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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 January 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.

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	R-10	R3,310
February	€2,724	€2,385	163	€2,222	6	-36	467	R42	R2,701
March	€3,048	€2,673	188	€2,485	6	-18	285	R15	R2,773
April	€2,960	€2,598	185	€2,413	5	-35	-32	R-14	R2,337
May	€3,082	€2,713	193	€2,521	5	-44	-423	R-11	R2,047
June	€2,955	€2,641	188	€2,453	6	-31	-349	R-29	R2,050
July	€3,108	€2,784	198	€2,585	5	-56	-186	R-1	R2,346
August	€3,180	€2,845	205	€2,640	6	-72	-235	R-28	R2,311
September	€3,135	€2,790	199	€2,591	6	R-85	-334	R-18	R2,159
October	€3,272	€2,909	206	€2,703	6	-88	-291	-53	2,276
November	RE3,233	RE2,855	R198	RE2,657	6	-124	205	R-55	2,689
December	RE3,352	RE2,955	200	RE2,755	5	R-104	R320	R-7	2,970
Total	RE37,008	RE32,734	2,295	RE30,439	68	R-691	R323	R-169	R29,970
2019									
January	€3,352	€2,951	204	€2,746	5	-69	709	-4	3,387

^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.

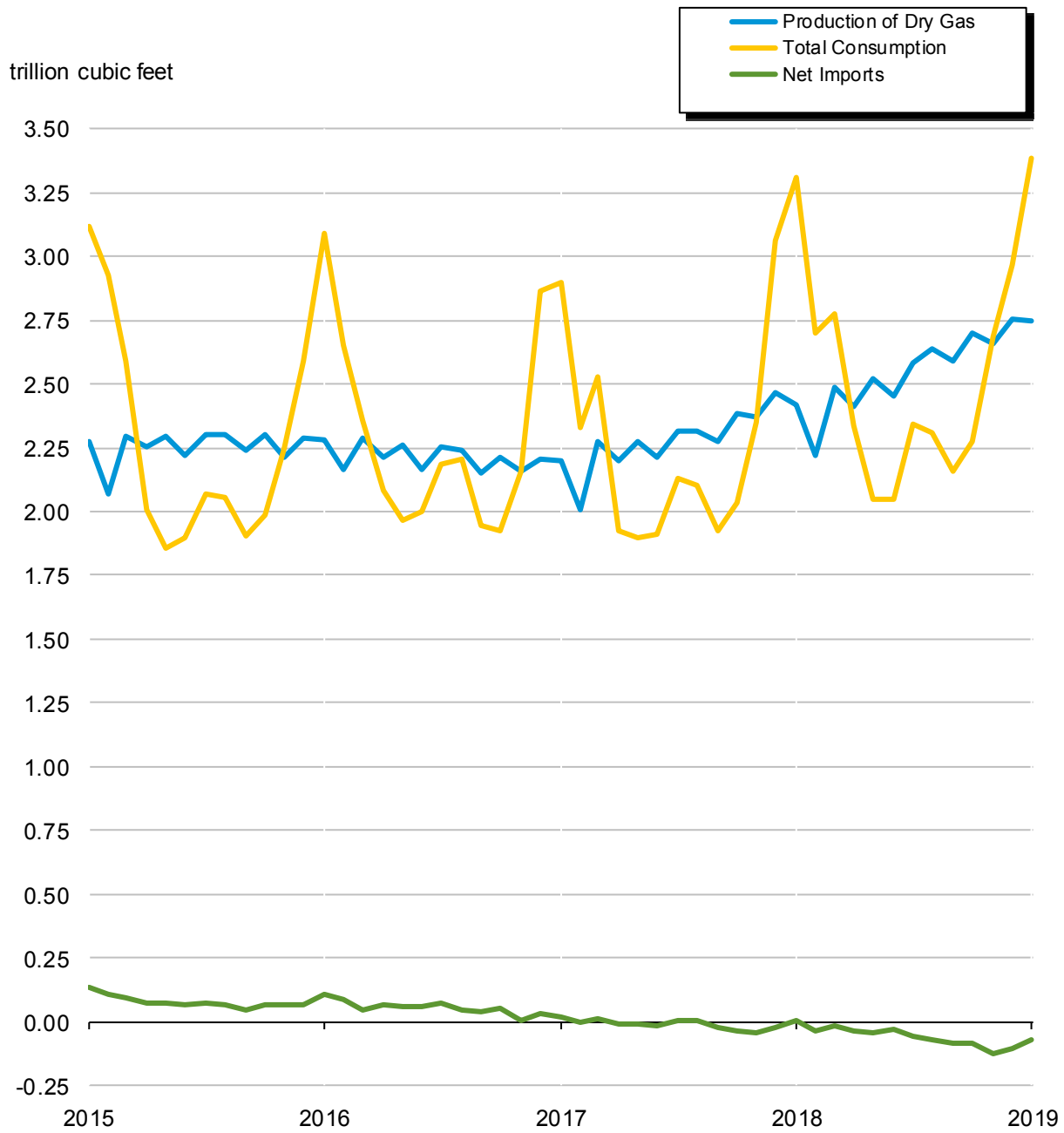
^{RE} Revised estimated data.

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, 2015-2019



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	£727	756	£4	£2,464	2,689	1,037
December	£158	£79	£770	£459	£756	744	£4	£2,732	2,970	1,038
Total	£1,754	£798	£4,982	£3,481	£8,287	10,626	£43	£27,418	£29,970	1,036
2019										
January	£158	£90	946	551	803	834	£4	3,138	3,387	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 down.

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

^R Revised data.

^E Estimated data.

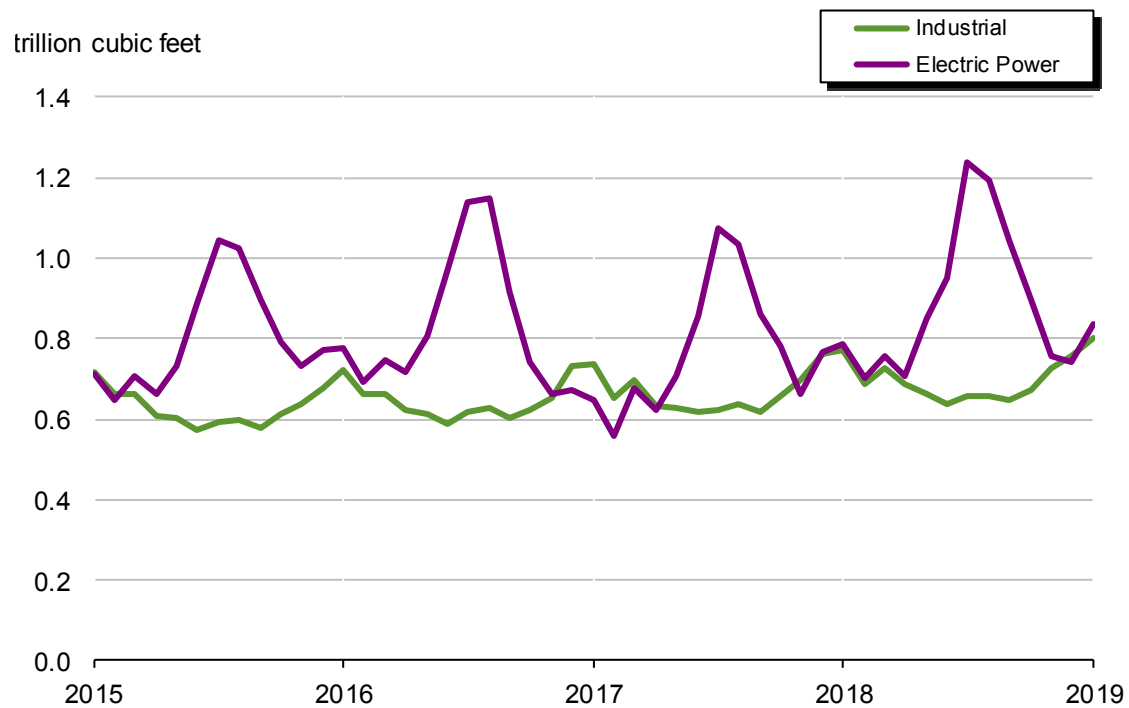
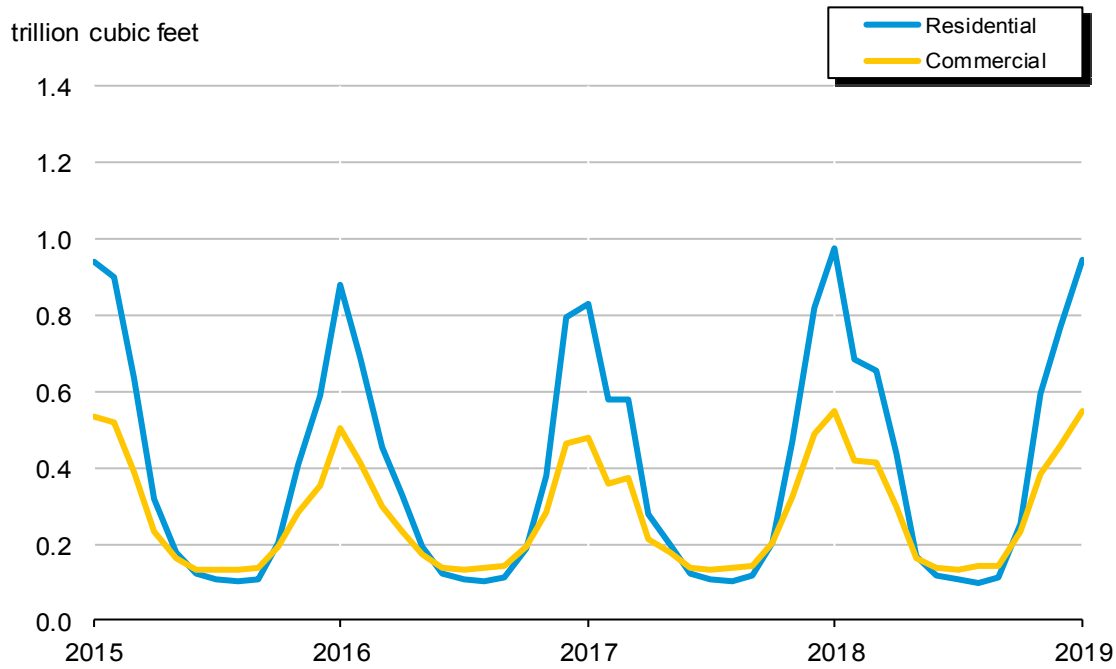
^{RE} Revised estimated data.

Notes: Data for 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, 2015-2019



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	17.32	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	4.74	9.63	96.2	7.77	68.8	5.46	14.3	4.89
Annual Average	8.20	3.16	4.21	10.53	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	70.0	5.04	13.3	4.16

^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.

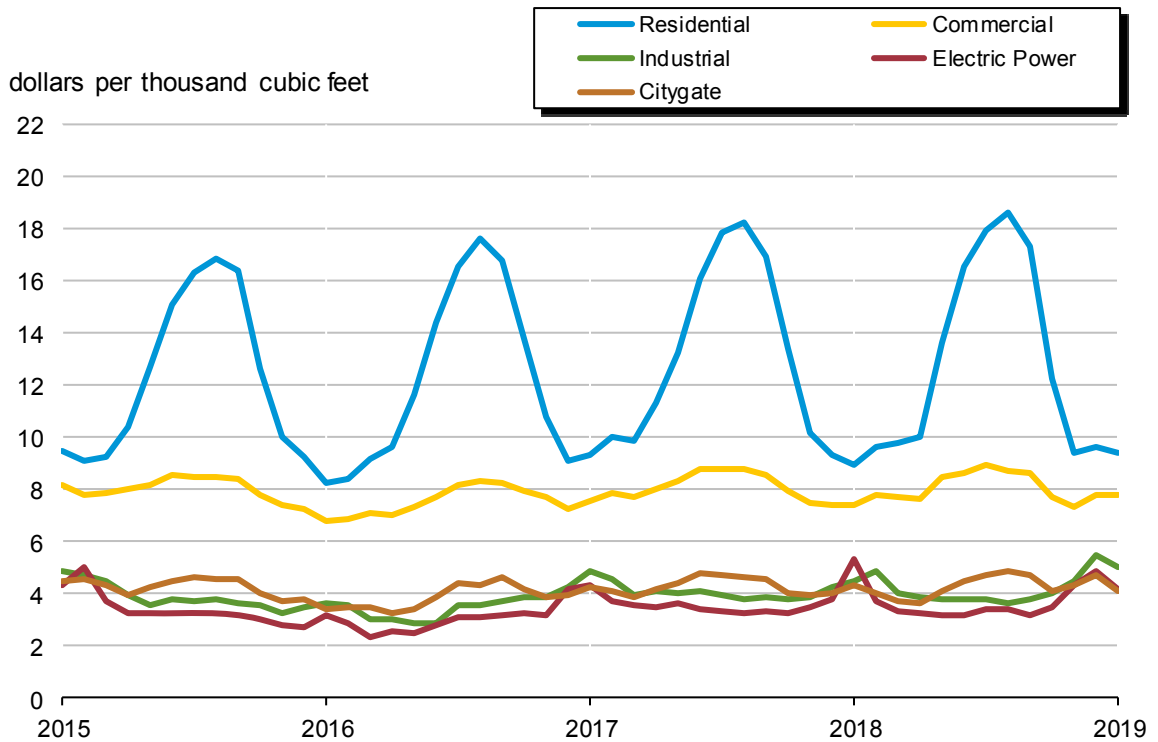
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^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.

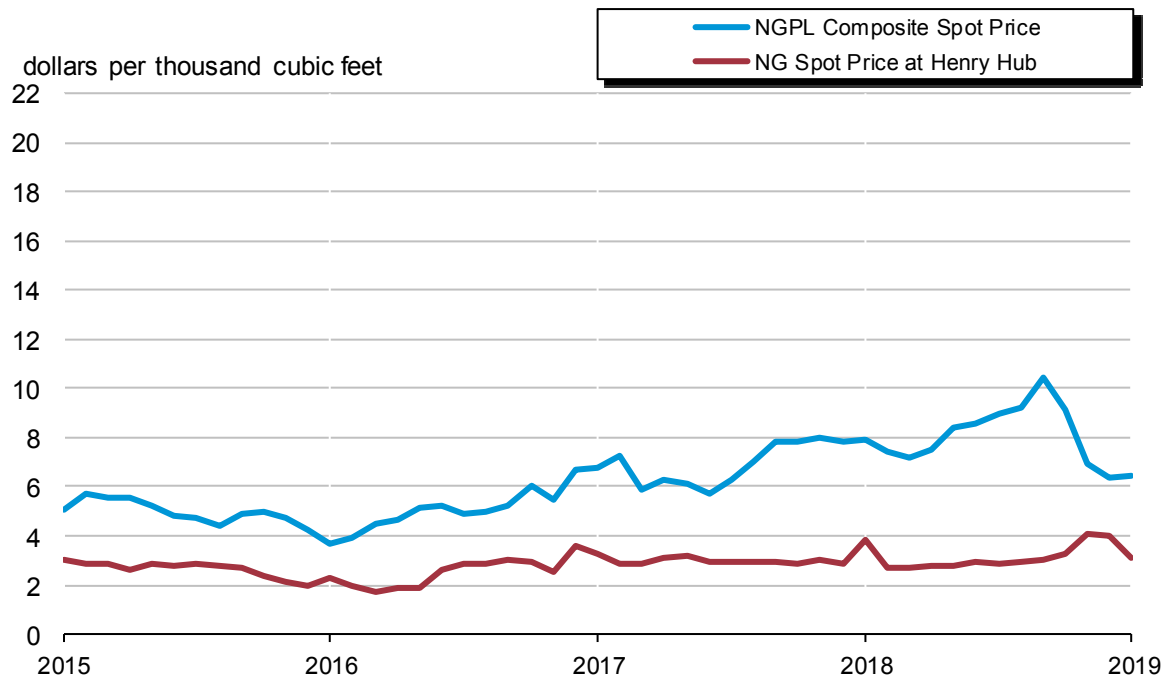
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2015-2019



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, 2015-2019



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			2018		
	January	Total	December	November	October	September
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	279,480	R2,833,804	R242,583	R210,102	211,115	R212,767
Mexico	67	3,316	66	79	69	68
Total Pipeline Imports	279,546	R2,837,120	R242,649	R210,181	211,183	R212,835
LNG						
By Truck						
Canada	78	1,885	53	70	379	194
By Vessel						
France	2,608	2,768	0	0	0	0
Nigeria	0	R2,860	R2,860	0	0	0
Norway	0	0	0	0	0	0
Trinidad/Tobago	11,748	65,819	11,859	2,734	5,696	2,961
United Kingdom	0	3,119	0	0	0	0
Total LNG Imports	14,434	R76,451	R14,771	2,805	6,075	3,154
CNG						
Canada	42	359	30	30	30	24
Total CNG Imports	42	359	30	30	30	24
Total Imports	294,022	R2,913,930	R257,450	R213,016	217,289	R216,013
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	3.55	2.57	R4.14	3.87	2.33	1.97
Mexico	3.55	4.34	4.87	2.98	2.43	3.13
Total Pipeline Imports	3.55	R2.58	R4.14	3.87	2.33	1.97
LNG						
By Truck						
Canada	7.08	8.51	7.20	8.44	9.64	8.36
By Vessel						
France	10.39	8.35	--	--	--	--
Nigeria	--	8.84	8.84	--	--	--
Norway	--	--	--	--	--	--
Trinidad/Tobago	9.14	6.01	8.60	10.76	5.66	4.80
United Kingdom	--	13.26	--	--	--	--
Total LNG Imports	9.35	R6.56	R8.64	10.70	5.90	5.02
CNG						
Canada	8.08	3.89	8.23	2.22	2.00	1.48
Total CNG Imports	8.08	3.89	8.23	2.22	2.00	1.48
Total Imports	4.29	R2.68	R4.89	4.10	2.59	2.09
Net Imports - Volume	-68,768	R-691,098	R-104,232	R-123,728	-88,342	R-85,299

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

	August	July	June	May	April	2018 March
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	233,057	242,492	227,313	226,355	240,552	267,653
Mexico	522	960	240	190	68	119
Total Pipeline Imports	233,579	243,452	227,553	226,545	240,620	267,773
LNG						
By Truck						
Canada	242	226	216	224	196	54
By Vessel						
France	0	0	0	0	0	2,768
Nigeria	0	0	0	0	0	0
Norway	0	0	0	0	0	0
Trinidad/Tobago	5,231	5,376	2,688	2,429	2,934	3,650
United Kingdom	0	0	0	0	0	0
Total LNG Imports	5,473	5,602	2,904	2,653	3,131	6,473
CNG						
Canada	23	28	28	27	39	42
Total CNG Imports	23	28	28	27	39	42
Total Imports	239,075	249,082	230,486	229,226	243,789	274,287
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.09	2.02	1.77	1.64	2.11	2.17
Mexico	5.49	5.32	2.63	2.22	2.10	2.65
Total Pipeline Imports	2.10	2.03	1.77	1.64	2.11	2.17
LNG						
By Truck						
Canada	8.32	8.32	8.18	8.27	8.30	7.94
By Vessel						
France	--	--	--	--	--	8.35
Nigeria	--	--	--	--	--	--
Norway	--	--	--	--	--	--
Trinidad/Tobago	3.50	3.53	4.33	4.27	4.33	6.08
United Kingdom	--	--	--	--	--	--
Total LNG Imports	3.72	3.72	4.62	4.61	4.57	7.07
CNG						
Canada	1.42	1.31	1.01	1.19	2.69	2.14
Total CNG Imports	1.42	1.31	1.01	1.19	2.69	2.14
Total Imports	2.22	2.15	1.86	1.73	2.20	2.45
Net Imports - Volume	R-71,880	-56,483	-30,824	-44,069	-35,463	-17,692

See footnotes at end of table.

