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Natural Gas Monthly

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Preface

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

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

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

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

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Highlights

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

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy’s Form FE-746R, “*Natural Gas Imports and Exports*.” These updates are reflected in Table 5 of this month’s NGM.

Abbreviations

Common Abbreviations Used in the *Natural Gas Monthly*

Bcf	Billion cubic feet
CNG	Compressed natural gas
DOE	U.S. Department of Energy
EIA	Energy Information Administration, U.S. Department of Energy
FERC	Federal Energy Regulatory Commission
GOM	Gulf of Mexico
LNG	Liquefied natural gas
Mcf	Thousand cubic feet
MMcf	Million cubic feet
NGPL	Natural gas plant liquid
Tcf	Trillion cubic feet

Table 1. Summary of natural gas supply and disposition in the United States, 2014-2019

(billion cubic feet)

Year and Month	Gross Withdrawals	Marketed Production	NGPL Production ^a	Dry Gas Production ^b	Supplemental Gaseous Fuels ^c	Net Imports	Net Storage Withdrawals ^d	Balancing Item ^e	Consumption ^f
2014 Total	31,405	27,498	1,608	25,890	60	1,181	-254	-283	26,593
2015 Total	32,915	28,772	1,707	27,065	59	935	-547	-268	27,244
2016 Total	32,592	28,400	1,808	26,592	57	671	340	-216	27,444
2017									
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
Total	33,357	29,197	1,906	27,291	66	-125	254	-375	27,110
2018									
January	€2,959	€2,586	171	€2,415	6	3	896	-10	3,310
February	€2,724	€2,385	163	€2,222	6	-36	467	42	2,701
March	€3,048	€2,673	188	€2,485	6	-18	285	15	2,773
April	€2,960	€2,598	185	€2,413	5	-35	-32	-14	2,337
May	€3,082	€2,713	193	€2,521	5	-44	-423	-11	2,047
June	€2,955	€2,641	188	€2,453	6	R-32	-349	R-28	2,050
July	€3,108	€2,784	198	€2,585	5	R-58	-186	*	2,346
August	€3,180	€2,845	205	€2,640	6	R-73	-235	R-26	2,311
September	€3,135	€2,790	199	€2,591	6	R-86	-334	R-17	2,159
October	€3,272	€2,909	206	€2,703	6	R-90	-291	R-52	2,276
November	€3,233	€2,855	198	€2,657	6	R-125	205	R-55	2,688
December	€3,353	€2,957	200	€2,756	5	R-106	320	R-17	2,959
Total	€37,009	€32,735	2,295	€30,440	68	R-700	323	R-173	29,958
2019									
January	RE3,356	RE2,955	204	RE2,751	5	R-74	709	R-11	3,379
February	RE3,044	RE2,691	191	RE2,501	6	R-96	568	R6	2,985
March	€3,364	€2,984	213	€2,771	6	-119	245	-20	2,882
2019 3-Month YTD	€9,764	€8,630	608	€8,022	17	-289	1,522	-25	9,246
2018 3-Month YTD	€8,731	€7,644	522	€7,122	19	-51	1,647	47	8,784
2017 3-Month YTD	8,065	6,932	452	6,479	16	28	1,260	-24	7,759

^a Monthly natural gas plant liquid (NGPL) production, gaseous equivalent, is derived from sample data reported by gas processing plants on Form EIA-816, "Monthly Natural Gas Liquids Report," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production."

^b Equal to marketed production minus NGPL production.

^c Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Co. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Co.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Co. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^d Monthly and annual data for 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.

^e Represents quantities lost and imbalances in data due to differences among data sources. Net imports and balancing item for 2014 and 2015 excludes net intransit deliveries.

These net intransit deliveries were (in billion cubic feet): 74 for 2017; 70 for 2016; 57 for 2015; and 27 for 2014. See Appendix A, Explanatory Note 7, for full discussion.

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

* Volume is between -500 MMcf and 500 MMcf.

^R Revised data.

^E Estimated data.

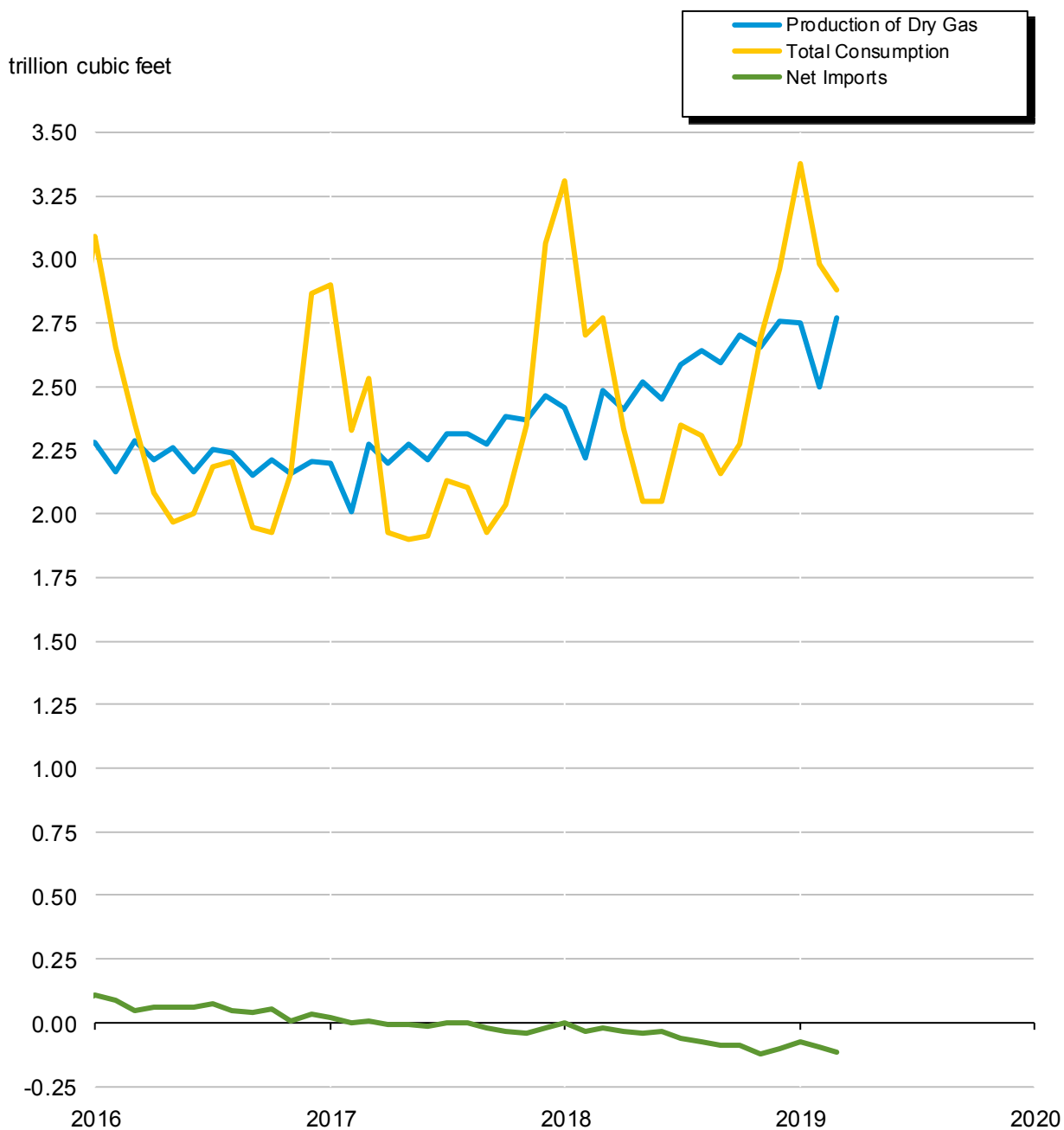
^{RE} Revised estimated data.

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 ^a	Pipeline and Distribution Use ^b	Delivered to Consumers						Total Consumption	Heating Value ^c (Btu per cubic foot)
			Residential	Commercial	Industrial	Electric Power	Vehicle Fuel	Total		
2014 Total	1,512	700	5,087	3,466	7,646	8,146	35	24,381	26,593	1,032
2015 Total	1,576	678	4,613	3,202	7,522	9,613	39	24,989	27,244	1,037
2016 Total	1,545	687	4,347	3,110	7,729	9,985	42	25,212	27,444	1,037
2017										
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
Total	1,564	722	4,412	3,164	7,949	9,250	49	24,824	27,110	1,036
2018										
January	€139	€88	976	548	771	785	€4	3,084	3,310	1,038
February	€128	€72	687	420	689	701	€3	2,501	2,701	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	2,337	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
Total	€1,754	€797	4,975	3,477	8,286	10,626	€43	27,407	29,958	1,036
2019										
January	€158	€90	949	552	791	834	€4	3,131	3,379	1,038
February	€144	€79	807	472	710	769	€4	2,761	2,985	1,037
March	€160	€77	686	423	741	792	€4	2,646	2,882	1,037
2019 3-Month YTD	€462	€246	2,442	1,447	2,242	2,396	€12	8,538	9,246	1,037
2018 3-Month YTD	€410	€234	2,319	1,382	2,187	2,242	€11	8,141	8,784	1,037
2017 3-Month YTD	371	209	1,990	1,210	2,082	1,885	12	7,179	7,759	1,038

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

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

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

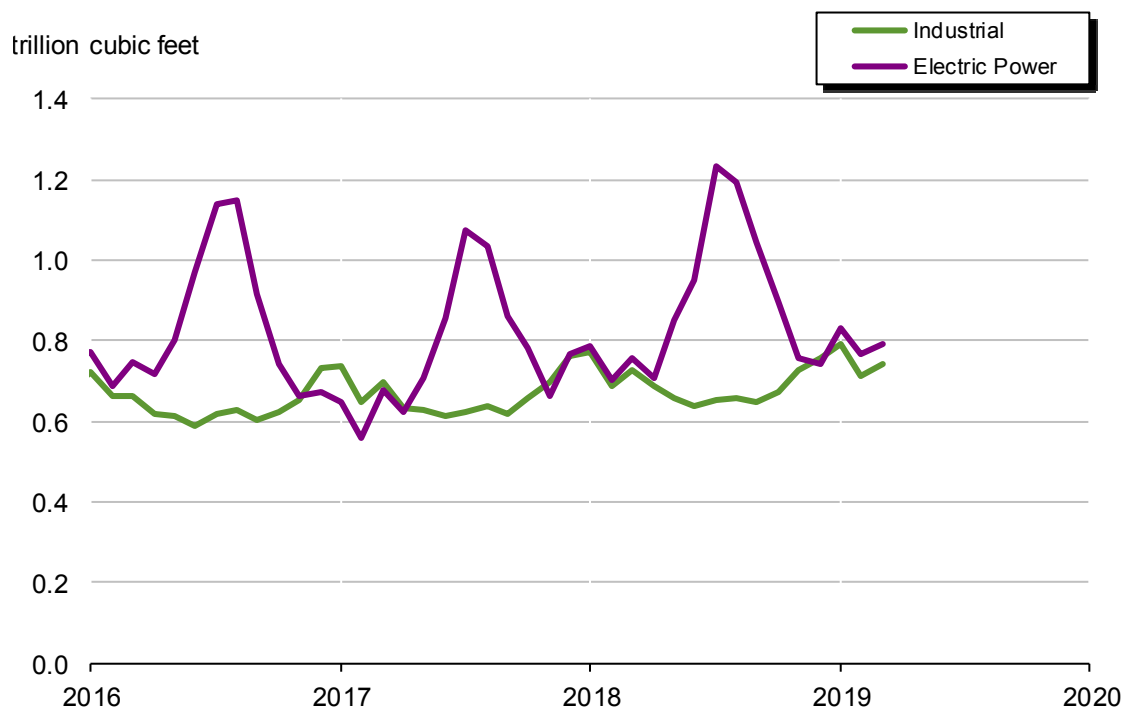
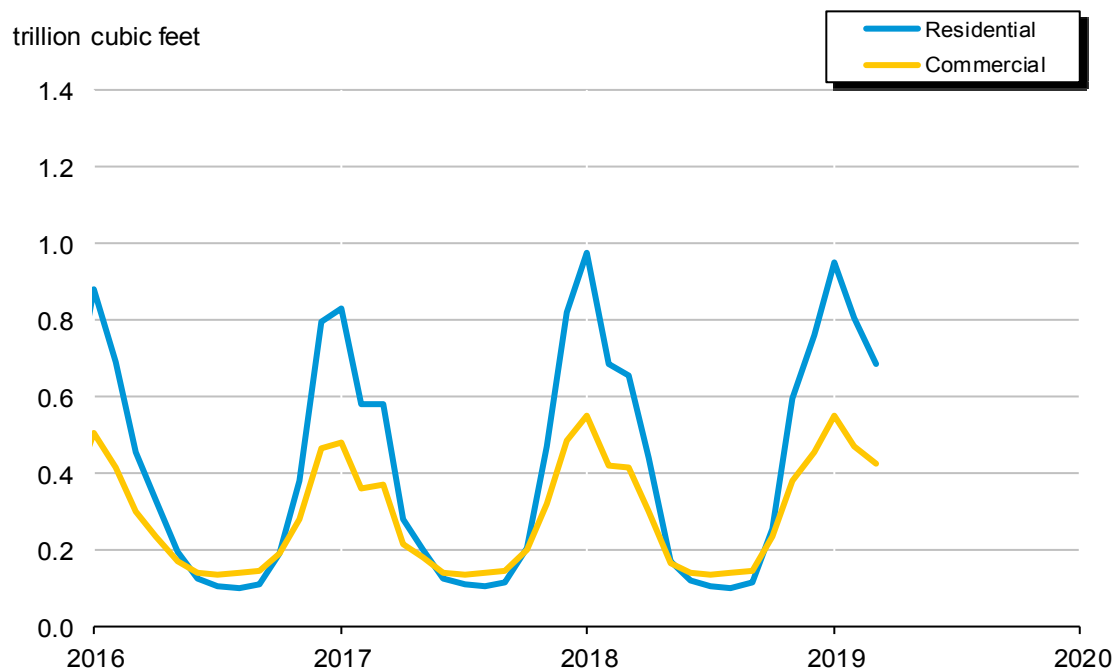
^e Estimated data.

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 ^a	Natural Gas Spot Price ^b	Citygate Price	Delivered to Consumers						
				Residential		Commercial		Industrial		Electric Power Price ^d
				Price	% of Total ^c	Price	% of Total ^c	Price	% of Total ^c	
2014 Annual Average	9.56	4.37	5.71	10.97	95.5	8.90	65.8	5.62	15.9	5.19
2015 Annual Average	4.97	2.62	4.26	10.38	95.6	7.91	65.7	3.93	14.8	3.38
2016 Annual Average	5.04	2.52	3.71	10.05	95.8	7.28	64.8	3.51	14.9	2.99
2017										
January	6.78	3.30	4.21	9.32	95.9	7.58	70.5	4.87	15.0	4.33
February	7.24	2.85	4.13	10.01	95.8	7.89	69.0	4.56	14.9	3.74
March	5.91	2.88	3.84	9.86	95.7	7.68	67.7	3.94	14.9	3.52
April	6.25	3.10	4.20	11.34	95.2	8.04	65.0	4.13	14.5	3.50
May	6.14	3.15	4.42	13.26	95.5	8.31	60.8	4.03	13.9	3.61
June	5.73	2.97	4.82	16.06	94.4	8.75	58.2	4.06	14.5	3.41
July	6.27	2.98	4.73	17.86	95.8	8.81	57.2	3.93	14.6	3.32
August	7.01	2.90	4.61	18.22	95.6	8.76	55.9	3.79	14.2	3.27
September	7.80	2.98	4.52	16.92	96.1	8.52	56.2	3.84	13.7	3.31
October	7.84	2.88	4.03	13.36	96.4	7.97	61.5	3.79	14.2	3.27
November	8.03	3.01	3.97	10.15	96.0	7.51	65.8	3.85	14.5	3.50
December	7.82	2.82	4.00	9.29	96.5	7.42	69.1	4.21	15.0	3.81
Annual Average	6.92	2.99	4.16	10.91	95.9	7.88	65.4	4.10	14.5	3.52
2018										
January	7.91	3.87	4.29	8.91	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
Annual Average	8.20	3.16	4.21	10.52	96.0	7.83	65.6	4.20	14.2	3.67
2019										
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
2019 3-Month YTD	6.55	2.93	4.02	9.46	96.2	7.62	69.6	4.68	13.7	3.85
2018 3-Month YTD	7.49	3.04	4.03	9.38	96.0	7.64	69.7	4.45	14.9	4.16
2017 3-Month YTD	6.62	3.01	4.08	9.69	95.8	7.71	69.2	4.46	14.9	3.86

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

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

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

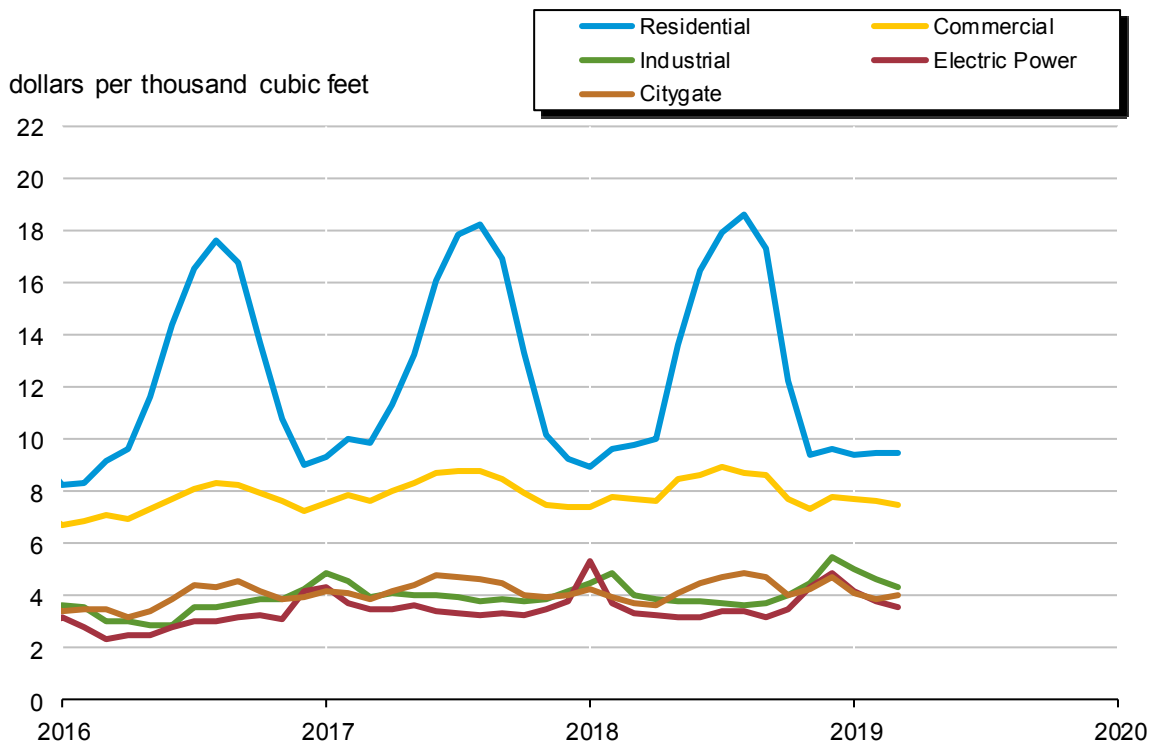
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^R Revised data.

Notes: Prices are in nominal dollars. Data for 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.

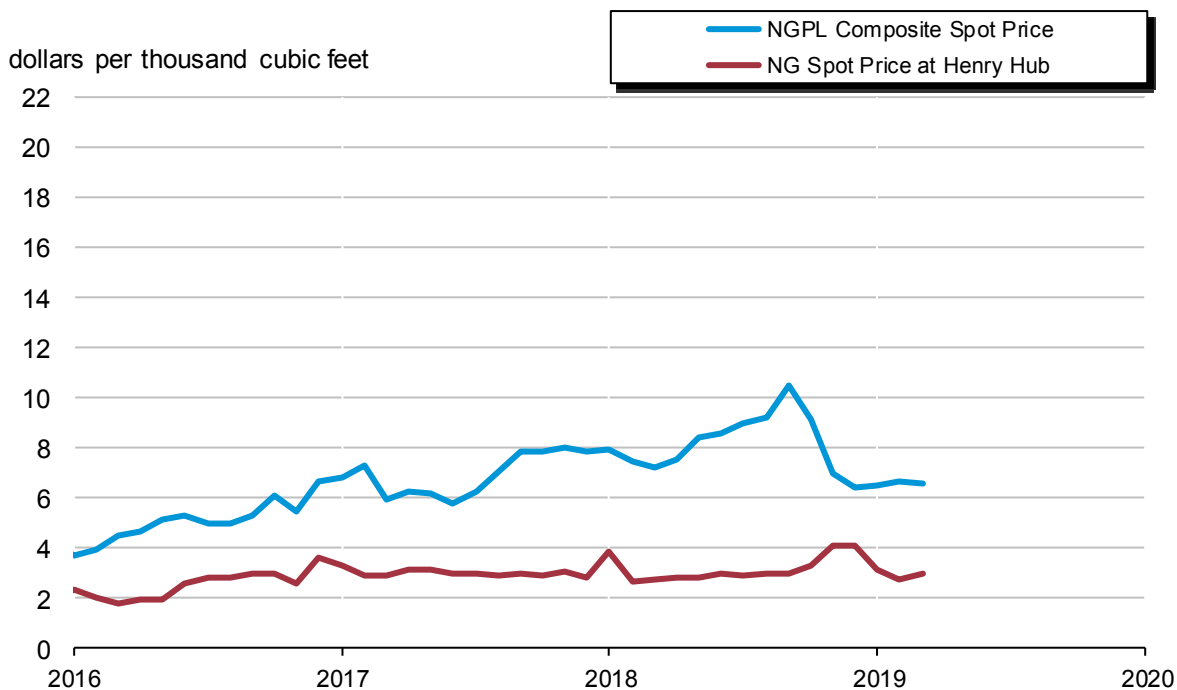
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2016-2019



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 3-Month YTD	2018 3-Month YTD	2017 3-Month YTD	March	February	2019 January	2018 Total
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	751,227	787,468	800,177	249,284	R225,647	R276,296	2,833,804
Mexico	300	1,055	240	133	100	67	3,316
Total Pipeline Imports	751,527	788,522	800,416	249,418	R225,747	R276,363	2,837,120
LNG							
By Truck							
Canada	178	85	34	44	56	78	1,885
By Vessel							
France	2,608	2,768	0	0	0	2,608	2,768
Nigeria	0	0	2,753	0	0	0	2,860
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	22,675	23,911	23,522	3,456	7,472	11,748	65,819
United Kingdom	0	3,119	0	0	0	0	3,119
Total LNG Imports	25,461	29,883	26,310	3,499	7,528	14,434	76,451
CNG							
Canada	128	99	94	47	39	42	359
Total CNG Imports	128	99	94	47	39	42	359
Total Imports	777,116	818,505	826,820	252,964	R233,313	R290,839	2,913,930
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.59	2.93	2.94	3.63	R3.60	3.55	2.57
Mexico	4.35	4.06	2.83	4.06	5.29	3.55	4.34
Total Pipeline Imports	3.59	2.93	2.94	3.63	R3.60	3.55	2.58
LNG							
By Truck							
Canada	7.07	7.75	8.19	7.07	7.06	7.08	8.51
By Vessel							
France	10.39	8.35	--	--	--	10.39	8.35
Nigeria	--	--	5.82	--	--	--	8.84
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	8.87	6.10	5.57	7.71	8.98	9.14	6.01
United Kingdom	--	13.26	--	--	--	--	13.26
Total LNG Imports	9.01	7.06	5.60	7.70	8.96	9.35	6.56
CNG							
Canada	5.90	7.56	6.28	3.48	6.48	8.08	3.89
Total CNG Imports	5.90	7.56	6.28	3.48	6.48	8.08	3.89
Total Imports	4.06	3.34	3.20	3.79	R4.06	R4.30	2.68
Net Imports - Volume	-289,431	-50,610	28,164	-119,433	R-96,064	R-73,934	R-699,912

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
	December	November	October	September	August	July	June
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	242,583	210,102	211,115	212,767	233,057	242,492	227,313
Mexico	66	79	69	68	522	960	240
Total Pipeline Imports	242,649	210,181	211,183	212,835	233,579	243,452	227,553
LNG							
By Truck							
Canada	53	70	379	194	242	226	216
By Vessel							
France	0	0	0	0	0	0	0
Nigeria	2,860	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	11,859	2,734	5,696	2,961	5,231	5,376	2,688
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	14,771	2,805	6,075	3,154	5,473	5,602	2,904
CNG							
Canada	30	30	30	24	23	28	28
Total CNG Imports	30	30	30	24	23	28	28
Total Imports	257,450	213,016	217,289	216,013	239,075	249,082	230,486
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	4.14	3.87	2.33	1.97	2.09	2.02	1.77
Mexico	4.87	2.98	2.43	3.13	5.49	5.32	2.63
Total Pipeline Imports	4.14	3.87	2.33	1.97	2.10	2.03	1.77
LNG							
By Truck							
Canada	7.20	8.44	9.64	8.36	8.32	8.32	8.18
By Vessel							
France	--	--	--	--	--	--	--
Nigeria	8.84	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	8.60	10.76	5.66	4.80	3.50	3.53	4.33
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	8.64	10.70	5.90	5.02	3.72	3.72	4.62
CNG							
Canada	8.23	2.22	2.00	1.48	1.42	1.31	1.01
Total CNG Imports	8.23	2.22	2.00	1.48	1.42	1.31	1.01
Total Imports	4.89	4.10	2.59	2.09	2.22	2.15	1.86
Net Imports - Volume	R-106,015	R-125,004	R-90,086	R-86,396	R-73,146	R-57,572	R-32,136

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	
	May	April	March	February	January	Total	December
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	226,355	240,552	267,653	233,056	286,758	2,962,689	266,192
Mexico	190	68	119	805	130	1,346	504
Total Pipeline Imports	226,545	240,620	267,773	233,861	286,889	2,964,035	266,696
LNG							
By Truck							
Canada	224	196	54	21	10	1,569	8
By Vessel							
France	0	0	2,768	0	0	0	0
Nigeria	0	0	0	0	0	5,992	3,239
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	2,429	2,934	3,650	6,750	13,511	70,450	7,617
United Kingdom	0	0	0	0	3,119	0	0
Total LNG Imports	2,653	3,131	6,473	6,771	16,640	78,011	10,864
CNG							
Canada	27	39	42	29	28	345	31
Total CNG Imports	27	39	42	29	28	345	31
Total Imports	229,226	243,789	274,287	240,661	303,557	3,042,391	277,590
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	1.64	2.11	2.17	2.75	3.78	2.55	2.94
Mexico	2.22	2.10	2.65	4.38	3.38	2.93	3.42
Total Pipeline Imports	1.64	2.11	2.17	2.76	3.78	2.55	2.94
LNG							
By Truck							
Canada	8.27	8.30	7.94	7.17	7.94	8.63	8.19
By Vessel							
France	--	--	8.35	--	--	--	--
Nigeria	--	--	--	--	--	6.52	7.11
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	4.27	4.33	6.08	5.95	6.18	4.32	4.88
United Kingdom	--	--	--	--	13.26	--	--
Total LNG Imports	4.61	4.57	7.07	5.95	7.51	4.58	5.55
CNG							
Canada	1.19	2.69	2.14	12.03	10.87	2.95	4.31
Total CNG Imports	1.19	2.69	2.14	12.03	10.87	2.95	4.31
Total Imports	1.73	2.20	2.45	3.01	4.40	2.60	3.26
Net Imports - Volume	R-43,541	R-35,405	R-17,640	R-35,558	R2,588	-125,466	-21,834

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
	November	October	September	August	July	June	May
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	237,197	241,425	226,738	239,935	245,212	234,061	238,753
Mexico	76	81	68	63	80	78	78
Total Pipeline Imports	237,273	241,506	226,806	239,997	245,292	234,140	238,831
LNG							
By Truck							
Canada	165	120	183	226	215	212	220
By Vessel							
France	0	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	6,213	2,337	2,467	7,636	4,974	5,425	5,275
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	6,378	2,457	2,650	7,862	5,189	5,637	5,494
CNG							
Canada	30	22	25	28	27	29	28
Total CNG Imports	30	22	25	28	27	29	28
Total Imports	243,681	243,985	229,482	247,888	250,508	239,805	244,353
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.40	1.98	2.05	2.24	2.31	2.51	2.59
Mexico	2.44	2.43	2.64	2.31	2.62	2.77	2.62
Total Pipeline Imports	2.40	1.98	2.05	2.24	2.31	2.51	2.59
LNG							
By Truck							
Canada	8.12	8.33	8.66	8.69	8.78	8.91	8.88
By Vessel							
France	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	3.47	4.20	3.74	3.19	3.21	3.37	3.65
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	3.59	4.41	4.08	3.34	3.44	3.58	3.86
CNG							
Canada	1.17	1.06	0.82	0.97	1.19	1.64	1.86
Total CNG Imports	1.17	1.06	0.82	0.97	1.19	1.64	1.86
Total Imports	2.52	2.05	2.12	2.38	2.40	2.62	2.70
Net Imports - Volume	-44,673	-37,374	-20,798	969	2,080	-13,517	-9,511

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

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

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

^c Revised data.

^d Not applicable.

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

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

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

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

	2019	2018	2017	2019			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	271,530	236,875	286,098	92,700	91,561	87,269	842,406
Mexico	434,320	394,514	365,559	148,854	134,937	150,529	1,688,095
Total Pipeline Exports	705,850	631,389	651,657	241,554	226,498	237,799	2,530,501
LNG							
Exports							
By Vessel							
Argentina	0	3,333	0	0	0	0	27,560
Bahamas	36	32	0	11	14	11	137
Barbados	45	52	57	14	14	17	174
Belgium	3,390	0	0	3,390	0	0	0
Brazil	6,517	3,272	0	3,283	3,234	0	35,645
Chile	12,938	13,181	5,901	10,005	2,933	0	41,186
China	10,319	31,073	13,729	0	3,464	6,856	90,473
Colombia	5,869	0	0	2,935	0	2,934	5,101
Dominican Republic	2,942	1,821	2,934	0	2,942	0	5,835
Egypt	0	6,554	0	0	0	0	6,554
France	28,156	0	0	20,853	0	7,303	18,291
Greece	3,394	0	0	0	3,394	0	3,722
India	21,465	14,430	7,022	7,446	6,989	7,030	57,634
Israel	0	0	0	0	0	0	3,270
Italy	20,640	0	0	6,684	3,454	10,502	17,390
Jamaica	2,320	0	0	2,320	0	0	1,303
Japan	31,490	10,714	14,238	7,143	10,320	14,027	125,534
Jordan	3,695	6,994	14,968	0	3,695	0	38,794
Kuwait	0	0	6,738	0	0	0	9,981
Lithuania	0	0	0	0	0	0	0
Malta	0	0	867	0	0	0	2,927
Mexico	28,028	54,085	39,145	7,038	6,681	14,310	182,246
Netherlands	13,841	0	0	10,452	3,390	0	12,188
Pakistan	6,647	6,476	3,166	3,282	3,365	0	12,956
Panama	6,461	1,442	0	3,191	3,269	0	6,786
Poland	13,463	0	0	3,701	0	9,762	3,231
Portugal	14,009	3,247	5,134	0	3,720	10,289	12,512
Singapore	13,880	0	0	6,631	7,249	0	3,679
South Korea	52,744	60,687	7,042	18,013	17,750	16,981	252,223
Spain	24,056	0	11,768	10,678	6,748	6,631	10,310
Taiwan	0	6,806	0	0	0	0	16,731
Thailand	0	0	3,113	0	0	0	0
Turkey	16,312	6,992	10,923	0	6,483	9,829	23,205
United Arab Emirates	0	0	0	0	0	0	3,638
United Kingdom	17,753	6,267	0	3,669	3,711	10,373	51,297
By Truck							
Canada	1	15	3	0	1	0	19
Mexico	224	217	190	73	48	104	587
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
Total LNG Exports	360,637	237,690	146,936	130,814	102,866	126,957	1,083,118
CNG							
Canada	60	36	63	29	15	16	223
Total CNG Exports	60	36	63	29	15	16	223
Total Exports	1,066,547	869,115	798,656	372,397	329,378	364,772	3,613,842

See footnotes at end of table.

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this table.

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

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

							2018
	December	November	October	September	August	July	June
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	100,108	90,088	65,455	71,056	66,450	57,537	51,603
Mexico	R140,540	R140,323	R152,025	R149,966	R154,231	R150,856	R137,454
Total Pipeline Exports	R240,648	R230,411	R217,480	R221,022	R220,681	R208,393	R189,058
LNG							
Exports							
By Vessel							
Argentina	0	0	0	0	10,679	2,939	0
Bahamas	14	13	12	12	10	11	14
Barbados	20	20	14	14	13	10	10
Belgium	0	0	0	0	0	0	0
Brazil	0	0	0	0	15,425	12,540	0
Chile	3,276	3,676	0	3,675	0	6,525	5,865
China	3,598	R3,451	7,269	0	3,588	10,644	2,926
Colombia	0	0	0	0	867	1,521	1,113
Dominican Republic	0	0	0	0	2,992	0	0
Egypt	0	0	0	0	0	0	0
France	3,453	9,991	4,846	0	0	0	0
Greece	3,722	0	0	0	0	0	0
India	7,156	0	7,131	5,910	0	5,918	6,717
Israel	0	0	0	0	0	0	0
Italy	6,137	0	4,785	6,468	0	0	0
Jamaica	0	1,303	0	0	0	0	0
Japan	13,977	R23,835	3,017	16,698	10,286	13,438	9,820
Jordan	0	7,390	3,666	0	3,677	0	3,201
Kuwait	0	0	0	0	3,485	0	0
Lithuania	0	0	0	0	0	0	0
Malta	0	0	0	0	0	2,927	0
Mexico	10,610	6,794	7,076	10,559	20,708	21,237	26,591
Netherlands	0	2,949	3,071	2,915	0	0	0
Pakistan	0	0	0	0	0	0	0
Panama	3,268	0	0	0	0	0	0
Poland	0	3,231	0	0	0	0	0
Portugal	3,298	0	0	3,670	2,296	0	0
Singapore	3,679	0	0	0	0	0	0
South Korea	R33,567	17,635	34,923	24,179	17,467	14,040	13,994
Spain	0	3,529	3,551	0	0	3,230	0
Taiwan	3,423	0	0	0	0	3,234	3,268
Thailand	0	0	0	0	0	0	0
Turkey	R9,976	2,956	3,281	0	0	0	0
United Arab Emirates	0	0	0	3,638	0	0	0
United Kingdom	13,499	20,695	7,213	3,624	0	0	0
By Truck							
Canada	1	0	0	2	0	0	0
Mexico	121	115	31	17	33	26	17
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
Total LNG Exports	122,795	107,585	89,886	81,381	91,526	98,240	73,535
CNG							
Canada	22	24	9	6	15	22	29
Total CNG Exports	22	24	9	6	15	22	29
Total Exports	R363,465	R338,020	R307,375	R302,409	R312,221	R306,654	R262,622

See footnotes at end of table.

