,031	1,032	1,034	1,036	1,035
Colorado	1,089	1,081	1,071	1,072	1,064	1,066	1,065
Connecticut	1,027	1,027	1,029	1,029	1,029	1,030	1,028
Delaware	1,043	1,035	1,037	1,043	1,043	1,044	1,042
District of Columbia	1,029	1,027	1,038	1,044	1,042	1,047	1,039
Florida	1,021	1,023	1,023	1,024	1,023	1,024	1,024
Georgia	1,028	1,028	1,027	1,029	1,028	1,028	1,030
Hawaii	956	974	974	973	971	965	975
Idaho	1,029	1,058	1,053	1,040	1,039	1,045	1,041
Illinois	1,026	1,029	1,032	1,031	1,033	1,032	1,029
Indiana	1,054	1,048	1,042	1,043	1,039	1,041	1,043
Iowa	1,066	1,061	1,055	1,051	1,054	1,054	1,056
Kansas	1,048	1,041	1,036	1,037	1,036	1,037	1,034
Kentucky	1,044	1,046	1,061	1,055	1,051	1,054	1,046
Louisiana	1,022	1,023	1,019	1,021	1,021	1,022	1,022
Maine	1,047	1,041	1,042	1,044	1,035	1,035	1,030
Maryland	1,038	1,041	1,045	1,052	1,043	1,051	1,047
Massachusetts	1,029	1,029	1,029	1,032	1,032	1,033	1,030
Michigan	1,053	1,044	1,046	1,047	1,046	1,044	1,043
Minnesota	1,052	1,040	1,039	1,037	1,038	1,037	1,033
Mississippi	1,025	1,030	1,025	1,024	1,024	1,024	1,032
Missouri	1,031	1,027	1,021	1,023	1,023	1,023	1,010
Montana	1,051	1,048	1,045	1,047	1,043	1,044	1,041
Nebraska	1,062	1,059	1,053	1,053	1,043	1,052	1,061
Nevada	1,041	1,041	1,037	1,036	1,036	1,038	1,039
New Hampshire	1,030	1,028	1,032	1,033	1,033	1,036	1,030
New Jersey	1,034	1,034	1,039	1,040	1,039	1,042	1,039
New Mexico	1,042	1,034	1,032	1,031	1,035	1,040	1,042
New York	1,029	1,029	1,031	1,033	1,032	1,033	1,032
North Carolina	1,029	1,030	1,025	1,027	1,028	1,029	1,036
North Dakota	1,076	1,087	1,078	1,080	1,074	1,098	1,080
Ohio	1,060	1,061	1,065	1,065	1,064	1,068	1,070
Oklahoma	1,031	1,033	1,032	1,035	1,039	1,041	1,042
Oregon	1,080	1,080	1,080	1,070	1,070	1,063	1,062
Pennsylvania	1,036	1,037	1,037	1,039	1,039	1,041	1,040
Rhode Island	1,028	1,028	1,029	1,029	1,029	1,029	1,029
South Carolina	1,027	1,028	1,029	1,029	1,029	1,029	1,031
South Dakota	1,063	1,055	1,058	1,057	1,061	1,063	1,055
Tennessee	1,022	1,023	1,028	1,028	1,027	1,025	1,031
Texas	1,027	1,026	1,024	1,025	1,024	1,026	1,029
Utah	1,040	1,042	1,043	1,034	1,042	1,044	1,042
Vermont	1,033	1,026	1,034	1,036	1,035	1,036	1,030
Virginia	1,051	1,048	1,050	1,056	1,049	1,053	1,053
Washington	1,088	1,088	1,090	1,090	1,086	1,085	1,080
West Virginia	1,100	1,106	1,091	1,085	1,086	1,091	1,083
Wisconsin	1,039	1,032	1,040	1,039	1,035	1,040	1,035
Wyoming	1,057	1,058	1,057	1,057	1,060	1,054	1,060
<b>Total</b>	<b>1,035</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>

See footnotes at end of table.