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

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

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

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

	September	August	July	June	May	2017 April
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	226,738	239,935	245,212	234,061	238,753	232,998
Mexico	68	63	80	78	78	79
Total Pipeline Imports	226,806	239,997	245,292	234,140	238,831	233,077
LNG						
By Truck						
Canada	183	226	215	212	220	186
By Vessel						
France	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
Norway	0	0	0	0	0	0
Trinidad/Tobago	2,467	7,636	4,974	5,425	5,275	4,985
United Kingdom	0	0	0	0	0	0
Total LNG Imports	2,650	7,862	5,189	5,637	5,494	5,171
CNG						
Canada	25	28	27	29	28	31
Total CNG Imports	25	28	27	29	28	31
Total Imports	229,482	247,888	250,508	239,805	244,353	238,279
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.05	2.24	2.31	2.51	2.59	2.53
Mexico	2.64	2.31	2.62	2.77	2.62	2.64
Total Pipeline Imports	2.05	2.24	2.31	2.51	2.59	2.53
LNG						
By Truck						
Canada	8.66	8.69	8.78	8.91	8.88	8.49
By Vessel						
France	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--
Norway	--	--	--	--	--	--
Trinidad/Tobago	3.74	3.19	3.21	3.37	3.65	3.56
United Kingdom	--	--	--	--	--	--
Total LNG Imports	4.08	3.34	3.44	3.58	3.86	3.74
CNG						
Canada	0.82	0.97	1.19	1.64	1.86	1.76
Total CNG Imports	0.82	0.97	1.19	1.64	1.86	1.76
Total Imports	2.12	2.38	2.40	2.62	2.70	2.64
Net Imports - Volume	-20,798	969	2,080	-13,517	-9,511	-8,973

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		
	March	February	January
Imports			
Volume (million cubic feet)			
Pipeline			
Canada ^a	275,573	246,020	278,584
Mexico	83	74	83
Total Pipeline Imports	275,656	246,094	278,666
LNG			
By Truck			
Canada	8	8	18
By Vessel			
France	0	0	0
Nigeria	0	0	2,753
Norway	0	0	0
Trinidad/Tobago	4,870	8,468	10,183
United Kingdom	0	0	0
Total LNG Imports	4,878	8,477	12,955
CNG			
Canada	34	26	35
Total CNG Imports	34	26	35
Total Imports	280,567	254,597	291,656
Average Price (dollars per thousand cubic feet)			
Pipeline			
Canada	2.57	2.81	3.41
Mexico	2.27	2.94	3.29
Total Pipeline Imports	2.57	2.81	3.41
LNG			
By Truck			
Canada	7.05	7.22	9.12
By Vessel			
France	--	--	--
Nigeria	--	--	5.82
Norway	--	--	--
Trinidad/Tobago	4.34	6.39	5.48
United Kingdom	--	--	--
Total LNG Imports	4.35	6.39	5.56
CNG			
Canada	1.91	6.07	10.64
Total CNG Imports	1.91	6.07	10.64
Total Imports	2.68	3.14	3.75
Net Imports - Volume	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
	January	Total	December	November	October	September
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	87,211	R842,406	100,108	90,088	65,455	R71,056
Mexico	148,605	1,679,281	138,757	139,047	150,281	148,869
Total Pipeline Exports	235,816	R2,521,688	238,865	229,135	215,736	R219,925
LNG						
Exports						
By Vessel						
Argentina	0	27,560	0	0	0	0
Bahamas	11	137	14	13	12	12
Barbados	17	174	20	20	14	14
Brazil	0	35,645	0	0	0	0
Chile	0	41,186	3,276	3,676	0	3,675
China	6,856	93,649	3,598	6,627	7,269	0
Colombia	2,934	5,101	0	0	0	0
Dominican Republic	0	5,835	0	0	0	0
Egypt	0	6,554	0	0	0	0
France	7,303	18,291	3,453	9,991	4,846	0
Greece	0	3,722	3,722	0	0	0
India	7,030	57,634	7,156	0	7,131	5,910
Israel	0	3,270	0	0	0	0
Italy	10,502	17,390	6,137	0	4,785	6,468
Jamaica	0	1,303	0	1,303	0	0
Japan	14,027	122,358	13,977	20,659	3,017	16,698
Jordan	0	38,794	0	7,390	3,666	0
Kuwait	0	9,981	0	0	0	0
Lithuania	0	0	0	0	0	0
Malta	0	2,927	0	0	0	0
Mexico	14,310	182,246	10,610	6,794	7,076	10,559
Netherlands	0	12,188	0	2,949	3,071	2,915
Pakistan	0	12,956	0	0	0	0
Panama	0	6,786	3,268	0	0	0
Poland	9,762	3,231	0	3,231	0	0
Portugal	10,289	12,512	3,298	0	0	3,670
Singapore	0	3,679	3,679	0	0	0
South Korea	16,981	248,601	29,946	17,635	34,923	24,179
Spain	6,631	10,310	0	3,529	3,551	0
Taiwan	0	16,731	3,423	0	0	0
Thailand	0	0	0	0	0	0
Turkey	9,829	26,827	13,598	2,956	3,281	0
United Arab Emirates	0	3,638	0	0	0	3,638
United Kingdom	10,373	51,297	13,499	20,695	7,213	3,624
By Truck						
Canada	0	R19	R1	0	0	2
Mexico	104	587	121	115	31	17
Re-Exports						
By Vessel						
Argentina	0	0	0	0	0	0
Brazil	0	0	0	0	0	0
India	0	0	0	0	0	0
Mexico	0	0	0	0	0	0
Total LNG Exports	126,957	R1,083,118	R122,795	107,585	89,886	81,381
CNG						
Canada	16	223	22	24	9	6
Total CNG Exports	16	223	22	24	9	6
Total Exports	362,790	R3,605,028	R361,682	336,744	305,631	R301,312

See footnotes at end of table.

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

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

	August	July	June	May	April	2018 March
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	866,450	57,537	51,603	40,340	62,894	68,112
Mexico	152,965	149,766	136,142	138,128	130,644	132,301
Total Pipeline Exports	1,019,415	207,303	187,745	178,468	193,538	200,413
LNG						
Exports						
By Vessel						
Argentina	10,679	2,939	0	5,392	5,217	3,333
Bahamas	10	11	14	11	8	16
Barbados	13	10	10	13	8	13
Brazil	15,425	12,540	0	1,153	3,255	3,272
Chile	0	6,525	5,865	0	4,987	6,994
China	3,588	10,644	2,926	10,416	17,509	10,739
Colombia	867	1,521	1,113	0	1,599	0
Dominican Republic	2,992	0	0	1,023	0	1,821
Egypt	0	0	0	0	0	0
France	0	0	0	0	0	0
Greece	0	0	0	0	0	0
India	0	5,918	6,717	7,118	3,254	10,834
Israel	0	0	0	3,270	0	0
Italy	0	0	0	0	0	0
Jamaica	0	0	0	0	0	0
Japan	10,286	13,438	9,820	12,782	10,967	0
Jordan	3,677	0	3,201	10,572	3,293	3,694
Kuwait	3,485	0	0	6,496	0	0
Lithuania	0	0	0	0	0	0
Malta	0	2,927	0	0	0	0
Mexico	20,708	21,237	26,591	13,512	11,074	28,877
Netherlands	0	0	0	0	3,253	0
Pakistan	0	0	0	3,222	3,258	3,108
Panama	0	0	0	2,077	0	1,442
Poland	0	0	0	0	0	0
Portugal	2,296	0	0	0	0	0
Singapore	0	0	0	0	0	0
South Korea	17,467	14,040	13,994	17,735	17,996	11,079
Spain	0	3,230	0	0	0	0
Taiwan	0	3,234	3,268	0	0	0
Thailand	0	0	0	0	0	0
Turkey	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0
United Kingdom	0	0	0	0	0	6,267
By Truck						
Canada	0	0	0	0	1	0
Mexico	33	26	17	6	4	56
Re-Exports						
By Vessel						
Argentina	0	0	0	0	0	0
Brazil	0	0	0	0	0	0
India	0	0	0	0	0	0
Mexico	0	0	0	0	0	0
Total LNG Exports	91,526	98,240	73,535	94,797	85,684	91,542
CNG						
Canada	15	22	29	30	29	24
Total CNG Exports	15	22	29	30	29	24
Total Exports	1,034,955	305,565	261,309	273,295	279,252	291,979

See footnotes at end of table.

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

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

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

See footnotes at end of table.

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

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

	September	August	July	June	May	2017 April
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	69,823	66,342	59,760	66,725	63,949	80,532
Mexico	125,724	135,108	135,068	134,118	129,110	116,027
Total Pipeline Exports	195,548	201,450	194,828	200,844	193,058	196,559
LNG						
Exports						
By Vessel						
Argentina	0	0	0	2,949	3,192	10,135
Bahamas	0	0	0	0	0	0
Barbados	14	16	10	16	15	15
Brazil	3,364	0	3,642	0	3,676	0
Chile	0	0	3,256	3,657	0	5,894
China	10,056	0	7,218	0	3,514	0
Colombia	0	0	0	0	0	0
Dominican Republic	2,922	0	0	0	0	0
Egypt	0	3,317	3,464	0	0	0
France	0	0	0	0	0	0
Greece	0	0	0	0	0	0
India	0	0	0	3,413	0	0
Israel	0	0	0	0	0	0
Italy	0	3,372	0	3,120	0	0
Jamaica	0	0	0	0	0	0
Japan	0	3,614	0	3,683	3,667	7,398
Jordan	0	7,393	0	0	3,453	0
Kuwait	0	0	3,410	0	3,281	6,784
Lithuania	3,414	3,431	0	0	0	0
Malta	0	0	0	0	0	0
Mexico	10,286	6,860	14,432	24,763	10,023	13,730
Netherlands	0	0	0	0	3,042	0
Pakistan	0	0	0	0	0	0
Panama	0	0	0	0	0	0
Poland	0	0	0	0	3,440	0
Portugal	0	3,399	3,662	0	3,625	0
Singapore	0	0	0	0	0	0
South Korea	17,514	10,320	14,238	7,431	6,818	3,295
Spain	3,666	3,712	217	0	0	0
Taiwan	0	0	0	0	2,949	0
Thailand	0	0	0	0	0	0
Turkey	3,443	0	0	0	0	0
United Arab Emirates	0	0	0	0	10,062	3,347
United Kingdom	0	0	0	3,410	0	0
By Truck						
Canada	0	0	0	0	0	0
Mexico	53	33	44	19	26	70
Re-Exports						
By Vessel						
Argentina	0	0	0	0	0	0
Brazil	0	0	0	0	0	0
India	0	0	0	0	0	0
Mexico	0	0	0	0	0	0
Total LNG Exports	54,733	45,468	53,592	52,462	60,782	50,669
CNG						
Canada	0	1	8	16	23	24
Total CNG Exports	0	1	8	16	23	24
Total Exports	250,280	246,919	248,428	253,322	253,864	247,251

See footnotes at end of table.

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

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

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

See footnotes at end of table.

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

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

	2019					2018
	January	Total	December	November	October	September
Exports						
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	3.89	3.41	4.60	4.36	3.25	2.92
Mexico	3.41	3.30	4.24	3.64	3.29	3.00
Total Pipeline Exports	3.59	3.33	4.39	3.92	3.28	2.98
LNG						
Exports						
By Vessel						
Argentina	--	6.01	--	--	--	--
Bahamas	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
Brazil	--	6.05	--	--	--	--
Chile	--	4.33	5.63	3.61	--	3.46
China	6.16	4.48	5.63	6.64	3.61	--
Colombia	4.35	4.86	--	--	--	--
Dominican Republic	--	3.91	--	--	--	--
Egypt	--	3.27	--	--	--	--
France	3.94	7.03	7.47	7.02	6.72	--
Greece	--	7.62	7.62	--	--	--
India	6.60	5.02	6.64	--	5.23	4.76
Israel	--	6.48	--	--	--	--
Italy	6.00	6.45	7.79	--	6.72	4.99
Jamaica	--	6.92	--	6.92	--	--
Japan	7.98	6.87	8.42	6.34	7.91	7.13
Jordan	--	4.10	--	3.80	3.61	--
Kuwait	--	6.67	--	--	--	--
Lithuania	--	--	--	--	--	--
Malta	--	6.70	--	--	--	--
Mexico	4.63	4.70	5.04	6.92	5.22	4.40
Netherlands	--	6.61	--	6.83	6.72	6.58
Pakistan	--	5.60	--	--	--	--
Panama	--	5.46	5.63	--	--	--
Poland	7.00	7.12	--	7.12	--	--
Portugal	6.39	5.45	8.79	--	--	3.46
Singapore	--	5.63	5.63	--	--	--
South Korea	4.63	4.54	6.88	3.80	4.52	3.86
Spain	8.11	4.59	--	3.80	3.46	--
Taiwan	--	6.51	7.49	--	--	--
Thailand	--	--	--	--	--	--
Turkey	5.33	5.42	6.37	6.92	3.61	--
United Arab Emirates	--	3.46	--	--	--	3.46
United Kingdom	5.40	5.77	6.87	5.65	5.13	3.46
By Truck						
Canada	--	12.71	10.29	--	--	8.23
Mexico	9.58	8.52	9.30	9.31	7.30	7.62
Re-Exports						
By Vessel						
Argentina	--	--	--	--	--	--
Brazil	--	--	--	--	--	--
India	--	--	--	--	--	--
Mexico	--	--	--	--	--	--
Total LNG Exports	5.89	5.20	6.84	5.62	4.92	4.78
CNG						
Canada	10.05	4.69	11.62	4.40	3.50	2.98
Total CNG Exports	10.05	4.69	11.62	4.40	3.50	2.98
Total Exports	4.39	3.89	5.22	4.47	3.76	3.47

See footnotes at end of table.

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

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

	2018					
	August	July	June	May	April	March
Exports						
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.95	2.83	2.75	2.63	2.90	2.63
Mexico	3.21	3.03	3.03	3.09	3.01	3.00
Total Pipeline Exports	3.13	2.98	2.96	2.99	2.97	2.87
LNG						
Exports						
By Vessel						
Argentina	6.61	6.91	--	4.59	5.56	6.28
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39
Barbados	10.39	10.39	10.39	10.39	10.39	10.39
Brazil	5.79	5.90	--	6.48	6.33	7.46
Chile	--	6.77	3.44	--	4.76	3.15
China	3.38	3.53	6.56	4.31	3.67	4.20
Colombia	6.49	6.70	3.44	--	3.21	--
Dominican Republic	3.38	--	--	6.80	--	3.15
Egypt	--	--	--	--	--	--
France	--	--	--	--	--	--
Greece	--	--	--	--	--	--
India	--	6.83	3.44	3.37	6.33	5.22
Israel	--	--	--	6.48	--	--
Italy	--	--	--	--	--	--
Jamaica	--	--	--	--	--	--
Japan	8.25	6.86	6.34	7.11	4.95	--
Jordan	3.38	--	6.85	3.37	6.63	3.15
Kuwait	6.49	--	--	6.76	--	--
Lithuania	--	--	--	--	--	--
Malta	--	6.70	--	--	--	--
Mexico	5.04	4.06	4.58	5.47	3.98	4.32
Netherlands	--	--	--	--	6.33	--
Pakistan	--	--	--	6.63	6.33	6.28
Panama	--	--	--	6.80	--	3.15
Poland	--	--	--	--	--	--
Portugal	6.94	--	--	--	--	--
Singapore	--	--	--	--	--	--
South Korea	3.38	3.58	3.44	3.84	3.66	3.15
Spain	--	6.70	--	--	--	--
Taiwan	--	6.70	6.56	--	--	--
Thailand	--	--	--	--	--	--
Turkey	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--
United Kingdom	--	--	--	--	--	5.89
By Truck						
Canada	--	--	--	--	7.79	--
Mexico	9.81	8.80	7.04	7.18	6.40	8.03
Re-Exports						
By Vessel						
Argentina	--	--	--	--	--	--
Brazil	--	--	--	--	--	--
India	--	--	--	--	--	--
Mexico	--	--	--	--	--	--
Total LNG Exports	5.33	5.28	4.65	5.03	4.56	4.45
CNG						
Canada	2.89	2.88	2.63	2.75	4.29	3.48
Total CNG Exports	2.89	2.88	2.63	2.75	4.29	3.48
Total Exports	3.78	3.72	3.43	3.70	3.46	3.37

See footnotes at end of table.

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

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

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

See footnotes at end of table.

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

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

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

See footnotes at end of table.

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

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

	2017		
	March	February	January
Exports			
Average Price (dollars per thousand cubic feet)			
Pipeline			
Canada	3.01	3.22	3.85
Mexico	2.93	3.24	3.66
Total Pipeline Exports	2.97	3.23	3.74
LNG			
Exports			
By Vessel			
Argentina	--	--	--
Bahamas	--	--	--
Barbados	10.40	10.40	10.40
Brazil	--	--	--
Chile	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	--	7.18	6.65
Jordan	4.42	4.06	6.41
Kuwait	3.14	5.50	--
Lithuania	--	--	--
Malta	--	--	4.70
Mexico	5.25	6.40	7.15
Netherlands	--	--	--
Pakistan	3.14	--	--
Panama	--	--	--
Poland	--	--	--
Portugal	--	7.18	7.29
Singapore	--	--	--
South Korea	3.81	--	--
Spain	--	7.18	6.28
Taiwan	--	--	--
Thailand	3.14	--	--
Turkey	4.60	6.91	--
United Arab Emirates	--	--	--
United Kingdom	--	--	--
By Truck			
Canada	8.39	--	--
Mexico	8.64	9.97	9.66
Re-Exports			
By Vessel			
Argentina	--	--	--
Brazil	--	--	--
India	--	--	--
Mexico	--	--	--
Total LNG Exports	4.47	5.99	6.44
CNG			
Canada	3.32	7.73	12.97
Total CNG Exports	3.32	7.73	12.97
Total Exports	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."

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	RE47,594	£16,433	RE157,889	RE16,530	RE247,422	RE3,879	RE134,160	RE75,325	RE219,442
December	304,668	RE48,583	RE16,861	RE166,535	RE16,473	RE249,378	RE3,942	RE141,147	RE80,900	RE224,193
Total	3,254,747	RE594,714	RE199,189	RE1,830,589	RE203,226	RE2,829,271	RE46,253	RE1,524,065	RE856,247	RE2,385,109
2019										
January	310,279	£47,822	£16,567	£165,679	£16,532	£255,593	£4,049	£142,687	£83,267	£214,407

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	24,692	142,990	153,924	42,894	79,262	2,884,127
December	228,540	505,832	702,282	25,114	147,884	159,824	43,552	75,679	3,006,062
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	E227,286	E500,205	E682,935	E25,601	E141,628	E150,657	E42,447	E78,466	E2,959,321
February	E210,361	E461,491	E627,460	E23,088	E130,261	E134,640	E39,077	E73,749	E2,723,563
March	E240,653	E504,670	E705,295	E26,087	E146,465	E150,489	E44,572	E82,685	E3,048,056
April	E235,092	E491,030	E692,906	E25,100	E138,210	E145,180	E41,853	E74,284	E2,959,887
May	E243,974	E498,922	E739,934	E25,416	E150,963	E147,038	E43,201	E77,499	E3,081,754
June	E241,563	E493,551	E723,434	E24,670	E143,939	E137,975	E42,150	E78,100	E2,954,943
July	E252,810	E525,512	E759,558	E25,144	E143,239	E142,181	E42,429	E88,346	E3,108,098
August	E259,041	E534,949	E775,144	E25,149	E154,543	E142,891	E43,750	E93,447	E3,180,213
September	E253,105	E531,259	E755,750	E24,362	E152,942	E142,420	E41,651	E85,391	E3,134,786
October	E261,852	E555,294	E782,625	E24,739	E163,908	E145,903	E43,529	E82,288	E3,272,022
November	RE254,204	RE546,469	RE766,133	RE23,928	E163,643	RE139,623	E41,865	RE88,071	RE3,233,430
December	RE265,546	RE563,456	RE802,528	RE24,167	RE169,358	RE141,983	RE42,804	RE89,045	RE3,351,564
Total	RE2,945,488	RE6,206,807	RE8,813,701	RE297,452	RE1,799,097	RE1,720,980	RE509,326	RE991,374	RE37,007,637
2019									
January	E261,193	E575,448	E801,587	E23,472	E167,795	E133,219	E41,594	E90,932	E3,352,124

^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	RE47,594	£16,433	RE157,494	RE16,530	RE246,432	RE3,633	RE130,927	RE64,983	RE219,442
December	30,927	RE48,583	RE16,861	RE166,118	RE16,473	RE248,381	RE3,691	RE137,745	RE69,792	RE224,193
Total	341,381	RE594,714	RE199,189	RE1,826,012	RE203,226	RE2,817,954	RE43,311	RE1,487,335	RE738,684	RE2,385,109
2019										
January	30,504	£47,822	£16,567	£165,265	£16,532	£254,571	£3,792	£139,249	£71,834	£214,407

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	24,692	142,990	138,440	41,775	78,022	2,534,983
December	228,540	505,832	627,818	25,114	147,884	143,856	42,334	74,340	2,634,990
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	E227,286	E500,205	E609,451	E25,601	E141,628	E132,352	E41,326	E77,172	E2,586,405
February	E210,361	E461,491	E559,945	E23,088	E130,261	E118,281	E38,046	E72,532	E2,384,581
March	E240,653	E504,670	E629,405	E26,087	E146,465	E132,204	E43,395	E81,321	E2,672,927
April	E235,092	E491,030	E618,349	E25,100	E138,210	E127,541	E40,748	E73,059	E2,597,880
May	E243,974	E498,922	E660,317	E25,416	E150,963	E129,173	E42,060	E76,220	E2,713,435
June	E241,563	E493,551	E645,593	E24,670	E143,939	E121,211	E41,037	E76,811	E2,641,008
July	E252,810	E525,512	E677,830	E25,144	E143,239	E124,906	E41,309	E86,889	E2,783,615
August	E259,041	E534,949	E691,738	E25,149	E154,543	E125,530	E42,595	E91,905	E2,844,773
September	E253,105	E531,259	E674,431	E24,362	E152,942	E125,116	E40,551	E83,982	E2,790,030
October	E261,852	E555,294	E698,415	E24,739	E163,908	E128,176	E42,379	E80,930	E2,908,932
November	RE254,204	RE546,469	RE683,697	RE23,928	E163,643	RE122,659	E40,760	RE86,618	RE2,854,852
December	RE265,546	RE563,456	RE716,176	RE24,167	RE169,358	RE124,732	RE41,674	RE87,576	RE2,955,447
Total	RE2,945,488	RE6,206,807	RE7,865,347	RE297,452	RE1,799,097	RE1,511,881	RE495,880	RE975,016	RE32,733,886
2019									
January	E261,193	E575,448	E715,337	E23,472	E167,795	E117,033	E40,496	E89,432	E2,950,748

^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	^R -778	^R -29.6	489	66	-423
June	4,354	2,196	6,550	-711	-24.5	436	88	-349
July	^R 4,354	2,382	^R 6,736	-672	-22.0	362	175	-186
August	^R 4,355	^R 2,618	6,973	^R -632	-19.5	407	172	-235
September	4,356	2,951	^R 7,307	^R -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	^R 4,361	^R 2,709	^R 7,070	^R -324	^R -10.7	191	^R 511	^R 320
Total	--	--	--	--	--	3,676	^R3,999	^R323
2019								
January	4,365	1,995	6,360	-146	-6.8	95	804	709

^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.