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this 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	
	May	April	March	February	January	Total	December
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	40,340	62,894	68,112	76,908	91,855	917,087	81,050
Mexico	R137,600	R130,586	R132,249	R125,628	R136,638	1,543,056	135,756
Total Pipeline Exports	R177,940	R193,481	R200,361	R202,535	R228,493	2,460,144	216,807
LNG							
Exports							
By Vessel							
Argentina	5,392	5,217	3,333	0	0	16,276	0
Bahamas	11	8	16	12	4	2	2
Barbados	13	8	13	20	20	200	19
Belgium	0	0	0	0	0	0	0
Brazil	1,153	3,255	3,272	0	0	17,648	0
Chile	0	4,987	6,994	3,249	2,938	25,746	3,362
China	10,416	17,509	10,739	6,750	13,584	103,410	23,433
Colombia	0	1,599	0	0	0	0	0
Dominican Republic	1,023	0	1,821	0	0	8,691	0
Egypt	0	0	0	0	6,554	6,781	0
France	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0
India	7,118	3,254	10,834	0	3,596	20,919	3,427
Israel	3,270	0	0	0	0	0	0
Italy	0	0	0	0	0	6,493	0
Jamaica	0	0	0	0	0	0	0
Japan	12,782	10,967	0	7,099	3,615	53,218	13,893
Jordan	10,572	3,293	3,694	3,300	0	36,321	7,135
Kuwait	6,496	0	0	0	0	20,213	0
Lithuania	0	0	0	0	0	6,844	0
Malta	0	0	0	0	0	867	0
Mexico	13,512	11,074	28,877	14,777	10,431	140,321	3,635
Netherlands	0	3,253	0	0	0	3,042	0
Pakistan	3,222	3,258	3,108	0	3,368	3,166	0
Panama	2,077	0	1,442	0	0	0	0
Poland	0	0	0	0	0	3,440	0
Portugal	0	0	0	0	3,247	19,523	0
Singapore	0	0	0	0	0	0	0
South Korea	17,735	17,996	11,079	28,322	21,286	130,185	20,810
Spain	0	0	0	0	0	29,329	3,370
Taiwan	0	0	0	6,806	0	9,004	0
Thailand	0	0	0	0	0	3,113	0
Turkey	0	0	0	3,279	3,714	24,855	3,413
United Arab Emirates	0	0	0	0	0	13,408	0
United Kingdom	0	0	6,267	0	0	3,410	0
By Truck							
Canada	0	1	0	15	0	5	0
Mexico	6	4	56	56	105	691	105
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	422	0
Total LNG Exports	94,797	85,684	91,542	73,684	72,463	707,542	82,604
CNG							
Canada	30	29	24	0	13	171	13
Total CNG Exports	30	29	24	0	13	171	13
Total Exports	R272,766	R279,195	R291,927	R276,219	R300,969	3,167,857	299,424

See footnotes at end of table.

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this table.

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

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

	November	October	September	August	July	June	2017 May
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	74,427	68,382	69,823	66,342	59,760	66,725	63,949
Mexico	133,807	132,778	125,724	135,108	135,068	134,118	129,110
Total Pipeline Exports	208,234	201,160	195,548	201,450	194,828	200,844	193,058
LNG							
Exports							
By Vessel							
Argentina	0	0	0	0	0	2,949	3,192
Bahamas	0	0	0	0	0	0	0
Barbados	20	17	14	16	10	16	15
Belgium	0	0	0	0	0	0	0
Brazil	0	6,967	3,364	0	3,642	0	3,676
Chile	0	3,675	0	0	3,256	3,657	0
China	20,871	24,588	10,056	0	7,218	0	3,514
Colombia	0	0	0	0	0	0	0
Dominican Republic	2,835	0	2,922	0	0	0	0
Egypt	0	0	0	3,317	3,464	0	0
France	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0
India	7,057	0	0	0	0	3,413	0
Israel	0	0	0	0	0	0	0
Italy	0	0	0	3,372	0	3,120	0
Jamaica	0	0	0	0	0	0	0
Japan	0	6,725	0	3,614	0	3,683	3,667
Jordan	0	3,373	0	7,393	0	0	3,453
Kuwait	0	0	0	0	3,410	0	3,281
Lithuania	0	0	3,414	3,431	0	0	0
Malta	0	0	0	0	0	0	0
Mexico	10,760	6,686	10,286	6,860	14,432	24,763	10,023
Netherlands	0	0	0	0	0	0	3,042
Pakistan	0	0	0	0	0	0	0
Panama	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	3,440
Portugal	3,702	0	0	3,399	3,662	0	3,625
Singapore	0	0	0	0	0	0	0
South Korea	21,141	21,577	17,514	10,320	14,238	7,431	6,818
Spain	3,617	2,980	3,666	3,712	217	0	0
Taiwan	2,934	3,121	0	0	0	0	2,949
Thailand	0	0	0	0	0	0	0
Turkey	7,076	0	3,443	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	10,062
United Kingdom	0	0	0	0	0	3,410	0
By Truck							
Canada	2	0	0	0	0	0	0
Mexico	86	65	53	33	44	19	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	422	0	0	0	0	0
Total LNG Exports	80,100	80,195	54,733	45,468	53,592	52,462	60,782
CNG							
Canada	20	4	0	1	8	16	23
Total CNG Exports	20	4	0	1	8	16	23
Total Exports	288,354	281,359	250,280	246,919	248,428	253,322	253,864

See footnotes at end of table.

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this table.

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

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

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

See footnotes at end of table.

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this table.

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

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

	2019 3-Month YTD	2018 3-Month YTD	2017 3-Month YTD	2019			2018
				March	February	January	Total
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.57	3.40	3.36	3.45	3.38	3.89	3.41
Mexico	3.08	3.35	3.27	2.77	®3.03	®3.42	®3.30
Total Pipeline Exports	3.26	3.37	3.31	3.03	®3.17	®3.60	®3.33
LNG							
Exports							
By Vessel							
Argentina	--	6.28	--	--	--	--	6.01
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	5.01	7.46	--	3.41	6.64	--	6.05
Chile	3.62	3.47	6.72	3.41	4.35	--	4.33
China	5.76	4.86	4.86	--	4.97	6.16	®4.41
Colombia	3.88	--	--	3.41	--	4.35	4.86
Dominican Republic	3.52	3.15	5.59	--	3.52	--	3.91
Egypt	--	3.27	--	--	--	--	3.27
France	4.91	--	--	5.24	--	3.94	7.03
Greece	6.84	--	--	--	6.84	--	7.62
India	5.24	4.74	4.39	3.67	5.53	6.60	5.02
Israel	--	--	--	--	--	--	6.48
Italy	5.53	--	--	5.20	4.72	6.00	6.46
Jamaica	6.52	--	--	6.52	--	--	6.92
Japan	7.99	6.04	6.79	8.00	7.98	7.98	®6.86
Jordan	3.52	3.71	5.06	--	3.52	--	4.10
Kuwait	--	--	4.32	--	--	--	6.67
Lithuania	--	--	--	--	--	--	--
Malta	--	--	4.70	--	--	--	6.70
Mexico	4.42	4.49	6.35	3.41	5.06	4.63	4.70
Netherlands	4.94	--	--	5.30	3.81	--	6.61
Pakistan	5.06	4.71	3.14	6.64	3.52	--	5.60
Panama	7.47	3.15	--	8.12	6.84	--	5.46
Poland	6.01	--	--	3.41	--	7.00	7.12
Portugal	5.75	3.27	7.25	--	3.97	6.39	5.45
Singapore	4.64	--	--	5.86	3.52	--	5.63
South Korea	4.04	5.17	3.81	3.41	4.12	4.63	®4.56
Spain	5.82	--	6.41	4.88	5.05	8.11	4.59
Taiwan	--	5.89	--	--	--	--	6.51
Thailand	--	--	3.14	--	--	--	--
Turkey	5.85	3.77	6.16	--	6.64	5.33	®5.38
United Arab Emirates	--	--	--	--	--	--	3.46
United Kingdom	4.96	5.89	--	5.15	3.52	5.40	5.77
By Truck							
Canada	8.93	13.69	8.39	--	8.93	--	12.71
Mexico	9.60	7.87	9.40	9.92	9.17	9.58	8.52
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
Total LNG Exports	5.27	4.78	5.70	4.84	5.06	5.89	5.20
CNG							
Canada	7.08	6.58	7.39	5.11	7.70	10.05	4.69
Total CNG Exports	7.08	6.58	7.39	5.11	7.70	10.05	4.69
Total Exports	3.94	3.76	3.75	3.67	®3.76	4.39	®3.89

See footnotes at end of table.

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this table.

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

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

							2018
	December	November	October	September	August	July	June
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	4.60	4.36	3.25	2.92	2.95	2.83	2.75
Mexico	R4.24	R3.64	R3.29	R3.00	R3.21	R3.03	R3.04
Total Pipeline Exports	R4.39	R3.92	R3.28	R2.98	R3.13	R2.98	2.96
LNG							
Exports							
By Vessel							
Argentina	--	--	--	--	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	--	--	--	--	5.79	5.90	--
Chile	5.63	3.61	--	3.46	--	6.77	3.44
China	5.63	R6.92	3.61	--	3.38	3.53	6.56
Colombia	--	--	--	--	6.49	6.70	3.44
Dominican Republic	--	--	--	--	3.38	--	--
Egypt	--	--	--	--	--	--	--
France	7.47	7.02	6.72	--	--	--	--
Greece	7.62	--	--	--	--	--	--
India	6.64	--	5.23	4.76	--	6.83	3.44
Israel	--	--	--	--	--	--	--
Italy	7.79	--	6.72	4.99	--	--	--
Jamaica	--	6.92	--	--	--	--	--
Japan	8.42	6.34	7.91	7.13	8.25	6.86	6.34
Jordan	--	3.80	3.61	--	3.38	--	6.85
Kuwait	--	--	--	--	6.49	--	--
Lithuania	--	--	--	--	--	--	--
Malta	--	--	--	--	--	6.70	--
Mexico	5.04	6.92	5.22	4.40	5.04	4.06	4.58
Netherlands	--	6.83	6.72	6.58	--	--	--
Pakistan	--	--	--	--	--	--	--
Panama	5.63	--	--	--	--	--	--
Poland	--	7.12	--	--	--	--	--
Portugal	8.79	--	--	3.46	6.94	--	--
Singapore	5.63	--	--	--	--	--	--
South Korea	R6.75	3.80	4.52	3.86	3.38	3.58	3.44
Spain	--	3.80	3.46	--	--	6.70	--
Taiwan	7.49	--	--	--	--	6.70	6.56
Thailand	--	--	--	--	--	--	--
Turkey	R6.64	6.92	3.61	--	--	--	--
United Arab Emirates	--	--	--	3.46	--	--	--
United Kingdom	6.87	5.65	5.13	3.46	--	--	--
By Truck							
Canada	10.29	--	--	8.23	--	--	--
Mexico	9.30	9.31	7.30	7.62	9.81	8.80	7.04
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
Total LNG Exports	6.84	5.62	4.92	4.78	5.33	5.28	4.65
CNG							
Canada	11.62	4.40	3.50	2.98	2.89	2.88	2.63
Total CNG Exports	11.62	4.40	3.50	2.98	2.89	2.88	2.63
Total Exports	R5.22	R4.46	R3.76	R3.46	R3.78	R3.72	3.43

See footnotes at end of table.

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this 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	
	May	April	March	February	January	Total	December
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.63	2.90	2.63	3.16	4.18	3.12	3.19
Mexico	3.09	3.01	3.00	3.41	3.64	3.26	3.34
Total Pipeline Exports	2.99	2.97	2.87	3.31	3.86	3.20	3.28
LNG							
Exports							
By Vessel							
Argentina	4.59	5.56	6.28	--	--	4.64	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.40	10.40
Barbados	10.39	10.39	10.39	10.39	10.39	10.40	10.40
Belgium	--	--	--	--	--	--	--
Brazil	6.48	6.33	7.46	--	--	4.15	--
Chile	--	4.76	3.15	4.34	3.27	5.43	3.68
China	4.31	3.67	4.20	5.93	4.84	4.32	4.87
Colombia	--	3.21	--	--	--	--	--
Dominican Republic	6.80	--	3.15	--	--	4.15	--
Egypt	--	--	--	--	3.27	4.93	--
France	--	--	--	--	--	--	--
Greece	--	--	--	--	--	--	--
India	3.37	6.33	5.22	--	3.27	4.84	6.80
Israel	6.48	--	--	--	--	--	--
Italy	--	--	--	--	--	3.95	--
Jamaica	--	--	--	--	--	--	--
Japan	7.11	4.95	--	7.46	3.27	6.13	5.87
Jordan	3.37	6.63	3.15	4.34	--	4.40	3.68
Kuwait	6.76	--	--	--	--	4.38	--
Lithuania	--	--	--	--	--	3.84	--
Malta	--	--	--	--	--	4.70	--
Mexico	5.47	3.98	4.32	4.85	4.43	4.93	3.68
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	3.84	3.66	3.15	5.85	5.31	4.18	4.20
Spain	--	--	--	--	--	4.94	5.73
Taiwan	--	--	--	5.89	--	4.77	--
Thailand	--	--	--	--	--	3.14	--
Turkey	--	--	--	4.34	3.27	4.84	3.68
United Arab Emirates	--	--	--	--	--	3.87	--
United Kingdom	--	--	5.89	--	--	3.87	--
By Truck							
Canada	--	7.79	--	13.63	19.21	8.05	--
Mexico	7.18	6.40	8.03	8.43	7.49	8.74	8.11
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	5.00	--
Total LNG Exports	5.03	4.56	4.45	5.62	4.34	4.69	4.74
CNG							
Canada	2.75	4.29	3.48	--	12.47	4.76	6.53
Total CNG Exports	2.75	4.29	3.48	--	12.47	4.76	6.53
Total Exports	3.70	3.46	3.37	3.93	3.97	3.54	3.68

See footnotes at end of table.

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this table.

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

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

							2017
	November	October	September	August	July	June	May
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.99	2.78	2.88	2.84	2.90	3.02	3.16
Mexico	3.29	3.28	3.29	3.27	3.22	3.13	3.20
Total Pipeline Exports	3.18	3.11	3.14	3.13	3.12	3.10	3.19
LNG							
Exports							
By Vessel							
Argentina	--	--	--	--	--	3.87	4.77
Bahamas	--	--	--	--	--	--	--
Barbados	10.40	10.40	10.40	10.40	10.40	10.40	10.40
Belgium	--	--	--	--	--	--	--
Brazil	--	4.14	3.55	--	4.23	--	4.63
Chile	--	3.56	--	--	3.67	6.46	--
China	4.60	3.56	3.99	--	3.67	--	4.62
Colombia	--	--	--	--	--	--	--
Dominican Republic	3.30	--	3.55	--	--	--	--
Egypt	--	--	--	3.55	6.26	--	--
France	--	--	--	--	--	--	--
Greece	--	--	--	--	--	--	--
India	4.41	--	--	--	--	4.67	--
Israel	--	--	--	--	--	--	--
Italy	--	--	--	3.55	--	4.38	--
Jamaica	--	--	--	--	--	--	--
Japan	--	3.56	--	6.14	--	6.99	6.88
Jordan	--	5.45	--	3.55	--	--	3.76
Kuwait	--	--	--	--	4.51	--	4.77
Lithuania	--	--	3.55	4.13	--	--	--
Malta	--	--	--	--	--	--	--
Mexico	4.85	5.54	3.98	3.55	4.17	4.40	4.67
Netherlands	--	--	--	--	--	--	6.35
Pakistan	--	--	--	--	--	--	--
Panama	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	4.26
Portugal	3.29	--	--	4.38	6.26	--	6.35
Singapore	--	--	--	--	--	--	--
South Korea	4.60	4.15	4.05	3.59	3.67	3.87	4.88
Spain	3.29	3.56	3.55	3.55	6.26	--	--
Taiwan	6.41	3.56	--	--	--	--	4.43
Thailand	--	--	--	--	--	--	--
Turkey	3.98	--	3.55	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	3.89
United Kingdom	--	--	--	--	--	3.87	--
By Truck							
Canada	7.35	--	--	--	--	--	--
Mexico	7.94	8.43	8.67	8.94	8.79	9.04	8.90
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Mexico	--	5.00	--	--	--	--	--
Total LNG Exports	4.47	4.02	3.88	3.88	4.26	4.61	4.80
CNG							
Canada	1.38	1.00	--	2.50	2.72	3.14	3.39
Total CNG Exports	1.38	1.00	--	2.50	2.72	3.14	3.39
Total Exports	3.54	3.37	3.30	3.27	3.37	3.41	3.57

See footnotes at end of table.

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this table.

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

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

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

^R Revised data.

-- Not applicable.

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

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

EIA has revised pipeline exports to Mexico for July 2018 through February 2019. Last month, EIA revised this data series upward, but we later determined that we had overstated these revisions because of a miscalculation on the part of a respondent to the Office of Fossil Energy's Form FE-746R, "Natural Gas Imports and Exports." These updates are reflected in this table.

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
2014 Total	3,168,545	1,122,733	238,988	1,643,487	286,480	1,968,618	59,160	1,266,379	463,216	512,371
2015 Total	3,175,301	1,010,382	236,648	1,688,733	284,184	1,813,232	58,240	1,296,793	584,632	1,007,270
2016 Total	3,230,193	823,196	205,025	1,688,375	244,795	1,793,406	52,146	1,282,666	608,849	1,437,285
2017										
January	301,493	61,608	16,691	142,790	19,044	162,990	4,135	105,653	48,477	132,135
February	275,044	55,911	15,634	128,838	17,280	141,567	3,777	97,589	48,102	119,348
March	308,111	61,608	17,688	142,161	19,077	177,967	4,168	110,479	53,891	132,135
April	286,963	59,905	17,281	136,409	18,063	155,363	4,087	107,283	55,188	132,359
May	286,678	61,319	17,796	138,439	18,451	162,999	4,235	113,939	57,606	136,771
June	248,829	59,366	17,229	134,382	18,281	168,309	4,126	108,071	55,673	132,359
July	205,707	60,612	19,987	140,105	18,854	167,283	4,247	112,631	58,915	159,314
August	221,579	59,937	17,558	143,311	18,600	183,079	4,277	111,163	60,597	159,314
September	255,362	56,568	17,145	140,164	17,969	189,429	4,054	111,084	58,407	154,174
October	283,192	58,056	18,316	147,258	16,696	212,769	4,155	117,049	64,060	173,541
November	282,589	55,511	16,767	142,452	16,056	207,876	3,970	109,644	62,980	167,942
December	295,221	56,890	17,235	151,359	16,108	217,981	3,989	120,322	64,709	173,541
Total	3,250,769	707,292	209,327	1,687,667	214,480	2,147,612	49,218	1,324,909	688,605	1,772,932
2018										
January	296,763	£51,757	£16,821	£151,072	£17,495	£211,270	£3,927	£113,537	£64,221	£183,232
February	268,604	£46,612	£15,370	£136,802	£15,831	£200,831	£3,478	£106,157	£58,668	£171,082
March	295,802	£51,018	£16,903	£151,348	£17,607	£230,892	£3,783	£123,241	£65,547	£190,999
April	282,720	£51,363	£16,313	£148,397	£17,079	£224,143	£3,738	£121,113	£67,360	£184,005
May	282,751	£51,483	£16,948	£154,111	£17,598	£239,895	£3,934	£124,029	£72,213	£191,843
June	229,020	£49,106	£16,421	£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
Total	3,254,747	£594,714	£199,189	£1,830,508	£203,001	£2,829,741	£46,274	£1,524,424	£856,292	£2,385,112
2019										
January	310,279	RE47,824	RE16,550	RE165,670	RE16,282	RE255,622	RE4,068	RE143,500	RE83,171	RE213,010
February	267,512	RE42,490	RE15,304	RE149,001	RE14,510	RE237,657	RE3,412	RE133,682	RE72,633	RE191,246
March	285,417	£46,830	£16,718	£164,412	£16,041	£261,707	£3,924	£150,860	£86,177	£209,991
2019 3-Month YTD	863,208	£137,145	£48,572	£479,083	£46,833	£754,986	£11,403	£428,042	£241,981	£614,247
2018 3-Month YTD	861,169	£149,388	£49,094	£439,222	£50,933	£642,993	£11,188	£342,935	£188,436	£545,313
2017 3-Month YTD	884,648	179,127	50,013	413,789	55,402	482,523	12,079	313,721	150,470	383,618

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
2014 Total	2,331,086	4,257,693	8,659,188	454,545	1,067,114	1,998,505	631,536	1,275,738	31,405,381
2015 Total	2,499,599	4,812,983	8,799,465	417,020	1,315,248	1,995,920	611,356	1,307,641	32,914,647
2016 Total	2,468,312	5,210,209	8,156,296	365,268	1,384,458	1,848,623	571,820	1,220,656	32,591,578
2017									
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
Total	2,513,897	5,463,888	7,995,736	314,733	1,601,047	1,804,681	532,453	1,078,130	33,357,375
2018									
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
Total	£2,946,117	£6,206,874	£8,813,974	£297,446	£1,799,097	£1,720,897	£509,326	£991,125	£37,008,858
2019									
January	RE262,662	RE577,495	RE806,273	RE23,796	£167,795	RE130,338	£41,594	RE90,502	RE3,356,433
February	RE240,959	RE522,820	RE746,163	RE21,477	RE153,614	RE117,831	RE37,916	RE75,438	RE3,043,664
March	£264,547	£582,822	£818,450	£23,836	£170,121	£130,079	£40,881	£90,790	£3,363,602
2019 3-Month YTD	£768,168	£1,683,137	£2,370,886	£69,109	£491,530	£378,247	£120,392	£256,730	£9,763,699
2018 3-Month YTD	£678,301	£1,466,366	£2,015,689	£74,776	£418,353	£435,786	£126,096	£234,901	£8,730,940
2017 3-Month YTD	581,085	1,336,594	1,908,949	80,283	363,011	437,523	136,120	296,317	8,065,272

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

Notes: Data for Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and Federal Offshore Gulf of Mexico are individually collected on the EIA-914 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
2014 Total	345,310	1,122,733	238,988	1,643,487	286,480	1,960,813	59,160	1,229,519	326,491	512,371
2015 Total	343,625	1,010,382	236,648	1,688,733	284,184	1,805,197	51,356	1,245,145	471,360	1,007,270
2016 Total	332,749	823,196	205,025	1,685,755	244,795	1,784,396	47,921	1,229,647	531,997	1,437,285
2017										
January	31,022	61,608	16,691	142,554	19,044	162,163	3,889	101,810	41,899	132,135
February	28,145	55,911	15,634	128,554	17,280	140,873	3,530	94,177	42,317	119,348
March	31,344	61,608	17,688	141,880	19,077	177,195	3,897	108,214	47,675	132,135
April	30,373	59,905	17,281	136,194	18,063	154,875	3,773	104,963	48,931	132,359
May	30,399	61,319	17,796	138,206	18,451	162,291	3,965	111,425	50,770	136,771
June	27,509	59,366	17,229	133,912	18,281	167,599	3,863	105,266	48,471	132,359
July	24,025	60,612	19,987	139,706	18,854	166,507	3,990	110,185	51,351	159,314
August	24,427	59,937	17,558	142,957	18,600	182,309	4,022	108,861	51,769	159,314
September	27,205	56,568	17,145	139,869	17,969	188,756	3,757	108,947	48,483	154,174
October	29,536	58,056	18,316	146,976	16,696	211,980	3,866	114,741	52,713	173,541
November	29,760	55,511	16,767	141,944	16,056	207,106	3,760	106,936	54,010	167,942
December	30,640	56,890	17,235	150,637	16,108	217,263	3,777	117,515	55,665	173,541
Total	344,385	707,292	209,327	1,683,388	214,480	2,138,918	46,090	1,293,040	594,053	1,772,932
2018										
January	31,077	£51,757	£16,821	£150,695	£17,495	£210,425	£3,677	£110,801	£55,403	£183,232
February	27,724	£46,612	£15,370	£136,460	£15,831	£200,028	£3,257	£103,599	£50,613	£171,082
March	30,900	£51,018	£16,903	£150,969	£17,607	£229,968	£3,542	£120,271	£56,547	£190,999
April	28,913	£51,363	£16,313	£148,026	£17,079	£223,247	£3,500	£118,195	£58,111	£184,005
May	28,833	£51,483	£16,948	£153,726	£17,598	£238,935	£3,684	£121,040	£62,299	£191,843
June	26,045	£49,106	£16,421	£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
Total	341,381	£594,714	£199,189	£1,825,932	£203,001	£2,818,422	£43,331	£1,487,685	£738,723	£2,385,112
2019										
January	30,503	RE47,824	RE16,550	RE165,255	RE16,282	RE254,600	RE3,809	RE140,041	RE71,752	RE213,010
February	26,728	RE42,490	RE15,304	RE148,629	RE14,510	RE236,706	RE3,195	RE130,460	RE62,661	RE191,246
March	29,346	£46,830	£16,718	£164,001	£16,041	£260,660	£3,674	£147,224	£74,345	£209,991
2019 3-Month YTD	86,577	£137,145	£48,572	£477,885	£46,833	£751,966	£10,678	£417,726	£208,757	£614,247
2018 3-Month YTD	89,702	£149,388	£49,094	£438,124	£50,933	£640,421	£10,476	£334,671	£162,564	£545,313
2017 3-Month YTD	90,511	179,127	50,013	412,988	55,402	480,231	11,316	304,202	131,890	383,618

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
2014 Total	2,331,086	4,257,693	7,985,019	454,545	1,067,114	1,794,413	628,854	1,253,678	27,497,754
2015 Total	2,499,599	4,812,983	7,890,459	417,020	1,315,248	1,808,519	592,373	1,291,945	28,772,044
2016 Total	2,468,312	5,210,209	7,225,472	365,268	1,384,458	1,662,909	559,985	1,200,669	28,400,049
2017									
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
Total	2,513,897	5,463,888	7,135,494	314,733	1,601,047	1,585,486	518,291	1,060,300	29,197,042
2018									
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
Total	£2,946,117	£6,206,874	£7,865,591	£297,446	£1,799,097	£1,511,808	£495,880	£974,772	£32,735,074
2019									
January	RE262,662	RE577,495	RE719,518	RE23,796	£167,795	RE114,502	£40,496	RE89,009	RE2,954,901
February	RE240,959	RE522,820	RE665,876	RE21,477	RE153,614	RE103,514	RE36,915	RE74,193	RE2,691,296
March	£264,547	£582,822	£730,385	£23,836	£170,121	£114,274	£39,802	£89,292	£2,983,909
2019 3-Month YTD	£768,168	£1,683,137	£2,115,779	£69,109	£491,530	£332,290	£117,213	£252,494	£8,630,106
2018 3-Month YTD	£678,301	£1,466,366	£1,798,801	£74,776	£418,353	£382,838	£122,767	£231,025	£7,643,913
2017 3-Month YTD	581,085	1,336,594	1,676,640	80,283	363,011	371,025	132,528	291,415	6,931,879

^E Estimated data.^{RE} 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 ^c	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^b
2014 Total^c	--	--	--	--	--	3,839	3,586	-253
2015 Total^c	--	--	--	--	--	3,638	3,100	-539
2016 Total^c	--	--	--	--	--	2,977	3,325	348
2017								
January	4,378	2,622	7,000	-316	-10.8	113	787	675
February	4,377	2,337	6,715	-197	-7.8	137	422	285
March	4,378	2,063	6,440	-424	-17.0	175	449	274
April	4,379	2,291	6,670	-354	-13.4	352	122	-230
May	4,385	2,627	7,011	-340	-11.5	430	90	-341
June	4,354	2,907	7,261	-279	-8.8	386	105	-281
July	4,356	3,054	7,410	-264	-8.0	303	154	-150
August	4,355	3,250	7,605	-191	-5.6	353	158	-196
September	4,355	3,567	7,923	-138	-3.7	419	103	-317
October	4,354	3,816	8,170	-196	-4.9	378	131	-247
November	4,353	3,709	8,062	-267	-6.7	199	285	86
December	4,360	3,033	7,392	-264	-8.0	91	785	695
Total	--	--	--	--	--	3,337	3,590	254
2018								
January	4,357	2,141	6,498	-481	-18.4	141	1,037	896
February	4,357	1,673	6,030	-664	-28.4	133	599	467
March	4,353	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
Total	--	--	--	--	--	3,676	3,999	323
2019								
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

^a 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.

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

^c Total as of December 31.

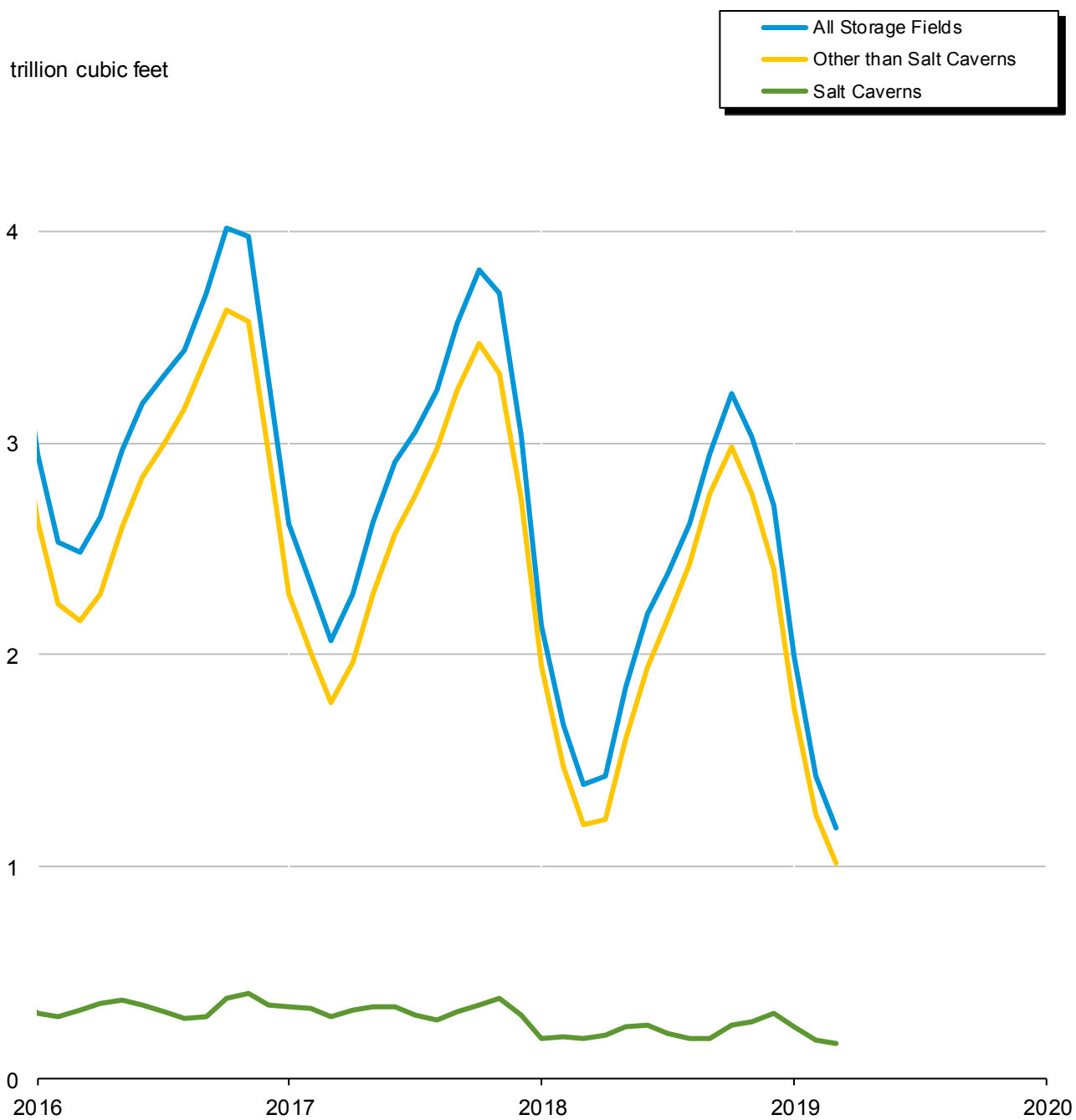
-- Not applicable.

Notes: Data for 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		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
2017 Heating Season								
November	4,372	3,977	8,349	50	1.3	178	213	35
December	4,380	3,297	7,677	-370	-10.1	87	762	676
January	4,378	2,622	7,000	-316	-10.8	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
Total	--	--	--	--	--	689	2,634	1,945
2017 Refill Season								
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
Total	--	--	--	--	--	2,622	861	-1,761
2018 Heating Season								
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
Total	--	--	--	--	--	727	3,155	2,428
2018 Refill Season								
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
Total	--	--	--	--	--	2,835	985	-1,850
2019 Heating Season								
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
Total	--	--	--	--	--	793	2,840	2,047

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

-- Not applicable.

Notes: Data for 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 ^a
2014 Total^b	--	--	--	--	--	634	552	-82
2015 Total^b	--	--	--	--	--	606	550	-56
2016 Total^b	--	--	--	--	--	593	624	32
2017								
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
Total	--	--	--	--	--	701	752	50
2018								
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
Total	--	--	--	--	--	811	807	-4
2019								
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
2019 3-Month YTD	--	--	--	--	--	156	299	144
2018 3-Month YTD	--	--	--	--	--	201	304	104
2017 3-Month YTD	--	--	--	--	--	162	218	56

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

^b Total as of December 31.

-- Not applicable.

Notes: Data for 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 ^a
2014 Total^b	--	--	--	--	--	3,205	3,034	-171
2015 Total^b	--	--	--	--	--	3,032	2,549	-482
2016 Total^b	--	--	--	--	--	2,384	2,700	316
2017								
January	4,183	2,284	6,468	-342	-13.0	44	708	664
February	4,183	2,010	6,192	-230	-10.2	94	369	275
March	4,182	1,771	5,953	-393	-18.2	124	364	239
April	4,182	1,965	6,147	-322	-14.1	273	79	-194
May	4,188	2,284	6,472	-315	-12.1	365	40	-325
June	4,158	2,568	6,725	-270	-9.5	338	53	-284
July	4,158	2,750	6,908	-249	-8.3	272	88	-184
August	4,158	2,971	7,129	-189	-6.0	311	91	-220
September	4,158	3,250	7,408	-161	-4.7	340	62	-279
October	4,156	3,466	7,622	-164	-4.5	295	80	-215
November	4,156	3,330	7,487	-244	-6.8	133	247	114
December	4,163	2,736	6,899	-212	-7.2	47	659	612
Total	--	--	--	--	--	2,635	2,839	203
2018								
January	4,162	1,948	6,110	-336	-14.7	57	848	791
February	4,161	1,477	5,638	-533	-26.5	73	544	471
March	4,159	1,198	5,357	-573	-32.3	107	388	282
April	4,156	1,224	5,381	-741	-37.7	193	170	-23
May	4,157	1,599	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
Total	--	--	--	--	--	2,864	3,192	327
2019								
January	4,170	1,751	5,921	^R -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	-14.9	122	348	226
2019 3-Month YTD	--	--	--	--	--	233	1,612	1,378
2018 3-Month YTD	--	--	--	--	--	237	1,780	1,544
2017 3-Month YTD	--	--	--	--	--	262	1,441	1,178

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

^b Total as of December 31.