**Table 25. Heating value of natural gas consumed, by state, 2017-2019**  
(Btu per cubic foot) – continued

State	2017						
	December	November	October	September	August	July	June
Alabama	1,027	1,029	1,030	1,031	1,030	1,031	1,030
Alaska	992	996	983	980	964	974	988
Arizona	1,042	1,040	1,039	1,047	1,040	1,039	1,037
Arkansas	1,014	1,014	1,021	1,020	1,018	1,017	1,019
California	1,034	1,033	1,032	1,036	1,036	1,037	1,037
Colorado	1,065	1,061	1,069	1,067	1,074	1,072	1,069
Connecticut	1,029	1,029	1,026	1,026	1,026	1,026	1,025
Delaware	1,047	1,044	1,042	1,042	1,040	1,038	1,037
District of Columbia	1,045	1,041	1,033	1,034	1,034	1,030	1,029
Florida	1,022	1,020	1,021	1,022	1,025	1,024	1,023
Georgia	1,026	1,026	1,028	1,032	1,030	1,032	1,032
Hawaii	989	969	984	978	983	987	987
Idaho	1,038	1,031	1,030	1,037	1,034	1,035	1,069
Illinois	1,031	1,032	1,030	1,027	1,027	1,027	1,027
Indiana	1,043	1,050	1,049	1,049	1,050	1,049	1,044
Iowa	1,059	1,058	1,060	1,061	1,059	1,058	1,056
Kansas	1,032	1,038	1,034	1,037	1,034	1,034	1,033
Kentucky	1,055	1,056	1,060	1,051	1,042	1,040	1,043
Louisiana	1,021	1,020	1,023	1,025	1,022	1,022	1,020
Maine	1,031	1,030	1,022	1,017	1,018	1,017	1,021
Maryland	1,048	1,038	1,042	1,045	1,047	1,044	1,041
Massachusetts	1,031	1,030	1,030	1,030	1,031	1,032	1,030
Michigan	1,044	1,043	1,042	1,043	1,043	1,042	1,042
Minnesota	1,039	1,038	1,032	1,029	1,027	1,030	1,028
Mississippi	1,026	1,027	1,027	1,031	1,030	1,035	1,035
Missouri	1,021	1,021	1,022	1,020	1,021	1,018	1,020
Montana	1,052	1,045	1,052	1,042	1,048	1,045	1,040
Nebraska	1,059	1,054	1,065	1,071	1,069	1,070	1,066
Nevada	1,039	1,030	1,035	1,038	1,039	1,043	1,044
New Hampshire	1,033	1,031	1,029	1,028	1,028	1,026	1,030
New Jersey	1,042	1,042	1,036	1,039	1,038	1,036	1,036
New Mexico	1,042	1,042	1,041	1,046	1,045	1,043	1,040
New York	1,034	1,033	1,031	1,031	1,031	1,030	1,031
North Carolina	1,026	1,032	1,040	1,038	1,036	1,037	1,038
North Dakota	1,104	1,086	1,094	1,100	1,083	1,085	1,085
Ohio	1,074	1,071	1,076	1,070	1,069	1,067	1,068
Oklahoma	1,037	1,036	1,036	1,051	1,043	1,043	1,044
Oregon	1,059	1,062	1,059	1,058	1,067	1,073	1,086
Pennsylvania	1,042	1,041	1,039	1,039	1,038	1,038	1,038
Rhode Island	1,029	1,029	1,030	1,030	1,030	1,030	1,030
South Carolina	1,028	1,029	1,031	1,032	1,030	1,030	1,030
South Dakota	1,067	1,058	1,056	1,055	1,054	1,054	1,050
Tennessee	1,031	1,030	1,027	1,026	1,029	1,030	1,032
Texas	1,029	1,027	1,028	1,034	1,030	1,030	1,028
Utah	1,043	1,042	1,041	1,041	1,039	1,041	1,041
Vermont	1,033	1,033	1,026	1,021	1,022	1,020	1,026
Virginia	1,057	1,052	1,051	1,050	1,051	1,051	1,052
Washington	1,084	1,084	1,082	1,075	1,083	1,091	1,082
West Virginia	1,073	1,086	1,081	1,087	1,055	1,092	1,105
Wisconsin	1,035	1,039	1,034	1,027	1,027	1,026	1,029
Wyoming	1,052	1,047	1,049	1,050	1,058	1,055	1,053
<b>Total</b>	<b>1,039</b>	<b>1,037</b>	<b>1,035</b>	<b>1,036</b>	<b>1,035</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, 2017-2019**  
(Btu per cubic foot) – continued