^R Revised data.

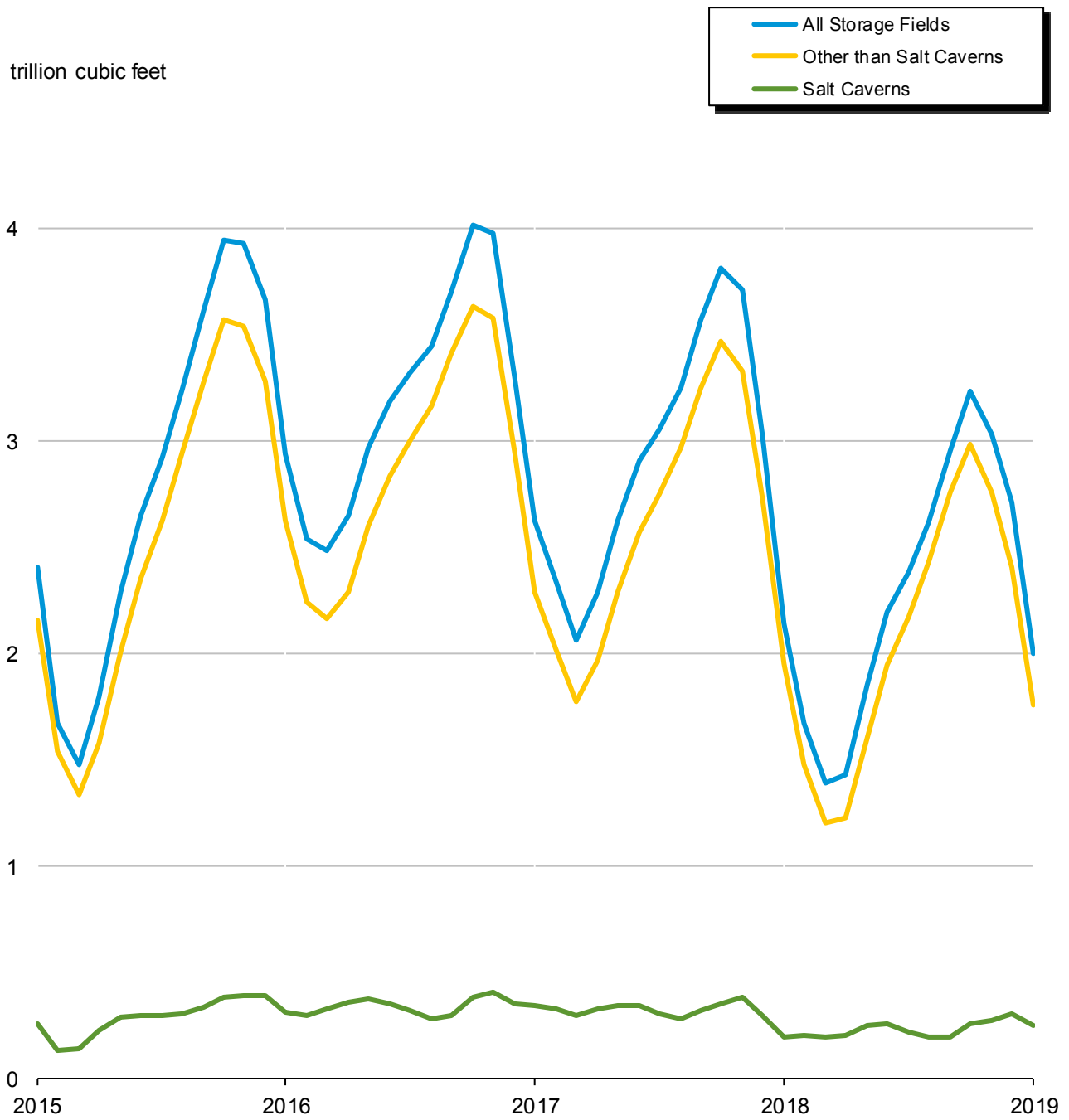
[–] Not applicable.

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 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, 2015-2019

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	R-778	R-29.6	489	66	-423
June	4,354	2,196	6,550	-711	-24.5	436	88	-349
July	R4,354	2,382	R6,736	-672	-22.0	362	175	-186
August	R4,355	R2,618	6,973	R-632	-19.5	407	172	-235
September	4,356	2,951	R7,307	R-616	-17.3	464	130	-334
October	4,357	3,237	7,594	-580	-15.2	422	131	-291
Total	--	--	--	--	--	R2,835	985	-1,850
2019 Heating Season								
November	4,356	3,031	7,387	-678	-18.3	213	418	205
December	R4,361	R2,709	R7,070	R-324	R-10.7	191	R511	R320
January	4,365	1,995	6,360	-146	-6.8	95	804	709

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

^R Revised data.

– Not applicable.

Notes: Data for 2016 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding.

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

^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	R1,599	5,755	R-685	-30.0	410	35	-376
June	R4,158	1,940	6,099	R-627	-24.4	387	44	-343
July	4,159	R2,168	R6,326	-583	-21.2	326	99	-228
August	4,159	2,430	R6,588	-541	-18.2	363	101	-262
September	4,160	2,760	6,920	R-489	-15.1	398	68	-330
October	4,162	2,982	7,144	-484	-14.0	316	86	R-229
November	4,161	2,760	6,921	R-571	-17.1	132	R353	221
December	R4,165	R2,404	R6,568	R-332	R-12.1	102	R457	R354
Total	--	--	--	--	--	2,864	R3,192	R327
2019								
January	4,170	1,752	5,921	-197	-10.1	50	696	646

^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					2018	
	January	Total	December	November	October	September	
Alabama	1,154	2,660	-4,038	-553	-3,424	3,736	
Alaska ^a	3,160	-896	1,678	376	-743	-1,536	
Arkansas	1,185	-654	763	779	-345	-522	
California	30,628	52,175	33,067	11,111	-365	-12,150	
Colorado	10,411	5,422	9,020	1,471	-2,840	-4,713	
Illinois	71,746	R-3,407	44,338	5,019	-43,390	-42,720	
Indiana	6,207	-279	3,094	497	-2,417	-3,720	
Iowa	18,111	2,874	18,169	8,860	-19,964	-19,504	
Kansas	24,030	-796	14,219	6,918	-8,986	-13,872	
Kentucky	18,947	10,209	6,435	5,196	-4,344	-9,599	
Louisiana	60,935	R58,314	10,719	22,799	-24,437	-20,246	
Maryland	3,137	-2,128	-346	288	-1,099	-652	
Michigan	138,813	43,376	58,969	44,138	-54,740	-65,317	
Minnesota	512	-274	22	10	-196	-279	
Mississippi	26,551	7,009	-13,517	825	-18,359	9,728	
Missouri	1,325	-816	-118	-124	-330	-244	
Montana	4,655	7,240	3,051	3,536	2,479	-2,451	
Nebraska	2,218	464	1,209	327	64	-1,400	
New Mexico	1,041	9,745	-302	-1,194	-2,223	-488	
New York	18,955	14,193	10,444	7,608	-4,921	-14,541	
Ohio	38,856	4,840	21,319	18,578	-7,023	-22,743	
Oklahoma	27,838	11,809	11,325	6,616	-14,498	-10,303	
Oregon	5,447	-955	3,090	-454	-725	-2,316	
Pennsylvania	80,114	17,829	35,891	25,911	-30,599	-54,224	
Tennessee	78	-35	138	59	23	2	
Texas	42,024	58,872	15,521	-3,988	-35,251	-12,209	
Utah	10,048	7,760	7,577	6,999	-2,699	-5,992	
Virginia	979	-973	-186	457	-1,094	-176	
Washington	5,673	-801	1,699	1,393	53	-2,437	
West Virginia	50,042	17,127	23,533	27,577	-7,429	-22,336	
Wyoming	3,680	R2,911	R3,553	R3,845	R-702	R-841	
Regions							
East Region	192,083	50,888	90,655	80,420	-52,163	-114,671	
South Central Region	183,717	R137,214	34,991	33,396	-105,300	-43,688	
Midwest Region	255,741	R51,647	131,047	63,655	-125,358	-141,382	
Mountain Region	32,052	R33,542	R24,109	R14,985	R-5,921	R-15,884	
Pacific Region	41,748	50,418	37,857	12,049	-1,037	-16,903	
Total Lower 48 States	705,341	R323,710	R318,659	R204,504	R-289,779	R-332,528	
U.S. Total	708,500	R322,814	R320,337	R204,880	R-290,521	R-334,064	

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018					
	August	July	June	May	April	March
Alabama	3,070	2,879	1,165	-3,590	-2,801	-2,192
Alaska ^a	-1,795	-1,862	-1,749	-856	25	1,020
Arkansas	-931	-793	-838	-917	-193	776
California	290	8,376	-18,473	-29,083	-18,639	10,696
Colorado	-5,997	-2,338	-6,154	-6,557	127	4,370
Illinois	-34,744	-28,754	-29,674	R-20,286	7,769	31,354
Indiana	-4,155	-2,826	-3,023	-1,240	542	3,497
Iowa	-15,538	-1,673	-1,593	-2,828	1,387	6,081
Kansas	-13,675	-12,141	-12,300	-12,254	-1,471	9,818
Kentucky	-4,460	-2,846	-5,514	-10,612	3,827	312
Louisiana	-4,409	7,158	-17,984	R-42,625	7,969	7,193
Maryland	-2,598	-2,904	-3,246	-1,661	654	1,983
Michigan	-74,298	-76,375	-75,997	-75,307	15,716	77,908
Minnesota	-269	-221	-162	6	112	175
Mississippi	11,902	13,724	-1,213	-15,259	-3,445	-2,922
Missouri	25	24	25	-345	321	98
Montana	-4,466	-4,171	-4,023	-4,084	-591	4,348
Nebraska	-839	-633	-887	-2,061	-472	1
New Mexico	1,475	3,751	93	-818	-258	1,785
New York	-9,405	-6,908	-8,007	-12,164	-952	14,822
Ohio	-25,825	-25,872	-25,869	-26,345	4,379	27,353
Oklahoma	-13,480	-5,348	-13,098	-17,878	-6,196	5,470
Oregon	431	-1,178	-2,824	-2,644	29	-261
Pennsylvania	-28,602	-39,628	-46,334	-50,138	858	60,784
Tennessee	-58	-82	-75	-96	-44	-30
Texas	28,939	26,147	-22,403	-37,196	-28,408	-15,104
Utah	-3,631	-4,035	-6,954	-8,576	-1,893	3,257
Virginia	214	74	-77	-607	-627	1,485
Washington	-2,448	1,854	-5,671	-4,561	-2,546	2,206
West Virginia	-28,124	-29,175	-33,562	-28,088	-6,014	28,590
Wyoming	R-1,932	-612	R-2,156	R-4,390	-936	136
Regions						
East Region	-94,340	-104,413	-117,095	-119,003	-1,702	135,016
South Central Region	11,415	31,626	-66,671	R-129,720	-34,545	3,039
Midwest Region	-133,497	-112,753	-116,013	R-110,707	29,630	119,395
Mountain Region	R-15,390	-8,038	R-20,081	R-26,486	-4,022	13,898
Pacific Region	-1,727	9,052	-26,969	-36,288	-21,156	12,640
Total Lower 48 States	R-233,540	-184,526	R-346,829	R-422,203	-31,796	283,988
U.S. Total	R-235,335	-186,388	R-348,578	R-423,060	-31,771	285,008

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018		Total	2017		
	February	January		December	November	October
Alabama	885	7,522	3,570	2,448	-1,237	-3,630
Alaska ^a	1,988	2,559	-3,585	1,309	1,622	-476
Arkansas	616	951	-629	1,220	397	-251
California	25,368	41,978	5,688	37,901	6,223	-4,453
Colorado	9,346	9,686	-309	13,278	-4,315	-582
Illinois	43,006	64,676	8,410	57,696	-333	-40,165
Indiana	4,115	5,357	-69	4,827	-1,525	-2,472
Iowa	9,545	19,932	329	20,539	6,240	-20,082
Kansas	19,645	23,304	6,142	22,474	-872	-5,986
Kentucky	8,578	23,235	15,130	15,659	3,170	-10,110
Louisiana	16,429	95,750	26,198	57,784	-10,494	-13,491
Maryland	2,961	4,492	-1,045	2,079	816	-533
Michigan	107,038	161,641	47,361	121,334	39,265	-34,646
Minnesota	290	238	248	298	-9	-232
Mississippi	-12,144	37,691	21,817	29,161	-4,909	-11,495
Missouri	-133	-15	248	864	-210	-217
Montana	6,469	7,142	2,360	7,373	3,931	-812
Nebraska	1,856	3,298	1,266	2,753	-232	-702
New Mexico	3,846	4,077	11,752	4,715	1,939	235
New York	15,424	22,793	-3,120	15,467	5,738	-10,854
Ohio	24,424	42,463	9,594	33,605	16,388	-3,490
Oklahoma	31,221	37,977	23,004	27,244	3,272	-9,766
Oregon	2,704	3,193	214	5,113	190	-705
Pennsylvania	53,807	90,102	9,738	61,182	20,680	-31,295
Tennessee	25	104	-45	68	5	-31
Texas	36,004	106,822	65,344	84,716	-11,751	-30,361
Utah	9,335	14,371	2,594	12,258	-177	-1,600
Virginia	-193	-243	912	1,051	-144	-40
Washington	6,762	2,896	1,133	4,053	-191	1,203
West Virginia	33,907	58,248	-5,627	43,252	13,698	-11,598
Wyoming	3,444	3,503	5,222	3,028	-1,194	1,188
Regions						
East Region	130,329	217,855	10,452	156,637	57,175	-57,810
South Central Region	92,655	310,017	145,446	225,046	-25,593	-74,980
Midwest Region	172,464	275,168	71,612	221,285	46,603	-107,955
Mountain Region	34,295	42,077	22,884	43,405	-48	-2,273
Pacific Region	34,834	48,067	7,035	47,067	6,222	-3,956
Total Lower 48 States	464,577	893,183	257,429	693,440	84,358	-246,975
U.S. Total	466,564	895,742	253,844	694,748	85,980	-247,451

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

State	2017		
	March	February	January
Alabama	1,420	-1,005	-254
Alaska ^a	1,572	1,409	2,213
Arkansas	772	66	418
California	-17,258	4,300	50,395
Colorado	1,199	4,859	10,983
Illinois	35,264	42,917	59,371
Indiana	2,040	3,067	5,972
Iowa	5,165	8,052	15,571
Kansas	5,246	2,192	18,823
Kentucky	5,772	7,787	16,622
Louisiana	22,982	11,892	22,579
Maryland	3,170	2,048	3,915
Michigan	63,573	47,176	108,702
Minnesota	342	450	321
Mississippi	6,585	1,802	10,041
Missouri	100	-20	163
Montana	1,137	4,042	7,075
Nebraska	-287	1,408	2,844
New Mexico	-2,779	1,321	4,466
New York	17,047	12,369	20,857
Ohio	27,859	22,619	36,350
Oklahoma	-5,893	3,193	35,389
Oregon	-2,364	606	4,500
Pennsylvania	70,898	54,306	82,560
Tennessee	-5	14	31
Texas	1,147	6,329	78,122
Utah	-518	5,334	11,889
Virginia	689	685	180
Washington	1,556	4,022	6,908
West Virginia	27,775	29,958	49,893
Wyoming	234	1,737	8,000
Regions			
East Region	147,438	121,986	193,754
South Central Region	32,259	24,469	165,118
Midwest Region	112,250	109,443	206,754
Mountain Region	-1,014	18,701	45,258
Pacific Region	-18,066	8,927	61,803
Total Lower 48 States	272,867	283,526	672,686
U.S. Total	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, January 2019
(volumes in million cubic feet)

State	Field Count	Total Storage Capacity	Working Gas Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
				Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	2	43,600	33,150	10,450	15,508	25,958	3,679	31.1	3,340	4,494
Alaska ^a	5	83,592	67,915	14,197	33,990	48,187	361	1.1	102	3,262
Arkansas	2	21,774	8,894	12,880	2,240	15,120	420	23.1	58	1,242
California	14	603,808	373,236	230,605	150,441	381,047	-40,871	-21.4	6,642	37,270
Colorado	10	140,407	72,554	60,327	28,381	88,708	-3,456	-10.9	2,448	12,859
Illinois	28	1,009,080	303,613	706,895	125,854	832,749	-3,920	-3.0	1,573	73,320
Indiana	21	113,761	33,109	80,740	16,711	97,451	-209	-1.2	42	6,250
Iowa	4	288,210	90,313	197,881	30,357	228,239	-1,038	-3.3	7	18,118
Kansas	16	282,986	122,982	163,835	52,698	216,533	-4,980	-8.6	2,330	26,360
Kentucky	22	221,695	107,596	112,818	43,888	156,706	-5,799	-11.7	420	19,368
Louisiana	19	740,003	449,282	283,323	190,419	473,742	-24,217	-11.3	24,630	85,565
Maryland	1	64,000	18,300	45,677	12,517	58,195	3,483	38.6	710	3,847
Michigan	44	1,071,608	683,820	386,911	300,074	686,986	-20,827	-6.5	3,042	141,855
Minnesota	1	7,000	2,000	4,848	1,600	6,448	-1	0.0	0	512
Mississippi	11	334,093	204,013	122,329	81,358	203,687	7,291	9.8	15,450	42,001
Missouri	1	13,845	3,656	10,189	1,663	11,852	-540	-24.5	78	1,403
Montana	4	376,225	197,477	179,613	11,659	191,272	-6,027	-34.1	45	4,700
Nebraska	1	34,850	12,653	22,197	5,527	27,724	575	11.6	0	2,218
New Mexico	2	89,100	59,738	29,362	22,366	51,728	-6,709	-23.1	1,000	2,041
New York	26	245,779	127,487	114,058	58,384	172,441	-10,614	-15.4	447	19,402
Ohio	24	575,794	253,750	321,358	95,353	416,711	-924	-1.0	276	39,132
Oklahoma	12	372,191	195,582	176,466	92,559	269,024	-2,292	-2.4	2,989	30,827
Oregon	7	29,565	15,935	12,639	8,353	20,992	-1,363	-14.0	0	5,447
Pennsylvania	49	763,296	427,601	335,253	198,263	533,516	-8,218	-4.0	5,473	85,587
Tennessee	2	2,400	1,800	878	1,215	2,092	58	5.0	0	78
Texas	35	845,081	545,640	293,771	261,717	555,488	7,073	2.8	20,266	62,289
Utah	3	124,509	54,942	69,508	19,805	89,313	-3,439	-14.8	243	10,292
Virginia	2	9,500	5,400	4,100	3,870	7,970	-250	-6.1	877	1,857
Washington	1	46,900	24,600	22,300	13,631	35,931	-1,696	-11.1	663	6,336
West Virginia	31	530,837	268,624	262,545	98,904	361,450	-8,857	-8.2	1,792	51,834
Wyoming	9	155,995	74,653	77,125	15,733	92,859	-12,524	-44.3	200	3,880
Regions										
East Region	133	2,189,206	1,101,162	1,082,992	467,292	1,550,283	-25,379	-5.2	9,575	201,659
South Central Region	97	2,639,728	1,559,542	1,063,053	696,498	1,759,551	-13,025	-1.8	69,061	252,778
Midwest Region	123	2,727,598	1,225,906	1,501,161	521,364	2,022,525	-32,275	-5.8	5,163	260,903
Mountain Region	29	921,086	472,017	438,133	103,471	541,604	-31,580	-23.4	3,937	35,989
Pacific Region	22	680,273	413,771	265,544	172,426	437,970	-43,930	-20.3	7,304	49,053
Total Lower 48 States	404	9,157,890	4,772,398	4,350,883	1,961,051	6,311,933	-146,190	-6.9	95,040	800,381
U.S. Total	409	9,241,483	4,840,313	4,365,080	1,995,041	6,360,121	-145,828	-6.8	95,142	803,643