^R Revised data.

– Not applicable.

Notes: Data for 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	
	March	February	January		December	November
Alabama	1,480	3,277	1,154	2,660	-4,038	-553
Alaska ^a	1,222	2,658	3,160	-896	1,678	376
Arkansas	696	1,094	1,185	-654	763	779
California	-1,442	50,783	30,628	52,175	33,067	11,111
Colorado	1,062	7,360	10,411	5,422	9,020	1,471
Illinois	21,726	44,951	71,746	-3,407	44,338	5,019
Indiana	2,798	3,994	6,207	-279	3,094	497
Iowa	2,664	8,451	18,111	2,874	18,169	8,860
Kansas	7,971	22,056	24,030	-796	14,219	6,918
Kentucky	4,786	11,343	18,947	10,209	6,435	5,196
Louisiana	17,530	50,760	60,935	58,314	10,719	22,799
Maryland	3,480	2,834	3,137	-2,128	-346	288
Michigan	65,710	115,237	138,813	43,376	58,969	44,138
Minnesota	277	250	512	-274	22	10
Mississippi	6,673	14,485	26,551	7,009	-13,517	825
Missouri	-410	11	1,325	-816	-118	-124
Montana	1,364	6,273	4,655	7,240	3,051	3,536
Nebraska	304	2,061	2,218	464	1,209	327
New Mexico	-148	727	1,041	9,745	-302	-1,194
New York	7,677	14,552	18,955	14,193	10,444	7,608
Ohio	25,100	34,073	38,856	4,840	21,319	18,578
Oklahoma	8,971	25,251	27,838	11,813	11,329	6,616
Oregon	15	4,007	5,447	-955	3,090	-454
Pennsylvania	41,514	65,257	80,114	17,829	35,891	25,911
Tennessee	24	6	78	-35	138	59
Texas	1,134	18,393	42,024	58,872	15,521	-3,988
Utah	5,387	8,384	10,048	7,760	7,577	6,999
Virginia	419	-55	979	-973	-186	457
Washington	-2,335	5,868	5,673	-802	1,698	1,393
West Virginia	18,327	39,896	50,155	17,127	23,533	27,577
Wyoming	1,199	3,903	3,680	2,911	3,553	3,845
Regions						
East Region	96,516	156,555	192,196	50,888	90,655	80,420
South Central Region	44,455	135,316	183,717	137,218	34,995	33,396
Midwest Region	97,575	184,242	255,741	51,647	131,047	63,655
Mountain Region	9,168	28,709	32,052	33,542	24,109	14,985
Pacific Region	-3,761	60,659	41,748	50,417	37,856	12,049
Total Lower 48 States	243,952	565,482	705,454	323,713	318,661	204,504
U.S. Total	245,174	568,139	708,614	322,817	320,339	204,880

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018					
	October	September	August	July	June	May
Alabama	-3,424	3,736	3,070	2,879	1,165	-3,590
Alaska ^a	-743	-1,536	-1,795	-1,862	-1,749	-856
Arkansas	-345	-522	-931	-793	-838	-917
California	-365	-12,150	290	8,376	-18,473	-29,083
Colorado	-2,840	-4,713	-5,997	-2,338	-6,154	-6,557
Illinois	-43,390	-42,720	-34,744	-28,754	-29,674	-20,286
Indiana	-2,417	-3,720	-4,155	-2,826	-3,023	-1,240
Iowa	-19,964	-19,504	-15,538	-1,673	-1,593	-2,828
Kansas	-8,986	-13,872	-13,675	-12,141	-12,300	-12,254
Kentucky	-4,344	-9,599	-4,460	-2,846	-5,514	-10,612
Louisiana	-24,437	-20,246	-4,409	7,158	-17,984	-42,625
Maryland	-1,099	-652	-2,598	-2,904	-3,246	-1,661
Michigan	-54,740	-65,317	-74,298	-76,375	-75,997	-75,307
Minnesota	-196	-279	-269	-221	-162	6
Mississippi	-18,359	9,728	11,902	13,724	-1,213	-15,259
Missouri	-330	-244	25	24	25	-345
Montana	2,479	-2,451	-4,466	-4,171	-4,023	-4,084
Nebraska	64	-1,400	-839	-633	-887	-2,061
New Mexico	-2,223	-488	1,475	3,751	93	-818
New York	-4,921	-14,541	-9,405	-6,908	-8,007	-12,164
Ohio	-7,023	-22,743	-25,825	-25,872	-25,869	-26,345
Oklahoma	-14,498	-10,303	-13,480	-5,348	-13,098	-17,878
Oregon	-725	-2,316	431	-1,178	-2,824	-2,644
Pennsylvania	-30,599	-54,224	-28,602	-39,628	-46,334	-50,138
Tennessee	23	2	-58	-82	-75	-96
Texas	-35,251	-12,209	28,939	26,147	-22,403	-37,196
Utah	-2,699	-5,992	-3,631	-4,035	-6,954	-8,576
Virginia	-1,094	-176	214	74	-77	-607
Washington	53	-2,437	-2,448	1,854	-5,671	-4,561
West Virginia	-7,429	-22,336	-28,124	-29,175	-33,562	-28,088
Wyoming	-702	-841	-1,932	-612	-2,156	-4,390
Regions						
East Region	-52,163	-114,671	-94,340	-104,413	-117,095	-119,003
South Central Region	-105,300	-43,688	11,415	31,626	-66,671	-129,720
Midwest Region	-125,358	-141,382	-133,497	-112,753	-116,013	-110,707
Mountain Region	-5,921	-15,884	-15,390	-8,038	-20,081	-26,486
Pacific Region	-1,037	-16,903	-1,727	9,052	-26,969	-36,288
Total Lower 48 States	-289,779	-332,528	-233,540	-184,526	-346,829	-422,203
U.S. Total	-290,521	-334,064	-235,335	-186,388	-348,578	-423,060

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017					
	November	October	September	August	July	June
Alabama	-1,237	-3,630	-561	3,628	3,386	498
Alaska ^a	1,622	-476	-1,624	-2,476	-2,424	-2,108
Arkansas	397	-251	-582	-574	-647	-581
California	6,223	-4,453	-12,170	1,123	-6,826	-13,935
Colorado	-4,315	-582	-6,013	-2,922	-5,245	-5,660
Illinois	-333	-40,165	-41,306	-34,888	-25,184	-32,389
Indiana	-1,525	-2,472	-2,352	-2,191	-2,486	-2,782
Iowa	6,240	-20,082	-19,446	-11,805	-1,696	-1,917
Kansas	-872	-5,986	-5,422	656	-2,088	-4,611
Kentucky	3,170	-10,110	-8,402	-1,317	5,583	1,693
Louisiana	-10,494	-13,491	-23,167	3,696	1,075	-5,251
Maryland	816	-533	-1,395	-2,626	-2,873	-2,241
Michigan	39,265	-34,646	-52,348	-54,494	-38,760	-57,334
Minnesota	-9	-232	-242	-244	-220	-190
Mississippi	-4,909	-11,495	-17,129	4,913	14,979	-476
Missouri	-210	-217	-432	*	0	*
Montana	3,931	-812	-4,091	-2,393	-3,558	-4,182
Nebraska	-232	-702	-1,206	-564	-935	182
New Mexico	1,939	235	241	2,883	1,623	68
New York	5,738	-10,854	-13,746	-15,700	-8,367	-12,765
Ohio	16,388	-3,490	-22,590	-24,349	-26,059	-26,200
Oklahoma	3,272	-9,766	-4,340	1,626	1,039	-10,437
Oregon	190	-705	-899	-702	-545	-1,472
Pennsylvania	20,680	-31,295	-33,239	-47,206	-37,135	-46,732
Tennessee	5	-31	-42	11	8	-41
Texas	-11,751	-30,361	-16,898	19,068	18,244	-15,267
Utah	-177	-1,600	-4,342	-1,449	-3,718	-5,162
Virginia	-144	-40	-761	-317	349	45
Washington	-191	1,203	-3,610	-2,225	329	-2,739
West Virginia	13,698	-11,598	-17,030	-24,959	-26,009	-26,523
Wyoming	-1,194	1,188	-1,390	172	-1,694	-2,290
Regions						
East Region	57,175	-57,810	-88,761	-115,156	-100,093	-114,416
South Central Region	-25,593	-74,980	-68,100	33,012	35,989	-36,126
Midwest Region	46,603	-107,955	-124,569	-104,928	-62,755	-92,960
Mountain Region	-48	-2,273	-16,801	-4,273	-13,527	-17,044
Pacific Region	6,222	-3,956	-16,679	-1,804	-7,041	-18,145
Total Lower 48 States	84,358	-246,975	-314,911	-193,148	-147,426	-278,691
U.S. Total	85,980	-247,451	-316,535	-195,625	-149,850	-280,799

See footnotes at end of table.

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

(million cubic feet) – continued

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

^a Alaska data are not included in the regions' totals or the lower 48 states total.^R Revised data.^{*} Volume is less than 500 Mcf.

Notes: This table contains total net withdrawals for each of the states with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. EIA publishes weekly estimates of working gas in underground storage by geographical region. 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, March 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	10,751	21,201	-2,385	-18.2	2,607	4,087
Alaska ^a	5	83,592	67,915	14,197	29,957	44,154	-664	-2.2	366	1,588
Arkansas	2	21,774	8,894	12,880	450	13,330	23	5.4	74	770
California	14	604,048	373,966	230,115	101,590	331,705	-53,655	-34.6	15,883	14,441
Colorado	10	140,407	72,554	60,323	19,963	80,286	1,832	10.1	5,880	6,941
Illinois	28	1,009,080	303,613	706,375	59,656	766,030	4,241	7.7	5,735	27,461
Indiana	21	113,006	32,279	80,740	9,913	90,653	615	6.6	82	2,881
Iowa	4	288,210	90,313	197,881	19,243	217,124	3,474	22.0	680	3,344
Kansas	16	282,986	122,982	163,393	23,113	186,506	-6,312	-21.5	4,663	12,635
Kentucky	22	221,695	107,596	112,811	27,767	140,578	-13,035	-31.9	3,826	8,612
Louisiana	19	740,003	449,282	281,795	122,955	404,749	-66,976	-35.3	36,397	53,927
Maryland	1	64,000	18,300	45,677	6,203	51,881	2,113	51.7	411	3,890
Michigan	44	1,071,608	683,820	384,925	120,914	505,839	-14,746	-10.9	5,806	71,516
Minnesota	1	7,000	2,000	4,848	1,074	5,922	-61	-5.4	0	277
Mississippi	11	334,093	204,013	121,046	61,349	182,394	-26,528	-30.2	20,957	27,630
Missouri	1	13,845	3,656	10,189	2,063	12,252	-176	-7.8	1,122	712
Montana	4	376,225	197,477	179,613	3,934	183,547	-3,084	-43.9	858	2,222
Nebraska	1	34,850	12,653	22,197	3,147	25,344	61	2.0	261	565
New Mexico	2	89,100	59,738	29,362	21,787	51,149	-1,657	-7.1	2,042	1,894
New York	26	245,779	127,487	113,774	36,689	150,463	-2,499	-6.4	2,163	9,840
Ohio	24	575,109	253,750	321,358	36,180	357,539	-8,380	-18.8	536	25,636
Oklahoma	12	372,191	195,582	176,246	58,475	234,721	379	0.7	7,480	16,450
Oregon	7	29,208	15,935	13,273	2,826	16,099	-4,441	-61.1	1,219	1,234
Pennsylvania	49	763,296	427,601	334,686	92,063	426,749	-506	-0.5	14,164	55,677
Tennessee	2	2,400	1,800	878	1,185	2,062	22	1.9	0	24
Texas	35	845,081	545,640	293,771	242,581	536,352	7,580	3.2	44,827	45,960
Utah	3	124,509	54,942	69,508	6,034	75,542	-4,615	-43.3	643	6,030
Virginia	2	8,960	4,930	4,030	3,577	7,607	749	26.5	923	1,342
Washington	1	46,900	24,600	22,300	10,098	32,398	3,737	58.8	4,652	2,317
West Virginia	31	531,706	268,810	262,024	40,853	302,877	-5,020	-10.9	5,030	23,358
Wyoming	9	139,947	58,741	79,264	8,474	87,738	-16,189	-65.6	436	1,636
Regions										
East Region	133	2,188,849	1,100,878	1,081,549	215,567	1,297,116	-13,544	-5.9	23,227	119,743
South Central Region	97	2,639,728	1,559,542	1,059,580	519,674	1,579,254	-94,218	-15.3	117,005	161,460
Midwest Region	123	2,726,843	1,225,076	1,498,647	241,813	1,740,459	-19,667	-7.5	17,252	114,827
Mountain Region	29	905,038	456,105	440,267	63,339	503,606	-23,653	-27.2	10,120	19,288
Pacific Region	22	680,156	414,501	265,688	114,514	380,202	-54,359	-32.2	21,754	17,992
Total Lower 48 States	404	9,140,614	4,756,103	4,345,731	1,154,907	5,500,638	-205,441	-15.1	189,358	433,310
U.S. Total	409	9,224,206	4,824,018	4,359,928	1,184,864	5,544,792	-206,105	-14.8	189,724	434,898

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

Notes: Existing fields include both active and inactive fields. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Total gas capacity may not equal the sum of base gas and working gas capacity, owing to changes in operational conditions. Totals may not equal sum of components because of independent rounding. EIA publishes weekly estimates of working gas in underground storage by geographical region. 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			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	15,420	17,177	11,291	3,846	3,757	7,817	35,026
Alaska	7,198	7,539	8,376	2,126	2,268	2,804	18,587
Arizona	21,227	15,688	16,194	5,556	7,322	8,349	35,043
Arkansas	NA	16,828	12,067	NA	5,005	6,472	32,778
California	192,922	166,712	178,121	51,644	74,103	67,175	NA
Colorado	63,608	56,763	49,210	19,493	20,706	23,408	133,446
Connecticut	26,257	24,903	23,591	7,506	8,536	10,215	53,100
Delaware	6,248	NA	5,037	1,708	2,058	2,482	NA
District of Columbia	NA	6,083	5,824	1,673	NA	2,128	12,438
Florida	6,194	6,854	5,284	1,643	2,136	2,414	16,954
Georgia	55,843	58,537	43,272	15,017	15,580	25,246	132,751
Hawaii	164	160	162	55	51	58	590
Idaho	12,850	11,383	12,696	3,443	4,546	4,861	27,111
Illinois	217,034	203,568	171,619	60,542	71,414	85,078	435,421
Indiana	74,043	69,389	56,010	20,848	23,416	29,778	143,773
Iowa	36,883	33,544	28,451	10,026	12,597	14,259	69,576
Kansas	36,233	32,693	25,454	9,344	12,892	13,997	69,351
Kentucky	25,427	25,529	19,510	7,121	7,650	10,656	51,210
Louisiana	17,913	17,776	10,533	4,415	5,726	7,772	39,149
Maine	1,491	1,370	1,268	420	508	563	3,020
Maryland	42,203	43,064	36,610	11,549	14,364	16,290	NA
Massachusetts	58,354	65,172	56,267	17,385	18,227	22,742	130,084
Michigan	167,004	154,581	133,425	47,932	52,919	66,153	336,215
Minnesota	70,634	66,996	56,588	18,976	24,779	26,879	NA
Mississippi	12,025	12,007	7,680	3,172	3,775	5,078	24,453
Missouri	59,337	54,993	40,223	15,740	20,104	23,493	114,010
Montana	11,406	NA	9,421	3,262	4,643	3,501	NA
Nebraska	21,694	20,436	16,400	6,234	7,843	7,617	42,428
Nevada	22,460	18,173	19,230	6,197	7,914	8,349	41,094
New Hampshire	3,913	3,645	3,418	1,076	1,275	1,561	7,745
New Jersey	115,404	116,596	104,271	33,538	37,529	44,336	238,504
New Mexico	17,150	15,709	13,193	4,063	5,824	7,264	NA
New York	234,048	220,517	201,354	71,039	73,069	89,940	475,539
North Carolina	34,683	38,207	27,237	9,511	9,950	15,222	74,354
North Dakota	7,099	NA	5,178	1,872	2,691	2,537	NA
Ohio	148,956	139,307	117,643	43,397	47,551	58,007	294,385
Oklahoma	35,544	32,407	22,991	9,414	12,095	14,035	66,143
Oregon	21,490	18,035	21,075	6,004	8,108	7,377	42,767
Pennsylvania	126,992	124,729	104,688	35,708	40,517	50,767	253,132
Rhode Island	9,680	9,343	8,599	2,799	3,079	3,803	19,804
South Carolina	14,607	15,998	10,960	3,702	4,348	6,556	31,634
South Dakota	7,251	NA	5,691	2,028	2,662	2,560	NA
Tennessee	35,868	37,631	25,353	10,028	10,350	15,490	74,326
Texas	114,403	NA	77,185	32,559	38,809	43,035	NA
Utah	32,430	28,598	27,111	8,592	10,954	12,884	68,310
Vermont	1,970	1,821	1,633	562	666	742	3,933
Virginia	44,260	NA	36,850	11,590	14,298	18,373	NA
Washington	39,372	35,188	39,723	10,465	15,634	13,272	83,000
West Virginia	12,705	13,507	10,687	3,893	3,733	5,079	NA
Wisconsin	72,418	66,490	59,445	19,461	24,220	28,737	142,766
Wyoming	6,690	6,118	5,661	2,149	2,316	2,224	14,604
Total	2,442,035	2,319,222	1,989,760	685,904	806,694	949,438	4,974,887

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018						
	December	November	October	September	August	July	June
Alabama	6,221	4,165	1,024	664	708	682	732
Alaska	2,609	2,094	1,318	754	590	500	672
Arizona	5,771	3,161	1,669	1,130	1,047	1,120	1,326
Arkansas	5,218	3,820	1,197	593	554	501	626
California	63,860	38,605	22,816	19,331	NA	19,967	22,008
Colorado	23,775	16,632	8,974	3,264	2,777	2,611	2,738
Connecticut	7,970	6,068	2,515	1,052	951	1,066	1,325
Delaware	1,740	1,202	373	167	166	166	185
District of Columbia	1,983	1,529	501	250	271	266	253
Florida	1,978	1,183	848	834	752	811	984
Georgia	21,345	17,131	6,303	3,884	4,087	3,917	3,984
Hawaii	49	47	44	45	47	46	50
Idaho	5,079	3,739	1,726	734	567	548	656
Illinois	63,233	57,572	23,343	8,018	7,334	7,470	8,923
Indiana	21,660	19,405	7,255	2,470	2,103	2,203	2,006
Iowa	10,411	8,799	3,675	1,270	1,056	934	1,157
Kansas	11,009	9,516	3,302	1,484	1,158	1,062	1,371
Kentucky	7,764	6,900	2,545	852	748	696	755
Louisiana	6,155	4,531	1,776	1,320	1,121	1,210	1,245
Maine	483	378	168	60	54	49	74
Maryland	12,788	10,157	3,467	1,553	1,474	1,568	1,870
Massachusetts	18,840	13,850	5,119	2,640	2,360	2,482	2,830
Michigan	49,585	43,481	22,202	6,189	6,046	5,269	5,752
Minnesota	20,633	17,589	9,150	2,857	2,485	2,218	2,930
Mississippi	4,123	3,071	934	493	560	513	498
Missouri	18,239	16,228	5,272	1,744	1,662	1,666	1,787
Montana	3,355	2,665	1,680	465	382	357	550
Nebraska	6,377	4,878	2,116	687	609	768	791
Nevada	6,806	3,980	1,995	1,383	1,134	1,234	1,583
New Hampshire	1,258	1,000	257	170	149	136	172
New Jersey	35,463	25,260	11,001	4,694	4,311	4,764	5,911
New Mexico	6,487	NA	1,811	835	876	814	809
New York	67,676	54,825	22,820	10,494	9,705	10,830	12,261
North Carolina	13,131	10,643	2,447	992	959	937	1,152
North Dakota	1,976	1,746	1,027	211	186	170	255
Ohio	44,504	39,632	16,770	4,990	4,620	4,674	4,586
Oklahoma	11,620	8,731	1,827	1,173	1,101	1,046	1,145
Oregon	7,270	5,406	2,648	1,238	900	948	1,303
Pennsylvania	38,049	30,868	12,525	4,405	4,135	4,179	4,554
Rhode Island	2,982	2,370	1,233	364	379	372	413
South Carolina	6,016	4,076	925	488	497	476	503
South Dakota	2,106	1,503	923	210	192	205	247
Tennessee	13,105	8,527	2,018	1,156	943	1,086	1,130
Texas	35,193	22,391	7,811	4,974	4,833	4,693	5,206
Utah	12,307	9,025	4,602	1,668	1,574	1,616	2,057
Vermont	570	420	175	84	72	80	109
Virginia	14,102	8,730	3,401	1,636	1,519	1,674	1,562
Washington	13,065	9,984	6,078	2,605	1,567	2,002	2,424
West Virginia	4,043	3,158	1,321	350	299	332	388
Wisconsin	20,150	18,426	8,674	2,914	2,309	2,297	2,626
Wyoming	2,685	1,712	953	282	226	241	352
Total	762,819	595,468	254,554	112,119	99,353	105,472	118,828

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	
	May	April	March	February	January	Total	December
Alabama	1,127	2,525	3,762	3,781	9,635	26,430	6,211
Alaska	1,031	1,481	2,217	2,618	2,705	20,247	2,525
Arizona	1,729	2,402	4,675	5,213	5,801	32,821	4,272
Arkansas	931	2,509	4,139	4,958	7,731	25,704	5,713
California	27,006	32,336	53,606	55,061	58,044	431,005	62,531
Colorado	5,767	10,144	14,335	20,333	22,095	118,582	21,054
Connecticut	1,965	5,285	7,422	6,900	10,580	48,431	8,288
Delaware	345	1,091	1,944	1,533	NA	9,896	2,007
District of Columbia	358	943	1,830	1,720	2,532	11,904	2,383
Florida	1,146	1,564	1,732	2,038	3,084	14,934	1,816
Georgia	4,710	8,852	15,677	12,223	30,637	111,248	22,315
Hawaii	49	52	52	51	58	572	50
Idaho	801	1,876	3,174	4,018	4,191	28,799	5,273
Illinois	12,347	43,614	54,873	64,644	84,051	377,511	69,482
Indiana	3,676	13,606	19,900	19,981	29,508	123,847	26,461
Iowa	1,788	6,942	8,491	11,176	13,877	60,362	11,284
Kansas	1,739	6,017	7,368	11,405	13,921	54,445	10,772
Kentucky	1,214	4,207	6,877	6,626	12,026	43,253	9,945
Louisiana	1,579	2,436	3,112	4,179	10,485	29,060	6,251
Maine	114	271	386	403	581	2,748	520
Maryland	NA	7,407	13,780	11,424	17,860	75,789	15,141
Massachusetts	4,480	12,311	18,621	21,038	25,513	121,181	22,904
Michigan	9,052	34,058	46,850	45,396	62,334	299,158	58,028
Minnesota	NA	13,499	17,200	23,096	26,700	123,898	22,061
Mississippi	680	1,573	2,284	2,613	7,110	18,446	4,142
Missouri	2,294	10,125	13,547	16,785	24,661	86,865	19,244
Montana	854	1,861	NA	3,510	3,568	21,481	3,627
Nebraska	1,546	4,220	5,060	7,121	8,255	34,069	5,967
Nevada	1,967	2,839	5,622	6,015	6,537	40,911	6,316
New Hampshire	227	731	1,089	998	1,557	7,331	1,428
New Jersey	7,617	22,887	36,896	30,408	49,292	221,608	43,095
New Mexico	1,130	2,088	4,537	4,758	6,414	29,993	5,444
New York	18,783	47,627	67,187	63,551	89,778	432,451	75,715
North Carolina	1,326	4,561	11,140	7,984	19,084	59,933	14,460
North Dakota	650	1,340	NA	2,132	2,285	11,015	1,938
Ohio	5,877	29,426	42,110	38,429	58,768	258,699	53,080
Oklahoma	1,663	5,430	6,380	11,560	14,467	51,069	11,996
Oregon	1,523	3,495	5,426	6,356	6,253	47,841	8,213
Pennsylvania	6,551	23,138	38,942	33,318	52,469	218,719	42,298
Rhode Island	459	1,888	2,925	2,433	3,986	18,421	3,485
South Carolina	727	1,928	3,931	3,278	8,789	24,558	5,845
South Dakota	617	1,415	NA	2,254	2,552	12,146	2,176
Tennessee	2,499	6,231	8,263	9,910	19,458	56,661	14,083
Texas	7,939	12,998	23,771	33,600	NA	164,140	25,645
Utah	2,342	4,522	9,459	8,505	10,634	66,700	13,023
Vermont	179	423	516	561	744	3,509	587
Virginia	2,274	6,645	13,630	11,173	NA	76,904	16,077
Washington	2,812	7,275	11,037	11,997	12,154	91,028	14,960
West Virginia	NA	2,457	4,273	3,671	5,563	22,385	4,473
Wisconsin	3,977	14,904	18,237	22,356	25,896	131,018	25,210
Wyoming	672	1,365	1,904	2,064	2,150	12,553	1,801
Total	168,232	438,820	656,263	687,157	975,802	4,412,282	821,617

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017						
	November	October	September	August	July	June	May
Alabama	2,650	1,193	741	656	679	716	928
Alaska	2,613	1,579	892	601	551	656	983
Arizona	2,133	1,502	1,145	1,011	1,101	1,324	1,781
Arkansas	2,542	931	586	553	570	621	952
California	33,949	23,669	17,774	18,026	19,092	20,885	27,252
Colorado	12,514	8,690	3,557	2,841	2,657	2,955	6,264
Connecticut	4,790	1,430	1,091	1,025	1,075	1,380	2,231
Delaware	953	249	172	158	151	207	350
District of Columbia	934	410	299	287	293	340	518
Florida	1,226	924	823	751	778	880	1,060
Georgia	12,094	6,722	4,105	4,049	3,940	4,108	4,938
Hawaii	47	43	44	42	43	49	44
Idaho	3,069	2,147	836	530	518	599	1,114
Illinois	44,367	17,811	8,054	8,084	8,664	9,174	16,968
Indiana	14,435	5,553	2,498	2,016	2,096	2,415	5,288
Iowa	6,654	2,952	1,127	1,105	1,028	1,276	2,437
Kansas	6,674	2,239	1,166	1,063	1,009	1,228	1,776
Kentucky	5,305	2,019	975	784	719	777	1,188
Louisiana	2,659	1,536	1,221	1,207	1,231	1,287	1,429
Maine	264	85	58	54	52	76	135
Maryland	8,718	2,426	1,732	1,326	1,651	1,789	2,993
Massachusetts	12,151	4,115	2,694	2,497	2,608	3,299	5,950
Michigan	37,037	14,512	7,041	5,408	5,123	6,056	13,698
Minnesota	15,032	6,526	2,556	2,510	2,276	2,997	5,044
Mississippi	1,988	882	622	553	518	526	728
Missouri	10,363	2,311	1,794	1,678	1,597	1,904	3,319
Montana	2,535	1,587	637	349	343	474	902
Nebraska	3,973	1,404	619	434	673	857	1,512
Nevada	2,973	2,035	1,476	1,153	1,310	1,600	2,022
New Hampshire	787	257	155	158	137	176	338
New Jersey	21,617	8,807	4,338	4,288	4,857	6,185	9,355
New Mexico	2,871	1,517	866	818	839	951	1,409
New York	42,655	15,453	10,954	10,216	10,730	13,856	20,615
North Carolina	8,039	2,110	1,096	993	1,135	1,039	1,514
North Dakota	1,388	669	235	177	155	190	347
Ohio	30,997	12,214	5,675	5,045	4,714	5,339	9,994
Oklahoma	4,925	1,511	1,260	1,298	1,172	1,300	1,878
Oregon	5,325	3,149	1,191	778	866	1,330	2,147
Pennsylvania	22,852	7,875	4,601	3,878	4,196	5,099	9,495
Rhode Island	2,051	628	386	407	414	462	798
South Carolina	2,976	835	541	482	559	526	657
South Dakota	1,283	684	244	221	195	265	482
Tennessee	6,831	1,899	1,253	983	1,008	1,168	1,721
Texas	13,224	7,772	5,888	5,438	6,003	5,823	7,749
Utah	6,973	4,527	1,821	1,471	1,680	2,227	2,890
Vermont	301	111	87	78	82	131	187
Virginia	8,094	2,857	1,690	1,587	1,657	1,797	2,501
Washington	10,582	6,464	2,441	1,749	1,802	2,226	4,046
West Virginia	2,611	1,014	485	304	356	325	758
Wisconsin	15,334	6,281	2,739	2,503	2,306	2,795	5,967
Wyoming	1,281	951	266	212	211	372	796
Total	467,638	205,068	114,548	103,832	107,423	124,038	199,451

See footnotes at end of table.

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

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

^R Revised data.

^{NA} Not available.

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

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

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

(million cubic feet)

State	2019	2018	2017	2019			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	9,817	10,449	7,372	2,756	2,266	4,795	27,209
Alaska	NA	5,703	6,251	NA	NA	NA	NA
Arizona	13,220	NA	10,362	3,865	4,465	4,891	NA
Arkansas	NA	19,432	15,583	NA	6,099	7,398	54,112
California	81,959	74,844	72,339	23,741	30,700	27,518	248,307
Colorado	26,789	23,607	20,864	8,401	8,678	9,710	57,793
Connecticut	23,521	22,181	20,862	7,090	7,479	8,951	58,655
Delaware	6,293	NA	5,082	1,886	1,932	2,475	NA
District of Columbia	6,519	NA	5,566	1,923	2,155	2,440	NA
Florida	18,042	18,356	17,159	5,716	5,737	6,590	63,260
Georgia	22,542	22,877	17,875	6,296	6,277	9,969	56,285
Hawaii	663	661	638	216	210	237	2,602
Idaho	7,823	7,067	8,026	2,162	2,736	2,925	18,860
Illinois	106,375	100,753	85,773	31,313	34,519	40,543	242,293
Indiana	40,648	37,758	30,338	11,738	12,752	16,158	86,031
Iowa	25,359	23,574	20,130	7,150	8,532	9,677	55,779
Kansas	17,198	15,704	12,701	4,683	6,193	6,321	41,287
Kentucky	16,932	17,018	13,080	4,874	5,222	6,836	37,923
Louisiana	10,899	9,865	8,042	3,209	3,163	4,527	32,448
Maine	4,322	3,956	3,745	1,250	1,434	1,638	NA
Maryland	29,882	29,608	28,036	9,289	9,120	11,473	NA
Massachusetts	50,150	50,053	44,997	14,234	16,250	19,666	116,485
Michigan	83,481	79,671	68,656	25,363	27,868	30,249	185,911
Minnesota	51,303	49,289	42,140	14,738	18,121	18,443	112,006
Mississippi	7,973	7,645	5,854	2,181	2,541	3,251	19,782
Missouri	31,324	30,337	23,797	8,696	10,638	11,990	68,931
Montana	11,261	10,537	9,600	3,458	4,280	3,523	25,695
Nebraska	15,561	14,233	12,302	4,409	5,690	5,462	34,633
Nevada	12,471	10,950	11,141	3,701	4,272	4,499	32,467
New Hampshire	4,730	4,381	4,050	1,326	1,513	1,890	9,702
New Jersey	65,628	68,191	61,708	19,184	21,797	24,647	160,474
New Mexico	10,634	9,765	8,266	2,683	3,496	4,455	NA
New York	131,528	123,143	118,775	39,447	40,304	51,777	325,099
North Carolina	22,811	24,889	18,991	6,623	6,503	9,684	59,412
North Dakota	7,665	NA	5,654	2,106	2,830	2,729	NA
Ohio	82,598	76,858	65,347	24,455	25,496	32,647	174,256
Oklahoma	21,877	20,181	14,971	6,144	7,367	8,366	46,914
Oregon	13,426	NA	13,293	3,954	4,974	4,498	NA
Pennsylvania	76,804	74,186	62,430	21,458	23,395	31,950	166,747
Rhode Island	5,878	5,641	5,224	1,733	1,844	2,301	12,252
South Carolina	8,810	9,251	7,408	2,630	2,439	3,741	25,308
South Dakota	5,991	NA	4,611	1,665	2,216	2,111	NA
Tennessee	23,912	NA	17,503	6,758	6,602	10,551	NA
Texas	71,307	69,101	54,865	21,211	24,436	25,660	186,550
Utah	18,815	17,012	15,808	5,162	6,444	7,209	NA
Vermont	2,839	2,467	2,267	811	900	1,129	7,283
Virginia	30,322	NA	25,488	8,603	9,468	12,251	NA
Washington	23,226	21,721	23,477	6,741	8,563	7,922	56,728
West Virginia	9,640	9,984	8,358	3,040	2,890	3,710	24,832
Wisconsin	44,479	41,872	37,515	12,959	14,661	16,860	98,482
Wyoming	5,813	6,313	6,004	1,849	2,023	1,940	15,339
Total	1,446,557	1,382,322	1,210,325	422,622	471,631	552,303	3,476,916

See footnotes at end of table.