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

## 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 2018 forward, volumes are available only for those states/areas that were collected

individually on the EIA-914 report (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 report (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 2014 through 2017 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 these five 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 2019 for report year 2018 totaled approximately 2,084 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 325 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 160 natural gas marketers currently report to the survey. Final monthly survey response rates are 100 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,

$\sigma_\epsilon^2 = \sum_{i=1}^n \sigma_{0i}^2 / (n - 1)$ , 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, April 2019

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	2.5	3.0	1.3	1.2	0.14	0.07	0.07
Alaska	0.8	NA	0.0	NA	0.03	NA	0.00
Arizona	2.8	3.4	2.9	1.8	0.15	0.12	0.10
Arkansas	1.6	0.2	2.1	1.3	0.02	0.01	0.04
California	0.8	0.6	0.6	0.4	0.14	0.10	0.06
Colorado	0.9	0.7	1.8	0.7	0.07	0.06	0.03
Connecticut	0.5	0.4	0.1	0.2	0.13	0.09	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	1.7	0.9	NA	NA	0.42	NA	0.57
Georgia	0.0	0.0	1.1	0.0	0.00	0.05	0.15
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.5	0.6	0.0	0.2	0.02	0.01	0.00
Illinois	0.6	0.8	2.4	0.8	0.09	0.10	0.18
Indiana	1.4	0.5	2.2	1.6	0.12	0.10	0.33
Iowa	1.2	0.8	0.9	0.7	0.10	0.11	0.22
Kansas	3.4	0.6	NA	NA	NA	NA	0.25
Kentucky	1.5	2.1	2.7	2.0	0.21	0.11	0.14
Louisiana	2.1	1.4	1.7	1.7	0.19	0.13	0.04
Maine	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Maryland	0.6	1.8	0.5	0.9	0.06	0.20	0.00
Massachusetts	0.7	0.8	1.8	0.6	0.08	0.18	0.23
Michigan	0.5	0.5	4.2	1.2	0.06	0.07	0.07
Minnesota	3.1	2.4	5.1	2.4	0.11	0.12	0.11
Mississippi	1.1	0.9	5.0	4.2	0.13	0.12	NA
Missouri	2.1	0.3	2.7	1.2	0.05	0.02	0.08
Montana	0.9	0.6	0.1	0.4	0.04	0.07	0.31
Nebraska	3.0	1.5	3.7	2.2	0.03	0.03	0.16
Nevada	0.0	0.0	0.1	0.0	0.00	0.00	0.03
New Hampshire	0.0	0.0	0.0	0.0	0.00	0.00	0.00
New Jersey	0.0	0.0	1.8	0.2	0.00	0.00	0.00
New Mexico	3.1	0.7	2.4	1.5	NA	NA	0.00
New York	0.0	0.0	3.2	0.0	0.06	0.05	0.21
North Carolina	2.2	1.0	0.9	0.7	0.16	0.05	0.24
North Dakota	0.2	0.2	0.3	0.2	0.01	0.02	0.00
Ohio	0.0	0.0	0.8	0.0	0.05	0.04	0.32
Oklahoma	3.3	1.5	1.0	0.9	0.02	0.12	0.03
Oregon	0.0	0.0	1.1	0.5	0.00	0.00	0.00
Pennsylvania	2.9	1.4	2.0	1.3	0.13	0.13	0.21
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	1.7	1.9	1.8	1.3	0.54	0.20	0.10
South Dakota	0.6	0.4	2.2	1.4	0.03	0.03	0.00
Tennessee	2.3	1.9	1.5	1.1	0.13	0.13	0.29
Texas	2.6	2.2	1.2	1.0	0.55	0.36	0.02
Utah	0.6	0.2	0.0	0.2	0.00	0.00	0.02
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	1.2	1.2	1.0	0.7	0.24	0.16	0.25
Washington	1.0	0.9	1.4	0.7	0.21	0.17	0.10
West Virginia	4.2	0.3	0.4	1.0	0.49	0.15	0.00
Wisconsin	1.0	1.2	2.3	1.1	0.08	0.11	0.11
Wyoming	0.6	0.8	NA	NA	0.03	0.02	0.06
<b>Total</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.3</b>	<b>0.04</b>	<b>0.03</b>	<b>0.02</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.