^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
	January	Total	December	November	October	September
Alabama	7,817	35,026	6,221	4,165	1,024	664
Alaska	2,804	18,587	2,609	2,094	1,318	754
Arizona	8,349	35,043	5,771	3,161	1,669	1,130
Arkansas	7,378	32,778	5,218	3,820	1,197	593
California	67,175	NA	63,860	38,605	22,816	19,331
Colorado	23,408	R133,446	R23,775	R16,632	R8,974	R3,264
Connecticut	10,215	53,100	7,970	6,068	2,515	1,052
Delaware	2,482	NA	1,740	1,202	373	167
District of Columbia	2,128	12,438	1,983	1,529	501	250
Florida	2,414	16,954	1,978	1,183	848	834
Georgia	25,246	132,751	21,345	17,131	6,303	3,884
Hawaii	58	590	49	47	44	45
Idaho	4,861	27,111	5,079	3,739	1,726	734
Illinois	85,078	435,421	63,233	57,572	23,343	8,018
Indiana	29,778	143,773	21,660	19,405	7,255	2,470
Iowa	14,259	69,576	10,411	8,799	3,675	1,270
Kansas	13,997	R69,351	R11,009	R9,516	R3,302	R1,484
Kentucky	10,656	51,210	7,764	6,900	2,545	852
Louisiana	7,772	39,149	6,155	4,531	1,776	1,320
Maine	563	3,020	483	378	168	60
Maryland	16,290	NA	12,788	10,157	3,467	1,553
Massachusetts	22,742	130,084	18,840	13,850	5,119	2,640
Michigan	66,153	336,215	49,585	43,481	22,202	6,189
Minnesota	26,879	NA	20,633	17,589	9,150	2,857
Mississippi	4,636	24,453	4,123	3,071	934	493
Missouri	23,493	114,010	18,239	16,228	5,272	1,744
Montana	3,501	NA	3,355	2,665	1,680	465
Nebraska	7,617	R42,428	R6,377	R4,878	R2,116	R687
Nevada	8,349	41,094	6,806	3,980	1,995	1,383
New Hampshire	1,561	7,745	1,258	1,000	257	170
New Jersey	44,336	238,504	35,463	25,260	11,001	4,694
New Mexico	7,264	NA	6,487	NA	1,811	835
New York	89,940	475,539	67,676	54,825	22,820	10,494
North Carolina	15,222	74,354	13,131	10,643	2,447	992
North Dakota	2,537	NA	1,976	1,746	1,027	211
Ohio	52,895	301,534	51,653	39,632	16,770	4,990
Oklahoma	14,035	66,143	11,620	8,731	1,827	1,173
Oregon	7,377	42,767	7,270	5,406	2,648	1,238
Pennsylvania	52,967	253,132	38,049	30,868	12,525	4,405
Rhode Island	3,803	19,804	2,982	2,370	1,233	364
South Carolina	6,556	31,634	6,016	4,076	925	488
South Dakota	2,560	NA	2,106	1,503	923	210
Tennessee	15,490	R74,326	R13,105	R8,527	R2,018	1,156
Texas	43,035	NA	35,193	22,391	7,811	4,974
Utah	12,884	68,310	12,307	9,025	4,602	1,668
Vermont	742	3,933	570	420	175	84
Virginia	17,578	NA	R14,102	8,730	3,401	1,636
Washington	13,272	83,000	13,065	9,984	6,078	2,605
West Virginia	5,079	NA	4,043	3,158	1,321	350
Wisconsin	28,737	142,766	20,150	18,426	8,674	2,914
Wyoming	2,224	14,604	R2,685	R1,712	R953	282
Total	946,194	R4,982,036	R769,968	R595,468	R254,554	R112,119

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018					
	August	July	June	May	April	March
Alabama	708	682	732	1,127	2,525	3,762
Alaska	590	500	672	1,031	1,481	2,217
Arizona	1,047	1,120	1,326	1,729	2,402	4,675
Arkansas	554	501	626	931	2,509	4,139
California	NA	19,967	22,008	27,006	32,336	53,606
Colorado	R2,777	R2,611	R2,738	R5,767	R10,144	R14,335
Connecticut	951	1,066	1,325	1,965	5,285	7,422
Delaware	166	166	185	345	1,091	1,944
District of Columbia	271	266	253	358	943	1,830
Florida	752	811	984	1,146	1,564	1,732
Georgia	4,087	3,917	3,984	4,710	8,852	15,677
Hawaii	47	46	50	49	52	52
Idaho	567	548	656	801	1,876	3,174
Illinois	7,334	7,470	8,923	12,347	43,614	54,873
Indiana	2,103	2,203	2,006	3,676	13,606	19,900
Iowa	1,056	934	1,157	1,788	6,942	8,491
Kansas	R1,158	R1,062	R1,371	R1,739	R6,017	R7,368
Kentucky	748	696	755	1,214	4,207	6,877
Louisiana	1,121	1,210	1,245	1,579	2,436	3,112
Maine	54	49	74	114	271	386
Maryland	1,474	1,568	1,870	NA	7,407	13,780
Massachusetts	2,360	2,482	2,830	4,480	12,311	18,621
Michigan	6,046	5,269	5,752	9,052	34,058	46,850
Minnesota	2,485	2,218	2,930	NA	13,499	17,200
Mississippi	560	513	498	680	1,573	2,284
Missouri	1,662	1,666	1,787	2,294	10,125	13,547
Montana	382	357	550	854	1,861	NA
Nebraska	R609	R768	R791	R1,546	R4,220	R5,060
Nevada	1,134	1,234	1,583	1,967	2,839	5,622
New Hampshire	149	136	172	227	731	1,089
New Jersey	4,311	4,764	5,911	7,617	22,887	36,896
New Mexico	876	814	809	1,130	2,088	4,537
New York	9,705	10,830	12,261	18,783	47,627	67,187
North Carolina	959	937	1,152	1,326	4,561	11,140
North Dakota	186	170	255	650	1,340	NA
Ohio	4,620	4,674	4,586	5,877	29,426	42,110
Oklahoma	1,101	1,046	1,145	1,663	5,430	6,380
Oregon	900	948	1,303	1,523	3,495	5,426
Pennsylvania	4,135	4,179	4,554	6,551	23,138	38,942
Rhode Island	379	372	413	459	1,888	2,925
South Carolina	497	476	503	727	1,928	3,931
South Dakota	192	205	247	617	1,415	NA
Tennessee	943	1,086	1,130	2,499	6,231	8,263
Texas	4,833	4,693	5,206	7,939	12,998	23,771
Utah	1,574	1,616	2,057	2,342	4,522	9,459
Vermont	72	80	109	179	423	516
Virginia	1,519	1,674	1,562	2,274	6,645	13,630
Washington	1,567	2,002	2,424	2,812	7,275	11,037
West Virginia	299	332	388	NA	2,457	4,273
Wisconsin	2,309	2,297	2,626	3,977	14,904	18,237
Wyoming	R226	R241	R352	R672	R1,365	R1,904
Total	R99,353	R105,472	R118,828	R168,232	R438,820	R656,263

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		
	February	January	Total	December	November	October
Alabama	3,781	9,635	26,430	6,211	2,650	1,193
Alaska	2,618	2,705	20,247	2,525	2,613	1,579
Arizona	5,213	5,801	32,821	4,272	2,133	1,502
Arkansas	4,958	7,731	25,704	5,713	2,542	931
California	55,061	58,044	431,005	62,531	33,949	23,669
Colorado	20,333	22,095	118,582	21,054	12,514	8,690
Connecticut	6,900	10,580	48,431	8,288	4,790	1,430
Delaware	1,533	NA	9,896	2,007	953	249
District of Columbia	1,720	2,532	11,904	2,383	934	410
Florida	2,038	3,084	14,934	1,816	1,226	924
Georgia	12,223	30,637	111,248	22,315	12,094	6,722
Hawaii	51	58	572	50	47	43
Idaho	4,018	4,191	28,799	5,273	3,069	2,147
Illinois	64,644	84,051	377,511	69,482	44,367	17,811
Indiana	19,981	29,508	123,847	26,461	14,435	5,553
Iowa	11,176	13,877	60,362	11,284	6,654	2,952
Kansas	11,405	13,921	54,445	10,772	6,674	2,239
Kentucky	6,626	12,026	43,253	9,945	5,305	2,019
Louisiana	4,179	10,485	29,060	6,251	2,659	1,536
Maine	403	581	2,748	520	264	85
Maryland	11,424	17,860	75,789	15,141	8,718	2,426
Massachusetts	21,038	25,513	121,181	22,904	12,151	4,115
Michigan	45,396	62,334	299,158	58,028	37,037	14,512
Minnesota	23,096	26,700	123,898	22,061	15,032	6,526
Mississippi	2,613	7,110	18,446	4,142	1,988	882
Missouri	16,785	24,661	86,865	19,244	10,363	2,311
Montana	3,510	3,568	21,481	3,627	2,535	1,587
Nebraska	7,121	8,255	34,069	5,967	3,973	1,404
Nevada	6,015	6,537	40,911	6,316	2,973	2,035
New Hampshire	998	1,557	7,331	1,428	787	257
New Jersey	30,408	49,292	221,608	43,095	21,617	8,807
New Mexico	4,758	6,414	29,993	5,444	2,871	1,517
New York	63,551	89,778	432,451	75,715	42,655	15,453
North Carolina	7,984	19,084	59,933	14,460	8,039	2,110
North Dakota	2,132	2,285	11,015	1,938	1,388	669
Ohio	38,429	58,768	258,699	53,080	30,997	12,214
Oklahoma	11,560	14,467	51,069	11,996	4,925	1,511
Oregon	6,356	6,253	47,841	8,213	5,325	3,149
Pennsylvania	33,318	52,469	218,719	42,298	22,852	7,875
Rhode Island	2,433	3,986	18,421	3,485	2,051	628
South Carolina	3,278	8,789	24,558	5,845	2,976	835
South Dakota	2,254	2,552	12,146	2,176	1,283	684
Tennessee	9,910	19,458	56,661	14,083	6,831	1,899
Texas	33,600	NA	164,140	25,645	13,224	7,772
Utah	8,505	10,634	66,700	13,023	6,973	4,527
Vermont	561	744	3,509	587	301	111
Virginia	11,173	NA	76,904	16,077	8,094	2,857
Washington	11,997	12,154	91,028	14,960	10,582	6,464
West Virginia	3,671	5,563	22,385	4,473	2,611	1,014
Wisconsin	22,356	25,896	131,018	25,210	15,334	6,281
Wyoming	2,064	2,150	12,553	1,801	1,281	951
Total	687,157	975,802	4,412,282	821,617	467,638	205,068

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

State	2017		
	March	February	January
Alabama	3,187	3,240	4,864
Alaska	2,666	2,521	3,189
Arizona	3,702	5,836	6,656
Arkansas	2,951	3,376	5,740
California	40,608	53,982	83,530
Colorado	11,822	14,666	22,721
Connecticut	7,844	7,199	8,549
Delaware	1,689	1,397	1,951
District of Columbia	1,796	1,679	2,348
Florida	1,600	1,725	1,958
Georgia	12,818	12,389	18,065
Hawaii	52	52	58
Idaho	2,669	3,829	6,199
Illinois	52,091	47,489	72,039
Indiana	17,157	15,348	23,505
Iowa	8,061	8,381	12,010
Kansas	6,451	6,663	12,341
Kentucky	5,648	5,597	8,265
Louisiana	2,699	2,906	4,928
Maine	426	395	447
Maryland	11,443	11,029	14,139
Massachusetts	20,221	16,531	19,515
Michigan	42,976	38,428	52,022
Minnesota	16,657	16,507	23,423
Mississippi	2,153	2,110	3,417
Missouri	10,298	10,986	18,940
Montana	2,231	2,978	4,211
Nebraska	4,156	4,681	7,563
Nevada	4,396	6,256	8,578
New Hampshire	1,184	999	1,235
New Jersey	34,080	30,427	39,764
New Mexico	2,973	4,196	6,024
New York	68,055	60,346	72,953
North Carolina	8,165	7,129	11,944
North Dakota	1,475	1,577	2,126
Ohio	37,454	33,242	46,946
Oklahoma	4,756	6,446	11,789
Oregon	5,136	6,406	9,534
Pennsylvania	33,755	30,971	39,961
Rhode Island	3,126	2,513	2,961
South Carolina	3,265	2,916	4,779
South Dakota	1,538	1,668	2,485
Tennessee	6,888	7,217	11,248
Texas	16,020	22,128	39,036
Utah	5,704	7,427	13,980
Vermont	570	507	556
Virginia	11,067	10,403	15,380
Washington	10,426	12,453	16,844
West Virginia	3,489	3,117	4,081
Wisconsin	18,653	17,252	23,539
Wyoming	1,520	1,797	2,344
Total	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	
	January	Total	December	November	October	September	
Alabama	4,795	27,209	3,743	3,610	1,748	1,096	
Alaska	NA	NA	NA	1,503	988	633	
Arizona	4,891	NA	4,424	3,363	2,385	2,006	
Arkansas	7,890	54,112	6,406	5,530	3,999	2,957	
California	27,518	248,307	28,661	23,120	20,397	16,883	
Colorado	9,710	57,793	9,582	6,748	4,034	1,704	
Connecticut	8,951	58,655	7,377	6,390	4,237	2,698	
Delaware	2,475	NA	2,004	NA	1,239	786	
District of Columbia	2,440	NA	1,964	1,733	1,239	654	
Florida	6,590	63,260	6,166	5,180	4,639	4,630	
Georgia	9,969	56,285	8,446	6,882	3,113	2,105	
Hawaii	237	2,602	217	212	220	205	
Idaho	2,925	18,860	2,880	2,183	1,479	925	
Illinois	40,543	242,293	30,946	26,594	15,989	8,860	
Indiana	16,158	86,031	11,711	10,292	5,996	2,823	
Iowa	9,677	55,779	7,374	6,661	3,883	1,764	
Kansas	6,321	41,287	5,869	4,415	2,832	1,802	
Kentucky	6,836	37,923	5,103	4,708	2,419	1,214	
Louisiana	4,527	32,448	3,639	3,857	2,610	2,195	
Maine	1,638	NA	1,379	1,177	678	327	
Maryland	11,473	NA	9,219	8,075	6,085	3,534	
Massachusetts	19,666	116,485	15,213	14,072	6,729	4,353	
Michigan	30,249	185,911	25,933	20,117	11,323	5,047	
Minnesota	18,443	112,006	15,185	12,151	7,490	3,309	
Mississippi	3,026	19,782	2,591	2,327	1,361	872	
Missouri	11,990	68,931	9,406	7,848	3,962	2,284	
Montana	3,523	25,695	3,459	2,760	1,818	1,144	
Nebraska	5,462	34,633	4,634	3,785	2,226	1,238	
Nevada	4,499	32,467	4,126	3,161	2,268	1,856	
New Hampshire	1,890	9,702	1,495	1,260	432	278	
New Jersey	24,647	160,474	21,505	15,957	8,425	5,437	
New Mexico	4,455	NA	NA	3,568	2,233	1,069	
New York	51,777	325,099	39,678	36,464	23,058	15,264	
North Carolina	9,684	59,412	7,706	6,840	4,052	2,379	
North Dakota	2,729	NA	2,224	2,006	1,217	369	
Ohio	29,996	177,893	27,458	21,310	11,423	5,183	
Oklahoma	8,366	46,914	7,063	5,386	2,487	1,612	
Oregon	4,498	NA	4,427	3,255	1,970	1,187	
Pennsylvania	33,497	166,747	22,183	18,836	11,110	5,447	
Rhode Island	2,301	12,252	1,832	1,416	783	298	
South Carolina	3,741	25,308	2,910	2,925	1,918	1,219	
South Dakota	2,111	NA	1,812	1,410	860	334	
Tennessee	10,551	NA	8,117	6,675	3,514	2,348	
Texas	25,660	186,550	21,919	19,242	12,074	10,369	
Utah	7,209	NA	7,086	5,224	3,052	1,356	
Vermont	1,129	7,283	984	890	620	388	
Virginia	11,566	NA	9,357	7,070	5,385	3,286	
Washington	7,922	56,728	7,634	6,009	4,230	2,567	
West Virginia	3,710	24,832	3,096	2,737	1,619	995	
Wisconsin	16,860	98,482	13,186	11,636	6,388	3,161	
Wyoming	1,940	15,339	2,352	1,584	951	444	
Total	550,783	3,480,553	458,590	381,851	235,183	144,893	

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018					
	August	July	June	May	April	March
Alabama	1,189	1,134	1,126	1,168	1,946	2,874
Alaska	556	436	590	816	1,192	1,731
Arizona	2,073	2,128	NA	NA	NA	NA
Arkansas	2,994	2,754	2,740	3,002	4,298	5,509
California	16,418	15,526	16,161	17,545	18,752	25,318
Colorado	R1,676	R1,547	1,712	2,697	4,486	6,143
Connecticut	2,792	2,594	2,452	2,635	5,299	6,834
Delaware	776	697	693	700	1,224	NA
District of Columbia	857	727	824	642	1,195	1,894
Florida	4,487	4,537	4,840	5,031	5,394	5,942
Georgia	2,162	2,153	2,142	2,438	3,966	6,379
Hawaii	226	223	212	209	216	214
Idaho	765	705	753	799	1,304	2,058
Illinois	8,663	8,614	8,506	10,265	23,102	28,329
Indiana	2,313	2,295	2,217	3,089	7,537	10,808
Iowa	1,720	1,620	1,846	2,244	5,094	6,280
Kansas	R1,881	R1,678	R1,714	R1,779	R3,614	R3,885
Kentucky	1,083	1,020	1,012	1,347	3,000	4,647
Louisiana	2,029	1,890	1,885	2,006	2,472	2,762
Maine	NA	NA	328	418	843	1,170
Maryland	3,654	3,416	3,937	NA	6,514	9,836
Massachusetts	4,020	3,633	3,964	4,262	10,187	14,962
Michigan	5,936	5,325	5,435	8,645	18,479	24,178
Minnesota	2,869	2,892	3,219	4,689	R10,913	13,400
Mississippi	942	859	864	925	1,396	1,805
Missouri	2,136	2,083	2,137	2,605	6,133	8,054
Montana	907	731	824	1,215	2,301	3,266
Nebraska	R1,124	R1,255	R1,251	R1,689	R3,199	R3,760
Nevada	1,717	1,723	1,899	2,198	2,569	3,595
New Hampshire	238	213	256	291	858	1,312
New Jersey	5,952	6,036	6,060	6,819	16,093	21,624
New Mexico	1,163	847	1,057	1,215	1,486	2,934
New York	14,844	14,812	14,359	14,732	28,745	38,731
North Carolina	2,190	2,149	2,069	2,391	4,746	8,010
North Dakota	343	311	394	NA	1,505	NA
Ohio	5,065	4,709	5,007	4,823	16,057	23,485
Oklahoma	1,581	1,465	1,582	1,832	3,724	4,474
Oregon	1,000	976	1,264	1,370	2,389	3,507
Pennsylvania	5,213	4,920	5,133	5,367	14,353	24,385
Rhode Island	276	281	280	303	1,142	1,818
South Carolina	1,290	1,259	1,330	1,472	1,734	3,033
South Dakota	295	299	345	NA	1,232	NA
Tennessee	2,111	2,243	2,309	2,853	4,762	NA
Texas	10,022	8,963	9,446	11,724	13,691	19,350
Utah	1,222	1,284	1,483	NA	2,899	5,701
Vermont	360	349	349	259	617	775
Virginia	3,250	3,407	2,969	3,226	5,362	10,119
Washington	2,294	2,162	2,708	2,847	4,556	7,057
West Virginia	1,052	989	1,035	1,121	2,204	3,234
Wisconsin	2,842	2,852	2,879	3,930	9,736	11,510
Wyoming	R381	R411	R534	R872	R1,497	R2,032
Total	R141,224	R135,408	R140,311	R162,063	R298,708	R414,033

See footnotes at end of table.