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

(million cubic feet) – continued

State							2018
	December	November	October	September	August	July	June
Alabama	3,743	3,610	1,748	1,096	1,189	1,134	1,126
Alaska	NA	1,503	988	633	556	436	590
Arizona	4,424	3,363	2,385	2,006	2,073	2,128	NA
Arkansas	6,406	5,530	3,999	2,957	2,994	2,754	2,740
California	28,661	23,120	20,397	16,883	16,418	15,526	16,161
Colorado	9,582	6,748	4,034	1,704	1,676	1,547	1,712
Connecticut	7,377	6,390	4,237	2,698	2,792	2,594	2,452
Delaware	2,004	NA	1,239	786	776	697	693
District of Columbia	1,964	1,733	1,239	654	857	727	824
Florida	6,166	5,180	4,639	4,630	4,487	4,537	4,840
Georgia	8,446	6,882	3,113	2,105	2,162	2,153	2,142
Hawaii	217	212	220	205	226	223	212
Idaho	2,880	2,183	1,479	925	765	705	753
Illinois	30,946	26,594	15,989	8,860	8,663	8,614	8,506
Indiana	11,711	10,292	5,996	2,823	2,313	2,295	2,217
Iowa	7,374	6,661	3,883	1,764	1,720	1,620	1,846
Kansas	5,869	4,415	2,832	1,802	1,881	1,678	1,714
Kentucky	5,103	4,708	2,419	1,214	1,083	1,020	1,012
Louisiana	3,639	3,857	2,610	2,195	2,029	1,890	1,885
Maine	1,379	1,177	678	327	NA	NA	328
Maryland	9,219	8,075	6,085	3,534	3,654	3,416	3,937
Massachusetts	15,213	14,072	6,729	4,353	4,020	3,633	3,964
Michigan	25,933	20,117	11,323	5,047	5,936	5,325	5,435
Minnesota	15,185	12,151	7,490	3,309	2,869	2,892	3,219
Mississippi	2,591	2,327	1,361	872	942	859	864
Missouri	9,406	7,848	3,962	2,284	2,136	2,083	2,137
Montana	3,459	2,760	1,818	1,144	907	731	824
Nebraska	4,634	3,785	2,226	1,238	1,124	1,255	1,251
Nevada	4,126	3,161	2,268	1,856	1,717	1,723	1,899
New Hampshire	1,495	1,260	432	278	238	213	256
New Jersey	21,505	15,957	8,425	5,437	5,952	6,036	6,060
New Mexico	NA	3,568	2,233	1,069	1,163	847	1,057
New York	39,678	36,464	23,058	15,264	14,844	14,812	14,359
North Carolina	7,706	6,840	4,052	2,379	2,190	2,149	2,069
North Dakota	2,224	2,006	1,217	369	343	311	394
Ohio	23,821	21,310	11,423	5,183	5,065	4,709	5,007
Oklahoma	7,063	5,386	2,487	1,612	1,581	1,465	1,582
Oregon	4,427	3,255	1,970	1,187	1,000	976	1,264
Pennsylvania	22,183	18,836	11,110	5,447	5,213	4,920	5,133
Rhode Island	1,832	1,416	783	298	276	281	280
South Carolina	2,910	2,925	1,918	1,219	1,290	1,259	1,330
South Dakota	1,812	1,410	860	334	295	299	345
Tennessee	8,117	6,675	3,514	2,348	2,111	2,243	2,309
Texas	21,919	19,242	12,074	10,369	10,022	8,963	9,446
Utah	7,086	5,224	3,052	1,356	1,222	1,284	1,483
Vermont	984	890	620	388	360	349	349
Virginia	9,357	7,070	5,385	3,286	3,250	3,407	2,969
Washington	7,634	6,009	4,230	2,567	2,294	2,162	2,708
West Virginia	3,096	2,737	1,619	995	1,052	989	1,035
Wisconsin	13,186	11,636	6,388	3,161	2,842	2,852	2,879
Wyoming	2,352	1,584	951	444	381	411	534
Total	454,953	381,851	235,183	144,893	141,224	135,408	140,311

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	
	May	April	March	February	January	Total	December
Alabama	1,168	1,946	2,874	2,238	5,337	22,790	3,908
Alaska	816	1,192	1,731	1,959	2,012	15,544	1,977
Arizona	NA	NA	NA	NA	NA	31,212	3,684
Arkansas	3,002	4,298	5,509	6,018	7,906	47,501	6,407
California	17,545	18,752	25,318	24,191	25,335	237,360	28,185
Colorado	2,697	4,486	6,143	8,368	9,096	52,739	8,626
Connecticut	2,635	5,299	6,834	6,535	8,812	52,513	7,412
Delaware	700	1,224	NA	1,721	NA	13,364	2,226
District of Columbia	642	1,195	1,894	1,759	NA	16,040	2,671
Florida	5,031	5,394	5,942	5,452	6,961	61,313	6,030
Georgia	2,438	3,966	6,379	5,094	11,403	49,193	8,539
Hawaii	209	216	214	203	243	2,446	203
Idaho	799	1,304	2,058	2,417	2,592	19,777	2,925
Illinois	10,265	23,102	28,329	32,997	39,428	215,936	35,932
Indiana	3,089	7,537	10,808	11,022	15,928	75,312	13,712
Iowa	2,244	5,094	6,280	7,778	9,516	49,710	7,870
Kansas	1,779	3,614	3,885	5,416	6,403	34,483	5,286
Kentucky	1,347	3,000	4,647	4,620	7,751	32,796	6,258
Louisiana	2,006	2,472	2,762	2,460	4,643	28,316	3,929
Maine	418	843	1,170	1,183	1,603	8,925	1,518
Maryland	NA	6,514	9,836	8,352	11,420	72,279	11,519
Massachusetts	4,262	10,187	14,962	16,673	18,417	109,470	17,939
Michigan	8,645	18,479	24,178	24,556	30,937	162,634	26,445
Minnesota	4,689	10,913	13,400	17,365	18,524	99,756	16,759
Mississippi	925	1,396	1,805	1,861	3,978	17,643	2,697
Missouri	2,605	6,133	8,054	9,882	12,402	57,903	10,275
Montana	1,215	2,301	3,266	3,671	3,600	23,374	3,524
Nebraska	1,689	3,199	3,760	4,999	5,474	29,018	4,384
Nevada	2,198	2,569	3,595	3,593	3,762	32,200	4,043
New Hampshire	291	858	1,312	1,216	1,853	9,078	1,685
New Jersey	6,819	16,093	21,624	19,869	26,697	148,948	24,082
New Mexico	1,215	1,486	2,934	2,778	4,053	23,624	3,967
New York	14,732	28,745	38,731	36,591	47,822	310,211	45,947
North Carolina	2,391	4,746	8,010	5,992	10,887	53,726	8,507
North Dakota	NA	1,505	NA	2,273	2,223	12,957	2,013
Ohio	4,823	16,057	23,485	21,655	31,718	156,979	28,898
Oklahoma	1,832	3,724	4,474	7,183	8,523	37,834	6,832
Oregon	1,370	2,389	3,507	NA	3,982	31,763	4,918
Pennsylvania	5,367	14,353	24,385	20,019	29,783	145,910	22,264
Rhode Island	303	1,142	1,818	1,522	2,301	11,338	2,161
South Carolina	1,472	1,734	3,033	2,262	3,955	22,923	3,089
South Dakota	NA	1,232	NA	1,865	2,017	10,813	1,755
Tennessee	2,853	4,762	NA	6,467	11,305	49,042	8,865
Texas	11,724	13,691	19,350	21,089	28,663	164,797	19,301
Utah	NA	2,899	5,701	5,142	6,169	41,264	7,489
Vermont	259	617	775	703	988	6,205	932
Virginia	3,226	5,362	10,119	7,796	NA	68,162	10,474
Washington	2,847	4,556	7,057	7,207	7,457	60,096	8,465
West Virginia	1,121	2,204	3,234	2,828	3,923	22,421	3,529
Wisconsin	3,930	9,736	11,510	13,839	16,523	90,470	14,817
Wyoming	872	1,497	2,032	2,087	2,195	13,972	1,818
Total	162,063	298,708	414,033	420,294	547,995	3,164,078	486,690

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017						
	November	October	September	August	July	June	May
Alabama	2,589	1,985	1,232	1,107	1,047	1,074	1,273
Alaska	1,831	1,189	709	550	500	530	855
Arizona	2,552	2,167	1,916	1,874	1,864	1,968	2,287
Arkansas	4,356	3,686	2,919	2,899	2,706	2,749	3,088
California	21,739	19,392	16,064	16,197	15,166	14,780	16,236
Colorado	5,385	3,780	1,881	1,714	1,639	1,741	3,068
Connecticut	5,236	2,796	2,489	2,419	2,437	2,313	2,732
Delaware	1,464	836	652	573	499	561	721
District of Columbia	1,383	1,001	815	825	835	847	1,009
Florida	5,267	4,855	4,393	4,398	4,394	4,646	4,880
Georgia	5,224	3,324	2,231	2,211	2,164	2,215	2,593
Hawaii	204	200	198	202	194	214	192
Idaho	1,924	1,494	943	732	704	719	959
Illinois	22,257	13,695	8,818	8,054	7,691	7,562	12,632
Indiana	8,404	4,996	2,765	2,390	2,231	2,437	3,621
Iowa	5,820	3,597	1,803	1,580	1,598	1,753	2,283
Kansas	3,308	2,314	1,683	1,743	1,578	1,565	1,770
Kentucky	3,761	2,045	1,378	1,136	1,042	1,100	1,337
Louisiana	2,647	2,199	1,795	1,907	1,790	1,925	2,024
Maine	939	382	299	290	289	306	462
Maryland	7,306	3,850	3,237	3,264	3,541	3,025	4,215
Massachusetts	11,692	5,467	4,243	4,076	3,832	3,968	5,859
Michigan	16,897	8,273	5,952	5,409	5,045	5,966	8,793
Minnesota	11,138	5,491	3,066	2,867	2,860	3,117	4,853
Mississippi	1,758	1,460	1,011	979	893	903	1,101
Missouri	5,864	2,812	2,361	2,290	2,089	2,248	2,850
Montana	2,643	1,683	1,010	685	670	753	1,095
Nebraska	3,033	1,689	1,006	807	1,037	1,192	1,500
Nevada	2,658	2,300	1,902	1,704	1,758	1,908	2,189
New Hampshire	1,034	388	244	256	192	239	425
New Jersey	13,261	8,960	6,624	4,874	5,572	6,462	8,134
New Mexico	2,294	1,845	1,131	1,120	1,048	997	1,259
New York	31,356	16,690	14,701	14,852	14,113	14,499	17,995
North Carolina	5,821	3,906	2,763	2,709	2,628	2,394	3,008
North Dakota	1,594	875	461	352	307	320	489
Ohio	17,574	9,170	5,506	5,112	4,685	5,040	7,188
Oklahoma	3,547	2,110	1,581	1,566	1,449	1,551	1,872
Oregon	3,172	2,158	1,147	851	890	1,195	1,674
Pennsylvania	17,272	7,825	4,993	4,725	4,818	5,072	7,328
Rhode Island	1,154	447	252	256	262	297	536
South Carolina	2,362	1,783	1,314	1,301	1,393	1,273	1,513
South Dakota	1,180	705	367	308	302	341	488
Tennessee	5,610	3,317	2,387	2,120	2,051	2,123	2,559
Texas	13,913	12,127	10,270	10,389	10,427	10,176	11,204
Utah	4,406	2,792	1,435	1,197	1,281	1,727	1,958
Vermont	752	401	342	317	292	194	332
Virginia	6,914	4,272	3,449	3,280	3,354	2,985	3,875
Washington	6,198	4,296	2,513	2,171	2,222	2,464	3,505
West Virginia	2,283	1,387	1,080	1,021	968	1,018	1,219
Wisconsin	10,017	5,179	3,025	3,147	2,883	3,068	4,498
Wyoming	1,320	1,021	443	401	408	519	938
Total	322,309	200,614	144,797	137,208	133,637	138,042	178,475

See footnotes at end of table.

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

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

^R Revised data.

^{NA} Not available.

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

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

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

(million cubic feet)

State	2019	2018	2017	2019			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	55,698	52,546	50,711	18,483	17,180	20,035	204,912
Alaska	1,778	1,499	1,444	577	555	646	5,639
Arizona	5,947	5,521	5,598	1,748	1,987	2,212	20,156
Arkansas	28,785	NA	26,290	9,620	8,988	10,176	NA
California	180,504	184,607	184,109	61,442	55,601	63,461	761,086
Colorado	28,830	27,177	25,967	9,034	9,580	10,216	88,809
Connecticut	7,392	7,635	7,494	2,263	2,357	2,772	24,853
Delaware	10,538	NA	7,898	3,261	3,264	4,014	NA
District of Columbia	0	0	0	0	0	0	0
Florida	NA	27,879	27,222	NA	9,237	10,811	108,984
Georgia	41,031	40,270	39,380	13,838	12,445	14,748	158,301
Hawaii	22	22	22	7	7	8	90
Idaho	10,671	9,899	10,350	3,378	3,434	3,859	34,800
Illinois	81,648	77,033	73,848	25,523	25,626	30,499	263,012
Indiana	121,097	NA	104,847	41,289	37,213	42,595	NA
Iowa	67,198	66,181	62,698	22,277	21,850	23,071	249,869
Kansas	35,972	35,242	31,229	10,932	12,137	12,903	129,468
Kentucky	34,943	34,604	31,714	11,840	10,429	12,674	117,081
Louisiana	290,650	NA	267,558	96,524	93,250	100,875	NA
Maine	5,978	5,239	4,946	1,964	1,907	2,107	19,189
Maryland	4,601	NA	4,306	1,549	1,384	1,669	NA
Massachusetts	17,702	16,691	16,477	5,379	6,194	6,129	48,248
Michigan	57,223	NA	52,259	19,109	17,356	20,758	NA
Minnesota	47,593	46,752	46,137	15,138	15,714	16,741	160,133
Mississippi	33,060	34,675	32,450	11,561	10,261	11,239	135,699
Missouri	20,028	19,959	18,520	5,997	6,627	7,404	65,989
Montana	6,137	6,700	5,497	1,900	2,084	2,153	25,211
Nebraska	21,620	22,329	23,603	6,577	7,272	7,771	87,294
Nevada	NA	5,348	5,011	1,736	NA	1,679	20,149
New Hampshire	2,864	2,934	2,713	962	960	942	9,886
New Jersey	12,549	NA	16,064	4,298	4,095	4,156	NA
New Mexico	4,812	4,319	3,843	1,689	1,530	1,593	17,385
New York	28,323	27,292	24,235	9,072	9,344	9,908	NA
North Carolina	34,396	NA	27,925	11,719	10,511	12,166	NA
North Dakota	9,276	8,826	8,331	3,228	2,810	3,238	35,609
Ohio	85,084	84,843	81,390	27,745	26,984	30,355	285,034
Oklahoma	54,086	54,136	50,945	19,136	16,111	18,838	208,738
Oregon	15,047	14,869	16,202	5,009	4,828	5,210	54,079
Pennsylvania	NA	63,927	61,433	NA	NA	NA	229,992
Rhode Island	2,477	2,412	2,313	794	848	835	8,817
South Carolina	26,098	NA	23,492	8,900	8,285	8,914	NA
South Dakota	12,624	12,452	12,059	4,061	4,311	4,253	NA
Tennessee	42,309	NA	36,276	13,900	13,467	14,943	NA
Texas	449,930	440,805	418,294	149,067	141,675	159,188	1,787,162
Utah	11,496	11,095	10,978	3,515	4,008	3,974	39,772
Vermont	NA	648	633	233	229	NA	2,284
Virginia	NA	24,546	24,499	NA	8,911	8,394	NA
Washington	21,100	NA	22,046	7,076	6,754	7,271	NA
West Virginia	NA	9,534	10,354	NA	3,105	3,449	34,594
Wisconsin	51,909	50,516	45,792	17,135	16,850	17,924	166,885
Wyoming	17,500	17,115	14,655	5,102	5,583	6,814	65,759
Total	2,241,834	2,186,951	2,082,059	740,796	710,003	791,035	8,285,836

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018						
	December	November	October	September	August	July	June
Alabama	19,164	18,564	17,466	15,830	16,032	16,027	16,033
Alaska	594	609	495	508	412	415	363
Arizona	2,042	1,900	1,677	1,417	1,503	1,427	1,454
Arkansas	9,948	10,033	9,049	8,243	8,613	7,861	7,618
California	63,880	61,063	62,404	67,764	69,997	66,120	61,794
Colorado	9,840	8,869	7,379	5,697	5,466	5,394	5,332
Connecticut	2,433	2,246	1,947	1,767	1,824	1,785	1,696
Delaware	3,135	NA	2,796	2,149	2,218	NA	NA
District of Columbia	0	0	0	0	0	0	0
Florida	10,355	9,559	8,978	8,627	8,884	8,589	8,332
Georgia	14,347	14,099	12,920	12,205	13,172	12,767	12,877
Hawaii	7	7	8	7	8	8	8
Idaho ^a	3,562	3,477	3,351	2,652	2,332	2,285	2,244
Illinois	26,043	26,066	22,978	18,707	18,341	17,863	16,728
Indiana	39,877	37,604	NA	29,188	31,836	33,565	31,796
Iowa	21,781	22,747	21,473	19,143	20,360	19,906	18,735
Kansas	12,031	11,309	9,098	9,054	10,328	11,250	9,934
Kentucky	11,380	11,009	9,302	7,896	8,300	8,112	7,834
Louisiana	97,645	93,510	92,332	93,857	94,130	94,629	95,929
Maine	1,993	1,847	1,801	1,596	1,457	1,448	1,189
Maryland	1,855	1,951	1,431	1,249	1,275	1,352	1,118
Massachusetts	5,246	4,097	3,623	2,537	2,548	2,551	2,881
Michigan	17,943	17,891	14,884	11,953	11,431	11,267	11,666
Minnesota	16,384	15,353	11,824	10,824	11,144	11,401	10,875
Mississippi	11,300	11,492	11,127	10,884	11,087	10,490	11,155
Missouri	6,492	6,581	5,335	4,427	4,628	4,372	4,346
Montana	2,234	2,257	2,166	2,047	2,011	2,121	2,044
Nebraska	7,495	7,981	7,801	6,888	6,611	7,441	6,608
Nevada	1,693	1,579	1,624	1,640	1,738	1,828	1,534
New Hampshire	904	873	778	694	679	686	689
New Jersey	NA	NA	NA	NA	3,431	3,584	3,459
New Mexico	1,191	1,583	1,558	1,421	1,414	1,424	1,449
New York	8,754	8,854	7,804	6,247	6,342	6,275	NA
North Carolina	11,103	10,805	9,903	8,026	9,102	8,717	8,773
North Dakota	3,473	2,871	3,240	3,024	2,887	2,861	2,761
Ohio	27,712	24,681	21,740	19,856	19,587	19,531	20,453
Oklahoma	18,111	17,389	18,371	17,297	16,622	15,301	16,083
Oregon	4,738	4,595	4,621	4,150	4,059	3,986	4,174
Pennsylvania	21,817	20,283	18,660	16,554	17,134	17,002	16,727
Rhode Island	803	771	659	692	656	623	652
South Carolina	8,810	8,955	8,452	6,986	7,707	7,487	7,579
South Dakota	4,314	4,191	3,671	3,630	3,637	3,530	3,576
Tennessee	13,234	NA	11,940	11,077	11,481	11,173	11,610
Texas	159,707	152,185	141,762	146,321	150,647	153,149	145,163
Utah	3,688	3,344	2,895	3,045	2,941	2,941	3,152
Vermont	230	212	195	162	161	154	156
Virginia	8,519	7,884	7,934	NA	6,586	7,762	NA
Washington	7,019	5,838	7,018	6,470	5,876	5,806	5,806
West Virginia	3,153	3,028	2,959	2,585	2,894	2,840	2,508
Wisconsin	16,606	15,972	13,666	11,038	11,176	10,546	10,590
Wyoming	6,242	6,344	6,012	5,370	5,195	4,555	4,815
Total	755,975	726,304	671,454	646,642	657,898	654,616	638,919

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	
	May	April	March	February	January	Total	December
Alabama	16,618	16,632	17,536	16,146	18,864	196,686	18,546
Alaska	392	352	439	525	535	4,156	395
Arizona	1,581	1,633	1,788	1,766	1,966	19,250	1,999
Arkansas	8,164	8,862	9,051	8,829	NA	100,251	9,549
California	63,220	60,237	63,615	57,100	63,893	760,661	66,073
Colorado	6,156	7,498	8,209	9,232	9,736	84,914	9,236
Connecticut	1,614	1,905	2,520	2,340	2,776	24,557	2,604
Delaware	NA	NA	NA	NA	3,963	29,860	2,511
District of Columbia	0	0	0	0	0	0	0
Florida	8,780	9,002	9,867	7,889	10,123	103,417	9,700
Georgia	12,780	12,864	14,189	11,966	14,116	150,172	13,801
Hawaii	8	8	7	7	8	85	5
Idaho*	2,458	2,541	3,270	3,099	3,529	35,856	3,492
Illinois	17,685	21,568	24,356	23,803	28,874	258,841	28,905
Indiana	34,496	34,679	39,247	37,558	NA	379,118	39,292
Iowa	18,991	20,552	22,276	20,873	23,032	241,187	23,040
Kansas	10,272	10,951	11,204	11,183	12,855	127,653	12,437
Kentucky	8,648	9,996	11,328	10,924	12,352	113,582	11,385
Louisiana	96,531	91,519	93,184	90,394	NA	1,096,400	100,026
Maine	1,152	1,468	1,703	1,637	1,900	17,698	1,892
Maryland	1,482	NA	NA	NA	2,093	15,744	1,549
Massachusetts	3,157	4,917	5,288	5,315	6,089	47,004	5,754
Michigan	12,204	15,346	18,246	NA	19,443	170,189	19,301
Minnesota	11,979	13,598	14,896	15,299	16,557	165,901	15,419
Mississippi	11,533	11,955	11,777	10,772	12,126	128,356	11,839
Missouri	4,303	5,545	6,225	6,762	6,973	63,158	6,841
Montana	1,888	1,744	2,099	2,259	2,343	23,393	2,756
Nebraska	6,627	7,514	7,332	7,357	7,640	89,521	8,325
Nevada	1,518	1,646	1,851	1,675	1,823	19,269	1,832
New Hampshire	779	871	916	999	1,019	9,499	941
New Jersey	NA	NA	NA	NA	NA	54,298	4,845
New Mexico	1,603	1,422	1,506	1,314	1,498	15,412	1,486
New York	5,842	8,231	8,806	8,834	9,652	82,779	9,123
North Carolina	8,942	9,817	11,028	9,460	NA	107,373	10,727
North Dakota	2,507	3,158	2,898	2,909	3,020	32,127	3,244
Ohio	21,812	24,820	27,130	27,015	30,698	277,767	29,055
Oklahoma	17,685	17,743	18,194	17,483	18,458	199,576	17,611
Oregon	4,314	4,572	5,035	4,610	5,225	57,849	5,265
Pennsylvania	17,706	20,183	21,739	19,444	22,745	219,028	21,967
Rhode Island	741	809	727	843	842	8,551	773
South Carolina	7,779	8,205	NA	7,598	7,463	91,644	8,265
South Dakota	3,591	NA	3,942	4,244	4,267	45,481	4,246
Tennessee	11,132	12,717	12,060	11,933	NA	134,555	12,987
Texas	150,337	147,085	149,515	134,557	156,733	1,681,634	155,675
Utah	3,223	3,449	3,361	3,797	3,937	40,007	3,874
Vermont	173	193	219	204	224	2,191	226
Virginia	7,771	7,558	8,194	8,179	8,173	94,098	8,239
Washington	5,935	6,241	NA	7,560	7,651	80,656	7,720
West Virginia	2,502	2,590	2,917	3,082	3,535	38,358	3,596
Wisconsin	11,949	14,827	15,964	16,229	18,322	154,920	17,463
Wyoming	4,599	5,512	5,809	5,504	5,803	54,512	5,483
Total	660,292	686,787	726,891	689,088	770,972	7,949,199	761,315

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017						
	November	October	September	August	July	June	May
Alabama	16,591	15,959	15,361	15,837	15,690	15,792	16,284
Alaska	305	239	215	241	200	341	374
Arizona	1,498	1,573	1,387	1,374	1,331	1,348	1,560
Arkansas	8,536	8,717	7,766	7,936	7,577	7,754	8,214
California	62,097	64,587	67,363	69,045	64,345	60,312	62,370
Colorado	7,830	6,938	5,080	5,415	5,273	5,382	6,685
Connecticut	2,348	1,664	1,665	1,737	1,750	1,691	1,756
Delaware	2,534	2,647	2,927	2,492	2,272	2,424	2,316
District of Columbia	0	0	0	0	0	0	0
Florida	8,977	8,841	7,277	8,360	8,082	7,874	8,590
Georgia	13,207	11,771	10,375	12,475	12,212	12,582	12,594
Hawaii	7	7	8	8	7	7	7
Idaho	3,326	3,248	2,701	2,259	2,470	2,453	2,739
Illinois	24,949	20,943	18,252	18,199	17,082	17,387	19,237
Indiana	32,914	29,353	29,286	28,791	28,373	27,048	28,706
Iowa	21,394	18,916	18,558	19,383	19,224	19,011	19,588
Kansas	11,451	9,490	10,383	11,177	11,787	10,250	9,317
Kentucky	10,094	9,133	8,186	8,383	7,998	8,470	9,191
Louisiana	95,589	93,604	89,667	93,269	90,756	88,608	89,293
Maine	1,752	1,396	1,291	1,229	1,300	1,200	1,257
Maryland	1,545	1,255	1,205	1,133	1,183	1,294	1,234
Massachusetts	4,138	2,860	2,524	2,521	2,494	2,712	3,205
Michigan	15,375	13,700	11,313	11,794	10,642	10,688	12,253
Minnesota	14,756	12,890	12,342	12,902	12,244	12,617	12,857
Mississippi	11,234	10,449	10,432	10,624	10,028	10,107	10,741
Missouri	5,617	5,105	4,311	4,557	4,367	4,327	4,679
Montana	2,668	2,668	2,088	1,930	1,817	1,470	1,158
Nebraska	7,795	7,870	6,724	7,276	7,653	6,272	6,928
Nevada	1,646	1,737	1,530	1,581	1,454	1,482	1,470
New Hampshire	818	725	677	658	680	676	759
New Jersey	4,086	4,941	3,545	3,830	4,099	4,479	4,363
New Mexico	1,304	1,327	1,215	1,260	1,265	1,221	1,277
New York	8,387	6,613	5,711	5,760	5,605	5,445	5,516
North Carolina	10,190	9,444	8,158	8,420	7,805	8,109	8,311
North Dakota	2,603	2,658	1,797	2,491	2,506	2,749	2,849
Ohio	25,226	21,235	20,375	19,389	19,040	18,629	21,099
Oklahoma	16,344	17,006	16,351	16,119	15,682	15,878	16,580
Oregon	4,791	4,894	4,363	4,270	4,137	4,399	4,747
Pennsylvania	20,038	17,812	16,507	15,614	15,801	15,971	16,819
Rhode Island	709	641	673	672	644	660	666
South Carolina	8,536	8,064	7,059	7,447	6,996	7,138	7,435
South Dakota	3,996	3,530	3,555	3,642	3,589	3,569	3,663
Tennessee	10,700	10,473	10,403	10,891	10,480	10,639	11,033
Texas	146,275	142,341	130,756	140,307	142,969	139,976	133,114
Utah	3,380	2,947	3,048	2,907	3,035	3,112	3,247
Vermont	204	166	158	164	158	158	158
Virginia	8,300	7,583	7,553	7,439	6,704	7,845	7,899
Washington	6,995	7,290	6,287	6,088	5,935	5,952	6,065
West Virginia	3,444	3,193	3,046	3,101	2,953	3,005	2,931
Wisconsin	14,978	12,171	10,461	10,954	10,268	9,988	11,080
Wyoming	4,635	4,389	4,192	4,199	3,973	4,015	4,380
Total	696,113	657,005	616,109	637,549	623,935	614,517	628,595

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2017-2019
(million cubic feet) – continued

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

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

^R Revised data.

^{NA} Not available.

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

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

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2017-2019

(million cubic feet)

State	2019	2018	2017	2019			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	89,577	88,735	79,410	34,456	27,370	27,750	431,553
Alaska	9,349	8,292	5,717	3,053	2,907	3,388	33,050
Arizona	64,887	36,762	22,225	22,739	19,902	22,246	287,022
Arkansas	28,968	32,216	23,321	9,218	11,323	8,427	142,080
California	139,896	136,260	120,172	40,034	48,209	51,653	629,469
Colorado	31,724	29,065	19,791	10,073	11,099	10,552	128,072
Connecticut	31,240	29,104	26,214	10,050	9,908	11,282	135,450
Delaware	4,794	7,790	9,650	2,288	1,317	1,189	34,950
District of Columbia	--	--	--	--	--	--	--
Florida	270,504	264,784	240,973	94,135	86,137	90,233	1,280,920
Georgia	82,102	84,244	83,666	24,715	27,340	30,047	377,421
Hawaii	--	--	--	--	--	--	--
Idaho	6,415	3,752	4,139	1,329	2,433	2,653	22,085
Illinois	29,395	W	24,808	9,957	9,073	10,365	160,255
Indiana	51,036	41,384	38,128	16,735	16,540	17,761	185,155
Iowa	10,666	8,909	3,791	3,604	3,429	3,633	49,657
Kansas	3,393	4,312	2,947	1,081	1,116	1,195	32,422
Kentucky	24,442	31,354	16,820	9,004	6,019	9,419	114,492
Louisiana	68,072	64,011	52,033	22,427	20,511	25,133	299,490
Maine	2,815	W	W	875	900	1,039	W
Maryland	23,650	18,064	9,305	10,353	8,069	5,228	101,163
Massachusetts	33,296	38,640	37,589	10,437	10,655	12,204	144,031
Michigan	59,091	61,802	47,790	19,458	18,369	21,264	247,744
Minnesota	16,880	14,176	11,628	5,681	6,572	4,627	65,650
Mississippi	73,493	88,675	74,027	24,102	23,871	25,520	364,790
Missouri	11,914	16,651	9,100	4,579	3,388	3,947	67,697
Montana	1,415	896	1,035	320	632	463	4,899
Nebraska	W	1,175	773	567	W	339	10,453
Nevada	41,008	41,285	42,185	13,401	13,038	14,570	200,426
New Hampshire	3,406	1,381	3,461	1,552	607	1,248	21,563
New Jersey	66,137	62,727	64,440	21,280	21,945	22,912	294,225
New Mexico	21,530	17,910	16,331	6,783	7,093	7,654	96,428
New York	86,213	85,875	91,037	26,947	28,522	30,744	420,296
North Carolina	76,157	74,338	68,823	25,216	26,309	24,631	333,347
North Dakota	1,902	W	2,161	633	605	665	7,145
Ohio	86,574	71,347	45,022	29,435	28,871	28,268	305,814
Oklahoma	65,972	51,564	37,909	20,243	21,027	24,702	314,498
Oregon	39,166	28,996	19,641	13,079	12,322	13,765	122,230
Pennsylvania	152,111	118,141	96,353	50,082	49,353	52,676	546,201
Rhode Island	9,521	W	8,511	3,749	2,767	3,005	W
South Carolina	37,187	29,013	26,783	11,775	12,721	12,691	176,797
South Dakota	W	W	1,212	391	W	449	W
Tennessee	27,338	22,866	19,125	9,970	8,384	8,985	99,712
Texas	334,087	332,505	254,304	109,233	101,043	123,811	1,615,400
Utah	17,393	10,257	9,775	6,315	5,489	5,588	61,649
Vermont	4	1	4	2	1	1	11
Virginia	98,843	81,498	71,619	31,350	33,433	34,060	356,382
Washington	21,600	16,957	16,222	6,676	5,596	9,328	78,505
West Virginia	1,077	W	W	413	247	417	10,754
Wisconsin	36,091	32,077	19,949	12,247	11,585	12,259	135,365
Wyoming	625	W	W	217	277	130	2,146
Total	2,395,560	2,241,913	1,885,072	792,262	769,182	834,116	10,625,694

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018						
	December	November	October	September	August	July	June
Alabama	29,657	31,156	37,623	43,565	43,207	45,373	39,099
Alaska	2,493	1,986	2,253	3,245	4,071	3,987	2,592
Arizona	22,826	21,531	29,186	35,761	38,560	37,263	27,153
Arkansas	4,925	7,204	14,584	11,685	14,852	15,992	14,354
California	53,610	55,519	61,611	56,086	76,620	84,973	42,832
Colorado	10,166	9,937	9,971	11,296	12,743	14,696	12,168
Connecticut	12,350	12,263	11,625	12,216	14,689	14,093	11,464
Delaware	1,157	1,534	3,866	3,767	4,715	3,337	2,257
District of Columbia	--	--	--	--	--	--	--
Florida	84,630	94,658	121,014	130,881	131,226	132,621	119,193
Georgia	26,149	24,294	31,444	36,863	39,093	42,908	35,966
Hawaii	--	--	--	--	--	--	--
Idaho	2,296	2,134	998	2,946	2,868	3,238	1,845
Illinois	6,629	9,696	11,096	16,976	21,600	22,152	14,534
Indiana	14,523	14,959	13,899	14,853	18,378	19,444	17,035
Iowa	3,311	2,199	3,095	5,980	5,545	6,249	4,779
Kansas	971	1,397	2,651	3,021	3,623	4,797	4,329
Kentucky	6,407	8,993	9,382	11,023	10,999	10,957	8,280
Louisiana	15,779	16,516	28,324	29,211	31,644	34,746	30,123
Maine	609	1,060	1,895	1,208	2,102	2,005	1,506
Maryland	6,609	5,916	10,430	11,179	11,914	10,930	8,018
Massachusetts	9,718	8,492	10,009	12,530	19,330	17,622	10,459
Michigan	16,362	15,088	18,163	21,959	24,231	23,862	19,319
Minnesota	3,090	3,227	3,740	7,768	8,014	8,732	5,314
Mississippi	19,543	24,432	24,146	33,807	39,032	39,287	33,059
Missouri	3,195	4,815	5,914	5,764	7,577	7,849	6,421
Montana	587	483	389	W	617	524	280
Nebraska	W	W	884	W	1,358	1,626	785
Nevada	13,538	13,701	15,257	20,429	23,976	25,305	19,356
New Hampshire	502	1,380	3,203	2,249	4,153	4,186	3,043
New Jersey	22,025	20,998	23,310	29,373	34,315	34,230	24,002
New Mexico	9,186	7,195	6,700	8,902	10,317	10,711	9,673
New York	29,514	30,423	33,418	40,474	55,506	51,805	35,828
North Carolina	24,407	26,316	29,108	31,035	34,560	38,192	29,893
North Dakota	W	W	620	W	874	902	552
Ohio	27,600	26,746	26,726	25,329	29,975	29,020	24,168
Oklahoma	19,134	21,567	22,265	32,133	36,435	41,579	34,900
Oregon	12,577	11,799	11,043	13,492	14,797	14,196	5,663
Pennsylvania	43,819	41,270	48,717	53,918	61,612	57,672	46,611
Rhode Island	3,817	3,208	5,211	5,379	5,878	5,566	4,450
South Carolina	10,920	15,988	17,220	22,220	20,600	21,539	17,399
South Dakota	W	W	608	W	1,073	1,207	588
Tennessee	6,638	7,785	9,254	10,989	11,266	11,132	8,768
Texas	109,193	102,609	127,916	153,251	185,073	202,274	156,865
Utah	5,836	5,311	6,044	6,066	8,147	8,389	4,549
Vermont	*	1	1	1	*	2	2
Virginia	31,191	27,014	22,035	35,404	38,248	38,204	35,359
Washington	5,160	3,046	5,661	10,127	11,922	12,207	5,656
West Virginia	W	687	1,401	1,875	1,416	1,347	868
Wisconsin	10,041	8,253	10,875	13,920	16,314	16,375	10,964
Wyoming	141	209	201	W	W	329	147
Total	743,958	756,296	894,986	1,044,507	1,195,340	1,235,633	952,471