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

State	2018		Total	2017		
	February	January		December	November	October
Alabama	2,238	5,337	22,790	3,908	2,589	1,985
Alaska	1,959	2,012	15,544	1,977	1,831	1,189
Arizona	NA	NA	31,212	3,684	2,552	2,167
Arkansas	6,018	7,906	47,501	6,407	4,356	3,686
California	24,191	25,335	237,360	28,185	21,739	19,392
Colorado	8,368	9,096	52,739	8,626	5,385	3,780
Connecticut	6,535	8,812	52,513	7,412	5,236	2,796
Delaware	1,721	NA	13,364	2,226	1,464	836
District of Columbia	1,759	NA	16,040	2,671	1,383	1,001
Florida	5,452	6,961	61,313	6,030	5,267	4,855
Georgia	5,094	11,403	49,193	8,539	5,224	3,324
Hawaii	203	243	2,446	203	204	200
Idaho	2,417	2,592	19,777	2,925	1,924	1,494
Illinois	32,997	39,428	215,936	35,932	22,257	13,695
Indiana	11,022	15,928	75,312	13,712	8,404	4,996
Iowa	7,778	9,516	49,710	7,870	5,820	3,597
Kansas	R5,416	R6,403	34,483	5,286	3,308	2,314
Kentucky	4,620	7,751	32,796	6,258	3,761	2,045
Louisiana	2,460	4,643	28,316	3,929	2,647	2,199
Maine	1,183	1,603	8,925	1,518	939	382
Maryland	8,352	11,420	72,279	11,519	7,306	3,850
Massachusetts	16,673	18,417	109,470	17,939	11,692	5,467
Michigan	24,556	30,937	162,634	26,445	16,897	8,273
Minnesota	17,365	18,524	99,756	16,759	11,138	5,491
Mississippi	1,861	3,978	17,643	2,697	1,758	1,460
Missouri	9,882	12,402	57,903	10,275	5,864	2,812
Montana	3,671	3,600	23,374	3,524	2,643	1,683
Nebraska	R4,999	R5,474	29,018	4,384	3,033	1,689
Nevada	3,593	3,762	32,200	4,043	2,658	2,300
New Hampshire	1,216	1,853	9,078	1,685	1,034	388
New Jersey	19,869	26,697	148,948	24,082	13,261	8,960
New Mexico	2,778	4,053	23,624	3,967	2,294	1,845
New York	36,591	47,822	310,211	45,947	31,356	16,690
North Carolina	5,992	10,887	53,726	8,507	5,821	3,906
North Dakota	2,273	2,223	12,957	2,013	1,594	875
Ohio	21,655	31,718	156,979	28,898	17,574	9,170
Oklahoma	7,183	8,523	37,834	6,832	3,547	2,110
Oregon	NA	3,982	31,763	4,918	3,172	2,158
Pennsylvania	20,019	29,783	145,910	22,264	17,272	7,825
Rhode Island	1,522	2,301	11,338	2,161	1,154	447
South Carolina	2,262	3,955	22,923	3,089	2,362	1,783
South Dakota	1,865	2,017	10,813	1,755	1,180	705
Tennessee	6,467	11,305	49,042	8,865	5,610	3,317
Texas	21,089	28,663	164,797	19,301	13,913	12,127
Utah	5,142	6,169	41,264	7,489	4,406	2,792
Vermont	703	988	6,205	932	752	401
Virginia	7,796	NA	68,162	10,474	6,914	4,272
Washington	7,207	7,457	60,096	8,465	6,198	4,296
West Virginia	2,828	3,923	22,421	3,529	2,283	1,387
Wisconsin	13,839	16,523	90,470	14,817	10,017	5,179
Wyoming	R2,087	R2,195	13,972	1,818	1,320	1,021
Total	R420,294	R547,995	3,164,078	486,690	322,309	200,614

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

State	2017		
	March	February	January
Alabama	2,288	2,075	3,009
Alaska	2,052	1,857	2,342
Arizona	2,946	3,408	4,008
Arkansas	4,498	4,630	6,454
California	19,968	22,408	29,963
Colorado	5,210	6,209	9,446
Connecticut	7,026	6,332	7,504
Delaware	1,693	1,504	1,885
District of Columbia	1,826	1,613	2,127
Florida	5,716	5,344	6,099
Georgia	5,420	5,191	7,263
Hawaii	211	200	226
Idaho	1,765	2,492	3,769
Illinois	25,919	24,486	35,368
Indiana	9,268	8,353	12,716
Iowa	5,799	6,003	8,329
Kansas	3,442	3,454	5,805
Kentucky	3,883	3,815	5,382
Louisiana	2,588	2,287	3,168
Maine	1,291	1,150	1,304
Maryland	9,628	8,036	10,372
Massachusetts	16,154	13,289	15,554
Michigan	21,859	20,749	26,049
Minnesota	12,305	12,893	16,943
Mississippi	1,776	1,704	2,374
Missouri	6,534	6,673	10,591
Montana	2,475	3,028	4,096
Nebraska	3,233	3,688	5,382
Nevada	3,089	3,525	4,528
New Hampshire	1,439	1,165	1,446
New Jersey	20,983	18,252	22,474
New Mexico	1,932	2,446	3,888
New York	40,877	36,302	41,596
North Carolina	6,205	5,153	7,633
North Dakota	1,644	1,703	2,307
Ohio	20,894	18,787	25,666
Oklahoma	3,479	4,396	7,097
Oregon	3,318	4,110	5,864
Pennsylvania	20,573	18,873	22,984
Rhode Island	1,883	1,501	1,840
South Carolina	2,489	2,105	2,814
South Dakota	1,294	1,344	1,973
Tennessee	5,230	5,140	7,133
Texas	14,586	16,435	23,843
Utah	3,419	4,609	7,780
Vermont	774	678	814
Virginia	8,574	7,248	9,667
Washington	6,434	7,492	9,551
West Virginia	2,754	2,535	3,069
Wisconsin	11,248	10,879	15,389
Wyoming	1,714	1,885	2,406
Total	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
	January	Total	December	November	October	September
Alabama	20,035	204,912	19,164	18,564	17,466	15,830
Alaska	646	5,639	594	609	495	508
Arizona	2,212	20,156	2,042	1,900	1,677	1,417
Arkansas	10,176	NA	9,948	10,033	9,049	8,243
California	63,461	761,086	63,880	61,063	62,404	67,764
Colorado	10,216	88,809	9,840	8,869	7,379	5,697
Connecticut	2,772	24,853	2,433	2,246	1,947	1,767
Delaware	4,014	NA	3,135	NA	2,796	2,149
District of Columbia	0	0	0	0	0	0
Florida	10,811	108,984	10,355	9,559	8,978	8,627
Georgia	14,748	158,301	14,347	14,099	12,920	12,205
Hawaii	8	90	7	7	8	7
Idaho	3,859	34,800	3,562	3,477	3,351	2,652
Illinois	30,499	263,012	26,043	26,066	22,978	18,707
Indiana	42,595	NA	39,877	37,604	NA	29,188
Iowa	23,071	249,869	21,781	22,747	21,473	19,143
Kansas	12,903	129,468	12,031	11,309	9,098	9,054
Kentucky	12,674	117,081	11,380	11,009	9,302	7,896
Louisiana	100,875	NA	97,645	93,510	92,332	93,857
Maine	2,107	19,189	1,993	1,847	1,801	1,596
Maryland	1,669	NA	1,855	1,951	1,431	1,249
Massachusetts	6,129	48,248	5,246	4,097	3,623	2,537
Michigan	20,758	NA	17,943	17,891	14,884	11,953
Minnesota	16,741	160,133	16,384	15,353	11,824	10,824
Mississippi	11,239	135,699	11,300	11,492	11,127	10,884
Missouri	7,404	65,989	6,492	6,581	5,335	4,427
Montana	2,153	25,211	2,234	2,257	2,166	2,047
Nebraska	7,771	87,294	7,495	7,981	7,801	6,888
Nevada	1,679	20,149	1,693	1,579	1,624	1,640
New Hampshire	942	9,886	904	873	778	694
New Jersey	4,156	NA	NA	NA	NA	NA
New Mexico	1,593	NA	NA	1,583	1,558	1,421
New York	9,814	NA	8,754	8,854	7,804	6,247
North Carolina	12,166	NA	11,103	10,805	9,903	8,026
North Dakota	3,238	35,609	3,473	2,871	3,240	3,024
Ohio	30,355	285,034	27,712	24,681	21,740	19,856
Oklahoma	18,838	208,738	18,111	17,389	18,371	17,297
Oregon	5,210	54,079	4,738	4,595	4,621	4,150
Pennsylvania	NA	229,992	21,817	20,283	18,660	16,554
Rhode Island	835	8,817	803	771	659	692
South Carolina	8,914	NA	8,810	8,955	8,452	6,986
South Dakota	4,253	NA	4,314	4,191	3,671	3,630
Tennessee	14,943	NA	13,234	NA	11,940	11,077
Texas	159,188	1,787,162	159,707	152,185	141,762	146,321
Utah	3,974	39,772	3,688	3,344	2,895	3,045
Vermont	NA	2,284	230	212	195	162
Virginia	7,465	NA	8,519	7,884	7,934	NA
Washington	7,271	NA	7,019	5,838	7,018	6,470
West Virginia	3,449	34,594	3,153	3,028	2,959	2,585
Wisconsin	17,924	166,885	16,606	15,972	13,666	11,038
Wyoming	6,814	65,759	6,242	6,344	6,012	5,370
Total	803,259	8,286,769	755,975	727,236	671,454	646,642

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018					
	August	July	June	May	April	March
Alabama	16,032	16,027	16,033	16,618	16,632	17,536
Alaska	412	415	363	392	352	439
Arizona	1,503	1,427	1,454	1,581	1,633	1,788
Arkansas	8,613	7,861	7,618	8,164	8,862	9,051
California	69,997	66,120	61,794	63,220	60,237	63,615
Colorado	5,466	5,394	5,332	6,156	7,498	8,209
Connecticut	1,824	1,785	1,696	1,614	1,905	2,520
Delaware	2,218	NA	NA	NA	NA	NA
District of Columbia	0	0	0	0	0	0
Florida	8,884	8,589	8,332	8,780	9,002	9,867
Georgia	13,172	12,767	12,877	12,780	12,864	14,189
Hawaii	8	8	8	8	8	7
Idaho	2,332	2,285	2,244	2,458	2,541	3,270
Illinois	18,341	17,863	16,728	17,685	21,568	24,356
Indiana	31,836	33,565	31,796	34,496	34,679	39,247
Iowa	20,360	19,906	18,735	18,991	20,552	22,276
Kansas	10,328	11,250	9,934	10,272	10,951	11,204
Kentucky	8,300	8,112	7,834	8,648	9,996	11,328
Louisiana	94,130	94,629	95,929	96,531	91,519	93,184
Maine	1,457	1,448	1,189	1,152	1,468	1,703
Maryland	1,275	1,352	1,118	1,482	NA	NA
Massachusetts	2,548	2,551	2,881	3,157	4,917	5,288
Michigan	11,431	11,267	11,666	12,204	15,346	18,246
Minnesota	11,144	11,401	10,875	11,979	13,598	14,896
Mississippi	11,087	10,490	11,155	11,533	11,955	11,777
Missouri	4,628	4,372	4,346	4,303	5,545	6,225
Montana	2,011	2,121	2,044	1,888	1,744	2,099
Nebraska	6,611	7,441	6,608	6,627	7,514	7,332
Nevada	1,738	1,828	1,534	1,518	1,646	1,851
New Hampshire	679	686	689	779	871	916
New Jersey	3,431	3,584	3,459	NA	NA	NA
New Mexico	1,414	1,424	1,449	1,603	1,422	1,506
New York	6,342	6,275	NA	5,842	8,231	8,806
North Carolina	9,102	8,717	8,773	8,942	9,817	11,028
North Dakota	2,887	2,861	2,761	2,507	3,158	2,898
Ohio	19,587	19,531	20,453	21,812	24,820	27,130
Oklahoma	16,622	15,301	16,083	17,685	17,743	18,194
Oregon	4,059	3,986	4,174	4,314	4,572	5,035
Pennsylvania	17,134	17,002	16,727	17,706	20,183	21,739
Rhode Island	656	623	652	741	809	727
South Carolina	7,707	7,487	7,579	7,779	8,205	NA
South Dakota	3,637	3,530	3,576	3,591	NA	3,942
Tennessee	11,481	11,173	11,610	11,132	12,717	12,060
Texas	150,647	153,149	145,163	150,337	147,085	149,515
Utah	2,941	2,941	3,152	3,223	3,449	3,361
Vermont	161	154	156	173	193	219
Virginia	6,586	7,762	NA	7,771	7,558	8,194
Washington	5,876	5,806	5,806	5,935	6,241	NA
West Virginia	2,894	2,840	2,508	2,502	2,590	2,917
Wisconsin	11,176	10,546	10,590	11,949	14,827	15,964
Wyoming	5,195	4,555	4,815	4,599	5,512	5,809
Total	657,898	654,616	638,919	660,292	686,787	726,891

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		
	February	January	Total	December	November	October
Alabama	16,146	18,864	196,686	18,546	16,591	15,959
Alaska	525	535	4,156	395	305	239
Arizona	1,766	1,966	19,250	1,999	1,498	1,573
Arkansas	8,829	NA	100,251	9,549	8,536	8,717
California	57,100	63,893	760,661	66,073	62,097	64,587
Colorado	9,232	9,736	84,914	9,236	7,830	6,938
Connecticut	2,340	2,776	24,557	2,604	2,348	1,664
Delaware	NA	3,963	29,860	2,511	2,534	2,647
District of Columbia	0	0	0	0	0	0
Florida	7,889	10,123	103,417	9,700	8,977	8,841
Georgia	11,966	14,116	150,172	13,801	13,207	11,771
Hawaii	7	8	85	5	7	7
Idaho	3,099	3,529	35,856	3,492	3,326	3,248
Illinois	23,803	28,874	258,841	28,905	24,949	20,943
Indiana	37,558	NA	379,118	39,292	32,914	29,353
Iowa	20,873	23,032	241,187	23,040	21,394	18,916
Kansas	11,183	12,855	127,653	12,437	11,451	9,490
Kentucky	10,924	12,352	113,582	11,385	10,094	9,133
Louisiana	90,394	NA	1,096,400	100,026	95,589	93,604
Maine	1,637	1,900	17,698	1,892	1,752	1,396
Maryland	NA	2,093	15,744	1,549	1,545	1,255
Massachusetts	5,315	6,089	47,004	5,754	4,138	2,860
Michigan	NA	19,443	170,189	19,301	15,375	13,700
Minnesota	15,299	16,557	165,901	15,419	14,756	12,890
Mississippi	10,772	12,126	128,356	11,839	11,234	10,449
Missouri	6,762	6,973	63,158	6,841	5,617	5,105
Montana	2,259	2,343	23,393	2,756	2,668	2,668
Nebraska	7,357	7,640	89,521	8,325	7,795	7,870
Nevada	1,675	1,823	19,269	1,832	1,646	1,737
New Hampshire	999	1,019	9,499	941	818	725
New Jersey	NA	NA	54,298	4,845	4,086	4,941
New Mexico	1,314	1,498	15,412	1,486	1,304	1,327
New York	8,834	9,652	82,779	9,123	8,387	6,613
North Carolina	9,460	NA	107,373	10,727	10,190	9,444
North Dakota	2,909	3,020	32,127	3,244	2,603	2,658
Ohio	27,015	30,698	277,767	29,055	25,226	21,235
Oklahoma	17,483	18,458	199,576	17,611	16,344	17,006
Oregon	4,610	5,225	57,849	5,265	4,791	4,894
Pennsylvania	19,444	22,745	219,028	21,967	20,038	17,812
Rhode Island	843	842	8,551	773	709	641
South Carolina	7,598	7,463	91,644	8,265	8,536	8,064
South Dakota	4,244	4,267	45,481	4,246	3,996	3,530
Tennessee	11,933	NA	134,555	12,987	10,700	10,473
Texas	134,557	156,733	1,681,634	155,675	146,275	142,341
Utah	3,797	3,937	40,007	3,874	3,380	2,947
Vermont	204	224	2,191	226	204	166
Virginia	8,179	8,173	94,098	8,239	8,300	7,583
Washington	7,560	7,651	80,656	7,720	6,995	7,290
West Virginia	3,082	3,535	38,358	3,596	3,444	3,193
Wisconsin	16,229	18,322	154,920	17,463	14,978	12,171
Wyoming	5,504	5,803	54,512	5,483	4,635	4,389
Total	689,088	770,972	7,949,199	761,315	696,113	657,005

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

State	2017		
	March	February	January
Alabama	17,380	15,521	17,810
Alaska	473	468	502
Arizona	1,753	1,780	2,064
Arkansas	8,428	8,369	9,493
California	62,969	56,866	64,275
Colorado	7,806	7,890	10,271
Connecticut	2,633	2,217	2,644
Delaware	2,353	2,657	2,888
District of Columbia	0	0	0
Florida	9,403	8,369	9,450
Georgia	13,764	12,166	13,451
Hawaii	8	7	8
Idaho ^a	3,180	3,273	3,897
Illinois	23,713	22,906	27,228
Indiana	34,796	32,500	37,551
Iowa	21,556	19,552	21,591
Kansas	10,059	10,103	11,066
Kentucky	10,431	9,855	11,429
Louisiana	90,433	82,593	94,532
Maine	1,634	1,567	1,745
Maryland	1,535	1,281	1,490
Massachusetts	5,615	5,144	5,717
Michigan	17,286	16,158	18,815
Minnesota	14,916	14,740	16,480
Mississippi	11,032	10,303	11,114
Missouri	5,869	5,637	7,014
Montana	1,731	1,724	2,042
Nebraska	7,413	7,670	8,520
Nevada	1,672	1,518	1,821
New Hampshire	911	910	892
New Jersey	5,556	5,033	5,475
New Mexico	1,122	1,212	1,509
New York	8,235	7,536	8,464
North Carolina	9,631	8,662	9,633
North Dakota	3,045	2,358	2,928
Ohio	26,700	25,763	28,927
Oklahoma	17,746	15,395	17,804
Oregon	5,208	5,093	5,901
Pennsylvania	21,082	19,076	21,275
Rhode Island	716	791	806
South Carolina	8,092	7,251	8,149
South Dakota	3,932	3,812	4,314
Tennessee	11,984	11,690	12,602
Texas	140,426	132,346	145,522
Utah	3,390	3,810	3,779
Vermont	215	196	222
Virginia	8,477	8,079	7,943
Washington	7,011	6,861	8,175
West Virginia	3,468	3,228	3,658
Wisconsin	15,105	13,844	16,843
Wyoming	4,948	4,618	5,089
Total	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
	January	Total	December	November	October	September
Alabama	27,750	431,553	29,657	31,156	37,623	43,565
Alaska	3,388	33,050	2,493	1,986	2,253	3,245
Arizona	22,246	287,022	22,826	21,531	29,186	35,761
Arkansas	8,427	142,080	4,925	7,204	14,584	11,685
California	51,653	629,469	53,610	55,519	61,611	56,086
Colorado	10,552	128,072	10,166	9,937	9,971	11,296
Connecticut	11,282	135,450	12,350	12,263	11,625	12,216
Delaware	1,189	34,950	1,157	1,534	3,866	3,767
District of Columbia	--	--	--	--	--	--
Florida	90,233	1,280,920	84,630	94,658	121,014	130,881
Georgia	30,047	377,421	26,149	24,294	31,444	36,863
Hawaii	--	--	--	--	--	--
Idaho	2,653	22,085	2,296	2,134	998	2,946
Illinois	10,365	160,255	6,629	9,696	11,096	16,976
Indiana	17,761	185,155	14,523	14,959	13,899	14,853
Iowa	3,633	49,657	3,311	2,199	3,095	5,980
Kansas	1,195	32,422	971	1,397	2,651	3,021
Kentucky	9,419	114,492	6,407	8,993	9,382	11,023
Louisiana	25,133	299,490	15,779	16,516	28,324	29,211
Maine	1,039	W	609	1,060	1,895	1,208
Maryland	5,228	101,163	6,609	5,916	10,430	11,179
Massachusetts	12,204	144,031	9,718	8,492	10,009	12,530
Michigan	21,264	247,744	16,362	15,088	18,163	21,959
Minnesota	4,627	65,650	3,090	3,227	3,740	7,768
Mississippi	25,520	364,790	19,543	24,432	24,146	33,807
Missouri	3,947	67,697	3,195	4,815	5,914	5,764
Montana	463	4,899	587	483	389	W
Nebraska	339	10,453	W	W	884	W
Nevada	14,570	200,426	13,538	13,701	15,257	20,429
New Hampshire	1,248	21,563	502	1,380	3,203	2,249
New Jersey	22,912	294,225	22,025	20,998	23,310	29,373
New Mexico	7,654	96,428	9,186	7,195	6,700	8,902
New York	30,744	420,296	29,514	30,423	33,418	40,474
North Carolina	24,631	333,347	24,407	26,316	29,108	31,035
North Dakota	665	7,145	W	W	620	W
Ohio	28,268	305,814	27,600	26,746	26,726	25,329
Oklahoma	24,702	314,498	19,134	21,567	22,265	32,133
Oregon	13,765	122,230	12,577	11,799	11,043	13,492
Pennsylvania	52,676	546,201	43,819	41,270	48,717	53,918
Rhode Island	3,005	W	3,817	3,208	5,211	5,379
South Carolina	12,691	176,797	10,920	15,988	17,220	22,220
South Dakota	449	W	W	W	608	W
Tennessee	8,985	99,712	6,638	7,785	9,254	10,989
Texas	123,811	1,615,400	109,193	102,609	127,916	153,251
Utah	5,588	61,649	5,836	5,311	6,044	6,066
Vermont	1	11	*	1	1	1
Virginia	34,060	356,382	31,191	27,014	22,035	35,404
Washington	9,328	78,505	5,160	3,046	5,661	10,127
West Virginia	417	10,754	W	687	1,401	1,875
Wisconsin	12,259	135,365	10,041	8,253	10,875	13,920
Wyoming	130	2,146	141	209	201	W
Total	834,116	10,625,694	743,958	756,296	894,986	1,044,507