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2017-2019

(million cubic feet) – continued

State	2018					2017	
	May	April	March	February	January	Total	December
Alabama	39,676	33,462	30,331	24,693	33,711	387,460	30,027
Alaska	1,991	2,139	3,017	2,393	2,883	27,141	2,879
Arizona	20,667	17,312	12,787	12,036	11,939	222,843	15,583
Arkansas	13,253	13,016	10,614	10,514	11,088	133,042	12,806
California	29,657	32,301	48,607	41,231	46,422	597,171	50,535
Colorado	10,487	7,543	8,770	9,878	10,417	98,427	8,882
Connecticut	8,699	8,947	10,374	9,458	9,272	107,213	10,080
Delaware	3,249	3,279	3,444	2,373	1,973	45,793	2,622
District of Columbia	--	--	--	--	--	*	*
Florida	105,002	96,910	92,076	82,249	90,459	1,196,155	86,507
Georgia	33,624	22,838	26,745	26,277	31,222	377,452	32,831
Hawaii	--	--	--	--	--	--	--
Idaho	1,018	W	1,132	1,164	1,457	20,214	2,067
Illinois	15,007	9,179	11,108	W	12,821	116,882	9,016
Indiana	17,450	13,231	12,630	12,852	15,902	151,820	16,492
Iowa	5,130	4,460	3,275	2,547	3,088	27,706	3,249
Kansas	5,045	2,276	1,825	1,149	1,338	23,257	1,582
Kentucky	9,701	7,394	9,356	7,509	14,489	84,878	8,188
Louisiana	28,705	20,431	19,561	19,450	25,000	272,156	21,902
Maine	1,313	918	1,406	W	805	19,088	1,601
Maryland	10,889	7,213	6,630	7,655	3,779	51,303	5,044
Massachusetts	8,734	8,496	12,610	13,613	12,417	163,128	13,410
Michigan	24,189	22,769	23,536	16,719	21,548	216,285	21,153
Minnesota	5,789	5,800	5,489	3,980	4,707	58,713	5,661
Mississippi	33,551	29,257	26,674	25,982	36,019	346,990	31,169
Missouri	6,754	2,756	4,530	7,184	4,937	44,834	3,383
Montana	368	W	273	287	337	5,118	450
Nebraska	1,313	W	415	274	486	5,531	284
Nevada	14,347	13,231	13,525	13,023	14,737	196,646	14,765
New Hampshire	850	616	242	223	916	25,975	1,429
New Jersey	21,642	21,604	23,835	22,040	16,853	278,263	23,081
New Mexico	8,520	7,315	6,829	5,685	5,395	75,644	6,207
New York	31,178	26,275	27,334	30,594	27,946	400,403	31,253
North Carolina	24,829	20,669	27,793	22,479	24,066	285,843	26,844
North Dakota	W	W	575	W	520	10,100	993
Ohio	23,004	21,898	23,049	22,169	26,130	205,619	21,547
Oklahoma	33,934	20,986	16,138	17,418	18,008	235,574	19,103
Oregon	3,179	6,488	11,260	7,384	10,352	88,673	11,711
Pennsylvania	37,153	37,289	41,539	39,647	36,955	440,807	33,147
Rhode Island	3,927	3,670	3,598	W	3,178	41,128	3,072
South Carolina	12,351	9,547	10,432	7,073	11,508	135,107	9,625
South Dakota	W	W	443	W	549	6,467	540
Tennessee	5,411	5,604	7,150	6,543	9,174	77,410	6,653
Texas	145,076	100,637	106,900	103,835	121,769	1,383,503	110,222
Utah	3,814	3,235	3,229	3,245	3,783	40,900	3,738
Vermont	*	2	1	1	--	12	1
Virginia	27,585	19,845	26,513	27,627	27,358	327,126	27,707
Washington	3,431	4,339	6,190	4,501	6,266	77,234	8,453
West Virginia	1,053	1,145	275	W	517	11,295	434
Wisconsin	9,113	7,434	11,291	10,081	10,705	104,470	10,144
Wyoming	W	W	W	145	W	1,268	154
Total	853,201	707,388	755,400	701,253	785,260	9,250,066	768,229

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2017-2019

(million cubic feet) – continued

State	2017						
	November	October	September	August	July	June	May
Alabama	30,663	31,968	35,935	41,891	43,183	33,599	30,994
Alaska	2,287	2,739	2,590	3,148	3,075	1,798	1,398
Arizona	12,775	21,580	24,782	31,174	34,001	27,480	19,077
Arkansas	6,552	10,535	10,781	14,121	16,802	13,498	13,100
California	48,013	58,492	62,609	78,072	67,121	49,346	35,394
Colorado	6,641	6,431	9,209	11,276	12,634	8,919	7,299
Connecticut	10,253	9,317	8,206	10,854	10,807	7,911	6,513
Delaware	2,381	3,671	3,758	5,123	5,481	5,034	4,977
District of Columbia	--	--	--	--	--	--	--
Florida	83,018	106,714	112,489	128,071	125,089	109,736	110,008
Georgia	26,920	29,911	33,691	41,187	39,860	34,495	30,628
Hawaii	--	--	--	--	--	--	--
Idaho	1,608	2,046	2,004	2,466	2,481	1,336	1,018
Illinois	7,543	8,982	11,325	12,376	15,559	12,488	8,386
Indiana	12,651	12,159	13,843	13,840	15,322	11,947	7,722
Iowa	2,098	2,623	3,197	3,935	3,785	1,969	1,450
Kansas	1,563	2,518	2,034	2,852	4,037	2,604	1,598
Kentucky	7,550	5,319	6,666	8,501	10,869	7,897	6,451
Louisiana	15,618	26,045	25,718	29,240	30,216	26,532	23,915
Maine	W	W	W	W	W	W	W
Maryland	5,218	3,262	5,952	4,900	5,951	4,624	3,267
Massachusetts	9,884	12,070	13,431	17,504	17,273	15,120	13,217
Michigan	16,756	19,250	18,700	21,353	23,797	17,749	15,867
Minnesota	4,496	5,591	5,964	7,274	8,038	3,957	3,115
Mississippi	24,528	25,870	29,682	36,360	39,236	30,537	30,306
Missouri	3,547	W	4,698	4,582	5,821	4,260	2,943
Montana	340	434	532	727	634	315	319
Nebraska	282	319	588	769	1,513	450	342
Nevada	14,037	16,823	17,643	22,428	22,970	19,267	14,582
New Hampshire	1,850	1,668	3,324	3,468	2,923	2,505	1,776
New Jersey	18,584	21,751	23,629	26,502	31,311	26,603	22,211
New Mexico	4,903	5,982	6,601	7,717	9,181	8,075	6,116
New York	27,835	30,115	36,648	44,450	47,146	37,934	28,322
North Carolina	22,687	22,530	24,699	27,503	28,212	24,265	21,983
North Dakota	821	899	973	1,111	1,126	761	628
Ohio	20,491	15,269	17,640	20,914	21,142	17,010	14,752
Oklahoma	14,548	18,031	21,568	29,133	34,774	24,995	18,664
Oregon	8,347	10,577	9,407	11,698	9,828	3,116	2,020
Pennsylvania	32,340	45,997	44,848	46,837	49,613	38,393	27,745
Rhode Island	3,304	W	3,926	4,249	4,480	3,817	3,286
South Carolina	10,191	12,271	12,622	13,429	14,172	11,987	12,820
South Dakota	427	543	707	865	1,071	W	352
Tennessee	5,416	6,291	6,626	7,456	8,614	7,142	3,618
Texas	88,443	110,054	125,868	166,502	176,441	142,427	111,299
Utah	1,982	2,017	3,581	6,207	5,218	3,670	2,516
Vermont	1	*	1	1	*	1	2
Virginia	26,263	21,680	31,012	35,320	37,392	33,514	23,226
Washington	6,714	8,284	7,571	10,262	8,374	3,605	3,452
West Virginia	915	2,067	2,064	1,470	1,544	1,047	496
Wisconsin	8,004	10,295	10,809	12,373	13,683	8,059	5,542
Wyoming	90	55	116	219	292	85	W
Total	662,814	779,799	862,068	1,033,682	1,074,275	854,087	706,151

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2017-2019

(million cubic feet) – continued

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

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

-- Not applicable.

* Volume is less than 500 Mcf.

^w Withheld.

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

Source: 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			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	170,554	168,989	148,827	59,557	50,587	60,411	698,910
Alaska	NA	23,036	21,790	NA	NA	NA	NA
Arizona	105,987	NA	55,084	34,151	33,895	37,941	NA
Arkansas	NA	NA	77,274	NA	31,419	32,476	NA
California	600,729	567,372	560,189	178,737	210,308	211,684	NA
Colorado	151,079	136,710	115,961	47,045	50,103	53,931	408,565
Connecticut	88,416	83,827	78,166	26,912	28,281	33,222	272,077
Delaware	27,873	NA	27,668	9,143	8,571	10,160	NA
District of Columbia	NA	NA	11,664	3,690	NA	4,663	NA
Florida	NA	317,964	290,812	NA	103,301	110,108	1,470,666
Georgia	201,785	206,363	184,460	59,958	61,725	80,103	725,984
Hawaii	848	843	821	278	268	302	3,281
Idaho	37,800	32,138	35,251	10,326	13,162	14,312	103,004
Illinois	434,588	414,846	356,183	127,381	140,675	166,532	1,101,451
Indiana	286,858	NA	229,358	90,622	89,932	106,304	NA
Iowa	140,114	132,216	115,079	43,060	46,411	50,642	424,911
Kansas	92,848	87,978	72,383	26,059	32,354	34,435	272,693
Kentucky	101,780	108,535	81,160	32,852	29,331	39,597	320,833
Louisiana	387,587	NA	338,220	126,594	122,667	138,326	NA
Maine	14,606	14,981	14,036	4,510	4,748	5,348	NA
Maryland	100,378	NA	78,300	32,754	32,950	34,674	NA
Massachusetts	159,605	170,776	155,433	47,470	51,358	60,777	439,392
Michigan	366,913	NA	302,245	111,902	116,547	138,464	NA
Minnesota	186,449	177,231	156,533	54,547	65,199	66,704	NA
Mississippi	126,573	143,020	120,032	41,022	40,455	45,096	544,802
Missouri	122,678	121,960	91,715	35,038	40,780	46,860	316,832
Montana	30,220	NA	25,552	8,941	11,639	9,640	NA
Nebraska	60,221	58,187	53,102	17,795	21,229	21,197	174,884
Nevada	NA	76,059	78,108	25,221	NA	29,282	295,852
New Hampshire	14,941	12,358	13,670	4,926	4,364	5,651	48,987
New Jersey	259,813	NA	246,578	78,333	85,396	96,084	NA
New Mexico	54,158	47,748	41,664	15,228	17,953	20,976	NA
New York	481,204	457,747	436,494	146,881	151,579	182,744	NA
North Carolina	168,106	NA	143,036	53,090	53,292	61,724	NA
North Dakota	25,942	NA	21,324	7,838	8,936	9,168	NA
Ohio	403,457	372,495	309,647	125,117	128,978	149,361	1,060,270
Oklahoma	177,629	158,411	126,966	54,989	56,647	65,993	636,821
Oregon	89,195	NA	70,278	28,069	30,253	30,873	NA
Pennsylvania	NA	381,129	325,046	NA	NA	NA	1,196,610
Rhode Island	27,586	27,930	24,678	9,085	8,547	9,954	92,593
South Carolina	86,725	NA	68,666	27,015	27,801	31,910	NA
South Dakota	27,148	NA	23,574	8,145	9,630	9,373	NA
Tennessee	129,512	NA	98,342	40,685	38,829	49,999	NA
Texas	970,832	NA	805,753	312,451	306,307	352,075	NA
Utah	80,221	67,050	63,760	23,615	26,921	29,685	NA
Vermont	NA	4,938	4,538	1,608	1,797	NA	13,515
Virginia	NA	NA	158,645	NA	66,170	73,142	NA
Washington	105,439	NA	101,609	31,007	36,590	37,842	NA
West Virginia	NA	33,903	30,338	NA	9,978	12,658	NA
Wisconsin	204,920	190,986	162,725	61,811	67,323	75,787	543,599
Wyoming	30,635	29,806	26,475	9,321	10,203	11,111	97,873
Total	8,537,983	8,141,103	7,179,213	2,645,715	2,761,242	3,131,025	27,406,707

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018						
	December	November	October	September	August	July	June
Alabama	58,796	57,508	57,874	61,167	61,149	63,229	57,003
Alaska	NA	6,193	5,055	5,142	5,630	5,339	4,217
Arizona	35,279	30,164	35,133	40,524	43,399	42,155	NA
Arkansas	26,501	26,591	28,833	23,481	27,017	27,111	25,341
California	211,685	179,926	168,900	161,684	NA	188,258	144,413
Colorado	53,402	42,225	30,398	21,999	22,702	24,288	21,989
Connecticut	30,131	26,968	20,327	17,736	20,259	19,539	16,938
Delaware	8,036	NA	8,274	6,869	7,875	NA	NA
District of Columbia	4,031	3,344	1,825	985	1,213	1,077	1,158
Florida	103,183	110,632	135,533	145,024	145,403	146,612	133,402
Georgia	70,368	62,485	53,861	55,136	58,597	61,827	55,049
Hawaii	273	266	272	257	281	277	270
Idaho	13,830	11,545	7,567	7,269	6,544	6,788	5,510
Illinois	126,892	119,967	73,447	52,602	55,980	56,141	48,732
Indiana	87,782	82,270	NA	49,344	54,641	57,518	53,064
Iowa	42,880	40,408	32,128	28,159	28,683	28,712	26,520
Kansas	29,896	26,653	17,899	15,377	17,006	18,802	17,364
Kentucky	30,666	31,621	23,659	20,995	21,141	20,796	17,893
Louisiana	123,234	118,430	125,059	126,599	128,940	132,491	129,199
Maine	4,464	4,462	4,542	3,190	NA	NA	3,097
Maryland	30,484	26,111	21,426	17,528	18,330	17,280	14,955
Massachusetts	49,049	40,543	25,511	22,091	28,290	26,319	20,165
Michigan	109,859	96,612	66,608	45,183	47,680	45,758	42,206
Minnesota	55,304	48,332	32,216	24,769	24,525	25,256	22,349
Mississippi	37,564	41,330	37,575	46,063	51,628	51,156	45,582
Missouri	37,354	35,495	20,505	14,240	16,026	15,993	14,713
Montana	9,635	8,165	6,054	4,095	3,917	3,733	3,698
Nebraska	18,785	17,183	13,035	10,407	9,709	11,097	9,442
Nevada	26,329	22,582	21,310	25,469	28,731	30,255	24,533
New Hampshire	4,168	4,521	4,678	3,400	5,227	5,231	4,167
New Jersey	NA	NA	NA	NA	48,037	48,643	39,460
New Mexico	NA	NA	12,311	12,236	13,779	13,806	12,997
New York	145,958	130,890	87,435	72,803	86,732	84,057	NA
North Carolina	56,365	54,622	45,528	42,450	46,830	50,014	41,905
North Dakota	8,128	7,005	6,104	4,470	4,290	4,244	3,961
Ohio	123,712	112,441	76,735	55,430	59,322	58,009	54,287
Oklahoma	55,974	53,117	44,995	52,259	55,786	59,438	53,755
Oregon	29,032	25,074	20,302	20,087	20,776	20,127	12,424
Pennsylvania	125,911	111,299	91,054	80,366	88,137	83,816	73,067
Rhode Island	9,443	7,773	7,895	6,741	7,199	6,851	5,803
South Carolina	28,663	31,952	28,523	30,919	30,102	30,768	26,818
South Dakota	8,540	7,491	6,062	5,404	5,197	5,241	4,756
Tennessee	41,120	NA	26,752	25,595	25,827	25,661	23,842
Texas	326,352	296,756	289,903	315,244	350,915	369,419	317,008
Utah	28,943	22,930	16,620	12,161	13,911	14,257	11,266
Vermont	1,785	1,523	991	636	593	586	617
Virginia	63,228	50,755	38,813	NA	49,660	51,105	NA
Washington	32,922	24,920	23,029	21,811	21,701	22,220	16,636
West Virginia	10,389	9,613	7,302	5,808	5,664	5,512	4,803
Wisconsin	59,991	54,294	39,610	31,039	32,648	32,076	27,067
Wyoming	11,421	9,851	8,119	6,327	6,076	5,538	5,851
Total	2,721,388	2,463,484	2,059,861	1,951,726	2,097,499	2,134,813	1,854,094

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	
	May	April	March	February	January	Total	December
Alabama	58,602	54,593	54,531	46,883	67,575	633,536	58,705
Alaska	4,231	5,165	7,405	7,496	8,135	67,102	7,777
Arizona	NA	NA	NA	NA	NA	308,987	25,781
Arkansas	25,355	28,688	29,316	30,322	NA	306,547	34,479
California	139,102	145,275	192,850	179,123	195,398	2,048,294	209,200
Colorado	25,148	29,704	37,490	47,842	51,378	355,187	47,843
Connecticut	14,915	21,438	27,151	25,234	31,441	232,737	28,386
Delaware	NA	NA	NA	NA	NA	98,913	9,367
District of Columbia	1,084	2,212	3,801	3,548	NA	29,055	5,148
Florida	120,013	112,901	109,649	97,657	110,659	1,376,529	104,113
Georgia	53,633	48,665	63,140	55,695	87,527	689,147	77,578
Hawaii	266	276	273	261	309	3,104	259
Idaho	5,089	6,724	9,648	10,709	11,781	104,810	13,771
Illinois	55,346	97,499	118,702	130,933	165,211	969,718	143,381
Indiana	58,721	69,062	82,594	81,419	NA	730,238	95,968
Iowa	28,156	37,050	40,324	42,377	49,515	378,999	45,445
Kansas	18,851	22,867	24,290	29,161	34,526	240,053	30,096
Kentucky	20,920	24,607	32,219	29,689	46,628	274,656	35,789
Louisiana	128,839	116,872	118,634	116,497	NA	1,426,152	132,127
Maine	2,998	3,501	4,665	5,428	4,888	48,461	5,531
Maryland	NA	NA	NA	NA	35,173	215,283	33,267
Massachusetts	20,665	35,984	51,556	56,708	62,512	441,202	60,043
Michigan	54,126	90,679	112,839	NA	134,291	848,731	124,966
Minnesota	NA	43,816	50,991	59,746	66,494	448,431	59,913
Mississippi	46,696	44,187	42,546	41,234	59,240	511,522	49,854
Missouri	15,980	24,566	32,362	40,619	48,979	253,061	39,768
Montana	4,326	6,221	NA	9,727	9,847	73,367	10,357
Nebraska	11,181	15,858	16,573	19,754	21,860	158,234	18,969
Nevada	20,196	20,387	24,697	24,399	26,963	291,219	27,143
New Hampshire	2,155	3,082	3,565	3,441	5,351	51,997	5,492
New Jersey	NA	NA	NA	NA	NA	703,505	95,136
New Mexico	12,478	12,326	15,822	14,549	17,377	144,797	17,116
New York	70,869	111,185	142,375	139,857	175,515	1,230,272	162,415
North Carolina	37,506	39,805	57,983	45,926	NA	507,118	60,558
North Dakota	NA	6,553	NA	7,642	8,048	66,201	8,187
Ohio	55,592	92,247	115,821	109,312	147,362	900,058	132,665
Oklahoma	55,160	47,925	45,230	53,683	59,499	524,660	55,594
Oregon	10,408	16,963	25,247	NA	25,832	226,396	30,130
Pennsylvania	66,820	95,011	126,654	112,473	142,002	1,025,040	119,724
Rhode Island	5,440	7,517	9,077	8,538	10,315	79,562	9,502
South Carolina	22,337	21,418	NA	20,214	31,718	274,328	26,832
South Dakota	NA	NA	NA	8,641	9,384	74,907	8,717
Tennessee	21,920	29,338	NA	34,873	NA	318,011	42,617
Texas	315,416	274,808	299,947	293,452	NA	3,398,560	311,224
Utah	NA	14,135	21,781	20,716	24,554	189,225	28,155
Vermont	612	1,235	1,511	1,469	1,958	11,922	1,747
Virginia	40,915	39,434	58,482	54,797	NA	567,057	62,562
Washington	15,068	22,452	NA	31,303	33,569	309,587	39,647
West Virginia	NA	8,400	10,702	9,659	13,542	94,497	12,036
Wisconsin	28,977	46,911	57,013	62,515	71,457	480,976	67,642
Wyoming	6,342	8,543	9,793	9,801	10,212	82,336	9,258
Total	1,847,470	2,135,267	2,556,271	2,501,119	3,083,713	24,824,284	2,841,983

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017						
	November	October	September	August	July	June	May
Alabama	52,507	51,120	53,284	59,505	60,613	51,195	49,493
Alaska	7,037	5,747	4,408	4,540	4,327	3,327	3,611
Arizona	19,193	27,065	29,466	35,675	38,540	32,356	24,948
Arkansas	21,990	23,874	22,056	25,514	27,659	24,627	25,359
California	167,614	168,017	165,626	183,216	167,601	147,140	143,129
Colorado	32,413	25,884	19,771	21,291	22,248	19,040	23,360
Connecticut	22,629	15,209	13,453	16,036	16,071	13,297	13,235
Delaware	7,332	7,403	7,509	8,346	8,403	8,226	8,364
District of Columbia	2,408	1,506	1,205	1,206	1,222	1,278	1,622
Florida	98,545	121,395	125,040	141,640	138,404	123,194	124,599
Georgia	57,534	51,820	50,492	60,014	58,267	53,488	50,845
Hawaii	257	249	250	253	244	270	244
Idaho	9,941	8,950	6,498	6,001	6,188	5,120	5,844
Illinois	99,160	61,477	46,494	46,759	49,042	46,656	57,270
Indiana	68,416	52,073	48,404	47,049	48,033	43,858	45,350
Iowa	35,968	28,090	24,688	26,006	25,638	24,013	25,761
Kansas	23,014	16,578	15,283	16,853	18,430	15,666	14,480
Kentucky	26,722	18,529	17,218	18,816	20,641	18,255	18,179
Louisiana	116,532	123,403	118,419	125,642	124,012	118,370	116,680
Maine	4,388	3,422	3,450	3,547	3,824	3,341	3,238
Maryland	22,801	10,808	12,139	10,636	12,342	10,747	11,723
Massachusetts	37,900	24,547	22,926	26,633	26,242	25,133	28,267
Michigan	86,103	55,775	43,045	44,004	44,647	40,497	50,650
Minnesota	45,436	30,511	23,942	25,566	25,432	22,701	25,883
Mississippi	39,515	38,668	41,755	48,523	50,682	42,080	42,884
Missouri	25,416	14,056	13,189	13,132	13,900	12,764	13,817
Montana	8,186	6,371	4,266	3,691	3,465	3,012	3,474
Nebraska	15,090	11,290	8,945	9,294	10,884	8,778	10,291
Nevada	21,494	23,082	22,731	27,051	27,680	24,437	20,450
New Hampshire	4,498	3,048	4,408	4,550	3,942	3,606	3,307
New Jersey	57,581	44,492	38,167	39,526	45,873	43,761	44,096
New Mexico	11,383	10,681	9,823	10,924	12,343	11,255	10,071
New York	110,597	69,247	68,377	75,654	77,970	72,097	72,823
North Carolina	46,758	38,011	36,736	39,646	39,801	35,827	34,837
North Dakota	6,406	5,102	3,466	4,132	4,094	4,021	4,312
Ohio	94,369	57,973	49,278	50,545	49,665	46,100	53,118
Oklahoma	39,415	38,710	40,809	48,168	53,129	43,774	39,046
Oregon	21,657	20,801	16,130	17,619	15,743	10,063	10,610
Pennsylvania	92,549	79,557	70,996	71,103	74,476	64,582	61,436
Rhode Island	7,228	5,117	5,247	5,595	5,810	5,246	5,296
South Carolina	24,073	22,960	21,544	22,667	23,128	20,932	22,433
South Dakota	6,885	5,462	4,873	5,036	5,157	4,622	4,985
Tennessee	28,586	22,009	20,697	21,479	22,182	21,100	18,960
Texas	262,223	272,675	273,151	323,018	336,221	298,771	263,747
Utah	16,769	12,314	9,914	11,811	11,244	10,765	10,643
Vermont	1,257	679	589	561	533	485	679
Virginia	49,634	36,457	43,767	47,691	49,173	46,203	37,565
Washington	30,537	26,383	18,860	20,319	18,381	14,295	17,118
West Virginia	9,256	7,666	6,678	5,900	5,824	5,398	5,408
Wisconsin	48,341	33,934	27,042	28,987	29,148	23,918	27,096
Wyoming	7,329	6,419	5,019	5,033	4,887	4,995	6,172
Total	2,152,873	1,846,618	1,741,521	1,916,404	1,943,403	1,734,683	1,716,805

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2017-2019
(million cubic feet) – continued

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

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

^R Revised data.

^{NA} Not available.

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

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

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

State	2019	2018	2017	2019			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	3.78	NA	3.96	3.59	3.65	3.99	NA
Alaska	8.02	8.17	7.67	8.14	8.25	7.76	7.34
Arizona	3.11	4.33	4.61	3.03	2.97	3.30	NA
Arkansas	3.94	3.95	4.27	4.09	3.83	3.91	4.42
California	3.52	2.93	3.61	3.57	3.71	3.28	NA
Colorado	3.73	3.37	3.85	3.81	3.59	3.79	3.63
Connecticut	4.81	4.68	4.13	4.70	4.70	4.98	5.55
Delaware	4.59	4.73	4.39	4.97	4.54	4.37	NA
District of Columbia	--	--	--	--	--	--	--
Florida	7.40	6.35	5.93	7.42	7.95	7.05	NA
Georgia	4.10	3.80	4.30	3.83	4.00	4.35	4.03
Hawaii	16.02	18.95	16.29	18.51	15.60	13.97	19.63
Idaho	NA	2.79	3.19	3.15	NA	2.43	NA
Illinois	3.58	3.57	3.88	3.96	3.24	3.58	3.69
Indiana	3.66	3.81	3.80	3.83	3.47	3.69	3.87
Iowa	3.95	3.96	4.36	4.13	3.74	4.00	4.11
Kansas	3.85	3.74	4.16	3.98	3.76	3.87	4.21
Kentucky	NA	3.89	4.08	3.80	NA	4.03	3.88
Louisiana	NA	4.16	4.07	NA	NA	4.58	4.00
Maine	8.09	8.80	6.81	7.41	8.15	8.55	8.00
Maryland	4.51	4.37	4.38	4.57	4.63	4.39	5.02
Massachusetts	4.92	6.15	4.41	5.05	4.79	4.93	NA
Michigan	3.45	3.46	3.69	3.41	3.37	3.55	3.48
Minnesota	NA	3.77	4.13	4.52	NA	4.45	NA
Mississippi	NA	4.14	4.47	3.98	NA	4.55	4.24
Missouri	3.85	3.77	4.24	3.92	3.71	3.92	4.40
Montana	3.10	NA	3.51	3.27	2.89	3.21	NA
Nebraska	4.05	3.94	4.30	4.17	3.70	4.29	4.08
Nevada	NA	3.56	4.33	4.30	NA	4.25	3.99
New Hampshire	6.73	7.96	5.66	5.37	6.36	7.99	NA
New Jersey	4.85	4.70	4.44	4.79	5.02	4.75	4.63
New Mexico	NA	3.19	3.77	2.62	NA	3.45	3.05
New York	3.89	4.18	3.59	3.62	3.58	4.35	4.71
North Carolina	3.70	3.49	3.67	3.75	3.55	3.76	4.13
North Dakota	3.87	NA	4.36	3.98	3.53	4.13	NA
Ohio	3.84	NA	3.95	3.67	3.84	3.99	NA
Oklahoma	3.78	3.64	4.35	3.91	3.58	3.87	NA
Oregon	3.62	3.51	3.64	3.74	3.83	3.27	3.90
Pennsylvania	4.39	4.01	4.03	4.71	4.13	4.39	NA
Rhode Island	2.59	2.29	2.17	2.60	2.59	2.58	2.37
South Carolina	4.28	4.13	4.29	4.17	4.19	4.45	NA
South Dakota	3.89	NA	4.20	4.10	3.51	4.12	NA
Tennessee	3.73	4.04	4.12	3.72	3.52	3.87	4.11
Texas	NA	5.38	5.14	NA	4.31	4.75	NA
Utah	5.53	5.90	5.67	5.34	5.70	5.53	NA
Vermont	4.35	5.08	5.44	4.27	4.18	4.56	4.64
Virginia	4.21	NA	4.01	4.18	4.22	4.23	NA
Washington	NA	3.17	3.48	NA	NA	3.41	NA
West Virginia	3.67	3.52	3.54	3.71	3.57	3.71	NA
Wisconsin	4.12	4.07	4.24	4.17	3.99	4.20	4.19
Wyoming	3.81	3.90	4.16	3.80	3.62	4.02	3.74
Total	4.02	4.03	4.08	4.06	3.89	4.09	4.21

See footnotes at end of table.

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

State	2018						
	December	November	October	September	August	July	June
Alabama	4.80	3.87	4.06	3.71	3.70	3.81	3.93
Alaska	6.91	6.91	6.73	6.58	6.34	6.39	6.43
Arizona	3.02	3.39	2.87	2.67	NA	3.04	3.23
Arkansas	4.80	4.46	4.77	5.67	5.81	6.20	5.85
California	NA	3.31	2.73	3.24	NA	NA	2.67
Colorado	4.05	3.97	3.45	4.38	4.40	4.09	4.04
Connecticut	5.88	5.30	5.92	7.99	7.94	7.92	7.94
Delaware	5.03	5.44	NA	10.97	10.35	10.70	9.50
District of Columbia	--	--	--	--	--	--	--
Florida	7.29	7.79	7.17	7.11	7.00	7.21	6.48
Georgia	5.35	4.13	4.03	3.91	3.74	3.99	3.87
Hawaii	16.51	18.18	21.26	20.04	18.48	20.03	20.87
Idaho	2.93	2.70	2.17	2.49	2.15	2.07	NA
Illinois	3.89	4.06	3.70	3.58	4.27	3.43	3.46
Indiana	3.98	3.96	3.83	4.21	4.83	4.67	4.57
Iowa	4.83	4.55	3.92	4.34	4.47	3.77	4.00
Kansas	4.69	3.94	4.45	7.03	5.44	5.05	5.60
Kentucky	4.44	3.81	3.74	3.57	3.51	3.48	3.47
Louisiana	4.47	4.33	3.93	3.69	3.50	3.70	3.64
Maine	9.87	8.18	5.09	6.37	7.06	6.92	6.51
Maryland	6.25	4.69	5.52	6.49	6.41	7.16	6.26
Massachusetts	6.35	5.32	5.65	10.28	NA	10.96	9.51
Michigan	4.16	3.50	3.34	3.17	3.12	3.15	3.14
Minnesota	5.02	4.64	3.61	4.10	NA	4.14	4.31
Mississippi	5.13	4.79	4.24	3.69	3.45	3.76	3.84
Missouri	4.91	4.25	4.60	6.60	7.20	7.02	6.61
Montana	3.26	2.75	2.27	NA	3.13	2.70	2.86
Nebraska	4.88	4.41	3.79	4.07	4.53	4.26	4.24
Nevada	5.65	4.70	3.65	3.70	3.01	3.40	3.48
New Hampshire	7.29	6.86	4.93	8.57	9.77	9.35	NA
New Jersey	4.79	4.69	4.55	4.69	4.96	4.12	4.65
New Mexico	3.42	2.82	2.54	2.77	3.25	2.93	3.00
New York	4.55	4.71	5.04	8.30	8.49	8.04	7.08
North Carolina	4.78	4.33	4.59	5.65	5.75	6.07	5.78
North Dakota	4.91	4.15	3.39	NA	NA	3.20	NA
Ohio	NA	NA	NA	3.34	2.86	NA	NA
Oklahoma	NA	3.53	4.01	4.27	4.41	5.02	4.52
Oregon	3.44	4.17	3.94	5.01	5.53	5.85	4.74
Pennsylvania	5.14	4.83	4.68	7.17	NA	6.28	5.98
Rhode Island	2.55	2.49	2.46	2.43	2.41	2.39	2.35
South Carolina	5.33	NA	4.30	4.15	4.09	4.13	4.16
South Dakota	4.83	4.20	3.59	NA	4.68	4.09	NA
Tennessee	4.77	4.20	3.93	4.12	3.86	4.13	3.97
Texas	4.61	4.62	4.90	4.96	4.75	4.74	4.71
Utah	5.92	4.53	4.05	3.62	3.29	NA	3.86
Vermont	4.90	4.56	4.18	4.08	4.07	3.97	3.77
Virginia	5.26	4.69	5.50	6.22	6.37	6.09	5.95
Washington	NA	NA	3.48	3.63	3.36	3.64	3.66
West Virginia	4.10	3.71	4.39	5.36	5.72	NA	5.01
Wisconsin	4.75	4.28	3.99	4.79	4.55	4.41	4.62
Wyoming	4.09	3.81	3.22	3.24	3.61	3.28	3.08
Total	4.75	4.29	4.07	4.70	4.84	4.71	4.46

See footnotes at end of table.

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

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

See footnotes at end of table.

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

State	2017						
	November	October	September	August	July	June	May
Alabama	3.62	3.77	3.67	3.90	4.02	3.96	4.02
Alaska	7.02	6.59	6.29	5.83	5.76	5.69	6.02
Arizona	5.06	3.87	3.93	4.01	4.14	4.14	3.75
Arkansas	4.56	5.40	6.30	6.67	6.72	6.85	5.73
California	3.24	2.95	3.09	3.22	3.47	3.55	3.38
Colorado	3.88	3.96	5.10	4.65	5.09	4.68	3.98
Connecticut	3.71	4.22	5.66	5.79	6.08	6.58	5.85
Delaware	5.19	8.31	10.40	10.64	10.42	9.94	7.65
District of Columbia	--	--	--	--	--	--	--
Florida	6.41	6.32	5.62	5.09	5.77	5.16	5.24
Georgia	3.80	4.08	4.23	4.04	4.20	4.28	4.18
Hawaii	18.23	16.69	17.18	17.63	16.17	15.06	16.46
Idaho	2.90	2.24	2.27	2.41	2.47	3.29	3.04
Illinois	3.55	3.46	4.20	4.13	3.76	3.63	3.48
Indiana	3.71	3.68	4.34	4.74	4.97	4.87	4.28
Iowa	3.90	3.71	3.83	3.87	4.08	4.52	4.10
Kansas	4.24	5.08	6.26	5.72	5.39	6.61	5.86
Kentucky	3.84	3.66	3.70	3.41	3.59	3.73	4.05
Louisiana	3.92	3.91	3.84	3.85	3.99	4.37	4.08
Maine	4.99	6.17	5.66	6.09	7.67	5.46	5.00
Maryland	4.27	5.36	6.79	6.83	6.96	7.19	6.25
Massachusetts	4.60	6.28	8.86	9.24	9.61	9.04	6.38
Michigan	3.47	3.35	3.10	3.09	3.10	3.35	3.43
Minnesota	3.72	3.46	3.17	4.33	4.46	4.49	3.80
Mississippi	4.55	4.45	4.49	4.62	4.66	4.78	4.59
Missouri	4.11	5.02	7.09	7.68	7.26	7.15	5.86
Montana	3.22	2.47	2.35	3.41	2.90	3.30	3.61
Nebraska	3.95	3.71	4.63	4.45	4.17	5.07	4.20
Nevada	4.18	3.73	4.01	4.39	4.50	4.52	4.13
New Hampshire	4.82	5.29	8.23	7.41	8.42	5.39	5.50
New Jersey	3.93	3.60	3.71	4.37	4.61	4.73	4.56
New Mexico	3.41	3.22	3.41	3.60	3.59	3.61	3.43
New York	4.17	5.11	7.08	7.11	7.37	7.02	6.00
North Carolina	3.54	4.42	5.09	5.41	5.83	5.87	5.28
North Dakota	4.17	4.23	4.38	4.03	3.92	4.35	3.99
Ohio	3.89	3.57	4.13	3.93	3.89	3.82	3.80
Oklahoma	4.51	4.84	6.16	5.95	5.87	5.90	5.44
Oregon	3.76	3.75	4.69	5.97	5.71	5.08	4.56
Pennsylvania	4.00	4.47	6.06	6.36	6.69	6.67	5.36
Rhode Island	2.20	2.21	2.29	2.34	2.37	2.41	2.36
South Carolina	3.88	3.93	4.13	3.99	4.14	4.25	4.27
South Dakota	4.11	3.80	4.42	4.36	4.40	4.60	3.77
Tennessee	3.98	4.00	4.20	4.17	4.49	4.28	4.07
Texas	5.32	4.96	4.47	4.09	4.19	4.28	4.59
Utah	5.78	4.95	3.85	3.70	3.69	4.90	4.79
Vermont	4.70	4.56	4.48	4.44	4.31	4.74	4.69
Virginia	4.00	4.99	6.26	7.41	7.24	6.71	5.68
Washington	3.32	2.79	3.93	4.78	4.21	4.18	4.26
West Virginia	3.61	3.88	4.89	5.87	5.58	6.37	4.87
Wisconsin	4.25	4.21	4.59	4.55	4.76	5.24	4.24
Wyoming	4.01	3.82	3.45	3.82	3.98	3.79	3.24
Total	3.97	4.03	4.52	4.61	4.73	4.82	4.42

See footnotes at end of table.

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

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

-- 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 3-Month YTD	2018 3-Month YTD	2017 3-Month YTD	2019			2018
				March	February	January	Total
Alabama	13.95	14.00	14.16	14.35	13.85	13.78	15.15
Alaska	10.26	10.66	9.54	10.39	10.29	10.14	11.00
Arizona	11.76	13.97	13.30	12.01	11.65	11.66	NA
Arkansas	10.17	10.78	11.36	9.94	9.84	10.72	11.65
California	13.64	12.15	12.79	13.64	13.43	13.87	NA
Colorado	7.42	6.79	7.29	7.60	7.52	7.17	7.67
Connecticut	13.40	12.43	12.61	13.72	13.35	13.17	NA
Delaware	10.38	NA	10.98	10.60	10.07	10.52	NA
District of Columbia	11.78	10.92	11.15	11.42	11.70	12.23	11.78
Florida	18.89	18.79	18.44	20.73	18.31	18.16	21.56
Georgia	12.29	11.62	12.89	12.46	12.59	11.98	14.84
Hawaii	41.71	41.31	37.71	43.69	42.74	38.92	43.48
Idaho	6.00	NA	7.50	6.09	5.95	5.99	NA
Illinois	7.04	6.90	7.91	7.10	7.19	6.86	8.16
Indiana	7.38	7.41	7.97	7.54	7.36	7.27	NA
Iowa	7.51	7.72	7.75	7.79	7.31	7.47	8.93
Kansas	8.12	9.07	9.26	8.15	7.90	8.31	NA
Kentucky	8.87	9.04	10.03	8.63	9.18	8.80	NA
Louisiana	9.59	NA	11.76	9.94	8.74	10.18	NA
Maine	16.02	NA	13.49	15.76	16.41	15.84	NA
Maryland	11.25	10.64	11.48	11.45	11.18	11.15	11.75
Massachusetts	14.83	NA	12.98	14.77	14.67	15.06	NA
Michigan	7.47	7.57	7.76	7.66	7.51	7.31	8.19
Minnesota	7.92	NA	7.93	7.63	7.92	8.12	NA
Mississippi	9.38	8.72	10.37	9.33	9.25	9.55	10.22
Missouri	8.58	8.58	9.11	8.55	8.42	8.77	10.26
Montana	6.54	NA	7.08	6.44	6.52	6.68	NA
Nebraska	7.38	7.31	7.68	6.95	7.14	8.15	8.52
Nevada	7.49	8.17	7.20	7.87	7.43	7.26	9.24
New Hampshire	15.45	14.10	13.22	14.66	15.51	16.16	15.35
New Jersey	9.30	8.77	8.39	9.38	9.34	9.21	9.11
New Mexico	6.64	7.13	8.02	7.18	6.43	6.48	NA
New York	11.53	10.81	10.55	10.88	11.47	12.24	12.38
North Carolina	11.48	10.67	12.25	10.49	12.53	11.42	NA
North Dakota	5.98	5.95	6.34	5.80	5.85	6.32	7.20
Ohio	7.36	7.04	7.62	7.44	7.25	7.38	9.14
Oklahoma	6.75	7.23	8.30	7.03	6.96	6.28	9.22
Oregon	9.04	10.19	9.75	9.15	8.46	9.60	10.81
Pennsylvania	10.63	10.38	10.09	10.96	10.54	10.43	NA
Rhode Island	14.58	13.67	12.69	14.57	14.48	14.70	NA
South Carolina	11.18	NA	13.39	11.52	11.47	10.76	NA
South Dakota	6.79	NA	7.31	6.61	6.73	7.01	NA
Tennessee	8.27	8.41	9.05	8.05	8.38	8.34	NA
Texas	8.23	9.57	10.47	8.25	8.27	8.19	NA
Utah	7.62	NA	8.72	7.57	7.72	7.58	NA
Vermont	11.91	12.32	12.60	11.97	11.77	12.01	13.41
Virginia	11.22	10.32	10.67	11.47	11.45	10.81	11.67
Washington	8.64	9.91	9.97	8.94	8.34	8.75	10.28
West Virginia	9.02	9.13	8.34	9.17	9.00	8.91	NA
Wisconsin	7.23	7.45	7.73	7.33	7.14	7.23	8.05
Wyoming	7.13	7.75	7.95	7.01	7.25	7.13	8.65
Total	9.46	9.38	9.69	9.48	9.47	9.43	10.52

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						
	December	November	October	September	August	July	June
Alabama	13.72	15.47	21.79	22.08	21.90	21.93	21.00
Alaska	10.18	10.39	11.02	12.23	13.06	13.77	12.73
Arizona	12.28	14.16	18.44	20.97	NA	22.69	21.27
Arkansas	9.93	10.21	16.74	20.97	21.64	21.08	19.74
California	13.08	11.93	12.16	12.30	NA	12.36	12.14
Colorado	6.25	6.65	7.93	13.17	14.62	17.23	14.43
Connecticut	13.45	13.18	16.50	22.39	23.72	22.33	19.93
Delaware	10.84	12.89	20.85	NA	24.29	23.32	20.31
District of Columbia	11.25	12.09	16.83	18.47	19.11	18.51	14.51
Florida	19.63	23.82	27.03	26.09	27.70	26.56	24.53
Georgia	11.68	12.27	23.01	29.61	29.63	27.63	27.65
Hawaii	42.94	43.42	48.05	47.36	43.50	45.44	41.62
Idaho	5.91	6.10	6.99	9.31	10.33	10.35	9.55
Illinois	7.30	6.92	9.84	17.47	19.09	18.98	15.17
Indiana	8.16	7.77	10.65	NA	19.42	20.19	18.83
Iowa	8.37	8.72	12.29	18.67	18.83	19.70	15.09
Kansas	NA	7.73	12.32	18.83	22.58	21.99	18.46
Kentucky	9.07	9.08	13.51	NA	24.87	25.01	24.49
Louisiana	9.85	11.76	16.90	16.62	17.41	16.97	15.97
Maine	16.80	14.52	15.73	23.71	24.72	25.84	20.22
Maryland	11.78	11.13	14.17	20.80	21.01	19.57	18.38
Massachusetts	15.16	13.40	13.28	16.02	16.56	15.82	14.57
Michigan	7.78	7.43	8.25	12.34	13.39	13.52	13.49
Minnesota	8.72	7.88	8.85	12.31	14.97	15.40	12.97
Mississippi	9.52	10.38	16.41	16.67	17.72	17.53	16.68
Missouri	9.16	9.76	16.75	23.40	24.89	24.11	22.21
Montana	6.72	6.97	7.76	10.50	11.60	10.20	9.11
Nebraska	8.23	8.67	11.39	17.45	17.79	15.56	15.72
Nevada	7.46	8.49	11.01	13.47	14.46	13.86	12.72
New Hampshire	15.45	14.83	18.70	22.78	22.73	21.07	17.88
New Jersey	9.14	9.51	9.91	12.05	12.66	12.11	11.30
New Mexico	7.65	NA	10.65	13.45	13.09	12.79	11.23
New York	11.66	12.18	17.16	20.16	20.83	20.11	19.32
North Carolina	11.03	10.82	17.24	NA	NA	NA	NA
North Dakota	6.48	6.59	8.21	17.48	21.42	20.79	15.45
Ohio	8.00	8.27	12.62	25.54	27.80	26.49	25.45
Oklahoma	6.28	9.24	19.57	25.14	26.63	25.69	22.84
Oregon	9.83	9.79	11.33	14.07	16.88	15.10	14.21
Pennsylvania	NA	10.32	13.23	19.34	20.44	19.76	17.96
Rhode Island	14.87	16.25	20.36	NA	NA	27.60	20.69
South Carolina	10.89	10.59	20.65	27.98	26.56	29.36	NA
South Dakota	7.31	7.92	8.88	15.04	15.86	14.73	11.80
Tennessee	8.25	8.77	14.77	18.96	NA	19.68	18.42
Texas	8.69	10.75	16.96	22.08	NA	21.64	20.20
Utah	7.58	7.50	8.67	10.23	10.44	10.24	10.26
Vermont	12.24	13.27	16.70	21.78	23.26	21.61	18.72
Virginia	11.33	11.89	15.93	19.64	20.61	20.51	18.27
Washington	8.73	9.10	10.60	13.27	15.81	14.98	13.36
West Virginia	8.96	9.22	10.96	17.79	18.80	18.19	17.75
Wisconsin	8.25	7.53	7.89	12.55	14.53	14.06	12.39
Wyoming	7.04	7.98	10.49	16.79	17.45	16.08	13.01
Total	9.63	9.43	12.26	17.31	18.63	17.92	16.51

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	
	May	April	March	February	January	Total	December
Alabama	17.27	15.07	15.29	14.15	13.38	16.11	14.72
Alaska	11.85	11.29	10.77	10.62	10.59	10.52	10.66
Arizona	19.20	16.78	14.22	13.97	13.76	15.78	14.43
Arkansas	14.02	11.47	12.06	10.82	10.08	12.97	11.81
California	12.42	11.60	12.26	12.09	12.11	12.49	11.76
Colorado	10.47	7.39	7.31	6.61	6.60	8.08	6.84
Connecticut	NA	13.17	12.75	12.69	12.02	13.95	11.94
Delaware	14.91	12.22	11.64	11.84	NA	12.84	12.44
District of Columbia	12.42	10.79	11.32	11.32	10.31	12.53	10.47
Florida	23.12	20.48	20.07	18.77	18.08	21.15	19.69
Georgia	21.53	14.10	13.01	12.42	10.55	16.93	11.23
Hawaii	44.49	42.51	42.16	42.05	39.90	38.88	39.57
Idaho	9.17	7.70	7.08	NA	7.33	7.65	6.82
Illinois	12.61	7.57	7.25	6.91	6.66	8.83	6.81
Indiana	15.37	8.06	7.55	7.99	6.90	8.94	6.56
Iowa	10.94	7.89	8.11	7.84	7.35	9.30	8.52
Kansas	15.31	11.90	10.05	8.90	8.70	10.95	9.02
Kentucky	18.47	9.65	9.21	9.68	8.53	11.62	9.03
Louisiana	13.37	12.33	NA	9.92	8.72	13.04	10.76
Maine	17.01	15.58	NA	16.46	14.65	14.61	13.59
Maryland	14.33	10.31	9.79	11.85	10.40	12.97	11.46
Massachusetts	16.69	17.69	NA	16.21	14.22	13.32	13.78
Michigan	11.94	7.93	7.60	7.74	7.41	8.38	7.30
Minnesota	NA	7.75	NA	8.72	7.84	8.47	7.91
Mississippi	12.91	9.99	10.78	9.08	7.68	11.83	9.72
Missouri	13.57	9.69	9.42	8.56	8.11	11.78	9.87
Montana	7.71	7.11	NA	6.95	7.00	7.62	7.42
Nebraska	10.00	7.71	7.72	7.42	6.94	9.01	7.91
Nevada	11.55	9.92	8.24	8.15	8.12	8.82	8.26
New Hampshire	16.60	15.68	15.51	13.93	13.28	14.55	14.36
New Jersey	9.26	7.74	8.76	8.63	8.87	9.14	9.53
New Mexico	9.32	7.94	7.28	7.06	7.08	9.22	8.05
New York	14.20	11.29	12.10	11.23	9.51	12.04	10.52
North Carolina	20.40	13.12	10.40	13.44	9.72	13.29	10.70
North Dakota	8.71	6.49	6.09	5.95	5.85	7.64	6.05
Ohio	14.97	8.10	7.30	7.61	6.45	9.72	7.02
Oklahoma	12.34	9.00	7.97	7.37	6.72	11.40	8.65
Oregon	13.66	11.10	9.85	9.81	10.85	10.59	9.77
Pennsylvania	14.14	10.80	10.45	10.86	10.02	11.40	10.38
Rhode Island	17.80	16.34	14.83	13.45	13.13	14.02	14.01
South Carolina	NA	13.49	10.57	15.91	NA	14.57	11.48
South Dakota	8.05	6.98	NA	6.89	6.86	8.18	7.55
Tennessee	11.80	9.10	9.03	8.74	7.89	10.31	8.66
Texas	16.22	12.92	11.17	9.61	8.84	13.61	11.91
Utah	9.44	NA	NA	10.08	9.40	9.05	9.76
Vermont	14.02	12.31	12.93	11.80	12.37	14.12	13.22
Virginia	14.22	10.95	9.38	11.63	10.04	12.34	10.54
Washington	12.99	10.34	9.93	9.62	10.18	10.62	9.66
West Virginia	NA	9.63	9.27	9.27	8.94	9.43	9.00
Wisconsin	10.22	6.93	7.33	7.65	7.38	8.40	7.51
Wyoming	9.55	8.45	7.82	7.80	7.65	9.01	7.97
Total	13.64	10.04	9.78	9.64	8.91	10.91	9.29

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						
	November	October	September	August	July	June	May
Alabama	16.97	22.17	22.63	22.97	22.15	21.14	20.57
Alaska	10.65	11.17	12.13	13.39	13.72	12.79	11.00
Arizona	17.54	20.10	22.25	23.41	22.74	20.48	18.19
Arkansas	12.80	19.52	20.36	21.39	20.16	18.25	15.66
California	11.41	12.10	12.28	12.53	12.55	13.14	12.96
Colorado	7.39	8.44	12.16	13.78	14.70	12.67	9.17
Connecticut	13.42	19.83	21.74	22.65	22.04	18.83	16.62
Delaware	14.34	22.06	22.02	24.65	22.84	18.85	16.02
District of Columbia	13.14	18.88	19.33	21.24	18.15	16.92	16.24
Florida	22.42	24.92	24.47	26.57	25.36	24.01	22.19
Georgia	14.39	22.07	31.00	32.32	32.42	29.52	27.26
Hawaii	39.91	39.77	39.98	40.28	39.99	37.63	39.21
Idaho	7.15	7.43	9.46	10.87	11.26	10.46	8.32
Illinois	7.47	10.49	16.81	17.86	16.90	15.32	11.11
Indiana	7.77	10.47	17.64	20.65	20.06	19.15	11.89
Iowa	9.68	13.37	18.63	17.36	17.65	14.96	10.83
Kansas	8.98	14.20	21.05	22.57	21.69	19.45	18.15
Kentucky	10.65	14.80	22.54	24.81	24.49	23.98	18.07
Louisiana	13.25	16.52	16.49	17.30	16.44	15.43	14.89
Maine	14.14	18.92	23.14	24.48	23.45	17.86	14.97
Maryland	12.12	18.42	20.14	21.61	20.23	18.91	16.53
Massachusetts	12.74	12.26	15.45	15.95	15.46	13.48	13.63
Michigan	7.66	9.50	12.19	13.79	14.46	13.24	9.89
Minnesota	7.73	8.93	11.95	13.40	13.36	12.48	9.69
Mississippi	11.40	16.62	18.00	18.07	17.37	16.11	15.02
Missouri	12.26	22.34	25.33	27.73	26.50	21.51	15.45
Montana	7.47	8.21	10.53	11.64	10.99	9.59	8.08
Nebraska	8.69	14.15	17.19	17.53	16.79	14.15	10.36
Nevada	9.97	11.06	12.81	14.10	13.23	11.62	10.63
New Hampshire	16.92	22.75	24.80	25.25	22.46	16.35	14.31
New Jersey	10.00	11.24	11.55	12.08	11.86	10.28	9.66
New Mexico	9.02	12.87	14.89	15.78	15.10	12.74	10.44
New York	13.07	17.16	18.12	19.05	19.13	16.28	14.45
North Carolina	11.93	19.66	22.88	23.14	22.49	23.15	19.75
North Dakota	6.47	9.09	15.60	20.47	21.82	19.59	13.01
Ohio	8.78	15.19	23.38	27.28	26.34	23.63	14.49
Oklahoma	11.14	24.54	26.70	29.06	25.92	21.84	15.91
Oregon	10.43	11.18	14.68	16.69	15.42	14.30	12.23
Pennsylvania	11.33	16.27	17.48	20.04	19.34	16.79	13.12
Rhode Island	15.34	19.30	19.93	20.19	19.15	16.38	15.11
South Carolina	12.83	19.35	25.03	26.44	24.68	24.33	21.98
South Dakota	7.66	11.01	14.40	14.62	14.52	12.01	9.06
Tennessee	10.32	16.00	17.18	19.34	18.74	16.89	14.15
Texas	14.66	20.64	21.76	23.39	20.93	18.54	17.09
Utah	9.14	8.22	10.38	11.21	10.88	9.56	8.35
Vermont	15.43	19.84	21.13	22.39	21.62	18.03	15.03
Virginia	11.89	20.00	20.71	22.04	20.79	18.59	17.62
Washington	10.22	10.92	13.81	16.05	15.38	14.64	12.02
West Virginia	9.41	11.26	14.16	17.51	18.81	14.75	11.56
Wisconsin	7.87	9.12	13.59	14.31	15.03	12.99	8.98
Wyoming	8.45	9.55	15.05	17.86	17.26	12.41	10.07
Total	10.15	13.36	16.92	18.22	17.86	16.06	13.26

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

^R Revised data.

^{NA} Not available.

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

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

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

State	2019	2018	2017	2019			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	11.44	11.72	11.32	11.51	11.43	11.39	11.92
Alaska	NA	9.86	9.16	NA	9.20	9.36	9.97
Arizona	7.34	9.17	8.49	7.27	7.38	7.36	NA
Arkansas	7.70	8.03	7.93	7.60	7.62	7.88	8.06
California	10.24	8.99	9.48	10.48	9.88	10.39	NA
Colorado	6.96	6.37	6.80	7.10	7.04	6.76	NA
Connecticut	9.30	8.21	8.79	9.44	9.35	9.11	9.20
Delaware	NA	NA	9.59	NA	9.17	9.09	NA
District of Columbia	11.21	NA	10.37	11.02	11.14	11.52	NA
Florida	NA	11.67	10.84	11.50	11.58	NA	NA
Georgia	8.47	7.80	8.58	7.77	7.91	9.33	8.07
Hawaii	28.98	30.34	26.91	30.95	29.57	26.65	31.16
Idaho	NA	NA	6.56	5.29	NA	5.31	NA
Illinois	6.46	6.33	7.20	6.38	6.64	6.36	7.25
Indiana	6.46	6.77	7.20	6.46	6.44	6.47	NA
Iowa	6.21	NA	6.33	6.30	5.96	6.37	NA
Kansas	7.38	8.29	8.65	7.23	7.16	7.74	8.71
Kentucky	7.72	7.74	8.28	7.55	7.88	7.71	8.39
Louisiana	8.50	NA	9.37	8.24	8.02	9.16	NA
Maine	13.69	NA	11.25	13.29	13.95	13.79	NA
Maryland	9.54	9.02	9.56	9.38	10.36	9.09	NA
Massachusetts	12.19	NA	10.09	12.21	12.01	12.37	NA
Michigan	6.54	6.61	6.76	6.62	6.55	6.46	NA
Minnesota	7.05	NA	6.83	6.62	7.19	7.25	NA
Mississippi	8.82	NA	8.96	8.46	8.77	9.13	NA
Missouri	7.14	7.36	7.56	7.12	6.97	7.35	7.85
Montana	6.42	NA	7.00	6.34	6.37	6.57	NA
Nebraska	6.43	6.34	6.39	5.87	6.36	7.18	6.39
Nevada	5.32	6.22	5.08	5.36	5.24	5.38	6.34
New Hampshire	12.46	11.94	11.19	11.77	12.56	13.03	12.72
New Jersey	9.34	9.15	9.28	9.00	9.14	9.85	NA
New Mexico	5.14	5.65	6.30	5.27	5.04	5.16	NA
New York	NA	7.65	7.16	7.52	7.94	NA	7.39
North Carolina	8.70	7.53	8.90	7.69	9.53	8.83	NA
North Dakota	5.77	5.78	5.89	5.46	5.70	6.15	NA
Ohio	5.86	5.54	6.00	5.67	5.78	6.09	5.99
Oklahoma	5.73	6.06	6.64	6.02	5.90	5.28	7.07
Oregon	7.66	8.51	8.40	7.70	7.39	7.93	8.63
Pennsylvania	9.09	9.03	8.58	9.37	9.22	8.76	9.42
Rhode Island	12.21	11.41	10.29	12.21	12.13	12.30	12.98
South Carolina	8.81	NA	9.70	8.33	8.97	9.05	NA
South Dakota	5.50	NA	5.96	5.20	5.45	5.83	NA
Tennessee	7.87	8.15	8.45	7.53	8.14	7.90	8.35
Texas	5.97	7.04	7.38	5.83	6.01	6.07	7.21
Utah	6.44	8.08	7.46	6.42	6.50	6.41	7.37
Vermont	6.74	7.44	7.69	6.57	6.65	6.98	6.65
Virginia	8.37	7.82	7.65	8.10	8.59	8.39	8.14
Washington	6.69	8.11	8.14	6.74	6.61	6.73	NA
West Virginia	7.64	7.75	7.02	7.69	7.69	7.56	8.09
Wisconsin	6.41	6.49	6.69	6.33	6.40	6.49	6.42
Wyoming	6.00	6.72	6.80	5.86	6.10	6.05	6.62
Total	7.62	7.64	7.71	7.47	7.61	7.75	7.83

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						
	December	November	October	September	August	July	June
Alabama	11.43	11.73	12.34	12.42	12.50	12.52	12.43
Alaska	9.30	9.58	9.87	10.60	10.84	11.43	10.84
Arizona	7.65	8.00	8.52	NA	NA	9.14	9.38
Arkansas	7.57	7.60	7.88	8.65	9.08	8.98	9.07
California	10.07	NA	7.63	8.40	NA	8.35	7.76
Colorado	5.98	6.20	6.74	9.20	NA	10.72	8.95
Connecticut	9.22	8.84	10.16	11.04	10.73	11.07	11.37
Delaware	8.61	NA	13.16	NA	13.66	NA	NA
District of Columbia	10.87	11.14	10.61	10.79	10.62	10.65	9.20
Florida	11.19	11.49	11.25	12.02	NA	11.54	11.69
Georgia	7.36	8.04	8.56	9.03	8.76	9.31	9.00
Hawaii	28.99	30.65	33.41	32.51	29.91	31.69	30.90
Idaho	5.27	5.35	5.44	6.39	6.64	6.86	NA
Illinois	6.61	6.42	8.18	12.72	13.52	14.15	12.29
Indiana	7.14	6.90	7.24	NA	10.68	11.68	10.71
Iowa	7.17	6.91	6.88	NA	8.76	8.98	7.92
Kansas	7.59	6.94	9.01	12.50	12.97	13.32	12.31
Kentucky	7.79	7.69	9.38	10.67	12.36	12.70	12.85
Louisiana	8.76	8.50	8.68	8.05	8.15	8.39	8.50
Maine	14.40	12.06	11.06	12.61	13.57	13.50	12.13
Maryland	9.61	9.28	NA	NA	10.63	9.90	11.28
Massachusetts	12.59	10.48	9.23	10.53	10.65	10.31	9.99
Michigan	6.81	6.50	7.08	8.87	9.10	NA	9.12
Minnesota	NA	6.65	6.02	7.54	8.46	8.51	7.94
Mississippi	9.11	8.79	8.75	7.77	8.19	8.45	8.23
Missouri	7.49	8.02	9.54	10.00	10.33	10.30	9.96
Montana	6.53	6.68	7.27	9.11	9.31	9.03	8.49
Nebraska	7.03	6.48	6.41	6.86	6.82	6.51	6.40
Nevada	5.53	5.74	6.42	7.02	7.20	7.22	7.19
New Hampshire	12.77	11.71	13.97	16.90	16.76	16.42	13.77
New Jersey	9.91	9.27	8.45	9.33	9.37	NA	9.12
New Mexico	6.10	NA	6.07	6.18	5.95	6.71	5.12
New York	7.79	7.05	6.93	6.74	6.86	7.05	7.21
North Carolina	8.60	8.38	8.35	NA	NA	10.02	NA
North Dakota	6.17	5.77	5.65	7.05	7.37	7.40	6.64
Ohio	6.13	5.85	6.40	7.54	7.77	7.97	7.24
Oklahoma	5.19	7.30	12.40	14.15	13.82	14.52	11.82
Oregon	8.04	8.07	8.67	9.39	10.11	9.72	9.46
Pennsylvania	8.94	8.77	9.97	10.94	11.96	12.33	11.80
Rhode Island	12.42	14.07	17.84	19.23	18.98	18.44	16.76
South Carolina	NA	8.52	9.15	9.12	8.87	9.35	9.06
South Dakota	6.07	6.18	6.02	7.51	7.84	7.60	6.55
Tennessee	7.98	7.77	8.89	9.73	10.18	9.98	9.48
Texas	6.33	6.50	7.46	8.05	8.27	8.21	7.93
Utah	6.38	6.08	6.27	6.61	6.70	6.62	6.95
Vermont	7.27	6.55	5.71	5.52	5.34	5.56	5.27
Virginia	8.43	8.13	8.29	8.98	8.58	8.90	8.68
Washington	6.81	6.90	7.82	8.53	NA	9.31	NA
West Virginia	7.63	7.73	8.55	10.20	9.97	10.36	10.44
Wisconsin	7.16	6.43	5.67	6.43	6.87	6.54	5.82
Wyoming	5.75	6.09	6.75	7.32	7.18	6.99	7.04
Total	7.77	7.35	7.71	8.64	8.74	8.93	8.65

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	
	May	April	March	February	January	Total	December
Alabama	12.18	12.33	11.93	11.87	11.47	12.03	11.83
Alaska	10.51	10.16	9.89	9.88	9.82	9.79	9.89
Arizona	9.44	9.23	9.16	9.13	9.20	8.97	9.17
Arkansas	8.45	7.91	8.44	8.03	7.80	8.34	8.33
California	7.76	7.99	8.91	9.16	8.93	8.76	8.64
Colorado	8.34	6.42	6.74	6.20	6.26	7.17	6.62
Connecticut	11.38	8.58	8.44	8.37	7.91	9.30	7.96
Delaware	11.25	10.22	NA	10.03	NA	10.37	10.35
District of Columbia	10.16	10.24	NA	11.10	9.87	10.87	10.10
Florida	11.52	11.44	11.34	11.88	11.74	10.97	10.90
Georgia	8.54	8.46	7.90	8.00	7.64	8.78	8.13
Hawaii	33.05	31.93	30.74	32.37	28.30	27.41	28.25
Idaho	6.89	6.47	6.18	NA	6.52	6.62	6.22
Illinois	10.72	6.78	6.54	6.34	6.18	7.78	6.16
Indiana	11.07	7.01	6.77	7.34	6.36	7.52	5.93
Iowa	7.06	6.16	6.48	NA	6.21	6.87	6.96
Kansas	11.81	9.81	9.15	8.19	7.95	9.36	8.24
Kentucky	10.86	8.03	8.06	7.99	7.38	9.06	7.75
Louisiana	8.37	8.56	NA	8.89	8.47	8.99	9.00
Maine	12.12	12.74	12.94	NA	12.68	11.33	11.35
Maryland	10.32	8.97	8.32	10.11	8.82	10.27	9.39
Massachusetts	13.29	14.99	NA	12.94	11.60	10.16	10.86
Michigan	8.18	6.70	6.61	6.77	6.48	7.02	6.40
Minnesota	NA	6.26	NA	7.56	6.82	6.80	6.53
Mississippi	8.55	8.07	NA	8.42	7.61	8.82	8.58
Missouri	7.87	7.72	7.66	7.21	7.31	8.44	8.16
Montana	7.43	6.94	NA	6.81	6.95	7.42	7.39
Nebraska	5.66	5.87	6.44	6.52	6.09	6.37	6.19
Nevada	6.91	6.59	6.23	6.23	6.21	5.71	6.06
New Hampshire	13.76	13.50	13.25	11.84	11.15	11.71	11.83
New Jersey	8.34	7.33	9.22	9.42	8.92	9.14	9.27
New Mexico	5.04	5.46	5.64	5.59	5.71	6.59	6.19
New York	7.41	7.23	7.90	7.89	7.25	6.87	6.93
North Carolina	9.44	8.49	7.32	8.10	7.40	8.92	8.11
North Dakota	NA	5.41	5.59	5.76	5.98	6.00	5.89
Ohio	6.72	5.64	5.53	5.66	5.46	6.11	5.31
Oklahoma	8.52	7.23	6.40	6.17	5.79	8.44	6.89
Oregon	9.38	8.90	8.29	8.14	9.03	8.74	8.28
Pennsylvania	10.91	9.68	8.96	9.47	8.80	9.16	8.74
Rhode Island	14.43	13.64	12.55	11.15	10.88	11.30	11.35
South Carolina	8.67	8.79	8.50	10.25	NA	9.30	9.45
South Dakota	NA	5.46	NA	5.60	5.85	6.26	6.74
Tennessee	8.49	7.89	8.19	8.31	8.01	8.74	8.24
Texas	7.79	7.38	7.35	7.12	6.77	7.71	7.78
Utah	7.16	7.68	7.78	8.47	8.02	7.40	8.26
Vermont	6.01	6.54	6.88	7.48	7.80	7.04	7.19
Virginia	8.62	8.06	7.36	8.79	7.53	7.99	7.57
Washington	8.50	NA	7.94	8.07	8.30	8.30	7.93
West Virginia	9.60	8.00	7.79	7.89	7.63	7.65	7.66
Wisconsin	6.00	5.65	6.22	6.73	6.48	6.60	6.54
Wyoming	6.92	6.95	6.69	6.77	6.68	6.92	6.61
Total	8.46	7.66	7.74	7.82	7.43	7.88	7.42

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						
	November	October	September	August	July	June	May
Alabama	12.18	12.61	12.97	13.08	13.11	12.80	12.73
Alaska	10.00	10.33	11.00	11.50	11.62	11.02	9.75
Arizona	9.44	9.40	9.35	9.50	9.22	9.03	8.96
Arkansas	8.55	8.61	8.68	9.24	9.27	9.16	8.79
California	8.00	7.78	7.95	8.31	8.40	8.74	8.68
Colorado	6.87	7.25	9.22	9.16	9.53	9.01	7.28
Connecticut	8.71	10.64	10.73	11.16	10.98	10.69	10.74
Delaware	10.88	12.52	11.82	13.39	12.79	11.67	10.95
District of Columbia	11.03	11.17	11.37	12.14	12.26	12.26	11.58
Florida	11.17	11.15	11.06	11.09	10.97	11.06	11.00
Georgia	8.53	9.02	9.33	9.71	9.37	9.80	9.39
Hawaii	28.45	27.38	28.06	28.56	27.37	26.30	26.98
Idaho	6.30	6.28	7.16	7.18	7.63	7.47	7.14
Illinois	6.59	7.90	12.09	13.60	12.43	12.52	11.00
Indiana	6.78	7.28	9.96	11.61	11.35	11.47	9.05
Iowa	6.51	6.52	9.05	9.29	9.56	8.98	7.77
Kansas	7.99	9.97	13.94	13.17	13.40	12.88	12.74
Kentucky	8.71	10.16	11.83	12.81	11.99	12.54	11.28
Louisiana	8.84	8.71	8.77	8.75	8.80	8.85	8.83
Maine	10.75	11.58	12.33	12.77	13.06	11.42	10.94
Maryland	9.84	12.05	12.59	12.49	11.30	12.16	11.76
Massachusetts	9.79	8.71	10.12	10.35	10.37	9.36	10.21
Michigan	6.61	7.57	8.47	9.65	9.15	9.00	7.92
Minnesota	6.23	6.48	7.44	8.08	7.72	8.10	7.04
Mississippi	8.73	8.59	9.24	8.69	8.69	8.47	8.84
Missouri	9.18	10.55	10.65	11.19	11.00	9.78	8.99
Montana	7.24	7.72	8.82	9.67	9.64	8.84	7.82
Nebraska	6.10	6.48	6.78	6.93	7.08	6.54	6.59
Nevada	6.40	6.48	6.50	6.75	6.40	5.90	5.85
New Hampshire	12.78	15.10	16.06	16.06	15.28	12.45	11.49
New Jersey	9.47	9.12	8.66	9.47	9.84	8.98	8.83
New Mexico	7.25	7.60	7.41	7.43	7.56	7.08	6.56
New York	6.64	6.50	6.02	5.95	6.64	6.87	6.90
North Carolina	8.54	8.83	9.05	8.88	8.63	9.94	10.69
North Dakota	5.67	5.93	6.48	7.15	7.65	7.57	6.52
Ohio	5.48	6.54	7.44	7.81	7.75	7.75	6.78
Oklahoma	8.63	14.71	15.16	16.05	14.86	13.30	11.40
Oregon	8.57	8.84	9.84	10.44	10.05	10.19	9.37
Pennsylvania	8.79	10.34	11.10	11.53	11.94	11.60	10.56
Rhode Island	12.45	15.04	15.45	15.73	15.38	13.10	12.02
South Carolina	9.30	8.56	9.05	8.86	9.04	8.95	8.64
South Dakota	5.97	5.96	7.51	7.68	7.63	7.41	6.26
Tennessee	8.80	9.47	9.38	9.65	9.56	9.41	9.13
Texas	7.72	8.22	8.35	8.37	8.19	7.70	7.57
Utah	7.34	6.44	7.07	7.40	7.28	6.83	6.51
Vermont	6.17	6.07	6.04	6.06	6.29	6.12	6.94
Virginia	7.89	8.42	8.59	9.00	8.76	9.18	9.07
Washington	8.15	8.35	9.15	9.86	9.48	9.40	7.68
West Virginia	7.86	8.56	8.93	9.37	9.54	9.48	8.28
Wisconsin	6.49	5.84	6.92	6.85	7.02	6.68	6.06
Wyoming	6.74	6.96	7.41	7.45	7.65	7.41	7.13
Total	7.51	7.97	8.52	8.76	8.81	8.75	8.31

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

^R Revised data.