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					
	August	July	June	May	April	March
Alabama	43,207	45,373	39,099	39,676	33,462	30,331
Alaska	4,071	3,987	2,592	1,991	2,139	3,017
Arizona	38,560	37,263	27,153	20,667	17,312	12,787
Arkansas	14,852	15,992	14,354	13,253	13,016	10,614
California	76,620	84,973	42,832	29,657	32,301	48,607
Colorado	12,743	14,696	12,168	10,487	7,543	8,770
Connecticut	14,689	14,093	11,464	8,699	8,947	10,374
Delaware	4,715	3,337	2,257	3,249	3,279	3,444
District of Columbia	--	--	--	--	--	--
Florida	131,226	132,621	119,193	105,002	96,910	92,076
Georgia	39,093	42,908	35,966	33,624	22,838	26,745
Hawaii	--	--	--	--	--	--
Idaho	2,868	3,238	1,845	1,018	W	1,132
Illinois	21,600	22,152	14,534	15,007	9,179	11,108
Indiana	18,378	19,444	17,035	17,450	13,231	12,630
Iowa	5,545	6,249	4,779	5,130	4,460	3,275
Kansas	3,623	4,797	4,329	5,045	2,276	1,825
Kentucky	10,999	10,957	8,280	9,701	7,394	9,356
Louisiana	31,644	34,746	30,123	28,705	20,431	19,561
Maine	2,102	2,005	1,506	1,313	918	1,406
Maryland	11,914	10,930	8,018	10,889	7,213	6,630
Massachusetts	19,330	17,622	10,459	8,734	8,496	12,610
Michigan	24,231	23,862	19,319	24,189	22,769	23,536
Minnesota	8,014	8,732	5,314	5,789	5,800	5,489
Mississippi	39,032	39,287	33,059	33,551	29,257	26,674
Missouri	7,577	7,849	6,421	6,754	2,756	4,530
Montana	617	524	280	368	W	273
Nebraska	1,358	1,626	785	1,313	W	415
Nevada	23,976	25,305	19,356	14,347	13,231	13,525
New Hampshire	4,153	4,186	3,043	850	616	242
New Jersey	34,315	34,230	24,002	21,642	21,604	23,835
New Mexico	10,317	10,711	9,673	8,520	7,315	6,829
New York	55,506	51,805	35,828	31,178	26,275	27,334
North Carolina	34,560	38,192	29,893	24,829	20,669	27,793
North Dakota	874	902	552	W	W	575
Ohio	29,975	29,020	24,168	23,004	21,898	23,049
Oklahoma	36,435	41,579	34,900	33,934	20,986	16,138
Oregon	14,797	14,196	5,663	3,179	6,488	11,260
Pennsylvania	61,612	57,672	46,611	37,153	37,289	41,539
Rhode Island	5,878	5,566	4,450	3,927	3,670	3,598
South Carolina	20,600	21,539	17,399	12,351	9,547	10,432
South Dakota	1,073	1,207	588	W	W	443
Tennessee	11,266	11,132	8,768	5,411	5,604	7,150
Texas	185,073	202,274	156,865	145,076	100,637	106,900
Utah	8,147	8,389	4,549	3,814	3,235	3,229
Vermont	*	2	2	*	2	1
Virginia	38,248	38,204	35,359	27,585	19,845	26,513
Washington	11,922	12,207	5,656	3,431	4,339	6,190
West Virginia	1,416	1,347	868	1,053	1,145	275
Wisconsin	16,314	16,375	10,964	9,113	7,434	11,291
Wyoming	W	329	147	W	W	W
Total	1,195,340	1,235,633	952,471	853,201	707,388	755,400

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		
	February	January	Total	December	November	October
Alabama	24,693	33,711	387,460	30,027	30,663	31,968
Alaska	2,393	2,883	27,141	2,879	2,287	2,739
Arizona	12,036	11,939	222,843	15,583	12,775	21,580
Arkansas	10,514	11,088	133,042	12,806	6,552	10,535
California	41,231	46,422	597,171	50,535	48,013	58,492
Colorado	9,878	10,417	98,427	8,882	6,641	6,431
Connecticut	9,458	9,272	107,213	10,080	10,253	9,317
Delaware	2,373	1,973	45,793	2,622	2,381	3,671
District of Columbia	--	--	*	*	--	--
Florida	82,249	90,459	1,196,155	86,507	83,018	106,714
Georgia	26,277	31,222	377,452	32,831	26,920	29,911
Hawaii	--	--	--	--	--	--
Idaho	1,164	1,457	20,214	2,067	1,608	2,046
Illinois	W	12,821	116,882	9,016	7,543	8,982
Indiana	12,852	15,902	151,820	16,492	12,651	12,159
Iowa	2,547	3,088	27,706	3,249	2,098	2,623
Kansas	1,149	1,338	23,257	1,582	1,563	2,518
Kentucky	7,509	14,489	84,878	8,188	7,550	5,319
Louisiana	19,450	25,000	272,156	21,902	15,618	26,045
Maine	W	805	19,088	1,601	W	W
Maryland	7,655	3,779	51,303	5,044	5,218	3,262
Massachusetts	13,613	12,417	163,128	13,410	9,884	12,070
Michigan	16,719	21,548	216,285	21,153	16,756	19,250
Minnesota	3,980	4,707	58,713	5,661	4,496	5,591
Mississippi	25,982	36,019	346,990	31,169	24,528	25,870
Missouri	7,184	4,937	44,834	3,383	3,547	W
Montana	287	337	5,118	450	340	434
Nebraska	274	486	5,531	284	282	319
Nevada	13,023	14,737	196,646	14,765	14,037	16,823
New Hampshire	223	916	25,975	1,429	1,850	1,668
New Jersey	22,040	16,853	278,263	23,081	18,584	21,751
New Mexico	5,685	5,395	75,644	6,207	4,903	5,982
New York	30,594	27,946	400,403	31,253	27,835	30,115
North Carolina	22,479	24,066	285,843	26,844	22,687	22,530
North Dakota	W	520	10,100	993	821	899
Ohio	22,169	26,130	205,619	21,547	20,491	15,269
Oklahoma	17,418	18,008	235,574	19,103	14,548	18,031
Oregon	7,384	10,352	88,673	11,711	8,347	10,577
Pennsylvania	39,647	36,955	440,807	33,147	32,340	45,997
Rhode Island	W	3,178	41,128	3,072	3,304	W
South Carolina	7,073	11,508	135,107	9,625	10,191	12,271
South Dakota	W	549	6,467	540	427	543
Tennessee	6,543	9,174	77,410	6,653	5,416	6,291
Texas	103,835	121,769	1,383,503	110,222	88,443	110,054
Utah	3,245	3,783	40,900	3,738	1,982	2,017
Vermont	1	--	12	1	1	*
Virginia	27,627	27,358	327,126	27,707	26,263	21,680
Washington	4,501	6,266	77,234	8,453	6,714	8,284
West Virginia	W	517	11,295	434	915	2,067
Wisconsin	10,081	10,705	104,470	10,144	8,004	10,295
Wyoming	145	W	1,268	154	90	55
Total	701,253	785,260	9,250,066	768,229	662,814	779,799

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

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		
	March	February	January
Alabama	30,529	23,174	25,708
Alaska	1,916	1,470	2,331
Arizona	7,307	5,396	9,522
Arkansas	11,030	7,424	4,866
California	31,506	37,508	51,157
Colorado	5,826	5,680	8,285
Connecticut	7,920	8,140	10,154
Delaware	4,208	2,807	2,635
District of Columbia	--	--	--
Florida	90,505	72,938	77,530
Georgia	27,563	27,669	28,434
Hawaii	--	--	--
Idaho	1,324	1,077	1,738
Illinois	10,068	7,394	7,345
Indiana	14,366	11,093	12,669
Iowa	1,256	952	1,583
Kansas	1,451	621	874
Kentucky	7,421	4,293	5,106
Louisiana	21,216	15,835	14,982
Maine	W	W	1,402
Maryland	4,637	2,708	1,960
Massachusetts	13,567	11,524	12,498
Michigan	19,052	12,299	16,439
Minnesota	3,813	2,922	4,893
Mississippi	29,604	18,842	25,581
Missouri	3,538	2,583	2,978
Montana	343	288	404
Nebraska	358	143	273
Nevada	12,837	13,168	16,181
New Hampshire	1,464	893	1,104
New Jersey	26,548	17,255	20,637
New Mexico	5,096	5,004	6,231
New York	33,506	26,606	30,926
North Carolina	24,879	21,931	22,013
North Dakota	675	624	862
Ohio	15,964	13,968	15,089
Oklahoma	12,971	10,845	14,093
Oregon	3,256	5,735	10,649
Pennsylvania	32,555	30,334	33,465
Rhode Island	2,987	2,638	2,887
South Carolina	9,993	8,927	7,863
South Dakota	452	270	490
Tennessee	8,876	5,105	5,144
Texas	93,567	75,007	85,730
Utah	2,210	2,677	4,889
Vermont	2	1	2
Virginia	26,434	22,401	22,783
Washington	4,373	4,100	7,748
West Virginia	W	W	W
Wisconsin	7,853	5,223	6,873
Wyoming	W	27	97
Total	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
	January	Total	December	November	October	September	
Alabama	60,411	698,910	58,796	57,508	57,874	61,167	
Alaska	NA	NA	NA	6,193	5,055	5,142	
Arizona	37,941	NA	35,279	30,164	35,133	40,524	
Arkansas	33,875	NA	26,501	26,591	28,833	23,481	
California	211,684	NA	211,685	179,926	168,900	161,684	
Colorado	53,931	408,565	53,402	42,225	30,398	21,999	
Connecticut	33,222	272,077	30,131	26,968	20,327	17,736	
Delaware	10,160	NA	8,036	NA	8,274	6,869	
District of Columbia	4,663	NA	4,031	3,344	1,825	985	
Florida	110,108	1,470,666	103,183	110,632	135,533	145,024	
Georgia	80,103	725,984	70,368	62,485	53,861	55,136	
Hawaii	302	3,281	273	266	272	257	
Idaho	14,312	103,004	13,830	11,545	7,567	7,269	
Illinois	166,532	1,101,451	126,892	119,967	73,447	52,602	
Indiana	106,304	NA	87,782	82,270	NA	49,344	
Iowa	50,642	424,911	42,880	40,408	32,128	28,159	
Kansas	34,435	272,693	29,896	26,653	17,899	15,377	
Kentucky	39,597	320,833	30,666	31,621	23,659	20,995	
Louisiana	138,326	NA	123,234	118,430	125,059	126,599	
Maine	5,348	NA	4,464	4,462	4,542	3,190	
Maryland	34,674	NA	30,484	26,111	21,426	17,528	
Massachusetts	60,777	439,392	49,049	40,543	25,511	22,091	
Michigan	138,464	NA	109,859	96,612	66,608	45,183	
Minnesota	66,704	NA	55,304	48,332	32,216	24,769	
Mississippi	44,428	544,802	37,564	41,330	37,575	46,063	
Missouri	46,860	316,832	37,354	35,495	20,505	14,240	
Montana	9,640	NA	9,635	8,165	6,054	4,095	
Nebraska	21,197	174,884	18,785	17,183	13,035	10,407	
Nevada	29,282	295,852	26,329	22,582	21,310	25,469	
New Hampshire	5,651	48,987	4,168	4,521	4,678	3,400	
New Jersey	96,084	NA	NA	NA	NA	NA	
New Mexico	20,976	NA	NA	NA	12,311	12,236	
New York	182,650	NA	145,958	130,890	87,435	72,803	
North Carolina	61,724	NA	56,365	54,622	45,528	42,450	
North Dakota	9,168	NA	8,128	7,005	6,104	4,470	
Ohio	141,598	1,071,056	134,498	112,441	76,735	55,430	
Oklahoma	65,993	636,821	55,974	53,117	44,995	52,259	
Oregon	30,873	NA	29,032	25,074	20,302	20,087	
Pennsylvania	NA	1,196,610	125,911	111,299	91,054	80,366	
Rhode Island	9,954	92,593	9,443	7,773	7,895	6,741	
South Carolina	31,910	NA	28,663	31,952	28,523	30,919	
South Dakota	9,373	NA	8,540	7,491	6,062	5,404	
Tennessee	49,999	NA	41,120	NA	26,752	25,595	
Texas	352,075	NA	326,352	296,756	289,903	315,244	
Utah	29,685	NA	28,943	22,930	16,620	12,161	
Vermont	NA	13,515	1,785	1,523	991	636	
Virginia	70,733	NA	63,228	50,755	38,813	NA	
Washington	37,842	NA	32,922	24,920	23,029	21,811	
West Virginia	12,658	NA	10,389	9,613	7,302	5,808	
Wisconsin	75,787	543,599	59,991	54,294	39,610	31,039	
Wyoming	11,111	97,873	11,421	9,851	8,119	6,327	
Total	3,138,485	27,418,425	2,732,174	2,464,416	2,059,861	1,951,726	

See footnotes at end of table.

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

(million cubic feet) – continued

State	2018					
	August	July	June	May	April	March
Alabama	61,149	63,229	57,003	58,602	54,593	54,531
Alaska	5,630	5,339	4,217	4,231	5,165	7,405
Arizona	43,399	42,155	NA	NA	NA	NA
Arkansas	27,017	27,111	25,341	25,355	28,688	29,316
California	NA	188,258	144,413	139,102	145,275	192,850
Colorado	22,702	24,288	21,989	25,148	29,704	37,490
Connecticut	20,259	19,539	16,938	14,915	21,438	27,151
Delaware	7,875	NA	NA	NA	NA	NA
District of Columbia	1,213	1,077	1,158	1,084	2,212	3,801
Florida	145,403	146,612	133,402	120,013	112,901	109,649
Georgia	58,597	61,827	55,049	53,633	48,665	63,140
Hawaii	281	277	270	266	276	273
Idaho	6,544	6,788	5,510	5,089	6,724	9,648
Illinois	55,980	56,141	48,732	55,346	97,499	118,702
Indiana	54,641	57,518	53,064	58,721	69,062	82,594
Iowa	28,683	28,712	26,520	28,156	37,050	40,324
Kansas	17,006	18,802	17,364	18,851	22,867	24,290
Kentucky	21,141	20,796	17,893	20,920	24,607	32,219
Louisiana	128,940	132,491	129,199	128,839	116,872	118,634
Maine	NA	NA	3,097	2,998	3,501	4,665
Maryland	18,330	17,280	14,955	NA	NA	NA
Massachusetts	28,290	26,319	20,165	20,665	35,984	51,556
Michigan	47,680	45,758	42,206	54,126	90,679	112,839
Minnesota	24,525	25,256	22,349	NA	43,816	50,991
Mississippi	51,628	51,156	45,582	46,696	44,187	42,546
Missouri	16,026	15,993	14,713	15,980	24,566	32,362
Montana	3,917	3,733	3,698	4,326	6,221	NA
Nebraska	9,709	11,097	9,442	11,181	15,858	16,573
Nevada	28,731	30,255	24,533	20,196	20,387	24,697
New Hampshire	5,227	5,231	4,167	2,155	3,082	3,565
New Jersey	48,037	48,643	39,460	NA	NA	NA
New Mexico	13,779	13,806	12,997	12,478	12,326	15,822
New York	86,732	84,057	NA	70,869	111,185	142,375
North Carolina	46,830	50,014	41,905	37,506	39,805	57,983
North Dakota	4,290	4,244	3,961	NA	6,553	NA
Ohio	59,322	58,009	54,287	55,592	92,247	115,821
Oklahoma	55,786	59,438	53,755	55,160	47,925	45,230
Oregon	20,776	20,127	12,424	10,408	16,963	25,247
Pennsylvania	88,137	83,816	73,067	66,820	95,011	126,654
Rhode Island	7,199	6,851	5,803	5,440	7,517	9,077
South Carolina	30,102	30,768	26,818	22,337	21,418	NA
South Dakota	5,197	5,241	4,756	NA	NA	NA
Tennessee	25,827	25,661	23,842	21,920	29,338	NA
Texas	350,915	369,419	317,008	315,416	274,808	299,947
Utah	13,911	14,257	11,266	NA	14,135	21,781
Vermont	593	586	617	612	1,235	1,511
Virginia	49,660	51,105	NA	40,915	39,434	58,482
Washington	21,701	22,220	16,636	15,068	22,452	NA
West Virginia	5,664	5,512	4,803	NA	8,400	10,702
Wisconsin	32,648	32,076	27,067	28,977	46,911	57,013
Wyoming	6,076	5,538	5,851	6,342	8,543	9,793
Total	2,097,499	2,134,813	1,854,094	1,847,470	2,135,267	2,556,271

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		
	February	January	Total	December	November	October
Alabama	46,883	67,575	633,536	58,705	52,507	51,120
Alaska	7,496	8,135	67,102	7,777	7,037	5,747
Arizona	NA	NA	308,987	25,781	19,193	27,065
Arkansas	30,322	NA	306,547	34,479	21,990	23,874
California	179,123	195,398	2,048,294	209,200	167,614	168,017
Colorado	47,842	51,378	355,187	47,843	32,413	25,884
Connecticut	25,234	31,441	232,737	28,386	22,629	15,209
Delaware	NA	NA	98,913	9,367	7,332	7,403
District of Columbia	3,548	NA	29,055	5,148	2,408	1,506
Florida	97,657	110,659	1,376,529	104,113	98,545	121,395
Georgia	55,695	87,527	689,147	77,578	57,534	51,820
Hawaii	261	309	3,104	259	257	249
Idaho	10,709	11,781	104,810	13,771	9,941	8,950
Illinois	130,933	165,211	969,718	143,381	99,160	61,477
Indiana	81,419	NA	730,238	95,968	68,416	52,073
Iowa	42,377	49,515	378,999	45,445	35,968	28,090
Kansas	29,161	34,526	240,053	30,096	23,014	16,578
Kentucky	29,689	46,628	274,656	35,789	26,722	18,529
Louisiana	116,497	NA	1,426,152	132,127	116,532	123,403
Maine	5,428	4,888	48,461	5,531	4,388	3,422
Maryland	NA	35,173	215,283	33,267	22,801	10,808
Massachusetts	56,708	62,512	441,202	60,043	37,900	24,547
Michigan	NA	134,291	848,731	124,966	86,103	55,775
Minnesota	59,746	66,494	448,431	59,913	45,436	30,511
Mississippi	41,234	59,240	511,522	49,854	39,515	38,668
Missouri	40,619	48,979	253,061	39,768	25,416	14,056
Montana	9,727	9,847	73,367	10,357	8,186	6,371
Nebraska	19,754	21,860	158,234	18,969	15,090	11,290
Nevada	24,399	26,963	291,219	27,143	21,494	23,082
New Hampshire	3,441	5,351	51,997	5,492	4,498	3,048
New Jersey	NA	NA	703,505	95,136	57,581	44,492
New Mexico	14,549	17,377	144,797	17,116	11,383	10,681
New York	139,857	175,515	1,230,272	162,415	110,597	69,247
North Carolina	45,926	NA	507,118	60,558	46,758	38,011
North Dakota	7,642	8,048	66,201	8,187	6,406	5,102
Ohio	109,312	147,362	900,058	132,665	94,369	57,973
Oklahoma	53,683	59,499	524,660	55,594	39,415	38,710
Oregon	NA	25,832	226,396	30,130	21,657	20,801
Pennsylvania	112,473	142,002	1,025,040	119,724	92,549	79,557
Rhode Island	8,538	10,315	79,562	9,502	7,228	5,117
South Carolina	20,214	31,718	274,328	26,832	24,073	22,960
South Dakota	8,641	9,384	74,907	8,717	6,885	5,462
Tennessee	34,873	NA	318,011	42,617	28,586	22,009
Texas	293,452	NA	3,398,560	311,224	262,223	272,675
Utah	20,716	24,554	189,225	28,155	16,769	12,314
Vermont	1,469	1,958	11,922	1,747	1,257	679
Virginia	54,797	NA	567,057	62,562	49,634	36,457
Washington	31,303	33,569	309,587	39,647	30,537	26,383
West Virginia	9,659	13,542	94,497	12,036	9,256	7,666
Wisconsin	62,515	71,457	480,976	67,642	48,341	33,934
Wyoming	9,801	10,212	82,336	9,258	7,329	6,419
Total	2,501,119	3,083,713	24,824,284	2,841,983	2,152,873	1,846,618

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

State	2017		
	March	February	January
Alabama	53,399	44,023	51,405
Alaska	7,108	6,317	8,365
Arizona	15,951	16,640	22,493
Arkansas	26,912	23,804	26,558
California	156,928	172,459	230,802
Colorado	30,709	34,486	50,767
Connecticut	25,424	23,889	28,853
Delaware	9,944	8,364	9,359
District of Columbia	3,717	3,377	4,569
Florida	107,284	88,431	95,097
Georgia	59,656	57,498	67,305
Hawaii	271	259	292
Idaho	8,952	10,682	15,617
Illinois	111,839	102,317	142,027
Indiana	75,599	67,304	86,454
Iowa	36,675	34,889	43,515
Kansas	21,421	20,858	30,105
Kentucky	27,395	23,571	30,194
Louisiana	116,954	103,637	117,629
Maine	4,957	4,181	4,898
Maryland	27,258	23,067	27,975
Massachusetts	55,593	46,521	53,319
Michigan	101,213	87,669	113,364
Minnesota	47,705	47,075	61,753
Mississippi	44,572	32,966	42,494
Missouri	26,265	25,902	39,548
Montana	6,781	8,018	10,754
Nebraska	15,168	16,189	21,745
Nevada	22,180	24,634	31,294
New Hampshire	5,007	3,976	4,686
New Jersey	87,199	70,997	88,382
New Mexico	11,134	12,867	17,664
New York	151,049	131,130	154,315
North Carolina	48,901	42,892	51,243
North Dakota	6,839	6,262	8,224
Ohio	101,096	91,837	116,713
Oklahoma	39,004	37,127	50,835
Oregon	16,941	21,366	31,971
Pennsylvania	108,014	99,298	117,733
Rhode Island	8,722	7,452	8,504
South Carolina	23,847	21,206	23,613
South Dakota	7,217	7,095	9,262
Tennessee	33,006	29,179	36,157
Texas	264,981	246,261	294,512
Utah	14,753	18,550	30,457
Vermont	1,562	1,382	1,594
Virginia	54,617	48,190	55,838
Washington	28,292	30,950	42,367
West Virginia	10,234	9,036	11,068
Wisconsin	52,868	47,205	62,651
Wyoming	8,207	8,329	9,939
Total	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	
	January	Total	December	November	October	September	
Alabama	3.99	NA	4.80	3.87	4.06	3.71	
Alaska	7.76	7.34	6.91	6.91	6.73	6.58	
Arizona	3.30	NA	3.02	3.39	2.87	2.67	
Arkansas	3.91	4.42	4.80	4.46	4.77	5.67	
California	3.28	NA	NA	3.31	2.73	3.24	
Colorado	3.79	3.63	4.05	3.97	3.45	4.38	
Connecticut	4.98	5.55	5.88	5.30	5.92	7.99	
Delaware	4.37	NA	5.03	5.44	NA	10.97	
District of Columbia	--	--	--	--	--	--	
Florida	7.05	NA	7.29	7.79	7.17	7.11	
Georgia	4.35	4.03	5.35	4.13	4.03	3.91	
Hawaii	13.97	19.63	16.51	18.18	21.26	20.04	
Idaho	2.43	NA	2.93	2.70	2.17	2.49	
Illinois	3.58	3.69	3.89	4.06	3.70	3.58	
Indiana	3.69	3.87	3.98	3.96	3.83	4.21	
Iowa	4.00	4.11	4.83	4.55	3.92	4.34	
Kansas	3.87	4.21	4.69	3.94	4.45	7.03	
Kentucky	4.03	3.88	4.44	3.81	3.74	3.57	
Louisiana	4.58	4.00	4.47	4.33	3.93	3.69	
Maine	8.55	8.00	9.87	8.18	5.09	6.37	
Maryland	4.39	4.97	5.88	4.69	5.52	6.49	
Massachusetts	4.93	NA	6.35	5.32	5.65	10.28	
Michigan	3.55	3.48	4.16	3.50	3.34	3.17	
Minnesota	4.45	NA	5.02	4.64	3.61	4.10	
Mississippi	4.55	4.24	5.13	4.79	4.24	3.69	
Missouri	3.92	4.40	4.91	4.25	4.60	6.60	
Montana	3.21	NA	3.26	2.75	2.27	NA	
Nebraska	4.29	4.08	4.88	4.41	3.79	4.07	
Nevada	4.25	3.99	5.65	4.70	3.65	3.70	
New Hampshire	7.99	NA	7.29	6.86	4.93	8.57	
New Jersey	4.75	4.63	4.79	4.69	4.55	4.69	
New Mexico	3.45	3.05	3.42	2.82	2.54	2.77	
New York	4.35	4.71	4.55	4.71	5.04	8.30	
North Carolina	3.76	4.13	4.78	4.33	4.59	5.65	
North Dakota	4.13	NA	4.91	4.15	3.39	NA	
Ohio	3.99	NA	NA	NA	NA	3.34	
Oklahoma	3.87	NA	NA	3.53	4.01	4.27	
Oregon	NA	3.90	3.44	4.17	3.94	5.01	
Pennsylvania	4.39	NA	5.14	4.83	4.68	7.17	
Rhode Island	2.58	2.37	2.55	2.49	2.46	2.43	
South Carolina	4.45	NA	5.33	NA	4.30	4.15	
South Dakota	4.12	NA	4.83	4.20	3.59	NA	
Tennessee	3.87	4.11	4.77	4.20	3.93	4.12	
Texas	4.52	NA	4.61	4.62	4.90	4.96	
Utah	5.53	NA	5.92	4.53	4.05	3.62	
Vermont	4.56	4.64	4.90	4.56	4.18	4.08	
Virginia	4.23	NA	5.00	4.69	5.50	6.22	
Washington	3.41	NA	NA	NA	3.48	3.63	
West Virginia	3.71	NA	4.10	3.71	4.39	5.36	
Wisconsin	4.20	4.19	4.75	4.28	3.99	4.79	
Wyoming	4.02	3.74	4.09	3.81	3.22	3.24	
Total	4.09	4.21	4.74	4.29	4.07	4.70	

See footnotes at end of table.

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

State	2018					
	August	July	June	May	April	March
Alabama	3.70	3.81	3.93	3.81	3.57	3.48
Alaska	6.34	6.39	6.43	7.02	6.76	8.00
Arizona	NA	3.04	3.23	2.88	3.01	4.18
Arkansas	5.81	6.20	5.85	4.47	4.47	4.03
California	NA	NA	2.67	2.34	2.42	2.76
Colorado	4.40	4.09	4.04	3.51	3.04	3.31
Connecticut	7.94	7.92	7.94	7.10	4.72	4.10
Delaware	10.35	10.70	9.50	8.13	5.40	4.34
District of Columbia	--	--	--	--	--	--
Florida	7.00	7.21	6.48	6.76	NA	6.47
Georgia	3.74	3.99	3.87	3.79	3.59	3.62
Hawaii	18.48	20.03	20.87	22.70	21.03	19.73
Idaho	2.15	2.07	NA	2.39	NA	2.87
Illinois	4.27	3.43	3.46	4.16	3.33	3.30
Indiana	4.83	4.67	4.57	4.35	3.25	3.61
Iowa	4.47	3.77	4.00	3.93	3.44	3.61
Kansas	5.44	5.05	5.60	5.82	3.64	3.84
Kentucky	3.51	3.48	3.47	3.86	3.64	3.89
Louisiana	3.50	3.70	3.64	3.70	3.72	3.94
Maine	7.06	6.92	6.51	6.09	5.39	6.40
Maryland	6.41	7.16	6.26	6.61	4.59	3.90
Massachusetts	NA	10.96	9.51	6.47	5.35	4.69
Michigan	3.12	3.15	3.14	3.27	3.05	3.32
Minnesota	NA	NA	4.31	NA	3.12	3.62
Mississippi	3.45	3.76	3.84	3.86	3.72	3.92
Missouri	7.20	7.02	6.61	6.36	3.93	3.71
Montana	3.13	2.70	2.86	NA	2.94	NA
Nebraska	4.53	4.26	4.24	3.92	3.10	3.74
Nevada	3.01	3.40	3.48	3.08	3.34	3.20
New Hampshire	9.77	9.35	NA	6.11	4.38	5.01
New Jersey	4.96	4.12	4.65	4.15	4.29	4.34
New Mexico	3.25	2.93	3.00	2.45	2.41	3.08
New York	8.49	8.04	7.08	6.08	3.56	3.19
North Carolina	5.75	6.07	5.78	5.20	3.87	3.26
North Dakota	NA	3.20	NA	NA	2.88	NA
Ohio	2.86	NA	NA	NA	3.45	3.56
Oklahoma	4.41	5.02	4.52	3.66	3.44	3.60
Oregon	5.53	5.85	4.74	4.88	3.54	3.43
Pennsylvania	NA	6.28	5.98	6.13	3.74	4.09
Rhode Island	2.41	2.39	2.35	2.35	2.33	2.32
South Carolina	4.09	4.13	4.16	4.20	4.21	3.90
South Dakota	4.68	4.09	NA	NA	2.91	NA
Tennessee	3.86	4.13	3.97	3.83	3.58	3.81
Texas	4.75	4.74	4.71	4.54	NA	5.29
Utah	3.29	NA	3.86	4.64	5.52	5.54
Vermont	4.07	3.97	3.77	3.86	4.61	4.75
Virginia	6.37	6.09	5.95	5.68	4.60	3.62
Washington	3.36	3.64	3.66	3.29	3.00	3.01
West Virginia	5.72	NA	5.01	4.12	3.47	3.40
Wisconsin	4.55	4.41	4.62	4.04	3.44	3.75
Wyoming	NA	NA	NA	NA	NA	NA
Total	4.84	4.71	4.46	4.13	3.64	3.71

See footnotes at end of table.

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

State	2018			2017		
	February	January	Total	December	November	October
Alabama	NA	3.37	3.80	3.42	3.62	3.77
Alaska	8.25	8.24	7.03	6.94	7.02	6.59
Arizona	4.25	4.49	4.36	4.36	5.06	3.87
Arkansas	3.98	3.85	4.70	3.79	4.56	5.40
California	3.12	2.91	3.45	3.66	3.24	2.95
Colorado	3.40	3.38	3.90	3.44	3.88	3.96
Connecticut	5.04	4.85	4.44	3.70	3.71	4.22
Delaware	4.52	5.18	5.60	4.46	5.19	8.31
District of Columbia	--	--	--	--	--	--
Florida	7.85	5.65	5.77	5.60	6.41	6.32
Georgia	4.56	3.48	4.15	3.91	3.80	4.08
Hawaii	18.34	18.74	16.62	17.11	18.23	16.69
Idaho	2.85	2.67	2.90	2.72	2.90	2.24
Illinois	3.35	3.91	3.76	3.59	3.55	3.46
Indiana	3.79	3.97	3.85	3.55	3.71	3.68
Iowa	4.13	4.06	4.30	4.96	3.90	3.71
Kansas	3.72	3.71	4.51	3.83	4.24	5.08
Kentucky	4.08	3.77	3.92	3.74	3.84	3.66
Louisiana	4.30	4.17	4.02	4.06	3.92	3.91
Maine	8.95	10.35	6.50	7.90	4.99	6.17
Maryland	4.55	4.64	4.73	4.10	4.27	5.36
Massachusetts	3.59	9.36	5.28	5.24	4.60	6.28
Michigan	3.69	3.38	3.57	3.56	3.47	3.35
Minnesota	3.92	3.74	4.24	5.61	3.72	3.46
Mississippi	4.48	4.02	4.39	4.03	4.55	4.45
Missouri	3.90	3.72	4.63	3.73	4.11	5.02
Montana	3.29	3.39	3.28	3.20	3.22	2.47
Nebraska	3.96	4.04	4.31	4.74	3.95	3.71
Nevada	3.63	3.76	4.13	3.47	4.18	3.73
New Hampshire	7.91	9.96	5.86	6.87	4.82	5.29
New Jersey	4.55	5.05	4.27	4.08	3.93	3.60
New Mexico	3.32	3.17	3.51	3.15	3.41	3.22
New York	3.41	5.75	4.29	3.90	4.17	5.11
North Carolina	3.88	3.46	3.92	3.02	3.54	4.42
North Dakota	4.15	4.24	4.28	4.36	4.17	4.23
Ohio	NA	3.66	3.96	4.22	3.89	3.57
Oklahoma	3.69	3.61	4.52	3.96	4.51	4.84
Oregon	3.47	3.61	3.90	3.44	3.76	3.75
Pennsylvania	4.19	3.85	4.26	3.64	4.00	4.47
Rhode Island	2.32	2.25	2.22	2.22	2.20	2.21
South Carolina	4.22	4.21	4.13	3.81	3.88	3.93
South Dakota	4.17	3.91	4.39	5.60	4.11	3.80
Tennessee	4.18	4.08	4.09	3.88	3.98	4.00
Texas	5.42	5.39	4.80	4.94	5.32	4.96
Utah	6.35	5.77	5.30	5.76	5.78	4.95
Vermont	5.15	5.29	5.03	5.07	4.70	4.56
Virginia	NA	4.45	4.53	3.92	4.00	4.99
Washington	3.28	3.19	3.51	3.21	3.32	2.79
West Virginia	3.89	3.36	3.86	3.52	3.61	3.88
Wisconsin	4.36	4.04	4.24	3.90	4.25	4.21
Wyoming	3.95	3.91	3.92	3.83	4.01	3.82
Total	3.99	4.29	4.16	4.00	3.97	4.03

See footnotes at end of table.

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

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

See footnotes at end of table.

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

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

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

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

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

State	2019					2018	
	January	Total	December	November	October	September	
Alabama	13.78	15.15	13.72	15.47	21.79	22.08	
Alaska	10.14	11.00	10.18	10.39	11.02	12.23	
Arizona	11.66	NA	12.28	14.16	18.44	20.97	
Arkansas	10.72	11.65	9.93	10.21	16.74	20.97	
California	13.87	NA	13.08	11.93	12.16	12.30	
Colorado	7.17	7.67	6.25	6.65	7.93	13.17	
Connecticut	13.17	NA	13.45	13.18	16.50	22.39	
Delaware	10.52	NA	10.84	12.89	20.85	NA	
District of Columbia	12.23	11.83	11.25	12.09	16.83	20.98	
Florida	18.16	21.56	19.63	23.82	27.03	26.09	
Georgia	11.98	14.84	11.68	12.27	23.01	29.61	
Hawaii	38.92	43.48	42.94	43.42	48.05	47.36	
Idaho	5.99	NA	5.91	6.10	6.99	9.31	
Illinois	6.86	8.16	7.30	6.92	9.84	17.47	
Indiana	7.27	NA	8.16	7.77	10.65	NA	
Iowa	7.47	8.93	8.37	8.72	12.29	18.67	
Kansas	8.31	NA	NA	7.73	12.32	18.83	
Kentucky	8.80	NA	9.07	9.08	13.51	NA	
Louisiana	10.18	NA	9.85	11.76	16.90	16.62	
Maine	15.84	NA	16.80	14.52	15.73	23.71	
Maryland	11.15	11.75	11.78	11.13	14.17	20.80	
Massachusetts	15.06	NA	15.16	13.40	13.28	16.02	
Michigan	7.31	8.19	7.78	7.43	8.25	12.34	
Minnesota	8.12	NA	8.72	7.88	8.85	12.31	
Mississippi	9.55	10.22	9.52	10.38	16.41	16.67	
Missouri	8.77	10.26	9.16	9.76	16.75	23.40	
Montana	6.68	NA	6.72	6.97	7.76	10.50	
Nebraska	8.15	8.52	8.23	8.67	11.39	17.45	
Nevada	7.26	9.24	7.46	8.49	11.01	13.47	
New Hampshire	16.16	15.35	15.45	14.83	18.70	22.78	
New Jersey	9.21	9.11	9.14	9.51	9.91	12.05	
New Mexico	6.48	NA	7.65	NA	10.65	13.45	
New York	12.24	12.38	11.66	12.18	17.16	20.16	
North Carolina	11.42	NA	11.03	10.82	17.24	NA	
North Dakota	6.32	7.20	6.48	6.59	8.21	17.48	
Ohio	7.38	9.14	8.00	8.27	12.62	25.54	
Oklahoma	6.28	9.22	6.28	9.24	19.57	25.14	
Oregon	9.60	10.81	9.83	9.79	11.33	14.07	
Pennsylvania	10.30	NA	NA	10.32	13.23	19.34	
Rhode Island	14.70	NA	14.87	16.25	20.36	NA	
South Carolina	10.76	NA	10.89	10.59	20.65	27.98	
South Dakota	7.01	NA	7.31	7.92	8.88	15.04	
Tennessee	8.34	NA	8.25	8.77	14.77	18.96	
Texas	8.19	NA	8.69	10.75	16.96	22.08	
Utah	7.58	NA	7.58	7.50	8.67	10.23	
Vermont	12.01	13.41	12.24	13.27	16.70	21.78	
Virginia	10.81	11.67	11.33	11.89	15.93	19.64	
Washington	8.75	10.28	8.73	9.10	10.60	13.27	
West Virginia	8.91	NA	8.96	9.22	10.96	17.79	
Wisconsin	7.23	8.05	8.25	7.53	7.89	12.55	
Wyoming	7.13	8.65	7.04	7.98	10.49	16.79	
Total	9.43	10.53	9.63	9.43	12.26	17.32	

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					
	August	July	June	May	April	March
Alabama	21.90	21.93	21.00	17.27	15.07	15.29
Alaska	13.06	13.77	12.73	11.85	11.29	10.77
Arizona	NA	22.69	21.27	19.20	16.78	14.22
Arkansas	21.64	21.08	19.74	14.02	11.47	12.06
California	NA	12.36	12.14	12.42	11.60	12.26
Colorado	^R 14.62	^R 17.23	14.43	10.47	^R 7.39	7.31
Connecticut	23.72	22.33	19.93	NA	13.17	12.75
Delaware	24.29	23.32	20.31	14.91	12.22	11.64
District of Columbia	19.11	18.51	14.51	12.42	10.79	11.32
Florida	27.70	26.56	24.53	23.12	20.48	20.07
Georgia	29.63	27.63	27.65	21.53	14.10	13.01
Hawaii	43.50	45.44	41.62	44.49	42.51	42.16
Idaho	10.33	10.35	9.55	9.17	7.70	7.08
Illinois	19.09	18.98	15.17	12.61	7.57	7.25
Indiana	19.42	20.19	18.83	15.37	8.06	7.55
Iowa	18.83	19.70	15.09	10.94	7.89	8.11
Kansas	^R 22.58	21.99	18.46	^R 15.31	^R 11.90	^R 10.05
Kentucky	24.87	25.01	24.49	18.47	9.65	9.21
Louisiana	17.41	16.97	15.97	13.37	12.33	NA
Maine	24.72	25.84	20.22	17.01	15.58	NA
Maryland	21.01	19.57	18.38	14.33	10.31	9.79
Massachusetts	16.56	15.82	14.57	16.69	17.69	NA
Michigan	13.39	13.52	13.49	11.94	7.93	7.60
Minnesota	14.97	15.40	12.97	NA	7.75	NA
Mississippi	17.72	17.53	16.68	12.91	9.99	10.78
Missouri	24.89	24.11	22.21	13.57	9.69	9.42
Montana	11.60	10.20	9.11	7.71	7.11	NA
Nebraska	^R 17.79	15.56	15.72	10.00	^R 7.71	^R 7.72
Nevada	14.46	13.86	12.72	11.55	9.92	8.24
New Hampshire	22.73	21.07	17.88	16.60	15.68	15.51
New Jersey	12.66	12.11	11.30	9.26	7.74	8.76
New Mexico	13.09	12.79	11.23	9.32	7.94	7.28
New York	20.83	20.11	19.32	14.20	11.29	12.10
North Carolina	NA	NA	NA	20.40	13.12	10.40
North Dakota	21.42	20.79	15.45	8.71	6.49	6.09
Ohio	27.80	26.49	25.45	14.97	8.10	7.30
Oklahoma	26.63	25.69	22.84	12.34	9.00	7.97
Oregon	16.88	15.10	14.21	13.66	11.10	9.85
Pennsylvania	20.44	19.76	17.96	14.14	10.80	10.45
Rhode Island	NA	27.60	20.69	17.80	16.34	14.83
South Carolina	26.56	29.36	NA	NA	13.49	10.57
South Dakota	15.86	14.73	11.80	8.05	6.98	NA
Tennessee	NA	19.68	18.42	11.80	9.10	9.03
Texas	NA	21.64	20.20	16.22	12.92	11.17
Utah	10.44	10.24	10.26	9.44	NA	NA
Vermont	23.26	21.61	18.72	14.02	12.31	12.93
Virginia	20.61	20.51	18.27	14.22	10.95	9.38
Washington	15.81	14.98	13.36	12.99	10.34	9.93
West Virginia	18.80	18.19	17.75	NA	9.63	9.27
Wisconsin	14.53	14.06	12.39	10.22	6.93	7.33
Wyoming	^R 17.45	^R 16.08	^R 13.01	^R 9.55	^R 8.45	^R 7.82
Total	18.63	17.92	16.51	13.64	10.04	9.78

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
	February	January	Total	December	November	October
Alabama	14.15	13.38	16.11	14.72	16.97	22.17
Alaska	10.62	10.59	10.52	10.66	10.65	11.17
Arizona	13.97	13.76	15.78	14.43	17.54	20.10
Arkansas	10.82	10.08	12.97	11.81	12.80	19.52
California	12.09	12.11	12.49	11.76	11.41	12.10
Colorado	16.61	16.60	8.08	6.84	7.39	8.44
Connecticut	12.69	12.02	13.95	11.94	13.42	19.83
Delaware	11.84	NA	12.84	12.44	14.34	22.06
District of Columbia	11.32	10.31	12.53	10.47	13.14	18.88
Florida	18.77	18.08	21.15	19.69	22.42	24.92
Georgia	12.42	10.55	16.93	11.23	14.39	22.07
Hawaii	42.05	39.90	38.88	39.57	39.91	39.77
Idaho	NA	7.33	7.65	6.82	7.15	7.43
Illinois	6.91	6.66	8.83	6.81	7.47	10.49
Indiana	7.99	6.90	8.94	6.56	7.77	10.47
Iowa	7.84	7.35	9.30	8.52	9.68	13.37
Kansas	18.90	18.70	10.95	9.02	8.98	14.20
Kentucky	9.68	8.53	11.62	9.03	10.65	14.80
Louisiana	9.92	8.72	13.04	10.76	13.25	16.52
Maine	16.46	14.65	14.61	13.59	14.14	18.92
Maryland	11.85	10.40	12.97	11.46	12.12	18.42
Massachusetts	16.21	14.22	13.32	13.78	12.74	12.26
Michigan	7.74	7.41	8.38	7.30	7.66	9.50
Minnesota	8.72	7.84	8.47	7.91	7.73	8.93
Mississippi	9.08	7.68	11.83	9.72	11.40	16.62
Missouri	8.56	8.11	11.78	9.87	12.26	22.34
Montana	6.95	7.00	7.62	7.42	7.47	8.21
Nebraska	17.42	6.94	9.01	7.91	8.69	14.15
Nevada	8.15	8.12	8.82	8.26	9.97	11.06
New Hampshire	13.93	13.28	14.55	14.36	16.92	22.75
New Jersey	8.63	8.87	9.14	9.53	10.00	11.24
New Mexico	7.06	7.08	9.22	8.05	9.02	12.87
New York	11.23	9.51	12.04	10.52	13.07	17.16
North Carolina	13.44	9.72	13.29	10.70	11.93	19.66
North Dakota	5.95	5.85	7.64	6.05	6.47	9.09
Ohio	7.61	6.45	9.72	7.02	8.78	15.19
Oklahoma	7.37	6.72	11.40	8.65	11.14	24.54
Oregon	9.81	10.85	10.59	9.77	10.43	11.18
Pennsylvania	10.86	10.02	11.40	10.38	11.33	16.27
Rhode Island	13.45	13.13	14.02	14.01	15.34	19.30
South Carolina	15.91	NA	14.57	11.48	12.83	19.35
South Dakota	6.89	6.86	8.18	7.55	7.66	11.01
Tennessee	8.74	7.89	10.31	8.66	10.32	16.00
Texas	9.61	8.84	13.61	11.91	14.66	20.64
Utah	10.08	9.40	9.05	9.76	9.14	8.22
Vermont	11.80	12.37	14.12	13.22	15.43	19.84
Virginia	11.63	10.04	12.34	10.54	11.89	20.00
Washington	9.62	10.18	10.62	9.66	10.22	10.92
West Virginia	9.27	8.94	9.43	9.00	9.41	11.26
Wisconsin	7.65	7.38	8.40	7.51	7.87	9.12
Wyoming	17.80	17.65	9.01	7.97	8.45	9.55
Total	19.64	8.91	10.91	9.29	10.15	13.36