^{NA} Not available.

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

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

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

State	2019	2018	2017	2019			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	4.36	4.52	4.61	4.12	4.29	4.63	4.29
Alaska	6.12	5.53	5.06	6.10	6.18	6.09	5.69
Arizona	5.21	6.88	6.06	5.08	5.29	5.24	NA
Arkansas	6.71	6.88	6.68	6.61	6.66	6.87	6.79
California	8.92	7.47	8.03	9.03	8.64	9.15	NA
Colorado	5.87	5.14	5.47	5.76	6.07	5.78	NA
Connecticut	7.31	6.52	7.29	7.52	7.22	7.20	6.63
Delaware	9.28	10.23	9.17	9.12	9.23	9.47	NA
District of Columbia	--	--	--	--	--	--	--
Florida	6.56	6.66	6.37	6.32	6.45	6.90	NA
Georgia	4.91	4.67	4.95	4.50	4.84	5.38	NA
Hawaii	20.29	21.17	19.17	20.85	20.51	19.59	22.62
Idaho	3.61	4.16	4.54	3.64	3.62	3.57	3.98
Illinois	NA	NA	6.05	NA	5.28	5.39	NA
Indiana	5.81	6.05	5.86	5.75	5.72	5.94	NA
Iowa	5.27	NA	5.02	5.32	5.11	5.40	NA
Kansas	6.54	5.55	5.76	5.91	6.56	7.09	4.56
Kentucky	NA	NA	4.79	NA	5.26	5.16	NA
Louisiana	4.37	3.61	4.23	3.59	4.30	5.07	3.42
Maine	10.97	10.96	9.32	10.89	11.02	11.00	9.24
Maryland	9.00	7.83	9.27	8.76	10.05	8.61	NA
Massachusetts	10.31	10.77	8.27	10.09	10.33	10.50	9.90
Michigan	5.94	5.89	5.87	5.87	6.04	5.93	6.04
Minnesota	4.97	4.82	4.85	4.46	5.03	5.37	NA
Mississippi	NA	5.26	5.57	5.15	5.73	NA	5.00
Missouri	6.55	6.78	6.98	6.40	6.41	6.83	NA
Montana	6.09	6.64	6.73	5.95	6.17	6.19	6.37
Nebraska	4.90	5.00	4.93	4.23	4.84	5.70	4.53
Nevada	4.65	5.51	4.40	4.88	4.54	4.59	5.44
New Hampshire	10.65	NA	9.78	9.38	11.24	11.54	NA
New Jersey	8.48	8.66	8.06	7.83	8.32	9.33	NA
New Mexico	4.66	4.73	5.47	4.25	4.86	4.97	NA
New York	9.18	7.89	7.28	8.67	9.32	9.52	7.81
North Carolina	NA	NA	6.55	NA	7.12	7.26	NA
North Dakota	3.76	3.54	3.32	3.26	3.65	4.31	3.23
Ohio	6.42	NA	6.39	6.34	6.61	6.29	NA
Oklahoma	3.24	2.96	3.67	2.81	3.19	3.72	NA
Oregon	4.93	5.37	5.35	4.87	5.02	4.91	5.15
Pennsylvania	8.40	NA	7.90	8.35	8.23	8.60	NA
Rhode Island	9.64	9.10	8.26	9.62	9.59	9.70	NA
South Carolina	5.21	5.32	5.13	4.85	5.01	5.78	4.90
South Dakota	NA	4.75	5.21	NA	4.75	5.23	NA
Tennessee	5.60	5.60	5.47	5.25	5.57	5.92	5.05
Texas	3.41	3.29	3.36	3.03	3.26	3.91	3.39
Utah	5.49	6.24	5.96	5.52	5.41	5.55	5.49
Vermont	NA	4.80	5.68	4.43	4.48	NA	4.55
Virginia	5.42	5.14	5.17	5.00	4.92	6.23	5.14
Washington	NA	7.57	7.36	6.44	6.31	NA	NA
West Virginia	3.74	3.63	3.25	3.55	3.54	4.08	3.51
Wisconsin	5.58	5.69	5.80	5.60	5.39	5.76	5.14
Wyoming	4.12	4.14	4.35	3.87	4.27	4.19	3.90
Total	4.68	4.45	4.46	4.33	4.65	5.04	4.20

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						
	December	November	October	September	August	July	June
Alabama	5.38	4.59	4.06	3.98	3.88	3.90	3.89
Alaska	5.73	6.00	5.96	6.00	5.87	6.01	5.34
Arizona	5.26	4.63	6.01	5.64	NA	6.45	6.50
Arkansas	6.67	6.78	6.68	6.68	7.05	7.08	6.70
California	8.61	6.99	6.11	7.04	NA	6.43	6.09
Colorado	4.70	4.87	5.19	NA	6.24	6.64	6.55
Connecticut	7.48	6.53	6.39	6.15	6.37	6.61	6.91
Delaware	9.09	11.09	11.53	NA	10.79	NA	NA
District of Columbia	--	--	--	--	--	--	--
Florida	NA	5.98	6.02	NA	6.66	5.93	5.51
Georgia	6.02	4.74	4.41	4.41	4.29	4.38	NA
Hawaii	22.29	24.11	24.18	23.38	22.37	23.04	23.32
Idaho	3.57	3.62	3.49	4.09	4.06	4.20	4.12
Illinois	5.36	NA	5.60	6.34	7.23	6.99	5.97
Indiana	6.25	6.17	5.22	NA	7.31	7.39	6.56
Iowa	6.34	5.80	5.04	5.36	4.78	4.45	4.32
Kansas	7.28	6.58	5.44	4.57	4.30	4.30	4.32
Kentucky	5.19	4.46	4.28	3.99	3.84	3.88	3.84
Louisiana	3.96	3.57	3.35	3.16	3.43	3.14	3.29
Maine	11.05	10.63	5.87	5.78	5.79	6.41	6.30
Maryland	9.40	8.43	7.95	NA	9.02	8.97	NA
Massachusetts	10.66	8.69	6.72	6.63	7.48	7.15	7.37
Michigan	6.18	5.95	6.25	6.59	7.02	6.20	6.75
Minnesota	5.40	4.80	4.48	4.47	4.50	4.48	4.49
Mississippi	5.79	5.13	4.87	4.53	4.71	4.80	4.63
Missouri	NA	6.28	5.86	5.76	5.65	5.80	5.63
Montana	6.06	6.17	5.95	6.05	5.81	5.65	6.19
Nebraska	5.11	4.51	4.41	4.35	4.33	4.20	3.82
Nevada	4.48	4.79	5.00	5.80	5.91	6.14	6.33
New Hampshire	11.42	8.92	6.98	6.93	7.77	7.86	NA
New Jersey	NA	7.54	NA	6.88	NA	6.82	NA
New Mexico	4.40	4.20	4.24	3.48	3.07	NA	NA
New York	8.18	7.24	7.04	7.29	7.40	7.94	8.06
North Carolina	6.57	6.29	5.91	5.67	5.90	5.81	5.88
North Dakota	4.77	3.85	2.90	2.78	2.78	2.72	2.65
Ohio	6.07	6.40	NA	NA	NA	NA	7.44
Oklahoma	4.53	2.59	2.23	2.08	2.29	2.35	NA
Oregon	4.96	5.05	5.07	5.12	5.14	5.19	4.93
Pennsylvania	7.52	8.29	8.47	9.60	9.38	9.82	9.36
Rhode Island	9.72	10.57	11.37	11.12	10.97	11.63	11.46
South Carolina	6.09	5.34	4.54	4.57	4.32	4.65	4.39
South Dakota	5.29	4.63	NA	5.72	5.46	5.55	4.76
Tennessee	5.97	5.00	4.55	4.41	4.38	4.61	4.45
Texas	4.83	3.84	3.47	3.19	2.99	3.19	3.22
Utah	5.80	5.03	4.66	4.73	4.71	4.64	5.19
Vermont	5.24	4.72	4.35	4.30	4.26	4.22	4.14
Virginia	6.20	4.77	5.19	4.99	5.36	5.00	4.91
Washington	6.14	6.49	7.09	NA	NA	NA	NA
West Virginia	4.80	4.05	3.31	3.18	3.15	3.25	3.17
Wisconsin	6.72	5.79	4.60	3.78	3.98	3.92	4.26
Wyoming	3.68	3.83	4.34	3.66	3.49	3.22	3.22
Total	5.46	4.51	4.04	3.75	3.67	3.76	3.78

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	
	May	April	March	February	January	Total	December
Alabama	3.90	3.90	3.93	4.90	4.75	4.24	4.31
Alaska	5.54	4.92	5.29	5.57	5.68	4.63	4.73
Arizona	6.50	NA	6.99	7.04	6.64	6.47	6.57
Arkansas	6.55	6.61	7.09	6.83	6.77	6.67	6.48
California	6.08	6.35	7.43	7.46	7.53	7.05	7.14
Colorado	5.45	4.88	5.22	5.15	5.06	5.58	5.04
Connecticut	6.95	6.52	6.57	6.57	6.43	6.48	6.12
Delaware	11.06	9.59	9.88	10.07	10.58	9.91	10.51
District of Columbia	--	--	--	--	--	--	--
Florida	6.38	6.49	6.84	5.87	7.36	6.17	5.82
Georgia	4.38	4.61	4.45	5.19	4.42	4.68	4.61
Hawaii	23.05	22.04	21.57	21.71	20.32	19.62	22.24
Idaho	4.22	4.18	4.08	4.14	4.25	4.44	4.38
Illinois	5.37	4.88	5.02	NA	5.17	5.76	4.86
Indiana	6.42	6.09	5.84	5.87	6.38	5.99	4.85
Iowa	4.36	5.17	5.27	NA	5.53	5.21	5.55
Kansas	4.35	4.58	4.71	6.91	7.19	4.16	5.71
Kentucky	3.97	4.07	4.35	NA	4.46	4.46	4.54
Louisiana	3.44	2.99	3.64	3.47	3.74	3.64	3.35
Maine	6.81	11.17	11.71	11.69	9.71	8.15	9.59
Maryland	8.47	7.95	7.50	7.75	8.13	9.84	9.71
Massachusetts	10.19	12.84	11.89	11.05	9.64	8.02	8.96
Michigan	6.27	5.89	5.96	5.96	5.76	5.97	5.64
Minnesota	NA	4.08	4.34	5.30	4.82	4.48	4.66
Mississippi	4.59	4.72	5.25	5.29	5.24	5.07	5.08
Missouri	5.97	6.96	6.79	6.73	6.83	6.64	6.84
Montana	6.21	6.80	6.55	6.38	7.02	6.60	7.41
Nebraska	3.84	4.23	5.15	4.95	4.90	4.54	4.45
Nevada	5.95	5.64	5.57	5.48	5.48	5.06	5.21
New Hampshire	10.84	NA	NA	9.39	9.62	9.09	10.03
New Jersey	6.51	6.65	8.90	8.79	8.39	7.92	8.06
New Mexico	NA	3.68	4.54	4.82	4.89	5.06	5.37
New York	7.96	7.92	8.51	7.90	7.38	7.21	7.20
North Carolina	6.03	6.16	5.95	6.53	NA	6.24	6.29
North Dakota	2.65	2.57	2.71	4.06	3.78	3.15	3.97
Ohio	6.65	6.11	6.23	NA	NA	6.71	6.24
Oklahoma	1.99	1.66	2.49	3.29	3.10	3.30	3.13
Oregon	5.05	5.09	5.36	5.39	5.35	5.31	5.18
Pennsylvania	8.60	8.44	8.49	NA	8.09	8.38	8.91
Rhode Island	11.41	NA	10.14	8.75	8.62	8.48	8.62
South Carolina	4.33	4.38	4.67	5.40	6.08	4.86	5.17
South Dakota	4.36	4.21	4.83	4.74	4.67	5.09	4.87
Tennessee	4.68	4.92	5.28	5.96	5.57	5.04	5.22
Texas	3.10	2.98	2.87	3.78	3.32	3.28	3.22
Utah	5.32	5.86	6.14	6.33	6.25	5.51	6.02
Vermont	4.18	4.22	4.33	5.00	5.08	4.92	4.71
Virginia	5.05	4.66	5.04	5.33	5.07	5.04	5.15
Washington	7.67	7.51	7.60	7.62	7.49	7.39	7.45
West Virginia	3.14	3.07	3.10	4.36	3.40	3.21	4.12
Wisconsin	3.98	4.20	5.25	6.13	5.66	5.34	5.60
Wyoming	3.89	4.27	4.17	4.20	4.02	4.28	4.21
Total	3.81	3.90	4.02	4.86	4.48	4.10	4.21

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						
	November	October	September	August	July	June	May
Alabama	4.11	3.92	3.89	3.93	4.07	4.21	4.18
Alaska	4.59	4.02	3.63	3.16	3.04	4.96	4.96
Arizona	6.92	6.72	6.77	7.26	6.49	6.86	6.31
Arkansas	6.62	6.63	6.66	7.03	6.74	6.69	6.53
California	6.38	6.09	6.24	6.43	6.59	7.01	7.05
Colorado	5.18	7.00	5.77	5.91	6.35	6.08	5.66
Connecticut	6.08	5.97	6.38	6.03	5.90	5.80	6.41
Delaware	12.01	10.38	10.08	13.21	13.50	10.22	9.81
District of Columbia	--	--	--	--	--	--	--
Florida	6.20	6.26	6.11	6.36	5.99	6.07	6.09
Georgia	4.38	4.53	4.68	4.60	4.45	4.67	4.64
Hawaii	20.83	21.09	19.75	18.87	18.57	19.10	19.60
Idaho	4.02	4.35	4.42	4.47	4.48	4.59	4.44
Illinois	4.99	5.10	5.75	6.44	7.17	6.70	6.78
Indiana	5.34	5.43	7.01	7.98	7.11	7.93	6.32
Iowa	5.12	5.06	5.33	5.18	5.43	5.51	5.31
Kansas	4.94	4.51	3.88	3.76	3.83	4.01	4.74
Kentucky	4.26	4.26	4.15	4.18	4.27	4.48	4.37
Louisiana	3.41	3.53	3.46	3.55	3.62	3.74	3.32
Maine	9.29	5.26	5.30	5.42	6.34	6.48	6.61
Maryland	9.25	10.79	11.22	10.67	11.28	11.91	10.56
Massachusetts	7.77	5.63	7.20	7.26	7.46	7.10	8.76
Michigan	5.96	6.02	6.94	6.73	6.47	6.40	6.36
Minnesota	4.05	4.40	4.24	4.19	4.14	4.44	4.23
Mississippi	4.86	4.89	4.91	4.80	5.02	4.84	4.92
Missouri	6.96	6.43	6.03	6.24	6.21	6.02	6.04
Montana	6.55	6.49	6.38	5.70	6.66	6.50	6.53
Nebraska	4.28	4.21	4.38	4.32	4.40	4.44	4.33
Nevada	5.48	5.65	5.69	6.03	5.74	5.48	5.15
New Hampshire	8.92	7.66	7.99	7.58	7.81	7.14	7.98
New Jersey	8.05	8.62	8.32	8.19	7.82	8.37	7.03
New Mexico	5.30	5.15	4.87	4.95	4.87	4.88	4.81
New York	6.71	6.44	6.17	6.82	8.04	7.78	7.20
North Carolina	6.02	5.89	6.09	6.07	6.04	5.97	6.07
North Dakota	3.12	2.89	3.78	2.82	2.85	2.95	2.81
Ohio	6.42	7.24	8.04	7.85	8.69	9.21	8.06
Oklahoma	2.94	3.02	2.87	3.13	3.46	3.39	3.22
Oregon	5.28	5.17	5.19	5.50	5.41	5.39	5.28
Pennsylvania	8.95	9.16	9.13	9.36	10.50	8.99	8.22
Rhode Island	8.45	8.41	8.59	8.74	8.74	8.43	8.55
South Carolina	4.54	4.58	4.71	4.56	4.98	4.83	4.69
South Dakota	4.61	5.35	6.04	5.64	5.62	5.20	5.22
Tennessee	4.95	4.69	4.70	4.66	4.77	4.94	4.86
Texas	2.98	3.12	3.21	3.19	3.40	3.51	3.37
Utah	5.45	5.15	5.13	5.12	5.20	5.04	5.14
Vermont	4.40	4.42	4.48	4.47	4.51	4.68	4.78
Virginia	4.64	4.69	4.92	5.22	4.94	5.41	5.04
Washington	7.34	7.11	7.22	7.42	7.73	7.38	7.52
West Virginia	4.07	3.03	2.80	2.85	2.90	2.85	2.92
Wisconsin	5.54	4.46	4.66	4.54	4.24	4.74	4.69
Wyoming	4.25	4.36	4.38	4.35	4.39	4.24	3.96
Total	3.85	3.79	3.84	3.79	3.93	4.06	4.03

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

-- Not applicable.

NA Not available.

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

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

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2017-2019
(dollars per thousand cubic feet)

State	2019	2018	2017	2019			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	W	W	W	W	W	W	W
Alaska	7.72	8.44	8.09	7.72	7.72	7.72	7.91
Arizona	W	W	W	W	W	W	3.06
Arkansas	W	W	W	W	W	W	W
California	W	W	W	4.53	W	W	4.75
Colorado	W	W	W	W	W	W	W
Connecticut	5.58	7.54	W	4.10	5.34	7.12	4.72
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	4.42	W	W	W	W
Georgia	W	W	W	W	W	W	3.84
Hawaii	--	--	--	--	--	--	--
Idaho	13.00	3.32	--	40.19	8.54	3.48	3.38
Illinois	W	W	W	W	W	3.92	3.32
Indiana	W	W	W	W	W	3.44	3.43
Iowa	4.31	3.14	4.92	2.75	7.22	3.12	3.02
Kansas	4.54	3.54	4.21	5.76	3.93	4.00	3.30
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	4.84	3.50	3.71	W	4.31
Massachusetts	W	W	W	5.22	W	W	5.09
Michigan	3.32	3.28	3.33	3.33	3.08	3.53	3.41
Minnesota	W	W	W	W	W	W	3.80
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	3.00	W	W	W	W
Montana	2.50	1.87	2.24	2.98	2.77	1.79	1.33
Nebraska	3.96	5.50	5.57	4.02	3.83	4.01	3.91
Nevada	4.67	3.23	3.96	4.36	5.13	4.53	3.29
New Hampshire	W	W	W	W	W	W	W
New Jersey	4.10	4.32	3.70	3.71	3.99	4.58	3.25
New Mexico	2.18	3.22	3.67	1.48	2.28	2.72	2.54
New York	4.75	5.75	4.73	3.90	4.46	5.76	3.89
North Carolina	W	W	W	W	W	W	W
North Dakota	5.13	10.62	5.63	4.39	4.77	6.16	6.14
Ohio	3.13	3.13	3.34	3.09	2.92	3.40	3.25
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	3.18	3.91	3.41	2.84	3.01	3.66	3.10
Rhode Island	W	W	W	W	W	W	W
South Carolina	W	W	W	3.55	W	W	3.97
South Dakota	--	--	--	--	--	--	--
Tennessee	3.23	3.22	3.24	3.11	3.09	3.50	3.13
Texas	2.97	3.28	3.20	2.83	2.82	3.21	3.17
Utah	4.71	3.16	W	4.22	5.49	4.49	3.23
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	3.87	W	W	4.33
Washington	W	W	4.78	W	W	W	W
West Virginia	3.55	W	W	3.58	3.30	3.66	2.98
Wisconsin	3.60	3.42	W	3.45	3.64	3.72	3.29
Wyoming	W	W	W	W	3.10	W	3.27
Total	3.85	4.16	3.86	3.59	3.79	4.16	3.67

See footnotes at end of table.

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

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

See footnotes at end of table.

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

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

See footnotes at end of table.

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

State	2017						
	November	October	September	August	July	June	May
Alabama	W	W	W	W	W	W	W
Alaska	8.13	8.09	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	4.17	2.86	2.67	W	W	W	W
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.38	W	W	W	W	4.33	W
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Illinois	W	W	W	W	3.23	3.06	W
Indiana	W	W	W	W	W	W	W
Iowa	3.18	2.76	2.87	2.80	2.92	2.74	2.84
Kansas	3.52	3.24	3.65	3.44	3.22	3.43	4.10
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	--	W	W	W	W	W	--
Maryland	3.28	3.21	3.00	3.27	3.44	3.25	3.37
Massachusetts	W	W	2.29	2.42	2.58	2.65	3.36
Michigan	3.30	3.11	3.29	3.23	3.21	3.22	3.44
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	2.73	2.68	3.10	3.19	3.07	3.22	3.40
Montana	1.91	0.72	1.49	1.52	1.52	2.10	2.49
Nebraska	4.89	4.02	4.12	3.64	3.48	3.51	4.03
Nevada	3.40	3.14	3.35	3.27	3.29	3.48	3.49
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.95	1.63	2.04	2.19	2.44	2.42	3.24
New Mexico	3.69	3.36	3.45	3.50	3.53	3.51	3.69
New York	3.40	2.33	2.36	2.56	2.75	2.96	3.29
North Carolina	W	W	W	W	W	W	W
North Dakota	5.43	8.67	4.98	6.35	6.14	4.36	4.37
Ohio	2.94	2.89	2.81	2.76	2.91	3.06	3.22
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.37	1.47	1.71	2.03	2.27	2.39	3.00
Rhode Island	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W
South Dakota	--	--	--	--	--	--	--
Tennessee	2.92	2.88	2.99	2.86	2.93	3.07	2.96
Texas	3.10	3.11	3.11	3.03	3.11	3.17	3.29
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	2.67	2.94	3.09	3.10	3.59
Washington	4.39	3.70	3.94	3.62	4.03	5.16	3.85
West Virginia	W	W	W	W	W	W	W
Wisconsin	3.39	3.16	3.23	3.16	W	W	W
Wyoming	3.69	W	W	W	W	W	W
Total	3.50	3.27	3.31	3.27	3.32	3.41	3.61

See footnotes at end of table.

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

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

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

-- Not applicable.

W Withheld.

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

Sources: 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 3-Month YTD			2018 3-Month YTD			2017 3-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	82.0	25.4	100.0	83.2	26.9	100.0	80.3	26.5
Alaska	100.0	NA	100.0	100.0	99.2	100.0	100.0	99.1	100.0
Arizona	100.0	76.7	14.2	100.0	NA	12.3	100.0	84.7	14.0
Arkansas	NA	NA	2.0	100.0	52.2	NA	100.0	47.6	1.6
California	95.1	54.7	5.0	95.1	54.6	4.6	95.2	55.7	4.8
Colorado	100.0	95.1	9.4	100.0	95.0	8.2	100.0	94.5	8.2
Connecticut	96.7	79.7	52.9	96.6	80.2	50.8	96.5	78.8	51.1
Delaware	100.0	NA	0.4	NA	NA	NA	100.0	42.8	0.6
District of Columbia	NA	22.9	0.0	76.6	NA	0.0	74.0	23.5	--
Florida	91.1	NA	NA	92.1	31.4	4.2	91.1	31.4	3.4
Georgia	100.0	100.0	24.3	100.0	100.0	24.3	100.0	100.0	24.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	NA	2.8	100.0	NA	2.7	100.0	83.4	2.8
Illinois	87.5	39.9	NA	86.6	39.1	NA	85.8	38.4	8.7
Indiana	96.3	70.0	2.3	96.1	69.6	NA	95.7	68.1	2.3
Iowa	100.0	71.4	3.2	100.0	NA	NA	100.0	73.4	3.4
Kansas	100.0	64.0	1.3	100.0	64.2	2.2	100.0	60.7	2.4
Kentucky	97.3	82.7	NA	97.0	83.0	NA	96.6	81.4	17.2
Louisiana	100.0	80.8	3.2	NA	NA	NA	100.0	80.2	3.4
Maine	100.0	67.9	9.5	100.0	NA	10.4	100.0	63.7	10.7
Maryland	75.9	30.5	6.6	75.8	32.4	NA	74.9	29.9	7.0
Massachusetts	97.5	46.0	31.8	NA	NA	32.0	98.5	51.8	28.4
Michigan	94.2	64.3	10.4	93.7	61.9	NA	93.2	60.4	10.2
Minnesota	100.0	91.3	22.4	NA	NA	21.7	100.0	91.6	19.0
Mississippi	100.0	88.0	NA	99.6	NA	9.9	100.0	86.4	9.3
Missouri	100.0	78.9	16.8	100.0	79.5	17.6	100.0	77.3	14.8
Montana	99.6	54.9	2.6	NA	NA	2.4	99.4	54.5	2.4
Nebraska	88.3	60.4	7.7	88.4	60.8	7.1	87.6	60.2	7.7
Nevada	100.0	67.2	NA	100.0	65.3	17.9	100.0	67.3	18.2
New Hampshire	100.0	59.9	11.0	100.0	58.7	NA	100.0	56.7	6.8
New Jersey	96.2	51.6	15.4	95.2	46.5	NA	94.5	50.1	11.5
New Mexico	100.0	62.0	3.2	100.0	62.2	3.8	100.0	60.4	4.3
New York	100.0	NA	7.3	100.0	100.0	8.1	100.0	100.0	7.6
North Carolina	100.0	89.1	NA	100.0	89.4	NA	100.0	85.9	12.8
North Dakota	100.0	94.4	34.8	100.0	NA	37.5	100.0	94.2	36.0
Ohio	100.0	100.0	1.2	100.0	100.0	NA	100.0	100.0	1.4
Oklahoma	100.0	53.3	8.2	100.0	53.8	7.7	100.0	52.2	7.9
Oregon	100.0	95.3	16.5	100.0	NA	17.1	100.0	95.2	17.1
Pennsylvania	86.5	39.8	NA	86.9	40.6	NA	87.7	40.5	1.8
Rhode Island	100.0	54.6	5.2	100.0	55.1	4.0	100.0	54.1	4.0
South Carolina	100.0	93.2	40.6	100.0	NA	NA	100.0	92.2	41.1
South Dakota	100.0	81.9	NA	NA	NA	5.8	100.0	83.9	5.8
Tennessee	100.0	92.1	24.0	100.0	NA	NA	100.0	90.8	24.9
Texas	100.0	77.9	31.5	NA	79.2	36.8	99.8	76.0	38.2
Utah	100.0	72.2	2.4	100.0	75.2	3.0	100.0	78.5	4.3
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.4	56.7	NA	NA	NA	12.8	89.9	55.2	11.8
Washington	100.0	88.5	NA	100.0	86.3	NA	100.0	88.4	8.5
West Virginia	100.0	64.1	NA	100.0	65.1	3.9	100.0	61.0	3.5
Wisconsin	100.0	78.9	20.1	100.0	78.4	20.4	100.0	77.2	19.3
Wyoming	69.8	57.5	1.3	69.6	49.2	1.9	71.2	49.4	1.9
Total	96.2	69.6	13.7	96.0	69.7	14.9	95.8	69.2	14.9

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								
	March			February			January		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	79.5	25.1	100.0	85.1	26.2	100.0	80.9	25.0
Alaska	100.0	NA	100.0	100.0	NA	100.0	100.0	NA	100.0
Arizona	100.0	76.5	14.2	100.0	77.3	14.7	100.0	76.4	13.8
Arkansas	NA	NA	2.2	100.0	53.3	1.8	100.0	49.3	1.8
California	94.6	55.5	4.9	95.5	55.4	6.1	95.0	53.3	4.2
Colorado	100.0	95.1	9.6	100.0	94.8	9.2	100.0	95.2	9.4
Connecticut	96.7	79.7	52.8	96.7	80.1	53.8	96.6	79.2	52.1
Delaware	100.0	NA	0.4	100.0	44.9	0.4	100.0	41.4	0.3
District of Columbia	76.6	23.9	0.0	NA	23.5	0.0	75.8	21.1	0.0
Florida	90.6	28.9	NA	91.4	30.7	3.7	91.1	NA	3.2
Georgia	100.0	100.0	24.1	100.0	100.0	24.6	100.0	100.0	24.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	80.9	2.7	100.0	NA	2.9	100.0	83.3	2.7
Illinois	86.5	37.9	NA	86.8	40.1	11.1	89.1	41.5	9.7
Indiana	96.3	68.5	2.1	96.3	68.7	2.4	96.2	72.1	2.3
Iowa	100.0	70.2	3.0	100.0	71.7	3.7	100.0	71.9	3.0
Kansas	100.0	63.2	1.3	100.0	65.5	1.2	100.0	63.1	1.2
Kentucky	97.3	82.7	NA	96.9	82.8	16.0	97.6	82.6	15.1
Louisiana	100.0	80.1	2.9	100.0	82.3	3.4	100.0	80.1	3.4
Maine	100.0	67.7	9.2	100.0	69.4	9.7	100.0	66.5	9.5
Maryland	76.9	29.6	6.0	76.3	27.9	5.2	74.7	33.5	8.4
Massachusetts	97.5	48.0	34.1	97.5	44.6	31.0	97.6	45.7	30.5
Michigan	93.9	63.1	10.0	94.0	63.4	10.7	94.6	66.1	10.5
Minnesota	100.0	90.4	21.6	100.0	91.1	23.6	100.0	92.1	22.1
Mississippi	100.0	87.3	8.2	100.0	87.8	10.5	100.0	88.7	NA
Missouri	100.0	79.0	16.7	100.0	80.1	18.1	100.0	77.6	15.8
Montana	99.6	57.3	3.4	99.6	54.9	2.6	99.6	52.2	2.0
Nebraska	88.5	61.4	8.0	88.5	60.4	8.0	87.9	59.2	7.1
Nevada	100.0	66.4	15.2	100.0	67.5	NA	100.0	67.6	17.3
New Hampshire	100.0	60.3	12.2	100.0	59.9	9.7	100.0	59.5	11.1
New Jersey	96.3	53.0	14.8	96.4	51.0	15.8	96.0	51.0	15.7
New Mexico	100.0	60.8	3.6	100.0	64.0	3.1	100.0	61.1	3.0
New York	100.0	100.0	6.9	100.0	100.0	7.6	100.0	NA	7.3
North Carolina	100.0	87.9	NA	100.0	88.2	15.2	100.0	90.6	15.2
North Dakota	100.0	93.9	36.9	100.0	94.4	29.3	100.0	95.0	37.6
Ohio	100.0	100.0	1.1	100.0	100.0	1.3	100.0	100.0	1.2
Oklahoma	100.0	56.0	7.9	100.0	53.3	8.7	100.0	50.8	8.0
Oregon	100.0	95.6	16.2	100.0	95.3	17.2	100.0	95.1	16.2
Pennsylvania	86.2	38.8	NA	86.3	39.5	NA	86.9	40.9	NA
Rhode Island	100.0	54.8	5.4	100.0	53.8	5.0	100.0	55.2	5.3
South Carolina	100.0	92.5	40.6	100.0	92.5	41.0	100.0	94.3	40.1
South Dakota	100.0	82.9	NA	100.0	81.5	7.3	100.0	81.4	6.5
Tennessee	100.0	91.3	23.4	100.0	92.5	23.8	100.0	92.5	24.8
Texas	100.0	77.8	31.7	100.0	77.0	31.4	100.0	78.7	31.3
Utah	100.0	70.3	2.2	100.0	71.2	2.4	100.0	74.6	2.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.9	55.6	NA	89.7	54.8	10.3	91.6	59.4	11.5
Washington	100.0	87.5	8.1	100.0	89.9	8.9	100.0	88.0	NA
West Virginia	100.0	62.8	NA	100.0	64.1	3.2	100.0	65.1	3.5
Wisconsin	100.0	78.1	19.8	100.0	79.4	21.9	100.0	79.1	18.8
Wyoming	69.4	57.8	1.4	70.2	57.0	1.4	69.9	57.6	1.1
Total	96.0	69.1	13.6	96.1	69.4	14.0	96.3	70.2	13.6

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								
	Total			December			November		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	78.8	25.8	100.0	82.0	26.1	100.0	73.5	25.4
Alaska	100.0	NA	100.0	100.0	NA	100.0	100.0	99.1	100.0
Arizona	NA	NA	NA	100.0	73.5	12.7	100.0	71.3	13.3
Arkansas	100.0	40.2	NA	100.0	46.4	1.9	100.0	35.5	1.7
California	NA	NA	NA	95.3	54.6	4.4	94.9	NA	4.2
Colorado	100.0	NA	NA	100.0	94.9	8.5	100.0	95.1	8.4
Connecticut	NA	76.9	50.9	96.7	78.1	54.7	95.8	75.6	51.1
Delaware	NA	NA	NA	100.0	42.5	0.4	100.0	NA	NA
District of Columbia	75.6	NA	0.0	76.3	23.7	0.0	74.0	22.1	0.0
Florida	91.6	NA	NA	91.4	32.1	NA	90.6	30.2	2.9
Georgia	100.0	100.0	NA	100.0	100.0	23.4	100.0	100.0	24.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	NA	2.9	100.0	84.0	3.0	100.0	79.3	2.8
Illinois	86.8	34.7	NA	87.8	38.7	9.8	90.3	39.5	NA
Indiana	NA	NA	NA	96.2	69.7	2.1	96.1	68.2	1.8
Iowa	100.0	NA	NA	100.0	68.3	3.6	100.0	69.9	3.7
Kansas	NA	52.6	6.1	NA	58.0	0.9	100.0	58.2	1.0
Kentucky	NA	79.5	NA	97.2	82.1	17.2	98.2	79.7	15.1
Louisiana	NA	NA	NA	100.0	79.5	2.9	100.0	74.6	4.0
Maine	100.0	NA	8.4	100.0	66.2	9.0	100.0	60.3	8.8
Maryland	NA	NA	NA	76.2	31.4	4.4	77.2	26.7	3.2
Massachusetts	NA	NA	28.4	97.5	48.3	29.8	97.6	39.9	27.7
Michigan	93.7	NA	NA	93.5	61.4	10.0	94.3	61.1	6.6
Minnesota	NA	NA	NA	100.0	NA	22.0	100.0	89.0	22.4
Mississippi	99.8	NA	8.6	100.0	87.5	9.2	100.0	83.9	9.6
Missouri	100.0	74.1	NA	100.0	77.3	NA	100.0	71.7	12.5
Montana	NA	NA	1.5	99.5	48.5	2.0	99.5	44.0	1.3
Nebraska	88.2	55.2	6.1	88.6	58.9	6.8	87.3	51.7	5.9
Nevada	100.0	58.6	14.3	100.0	66.0	20.6	100.0	58.9	15.8
New Hampshire	100.0	56.4	NA	100.0	58.0	8.0	100.0	55.1	6.1
New Jersey	95.5	NA	NA	95.9	43.9	NA	96.0	41.1	NA
New Mexico	NA	NA	NA	100.0	NA	6.0	NA	NA	6.5
New York	100.0	100.0	NA	100.0	100.0	7.3	100.0	100.0	4.7
North Carolina	100.0	NA	NA	100.0	89.0	14.2	100.0	88.0	12.6
North Dakota	100.0	NA	37.2	100.0	94.4	41.8	100.0	93.6	31.6
Ohio	100.0	100.0	NA	100.0	100.0	1.3	100.0	100.0	1.1
Oklahoma	100.0	45.4	NA	100.0	48.3	8.0	100.0	32.8	8.1
Oregon	100.0	NA	15.6	100.0	95.4	17.0	100.0	94.6	15.7
Pennsylvania	NA	36.9	NA	NA	38.8	1.5	88.7	37.3	0.9
Rhode Island	100.0	53.5	NA	100.0	54.1	5.6	100.0	52.1	4.9
South Carolina	100.0	NA	NA	100.0	NA	39.5	100.0	93.2	41.4
South Dakota	NA	NA	NA	100.0	81.7	7.5	100.0	77.5	6.1
Tennessee	100.0	NA	NA	100.0	91.5	25.3	100.0	88.3	NA
Texas	NA	72.2	35.7	99.9	76.6	33.6	99.9	71.0	34.9
Utah	100.0	NA	2.8	100.0	72.4	2.7	100.0	67.3	2.5
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	NA	91.1	56.3	11.0	91.7	56.3	12.5
Washington	100.0	NA	NA	100.0	89.4	10.3	100.0	88.1	7.3
West Virginia	NA	55.1	4.1	100.0	61.4	3.7	100.0	59.9	4.0
Wisconsin	100.0	73.0	17.8	100.0	78.6	19.6	100.0	75.2	19.3
Wyoming	70.2	50.7	1.4	68.9	56.7	1.2	70.1	57.1	1.1
Total	96.0	65.6	14.2	96.2	68.8	14.3	96.4	66.5	14.2

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								
	October			September			August		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	70.2	25.7	100.0	73.2	24.1	100.0	71.9	25.6
Alaska	100.0	98.2	100.0	100.0	95.8	100.0	100.0	95.5	100.0
Arizona	100.0	70.8	13.4	100.0	NA	14.3	NA	NA	NA
Arkansas	100.0	25.0	1.3	100.0	23.9	1.3	100.0	23.5	1.4
California	94.5	46.7	4.6	94.4	48.2	3.5	NA	NA	NA
Colorado	100.0	94.5	6.6	100.0	90.2	NA	100.0	NA	5.8
Connecticut	94.8	73.3	46.6	95.3	72.0	52.3	95.1	71.6	51.6
Delaware	100.0	19.5	0.3	100.0	NA	NA	100.0	20.0	0.3
District of Columbia	71.1	20.3	0.0	73.2	18.8	0.0	68.5	17.9	0.0
Florida	91.5	27.8	2.9	91.9	27.0	NA	92.0	NA	3.0
Georgia	100.0	100.0	25.1	100.0	100.0	24.5	100.0	100.0	24.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	70.7	2.6	100.0	61.5	3.0	100.0	59.0	3.1
Illinois	90.9	33.9	4.8	87.9	21.1	3.1	85.7	20.1	2.3
Indiana	95.5	66.4	NA	NA	NA	NA	95.6	54.2	0.7
Iowa	100.0	64.5	2.7	100.0	NA	1.9	100.0	50.5	2.0
Kansas	100.0	38.3	2.0	100.0	27.7	6.0	100.0	24.8	13.7
Kentucky	98.7	75.8	16.3	NA	70.1	16.1	97.9	68.0	16.7
Louisiana	100.0	72.5	3.6	100.0	76.1	3.5	100.0	76.1	4.5
Maine	100.0	50.2	7.0	100.0	46.7	5.6	100.0	NA	6.4
Maryland	77.5	NA	2.3	72.7	NA	NA	72.0	18.7	1.3
Massachusetts	97.4	32.5	21.9	97.4	28.7	23.5	97.3	27.9	24.8
Michigan	94.8	48.7	5.5	94.4	42.6	2.6	94.0	37.1	2.0
Minnesota	100.0	86.2	17.6	100.0	80.6	15.6	100.0	75.4	13.5
Mississippi	100.0	79.7	8.0	100.0	77.2	8.1	100.0	77.9	7.3
Missouri	100.0	62.1	9.3	100.0	57.4	9.7	100.0	58.4	9.9
Montana	99.5	42.4	1.2	99.4	26.0	0.7	99.4	31.0	0.8
Nebraska	86.1	44.6	5.0	89.3	41.0	5.4	89.5	39.5	5.2
Nevada	100.0	51.0	13.5	100.0	48.8	10.2	100.0	46.9	8.7
New Hampshire	100.0	48.0	4.6	100.0	47.0	3.7	100.0	48.1	2.5
New Jersey	96.1	39.6	NA	95.6	29.7	NA	95.6	25.9	NA
New Mexico	99.9	43.8	7.9	100.0	50.6	8.2	100.0	49.9	9.3
New York	100.0	100.0	4.1	100.0	100.0	3.3	100.0	100.0	3.6
North Carolina	100.0	85.8	11.0	100.0	NA	11.1	100.0	NA	8.8
North Dakota	100.0	93.3	39.3	100.0	86.4	39.8	100.0	85.3	34.6
Ohio	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	NA
Oklahoma	100.0	24.6	6.2	100.0	28.9	8.1	100.0	30.0	8.7
Oregon	100.0	93.6	14.9	100.0	92.4	16.0	100.0	91.8	13.6
Pennsylvania	89.2	31.3	0.5	87.5	26.7	0.3	87.2	26.7	0.4
Rhode Island	100.0	53.9	4.5	100.0	53.2	4.7	100.0	50.7	4.2
South Carolina	100.0	91.0	39.9	100.0	90.3	39.8	100.0	89.8	38.7
South Dakota	100.0	75.6	NA	100.0	70.0	1.6	100.0	68.9	1.8
Tennessee	100.0	82.2	23.3	100.0	79.6	21.9	100.0	77.1	22.2
Texas	99.8	65.4	35.4	99.2	59.6	36.0	NA	61.5	35.9
Utah	100.0	60.0	2.6	100.0	53.5	2.1	100.0	55.7	2.3
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	94.0	48.3	9.2	90.1	41.6	NA	88.5	41.8	10.1
Washington	100.0	86.0	5.6	100.0	82.0	NA	100.0	NA	NA
West Virginia	100.0	46.3	3.8	100.0	31.9	4.0	100.0	29.8	4.0
Wisconsin	100.0	67.0	19.0	100.0	53.4	15.6	100.0	48.0	12.1
Wyoming	69.7	56.6	0.9	72.5	47.2	1.0	72.8	48.5	1.1
Total	96.5	61.0	13.7	96.2	56.5	13.7	95.6	54.8	13.9

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								
	July			June			May		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	71.1	24.5	100.0	73.7	25.3	100.0	76.7	25.8
Alaska	100.0	95.8	100.0	100.0	96.6	100.0	100.0	98.0	100.0
Arizona	100.0	69.6	12.7	100.0	NA	13.3	100.0	NA	12.2
Arkansas	100.0	24.3	1.2	100.0	24.8	1.1	100.0	33.9	1.2
California	94.5	49.1	3.3	94.6	50.6	4.0	94.6	53.8	4.1
Colorado	100.0	90.3	5.8	100.0	90.7	5.1	100.0	91.0	6.5
Connecticut	95.1	72.6	50.1	95.3	72.9	48.6	NA	72.7	49.4
Delaware	100.0	NA	NA	100.0	NA	NA	100.0	33.2	NA
District of Columbia	68.9	14.1	0.0	69.0	21.7	0.0	75.2	18.9	0.0
Florida	92.6	27.6	2.9	90.9	27.5	3.3	90.8	29.0	4.5
Georgia	100.0	100.0	23.4	100.0	100.0	NA	100.0	100.0	23.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	58.7	3.0	100.0	NA	3.2	100.0	61.2	2.8
Illinois	85.0	19.0	2.2	84.0	21.7	3.5	77.4	21.5	6.1
Indiana	95.5	52.6	0.7	95.5	52.6	0.7	95.1	51.9	1.0
Iowa	100.0	46.3	2.1	100.0	47.9	1.9	100.0	52.3	2.3
Kansas	100.0	26.3	16.7	100.0	29.5	11.7	100.0	33.9	9.5
Kentucky	97.8	66.6	16.8	97.6	66.2	17.6	95.3	69.6	16.3
Louisiana	100.0	75.9	4.2	100.0	76.7	4.0	100.0	78.9	3.6
Maine	100.0	NA	6.1	100.0	52.1	7.1	100.0	57.7	8.2
Maryland	73.2	21.6	1.2	73.0	17.9	NA	NA	NA	1.8
Massachusetts	97.2	29.7	23.7	97.3	34.5	22.9	97.3	42.8	30.5
Michigan	94.1	NA	2.8	94.0	39.4	2.5	90.2	41.7	4.5
Minnesota	100.0	74.1	12.7	100.0	76.8	14.1	NA	NA	NA
Mississippi	100.0	77.3	7.7	100.0	78.1	7.5	100.0	80.4	7.5
Missouri	100.0	58.7	8.3	100.0	60.9	9.6	100.0	67.7	12.2
Montana	99.4	37.8	0.7	99.4	41.9	0.7	99.5	49.0	1.2
Nebraska	89.4	42.2	5.1	89.0	39.9	5.4	87.5	50.1	6.3
Nevada	100.0	48.6	8.2	100.0	50.6	10.9	100.0	53.1	13.8
New Hampshire	100.0	48.6	3.0	100.0	49.7	NA	100.0	53.6	6.0
New Jersey	95.5	NA	5.4	95.5	30.9	NA	95.4	32.8	NA
New Mexico	99.9	37.6	NA	100.0	45.2	NA	100.0	58.3	NA
New York	100.0	100.0	3.6	100.0	100.0	NA	100.0	100.0	5.6
North Carolina	100.0	78.4	8.3	100.0	NA	8.2	100.0	80.3	9.2
North Dakota	100.0	84.5	38.0	100.0	87.2	35.5	100.0	NA	29.5
Ohio	100.0	100.0	NA	100.0	100.0	0.5	100.0	100.0	0.6
Oklahoma	100.0	29.0	9.2	100.0	34.0	NA	100.0	46.3	7.8
Oregon	100.0	92.5	13.5	100.0	92.6	14.1	100.0	92.2	14.2
Pennsylvania	87.0	26.2	0.3	86.5	25.9	0.4	84.7	31.3	0.8
Rhode Island	100.0	52.8	3.2	100.0	50.3	3.7	100.0	47.6	3.6
South Carolina	100.0	89.1	38.8	100.0	90.7	40.3	100.0	89.7	41.7
South Dakota	100.0	71.7	1.5	100.0	75.8	1.7	100.0	NA	3.6
Tennessee	100.0	79.0	20.3	100.0	81.0	21.6	100.0	84.3	24.2
Texas	98.5	63.5	34.7	99.2	64.0	35.5	99.4	66.9	35.1
Utah	100.0	55.4	2.9	100.0	66.2	2.9	100.0	NA	3.0
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	86.5	41.8	9.3	88.6	40.8	NA	86.0	38.7	8.5
Washington	100.0	76.6	NA	100.0	NA	NA	100.0	79.5	4.6
West Virginia	100.0	31.2	3.9	100.0	30.7	4.5	NA	36.0	4.7
Wisconsin	100.0	51.5	12.5	100.0	53.2	11.2	100.0	61.5	15.4
Wyoming	72.9	46.5	1.2	73.1	46.9	1.3	71.9	47.9	1.4
Total	95.8	56.0	13.7	95.7	57.4	13.7	94.8	59.7	13.8

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								
	April			March			February		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	78.3	26.5	100.0	77.3	26.9	100.0	86.6	26.6
Alaska	100.0	98.9	100.0	100.0	99.1	100.0	100.0	99.3	100.0
Arizona	100.0	NA	NA	100.0	NA	11.4	100.0	NA	12.9
Arkansas	100.0	39.9	1.4	100.0	45.6	1.4	100.0	54.5	2.1
California	94.6	52.1	4.3	94.8	54.8	4.5	95.4	55.2	5.2
Colorado	100.0	92.8	7.2	100.0	94.4	7.8	100.0	95.2	8.4
Connecticut	96.2	76.6	52.3	96.4	79.0	48.0	96.4	80.5	52.0
Delaware	100.0	41.6	NA	100.0	NA	NA	100.0	49.0	NA
District of Columbia	76.9	20.2	0.0	75.1	NA	0.0	77.4	22.3	0.0
Florida	90.5	29.6	4.1	90.5	29.5	3.8	92.4	31.7	5.1
Georgia	100.0	100.0	24.2	100.0	100.0	23.0	100.0	100.0	24.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	74.8	3.0	100.0	80.0	2.6	100.0	NA	2.7
Illinois	85.4	34.5	8.5	86.6	37.6	8.9	86.0	38.5	NA
Indiana	95.9	66.5	1.9	96.0	69.5	1.9	95.9	68.9	2.6
Iowa	100.0	67.5	2.3	100.0	69.3	2.9	100.0	NA	NA
Kansas	100.0	53.9	5.6	100.0	56.3	4.3	100.0	65.1	1.3
Kentucky	96.4	78.8	15.7	97.4	81.5	16.4	96.6	83.1	NA
Louisiana	100.0	78.7	4.4	NA	NA	3.6	100.0	84.1	4.3
Maine	100.0	61.8	10.3	100.0	63.6	10.4	100.0	NA	10.1
Maryland	76.1	24.8	NA	76.0	32.4	NA	74.6	29.8	NA
Massachusetts	97.7	48.8	28.4	NA	NA	30.5	97.7	52.1	31.8
Michigan	93.4	62.0	7.9	93.8	60.5	8.5	93.6	61.4	NA
Minnesota	100.0	87.9	18.0	NA	NA	22.1	100.0	90.6	22.1
Mississippi	100.0	83.0	8.4	100.0	NA	8.4	100.0	88.1	11.2
Missouri	100.0	75.4	16.4	100.0	75.9	14.7	100.0	79.2	18.8
Montana	99.5	51.4	2.0	NA	NA	2.4	99.5	50.9	2.5
Nebraska	88.3	58.8	6.3	88.4	60.6	6.8	88.1	60.1	7.3
Nevada	100.0	57.5	15.3	100.0	64.9	17.6	100.0	64.3	18.3
New Hampshire	100.0	56.8	NA	100.0	58.2	NA	100.0	58.6	16.5
New Jersey	95.3	38.8	NA	95.5	47.2	NA	95.1	41.9	NA
New Mexico	100.0	60.8	6.0	100.0	61.3	4.4	100.0	65.3	3.8
New York	100.0	100.0	7.2	100.0	100.0	7.5	100.0	100.0	8.4
North Carolina	100.0	82.7	11.5	100.0	89.0	12.4	100.0	84.2	15.1
North Dakota	100.0	92.9	40.9	100.0	NA	35.1	100.0	94.2	39.0
Ohio	100.0	100.0	1.2	100.0	100.0	1.1	100.0	100.0	NA
Oklahoma	100.0	45.6	7.5	100.0	54.3	7.6	100.0	52.5	7.5
Oregon	100.0	93.8	16.1	100.0	94.8	16.7	100.0	NA	17.8
Pennsylvania	85.8	35.7	1.4	87.5	40.6	1.7	86.2	38.9	NA
Rhode Island	100.0	52.1	NA	100.0	54.0	3.8	100.0	53.7	4.1
South Carolina	100.0	89.9	41.5	100.0	92.4	NA	100.0	92.4	43.4
South Dakota	100.0	83.2	NA	NA	NA	6.0	100.0	83.6	5.7
Tennessee	100.0	88.9	23.4	100.0	NA	25.6	100.0	93.1	25.8
Texas	99.7	70.5	36.7	99.9	75.9	38.6	100.0	78.4	35.4
Utah	100.0	70.0	3.2	100.0	74.7	3.1	100.0	73.0	2.8
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.0	49.4	11.5	91.8	58.6	12.5	90.4	52.8	11.3
Washington	100.0	NA	6.6	100.0	87.3	NA	100.0	83.9	7.3
West Virginia	100.0	57.3	4.5	100.0	65.3	4.0	100.0	63.0	4.0
Wisconsin	100.0	74.1	20.0	100.0	75.8	19.0	100.0	78.6	20.2
Wyoming	71.2	49.5	1.6	70.1	49.7	1.7	69.7	49.5	2.3
Total	95.6	65.3	14.7	95.9	68.4	15.0	96.0	69.1	14.6

^R Revised data.

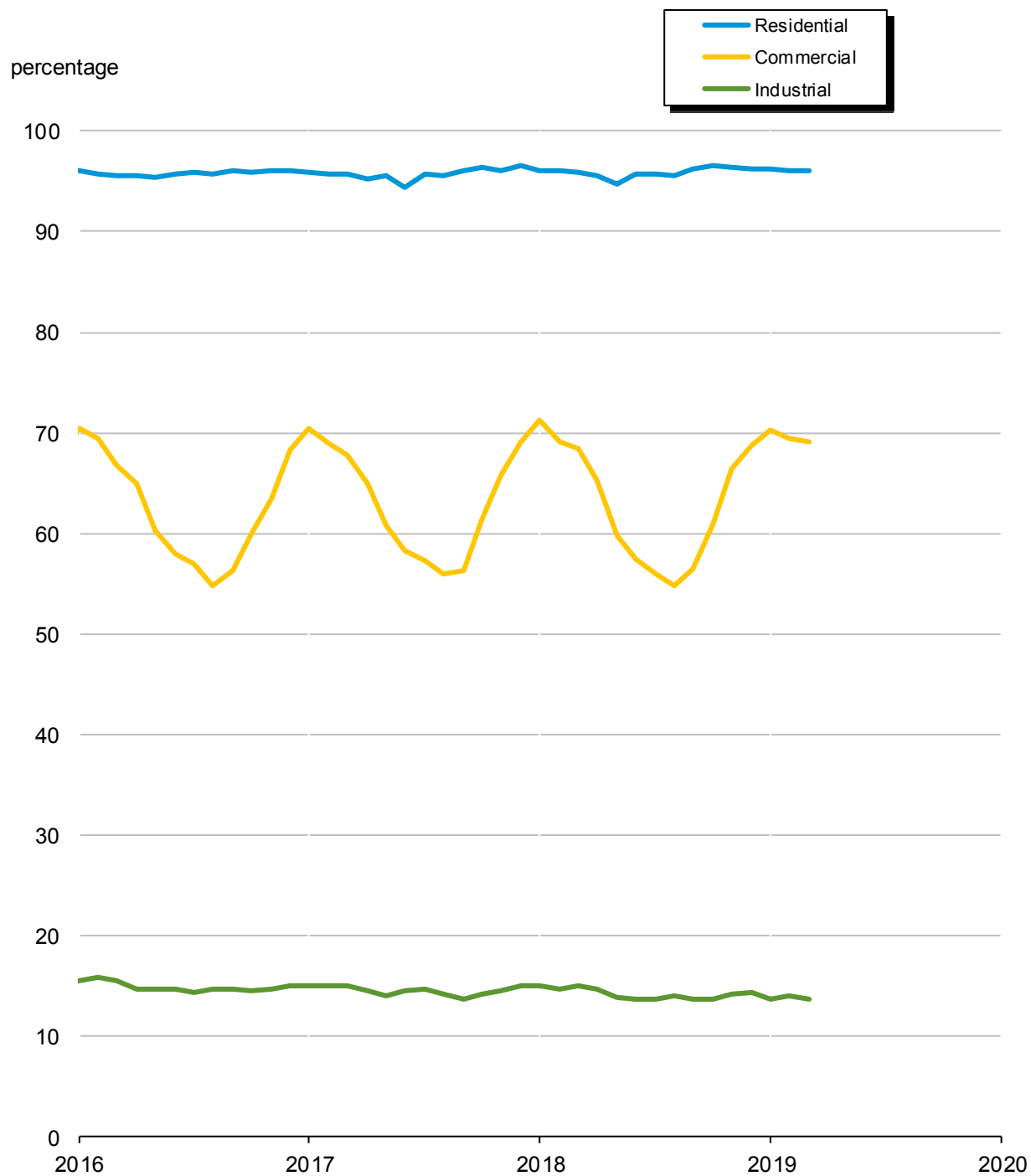
– Not applicable.

^{NA} Not available.

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

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

Figure 6. Percentage of total deliveries included in residential, commercial, and industrial price estimates, 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			2018
	3-Month YTD	3-Month YTD	3-Month YTD	March	February	January	Total
Alabama	1,023	1,027	1,028	1,021	1,021	1,025	1,027
Alaska	985	990	999	982	981	990	975
Arizona	1,036	1,043	1,042	1,036	1,037	1,036	1,041
Arkansas	1,017	1,018	1,024	1,016	1,018	1,018	1,018
California	1,032	1,034	1,034	1,031	1,033	1,032	1,033
Colorado	1,079	1,067	1,060	1,077	1,078	1,081	1,079
Connecticut	1,030	1,029	1,026	1,030	1,030	1,030	1,028
Delaware	1,040	1,043	1,044	1,039	1,040	1,041	1,039
District of Columbia	1,045	1,044	1,049	1,044	1,046	1,045	1,040
Florida	1,021	1,023	1,024	1,020	1,020	1,021	1,023
Georgia	1,023	1,029	1,031	1,021	1,022	1,026	1,028
Hawaii	948	969	960	946	961	938	962
Idaho	1,029	1,041	1,035	1,030	1,029	1,028	1,035
Illinois	1,034	1,032	1,032	1,033	1,034	1,035	1,030
Indiana	1,043	1,042	1,039	1,045	1,043	1,043	1,046
Iowa	1,055	1,053	1,051	1,054	1,054	1,055	1,062
Kansas	1,038	1,037	1,039	1,036	1,036	1,043	1,039
Kentucky	1,049	1,053	1,041	1,046	1,050	1,051	1,051
Louisiana	1,021	1,022	1,034	1,021	1,020	1,021	1,022
Maine	1,045	1,038	1,042	1,042	1,045	1,048	1,042
Maryland	1,050	1,049	1,055	1,050	1,050	1,050	1,043
Massachusetts	1,033	1,032	1,031	1,031	1,034	1,035	1,031
Michigan	1,052	1,045	1,044	1,051	1,053	1,052	1,048
Minnesota	1,041	1,038	1,030	1,043	1,026	1,047	1,045
Mississippi	1,025	1,024	1,036	1,030	1,023	1,023	1,026
Missouri	1,021	1,023	1,022	1,021	1,020	1,022	1,024
Montana	1,046	1,044	1,033	1,049	1,045	1,045	1,046
Nebraska	1,056	1,049	1,055	1,055	1,056	1,059	1,060
Nevada	1,036	1,037	1,040	1,034	1,039	1,035	1,037
New Hampshire	1,037	1,034	1,033	1,034	1,035	1,041	1,031
New Jersey	1,043	1,040	1,043	1,041	1,044	1,044	1,039
New Mexico	1,027	1,036	1,044	1,022	1,027	1,031	1,036
New York	1,034	1,033	1,033	1,033	1,034	1,034	1,032
North Carolina	1,027	1,028	1,033	1,029	1,027	1,027	1,028
North Dakota	1,085	1,082	1,062	1,087	1,089	1,079	1,079
Ohio	1,065	1,066	1,071	1,065	1,065	1,065	1,064
Oklahoma	1,026	1,039	1,046	1,027	1,030	1,022	1,032
Oregon	1,052	1,067	1,036	1,048	1,054	1,055	1,062
Pennsylvania	1,039	1,040	1,040	1,038	1,039	1,039	1,037
Rhode Island	1,028	1,029	1,029	1,028	1,028	1,029	1,029
South Carolina	1,023	1,029	1,030	1,022	1,021	1,026	1,027
South Dakota	1,063	1,060	1,056	1,064	1,064	1,062	1,067
Tennessee	1,028	1,026	1,029	1,027	1,027	1,029	1,024
Texas	1,022	1,025	1,028	1,022	1,021	1,024	1,026
Utah	1,042	1,040	1,043	1,043	1,041	1,042	1,040
Vermont	1,040	1,036	1,034	1,037	1,041	1,042	1,034
Virginia	1,056	1,052	1,053	1,057	1,056	1,055	1,052
Washington	1,085	1,087	1,077	1,083	1,086	1,087	1,088
West Virginia	1,086	1,087	1,082	1,087	1,088	1,085	1,093
Wisconsin	1,045	1,038	1,037	1,047	1,040	1,046	1,038
Wyoming	1,071	1,058	1,068	1,070	1,071	1,072	1,058
Total	1,037	1,037	1,038	1,037	1,037	1,038	1,036

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

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

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						
	November	October	September	August	July	June	May
Alabama	1,029	1,030	1,031	1,030	1,031	1,030	1,031
Alaska	996	983	980	964	974	988	995
Arizona	1,040	1,039	1,047	1,040	1,039	1,037	1,038
Arkansas	1,014	1,021	1,020	1,018	1,017	1,019	1,016
California	1,033	1,032	1,036	1,036	1,037	1,037	1,033
Colorado	1,061	1,069	1,067	1,074	1,072	1,069	1,065
Connecticut	1,029	1,026	1,026	1,026	1,026	1,025	1,025
Delaware	1,044	1,042	1,042	1,040	1,038	1,037	1,037
District of Columbia	1,041	1,033	1,034	1,034	1,030	1,029	1,034
Florida	1,020	1,021	1,022	1,025	1,024	1,023	1,024
Georgia	1,026	1,028	1,032	1,030	1,032	1,032	1,033
Hawaii	969	984	978	983	987	987	984
Idaho	1,031	1,030	1,037	1,034	1,035	1,069	1,044
Illinois	1,032	1,030	1,027	1,027	1,027	1,027	1,028
Indiana	1,050	1,049	1,049	1,050	1,049	1,044	1,042
Iowa	1,058	1,060	1,061	1,059	1,058	1,056	1,057
Kansas	1,038	1,034	1,037	1,034	1,034	1,033	1,035
Kentucky	1,056	1,060	1,051	1,042	1,040	1,043	1,028
Louisiana	1,020	1,023	1,025	1,022	1,022	1,020	1,022
Maine	1,030	1,022	1,017	1,018	1,017	1,021	1,022
Maryland	1,038	1,042	1,045	1,047	1,044	1,041	1,046
Massachusetts	1,030	1,030	1,030	1,031	1,032	1,030	1,030
Michigan	1,043	1,042	1,043	1,043	1,042	1,042	1,043
Minnesota	1,038	1,032	1,029	1,027	1,030	1,028	1,034
Mississippi	1,027	1,027	1,031	1,030	1,035	1,035	1,032
Missouri	1,021	1,022	1,020	1,021	1,018	1,020	1,021
Montana	1,045	1,052	1,042	1,048	1,045	1,040	1,026
Nebraska	1,054	1,065	1,071	1,069	1,070	1,066	1,063
Nevada	1,030	1,035	1,038	1,039	1,043	1,044	1,035
New Hampshire	1,031	1,029	1,028	1,028	1,026	1,030	1,029
New Jersey	1,042	1,036	1,039	1,038	1,036	1,036	1,037
New Mexico	1,042	1,041	1,046	1,045	1,043	1,040	1,042
New York	1,033	1,031	1,031	1,031	1,030	1,031	1,031
North Carolina	1,032	1,040	1,038	1,036	1,037	1,038	1,040
North Dakota	1,086	1,094	1,100	1,083	1,085	1,085	1,080
Ohio	1,071	1,076	1,070	1,069	1,067	1,068	1,068
Oklahoma	1,036	1,036	1,051	1,043	1,043	1,044	1,041
Oregon	1,062	1,059	1,058	1,067	1,073	1,086	1,079
Pennsylvania	1,041	1,039	1,039	1,038	1,038	1,038	1,038
Rhode Island	1,029	1,030	1,030	1,030	1,030	1,030	1,029
South Carolina	1,029	1,031	1,032	1,030	1,030	1,030	1,032
South Dakota	1,058	1,056	1,055	1,054	1,054	1,050	1,051
Tennessee	1,030	1,027	1,026	1,029	1,030	1,032	1,032
Texas	1,027	1,028	1,034	1,030	1,030	1,028	1,029
Utah	1,042	1,041	1,041	1,039	1,041	1,041	1,042
Vermont	1,033	1,026	1,021	1,022	1,020	1,026	1,024
Virginia	1,052	1,051	1,050	1,051	1,051	1,052	1,051
Washington	1,084	1,082	1,075	1,083	1,091	1,082	1,077
West Virginia	1,086	1,081	1,087	1,055	1,092	1,105	1,094
Wisconsin	1,039	1,034	1,027	1,027	1,026	1,029	1,036
Wyoming	1,047	1,049	1,050	1,058	1,055	1,053	1,052
Total	1,037	1,035	1,036	1,035	1,035	1,035	1,035

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

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

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

Appendix A

Explanatory Notes

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

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

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

Note 1. Production

Monthly Data

Estimates of gross withdrawals and marketed production for the Lower 48 states are derived from submissions by well operators on the monthly Form EIA-914, "*Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report.*" For 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

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

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

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

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

Sample Design

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

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

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

Sample Universe. The sample in use for 2018 was selected from a universe of 1,591 companies. These companies were respondents to the Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition,” for reporting year 2016, who reported sales or deliveries to consumers in the residential, commercial, or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

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

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

The single stage PPS sample design typically yielded approximately 390 respondents for the EIA-857 during 2009-2011. The cutoff sample approach as described above reduces this figure to approximately 300 respondents.

Estimation Procedures

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

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

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

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

or

(1)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

where:

R_{adj} = sendout adjusted residential volume,

C_{adj} = sendout adjusted commercial volume,

SO = sendout volume,

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

EP = reported electric power volume,

IN = reported industrial volume,

R = reported residential volume,

C = reported commercial volume.

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

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

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

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

where:

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

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

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

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

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

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

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

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

for Georgia, and,

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

for New York and Ohio, where:

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

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

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

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

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

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

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

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

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

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

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

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

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

N = frame size.

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

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

where:

P_j = natural gas price in sector j,

V_j = volume in sector j, which is estimated in equation 1,

R_j = revenue in sector j, which is estimated in same manner as equation 1,

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

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

$Cov(V_j, R_j)$ = the covariance between revenue and volume in sector j. The formula for estimating the covariance is:

$$\left[\left(\sum_{i=n+1}^N x_{Rij} \right) \left(\sum_{i=n+1}^N x_{Vij} \right) \frac{\sum_{i=1}^n \sqrt{x_{Rij} x_{Vij}}}{\left(\sum_{i=1}^n x_{Rij} \right) \left(\sum_{i=1}^n x_{Vij} \right)} + \sum_{i=n+1}^N \sqrt{x_{Rij} x_{Vij}} \right] \\ * \left[\left(\frac{1}{n-1} \right) \sum_{i=1}^n \sqrt{x_{Rij} x_{Vij}} (y_{Rij} - T_{Rj})(y_{Vij} - T_{Vj}) \right]$$

and,

x_{Rij} = the reported annual revenue for company i in sector j,

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

y_{Rij} = the reported monthly revenue for company i in sector j,

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

$$T_{Rj} = \frac{\sum_{i \in s} y_{Rij}}{\sum_{i \in s} x_{Rij}},$$

$$T_{Vj} = \frac{\sum_{i \in s} y_{Vij}}{\sum_{i \in s} x_{Vij}}.$$

The formula for calculating the standard error of price in equations 5a and 5b is derived after a suitable expansion that involves repeated applications of equations 8 and 9.

Table C1. Standard error for natural gas deliveries and price by consumers, by state, March 2019

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	1.8	1.1	1.4	1.1	0.12	0.05	0.05
Alaska	0.8	NA	0.0	NA	0.01	NA	0.00
Arizona	2.0	1.0	3.1	1.1	0.30	0.08	0.07
Arkansas	NA	NA	1.7	NA	0.02	0.01	0.06
California	0.9	0.5	0.7	0.5	0.26	0.19	0.48
Colorado	0.6	0.4	1.4	0.5	0.04	0.04	0.07
Connecticut	0.2	0.4	0.0	0.2	0.05	0.02	0.01
Delaware	0.0	0.0	0.0	0.0	0.00	NA	0.00
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	2.8	1.9	NA	NA	0.48	0.40	0.48
Georgia	0.0	0.0	0.8	0.0	0.01	0.06	0.13
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.4	0.5	0.0	0.2	0.01	0.00	0.00
Illinois	0.3	0.5	1.4	0.4	0.05	0.06	NA
Indiana	0.6	0.7	3.3	1.8	0.22	0.17	0.25
Iowa	1.0	0.7	0.7	0.5	0.11	0.09	0.21
Kansas	1.0	0.4	2.7	1.3	0.08	0.09	0.83
Kentucky	0.9	1.0	4.1	2.1	0.05	0.06	NA
Louisiana	0.7	1.3	1.6	1.5	0.35	0.27	0.11
Maine	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Maryland	0.1	0.9	1.3	0.4	0.02	0.05	0.00
Massachusetts	0.5	1.0	2.5	0.6	0.04	0.07	0.21
Michigan	0.5	0.7	1.5	0.5	0.06	0.09	0.05
Minnesota	2.4	0.8	3.6	1.5	0.06	0.04	0.05
Mississippi	0.5	0.7	5.5	3.8	0.11	0.06	0.25
Missouri	0.8	0.3	1.4	0.5	0.03	0.04	0.15
Montana	0.5	0.4	0.1	0.3	0.03	0.07	0.24
Nebraska	0.8	1.6	3.9	1.6	0.03	0.16	0.34
Nevada	0.0	0.0	0.0	0.0	0.00	0.00	0.04
New Hampshire	0.0	0.0	0.0	0.0	0.00	0.00	0.00
New Jersey	0.0	0.0	1.2	0.1	0.00	0.00	0.00
New Mexico	2.5	1.2	2.4	1.4	0.06	0.07	0.00
New York	0.0	0.0	3.4	0.0	0.05	0.04	0.19
North Carolina	0.3	0.6	0.9	0.4	0.11	0.11	NA
North Dakota	0.1	0.1	0.3	0.1	0.01	0.01	0.00
Ohio	0.0	0.0	1.0	0.0	0.02	0.02	0.34
Oklahoma	1.0	0.6	0.8	0.6	0.04	0.10	0.04
Oregon	0.0	0.0	1.1	0.4	0.00	0.00	0.00
Pennsylvania	0.6	0.6	NA	NA	0.12	0.12	0.17
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	2.0	2.1	1.3	1.0	0.24	0.16	0.11
South Dakota	0.4	0.2	2.1	1.1	0.03	0.01	NA
Tennessee	1.4	1.3	1.9	1.0	0.09	0.10	0.23
Texas	1.0	2.3	1.4	1.1	0.22	0.23	0.03
Utah	0.3	0.0	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	0.5	0.6	NA	NA	0.07	0.13	0.20
Washington	0.9	0.9	1.4	0.6	0.13	0.10	0.06
West Virginia	1.4	0.1	NA	NA	0.06	0.07	0.00
Wisconsin	1.1	1.6	1.0	0.7	0.04	0.02	0.05
Wyoming	0.4	0.7	4.8	2.7	0.02	0.02	0.06
Total	0.2	0.2	0.5	0.2	0.03	0.02	0.03

NA Not available.

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

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Glossary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nominal Dollars: A measure used to express nominal price.

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

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

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

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

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

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

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

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

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

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

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

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