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					
	September	August	July	June	May	April
Alabama	22.63	22.97	22.15	21.14	20.57	16.19
Alaska	12.13	13.39	13.72	12.79	11.00	10.23
Arizona	22.25	23.41	22.74	20.48	18.19	16.82
Arkansas	20.36	21.39	20.16	18.25	15.66	14.02
California	12.28	12.53	12.55	13.14	12.96	12.51
Colorado	12.16	13.78	14.70	12.67	9.17	8.04
Connecticut	21.74	22.65	22.04	18.83	16.62	13.81
Delaware	22.02	24.65	22.84	18.85	16.02	12.07
District of Columbia	19.33	21.24	18.15	16.92	16.24	12.27
Florida	24.47	26.57	25.36	24.01	22.19	19.77
Georgia	31.00	32.32	32.42	29.52	27.26	18.21
Hawaii	39.98	40.28	39.99	37.63	39.21	38.06
Idaho	9.46	10.87	11.26	10.46	8.32	8.02
Illinois	16.81	17.86	16.90	15.32	11.11	10.22
Indiana	17.64	20.65	20.06	19.15	11.89	11.67
Iowa	18.63	17.36	17.65	14.96	10.83	8.95
Kansas	21.05	22.57	21.69	19.45	18.15	12.84
Kentucky	22.54	24.81	24.49	23.98	18.07	13.70
Louisiana	16.49	17.30	16.44	15.43	14.89	13.56
Maine	23.14	24.48	23.45	17.86	14.97	14.11
Maryland	20.14	21.61	20.23	18.91	16.53	14.62
Massachusetts	15.45	15.95	15.46	13.48	13.63	13.22
Michigan	12.19	13.79	14.46	13.24	9.89	9.22
Minnesota	11.95	13.40	13.36	12.48	9.69	8.44
Mississippi	18.00	18.07	17.37	16.11	15.02	12.82
Missouri	25.33	27.73	26.50	21.51	15.45	12.35
Montana	10.53	11.64	10.99	9.59	8.08	7.51
Nebraska	17.19	17.53	16.79	14.15	10.36	8.70
Nevada	12.81	14.10	13.23	11.62	10.63	8.99
New Hampshire	24.80	25.25	22.46	16.35	14.31	12.22
New Jersey	11.55	12.08	11.86	10.28	9.66	8.31
New Mexico	14.89	15.78	15.10	12.74	10.44	9.03
New York	18.12	19.05	19.13	16.28	14.45	11.10
North Carolina	22.88	23.14	22.49	23.15	19.75	17.86
North Dakota	15.60	20.47	21.82	19.59	13.01	7.59
Ohio	23.38	27.28	26.34	23.63	14.49	10.25
Oklahoma	26.70	29.06	25.92	21.84	15.91	13.17
Oregon	14.68	16.69	15.42	14.30	12.23	10.98
Pennsylvania	17.48	20.04	19.34	16.79	13.12	11.68
Rhode Island	19.93	20.19	19.15	16.38	15.11	13.18
South Carolina	25.03	26.44	24.68	24.33	21.98	17.13
South Dakota	14.40	14.62	14.52	12.01	9.06	7.73
Tennessee	17.18	19.34	18.74	16.89	14.15	10.96
Texas	21.76	23.39	20.93	18.54	17.09	15.59
Utah	10.38	11.21	10.88	9.56	8.35	9.15
Vermont	21.13	22.39	21.62	18.03	15.03	12.94
Virginia	20.71	22.04	20.79	18.59	17.62	13.56
Washington	13.81	16.05	15.38	14.64	12.02	10.66
West Virginia	14.16	17.51	18.81	14.75	11.56	9.55
Wisconsin	13.59	14.31	15.03	12.99	8.98	9.03
Wyoming	15.05	17.86	17.26	12.41	10.07	9.32
Total	16.92	18.22	17.86	16.06	13.26	11.34

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		
	March	February	January
Alabama	14.51	14.69	13.50
Alaska	9.58	9.61	9.44
Arizona	15.32	12.66	12.70
Arkansas	12.52	11.81	10.40
California	12.41	12.65	13.10
Colorado	7.92	7.44	6.86
Connecticut	12.30	13.18	12.39
Delaware	11.34	11.04	10.65
District of Columbia	11.67	10.92	10.93
Florida	19.42	18.38	17.71
Georgia	13.69	13.57	11.84
Hawaii	38.69	37.91	36.66
Idaho	8.08	7.53	7.23
Illinois	7.95	8.39	7.58
Indiana	7.74	8.64	7.68
Iowa	7.71	7.98	7.62
Kansas	10.01	9.83	8.50
Kentucky	10.39	10.88	9.23
Louisiana	12.71	12.30	10.89
Maine	13.03	13.70	13.71
Maryland	10.86	12.26	11.35
Massachusetts	12.90	13.11	12.91
Michigan	7.77	7.98	7.59
Minnesota	7.63	8.06	8.05
Mississippi	10.64	10.67	10.02
Missouri	10.48	9.32	8.27
Montana	7.38	7.29	6.73
Nebraska	7.87	7.93	7.38
Nevada	7.76	7.10	6.96
New Hampshire	12.75	13.60	13.26
New Jersey	8.65	8.16	8.36
New Mexico	8.07	8.16	7.86
New York	10.81	11.04	9.86
North Carolina	11.65	13.82	11.72
North Dakota	6.46	6.79	5.93
Ohio	7.73	8.15	7.13
Oklahoma	10.28	8.78	7.13
Oregon	10.67	9.89	9.16
Pennsylvania	10.33	10.32	9.70
Rhode Island	12.79	12.72	12.58
South Carolina	11.79	15.05	13.40
South Dakota	7.46	7.80	6.89
Tennessee	9.62	9.29	8.55
Texas	12.25	10.61	9.56
Utah	9.18	8.78	8.40
Vermont	12.53	12.47	12.79
Virginia	10.54	11.78	9.99
Washington	10.24	10.04	9.75
West Virginia	8.47	8.39	8.19
Wisconsin	7.49	7.56	8.05
Wyoming	8.51	8.09	7.51
Total	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
	January	Total	December	November	October	September
Alabama	11.39	11.92	11.43	11.73	12.34	12.42
Alaska	9.36	9.97	9.30	9.58	9.87	10.60
Arizona	7.36	NA	7.65	8.00	8.52	NA
Arkansas	7.88	8.06	7.57	7.60	7.88	8.65
California	10.39	NA	10.07	NA	7.63	8.40
Colorado	6.76	NA	5.98	6.20	6.74	9.20
Connecticut	9.11	9.20	9.22	8.84	10.16	11.04
Delaware	9.09	NA	8.61	NA	13.16	NA
District of Columbia	11.52	NA	10.87	11.14	10.61	10.09
Florida	NA	NA	11.19	11.49	11.25	12.02
Georgia	9.33	8.07	7.36	8.04	8.56	9.03
Hawaii	26.65	31.16	28.99	30.65	33.41	32.51
Idaho	5.31	NA	5.27	5.35	5.44	6.39
Illinois	6.36	7.25	6.61	6.42	8.18	12.72
Indiana	6.47	NA	7.14	6.90	7.24	NA
Iowa	6.37	NA	7.17	6.91	6.88	NA
Kansas	7.74	8.71	7.59	6.94	9.01	12.50
Kentucky	7.71	8.39	7.79	7.69	9.38	10.67
Louisiana	9.16	NA	8.76	8.50	8.68	8.05
Maine	13.79	NA	14.40	12.06	11.06	12.61
Maryland	9.09	NA	9.61	9.28	NA	NA
Massachusetts	12.37	NA	12.59	10.48	9.23	10.53
Michigan	6.46	NA	6.81	6.50	7.08	8.87
Minnesota	7.25	NA	NA	6.65	6.02	7.54
Mississippi	9.13	NA	9.11	8.79	8.75	7.77
Missouri	7.35	7.85	7.49	8.02	9.54	10.00
Montana	6.57	NA	6.53	6.68	7.27	9.11
Nebraska	7.18	6.39	7.03	6.48	6.41	6.86
Nevada	5.38	6.34	5.53	5.74	6.42	7.02
New Hampshire	13.03	12.72	12.77	11.71	13.97	16.90
New Jersey	9.85	NA	9.91	9.27	8.45	9.33
New Mexico	5.16	NA	6.10	NA	6.07	6.18
New York	NA	7.39	7.79	7.05	6.93	6.74
North Carolina	8.83	NA	8.60	8.38	8.35	NA
North Dakota	6.15	NA	6.17	5.77	5.65	7.05
Ohio	6.09	5.99	6.13	5.85	6.40	7.54
Oklahoma	5.28	7.07	5.19	7.30	12.40	14.15
Oregon	7.93	8.63	8.04	8.07	8.67	9.39
Pennsylvania	8.56	9.42	8.94	8.77	9.97	10.94
Rhode Island	12.30	12.98	12.42	14.07	17.84	19.23
South Carolina	9.05	NA	NA	8.52	9.15	9.12
South Dakota	5.83	NA	6.07	6.18	6.02	7.51
Tennessee	7.90	8.35	7.98	7.77	8.89	9.73
Texas	6.07	7.21	6.33	6.50	7.46	8.05
Utah	6.41	7.37	6.38	6.08	6.27	6.61
Vermont	6.98	6.65	7.27	6.55	5.71	5.52
Virginia	8.39	8.14	8.43	8.13	8.29	8.98
Washington	6.73	NA	6.81	6.90	7.82	8.53
West Virginia	7.56	8.09	7.63	7.73	8.55	10.20
Wisconsin	6.49	6.42	7.16	6.43	5.67	6.43
Wyoming	6.05	6.62	5.75	6.09	6.75	7.32
Total	7.75	7.83	7.77	7.35	7.71	8.64

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					
	August	July	June	May	April	March
Alabama	12.50	12.52	12.43	12.18	12.33	11.93
Alaska	10.84	11.43	10.84	10.51	10.16	9.89
Arizona	NA	9.14	9.38	9.44	9.23	9.16
Arkansas	9.08	8.98	9.07	8.45	7.91	8.44
California	NA	8.35	7.76	7.76	7.99	8.91
Colorado	NA	10.72	8.95	8.34	6.42	6.74
Connecticut	10.73	11.07	11.37	11.38	8.58	8.44
Delaware	13.66	NA	NA	11.25	10.22	NA
District of Columbia	10.62	10.65	9.20	10.16	10.24	NA
Florida	NA	11.54	11.69	11.52	11.44	11.34
Georgia	8.76	9.31	9.00	8.54	8.46	7.90
Hawaii	29.91	31.69	30.90	33.05	31.93	30.74
Idaho	6.64	6.86	NA	6.89	6.47	6.18
Illinois	13.52	14.15	12.29	10.72	6.78	6.54
Indiana	10.68	11.68	10.71	11.07	7.01	6.77
Iowa	8.76	8.98	7.92	7.06	6.16	6.48
Kansas	12.97	13.32	12.31	11.81	9.81	9.15
Kentucky	12.36	12.70	12.85	10.86	8.03	8.06
Louisiana	8.15	8.39	8.50	8.37	8.56	NA
Maine	13.57	13.50	12.13	12.12	12.74	12.94
Maryland	10.63	9.90	11.28	10.32	8.97	8.32
Massachusetts	10.65	10.31	9.99	13.29	14.99	NA
Michigan	9.10	NA	9.12	8.18	6.70	6.61
Minnesota	8.46	8.51	7.94	NA	6.26	NA
Mississippi	8.19	8.45	8.23	8.55	8.07	NA
Missouri	10.33	10.30	9.96	7.87	7.72	7.66
Montana	9.31	9.03	8.49	7.43	6.94	NA
Nebraska	6.82	6.51	6.40	5.66	5.87	6.44
Nevada	7.20	7.22	7.19	6.91	6.59	6.23
New Hampshire	16.76	16.42	13.77	13.76	13.50	13.25
New Jersey	9.37	NA	9.12	8.34	7.33	9.22
New Mexico	5.95	6.71	5.12	5.04	5.46	5.64
New York	6.86	7.05	7.21	7.41	7.23	7.90
North Carolina	NA	10.02	NA	9.44	8.49	7.32
North Dakota	7.37	7.40	6.64	NA	5.41	5.59
Ohio	7.77	7.97	7.24	6.72	5.64	5.53
Oklahoma	13.82	14.52	11.82	8.52	7.23	6.40
Oregon	10.11	9.72	9.46	9.38	8.90	8.29
Pennsylvania	11.96	12.33	11.80	10.91	9.68	8.96
Rhode Island	18.98	18.44	16.76	14.43	13.64	12.55
South Carolina	8.87	9.35	9.06	8.67	8.79	8.50
South Dakota	7.84	7.60	6.55	NA	5.46	NA
Tennessee	10.18	9.98	9.48	8.49	7.89	8.19
Texas	8.27	8.21	7.93	7.79	7.38	7.35
Utah	6.70	6.62	6.95	7.16	7.68	7.78
Vermont	5.34	5.56	5.27	6.01	6.54	6.88
Virginia	8.58	8.90	8.68	8.62	8.06	7.36
Washington	NA	9.31	NA	8.50	NA	7.94
West Virginia	9.97	10.36	10.44	9.60	8.00	7.79
Wisconsin	6.87	6.54	5.82	6.00	5.65	6.22
Wyoming	7.18	6.99	7.04	6.92	6.95	6.69
Total	8.74	8.93	8.65	8.46	7.66	7.74

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		
	February	January	Total	December	November	October
Alabama	11.87	11.47	12.03	11.83	12.18	12.61
Alaska	9.88	9.82	9.79	9.89	10.00	10.33
Arizona	9.13	9.20	8.97	9.17	9.44	9.40
Arkansas	8.03	7.80	8.34	8.33	8.55	8.61
California	9.16	8.93	8.76	8.64	8.00	7.78
Colorado	8.20	8.26	7.17	6.62	6.87	7.25
Connecticut	8.37	7.91	9.30	7.96	8.71	10.64
Delaware	10.03	NA	10.37	10.35	10.88	12.52
District of Columbia	11.10	9.87	10.87	10.10	11.03	11.17
Florida	11.88	11.74	10.97	10.90	11.17	11.15
Georgia	8.00	7.64	8.78	8.13	8.53	9.02
Hawaii	32.37	28.30	27.41	28.25	28.45	27.38
Idaho	NA	6.52	6.62	6.22	6.30	6.28
Illinois	6.34	6.18	7.78	6.16	6.59	7.90
Indiana	7.34	6.36	7.52	5.93	6.78	7.28
Iowa	NA	6.21	6.87	6.96	6.51	6.52
Kansas	8.19	7.95	9.36	8.24	7.99	9.97
Kentucky	7.99	7.38	9.06	7.75	8.71	10.16
Louisiana	8.89	8.47	8.99	9.00	8.84	8.71
Maine	NA	12.68	11.33	11.35	10.75	11.58
Maryland	10.11	8.82	10.27	9.39	9.84	12.05
Massachusetts	12.94	11.60	10.16	10.86	9.79	8.71
Michigan	6.77	6.48	7.02	6.40	6.61	7.57
Minnesota	7.56	6.82	6.80	6.53	6.23	6.48
Mississippi	8.42	7.61	8.82	8.58	8.73	8.59
Missouri	7.21	7.31	8.44	8.16	9.18	10.55
Montana	6.81	6.95	7.42	7.39	7.24	7.72
Nebraska	6.52	6.09	6.37	6.19	6.10	6.48
Nevada	6.23	6.21	5.71	6.06	6.40	6.48
New Hampshire	11.84	11.15	11.71	11.83	12.78	15.10
New Jersey	9.42	8.92	9.14	9.27	9.47	9.12
New Mexico	5.59	5.71	6.59	6.19	7.25	7.60
New York	7.89	7.25	6.87	6.93	6.64	6.50
North Carolina	8.10	7.40	8.92	8.11	8.54	8.83
North Dakota	5.76	5.98	6.00	5.89	5.67	5.93
Ohio	5.66	5.46	6.11	5.31	5.48	6.54
Oklahoma	6.17	5.79	8.44	6.89	8.63	14.71
Oregon	8.14	9.03	8.74	8.28	8.57	8.84
Pennsylvania	9.47	8.80	9.16	8.74	8.79	10.34
Rhode Island	11.15	10.88	11.30	11.35	12.45	15.04
South Carolina	10.25	NA	9.30	9.45	9.30	8.56
South Dakota	5.60	5.85	6.26	6.74	5.97	5.96
Tennessee	8.31	8.01	8.74	8.24	8.80	9.47
Texas	7.12	6.77	7.71	7.78	7.72	8.22
Utah	8.47	8.02	7.40	8.26	7.34	6.44
Vermont	7.48	7.80	7.04	7.19	6.17	6.07
Virginia	8.79	7.53	7.99	7.57	7.89	8.42
Washington	8.07	8.30	8.30	7.93	8.15	8.35
West Virginia	7.89	7.63	7.65	7.66	7.86	8.56
Wisconsin	6.73	6.48	6.60	6.54	6.49	5.84
Wyoming	6.77	6.68	6.92	6.61	6.74	6.96
Total	7.82	7.43	7.88	7.42	7.51	7.97

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

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		
	March	February	January
Alabama	11.49	11.36	11.15
Alaska	9.12	9.18	9.16
Arizona	8.94	8.33	8.29
Arkansas	8.25	8.13	7.59
California	9.47	9.34	9.60
Colorado	7.10	6.92	6.57
Connecticut	8.33	9.51	8.61
Delaware	9.76	9.61	9.44
District of Columbia	11.06	10.66	9.47
Florida	10.93	11.04	10.58
Georgia	8.55	8.86	8.40
Hawaii	27.41	27.16	26.22
Idaho	6.96	6.62	6.36
Illinois	7.25	7.59	6.90
Indiana	6.87	7.72	7.07
Iowa	6.12	6.40	6.41
Kansas	9.14	8.99	8.21
Kentucky	8.61	8.81	7.71
Louisiana	9.08	9.41	9.55
Maine	10.83	11.34	11.55
Maryland	9.18	9.98	9.54
Massachusetts	10.04	10.20	10.05
Michigan	6.80	6.86	6.65
Minnesota	6.36	6.94	7.08
Mississippi	8.68	9.09	9.03
Missouri	8.12	7.60	7.24
Montana	7.20	7.24	6.70
Nebraska	6.30	6.61	6.29
Nevada	5.14	5.02	5.09
New Hampshire	10.63	11.68	11.26
New Jersey	9.04	9.06	9.68
New Mexico	6.07	6.51	6.28
New York	7.14	7.51	6.82
North Carolina	8.35	9.88	8.67
North Dakota	5.67	6.32	5.74
Ohio	5.86	6.10	6.03
Oklahoma	7.91	6.88	5.94
Oregon	8.90	8.45	8.10
Pennsylvania	8.89	8.58	8.32
Rhode Island	10.42	10.45	10.02
South Carolina	8.59	10.15	10.31
South Dakota	5.77	6.43	5.77
Tennessee	8.50	8.56	8.33
Texas	7.19	7.51	7.40
Utah	7.71	7.48	7.29
Vermont	7.35	7.61	8.08
Virginia	7.19	8.45	7.44
Washington	8.22	8.22	8.03
West Virginia	7.09	7.02	6.97
Wisconsin	6.37	6.47	7.05
Wyoming	6.96	6.97	6.56
Total	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
	January	Total	December	November	October	September
Alabama	4.63	4.29	5.38	4.59	4.06	3.98
Alaska	6.09	5.69	5.73	6.00	5.96	6.00
Arizona	5.24	NA	5.26	4.63	6.01	5.64
Arkansas	6.87	6.79	6.67	6.78	6.68	6.68
California	9.15	NA	8.61	6.99	6.11	7.04
Colorado	5.78	NA	4.70	4.87	5.19	NA
Connecticut	7.20	6.63	7.48	6.53	6.39	6.15
Delaware	9.47	NA	9.09	11.09	11.53	NA
District of Columbia	--	--	--	--	--	--
Florida	NA	NA	NA	5.98	6.02	NA
Georgia	5.38	NA	6.02	4.74	4.41	4.41
Hawaii	19.59	22.62	22.29	24.11	24.18	23.38
Idaho	3.57	3.98	3.57	3.62	3.49	4.09
Illinois	5.39	NA	5.36	NA	5.60	6.34
Indiana	5.94	NA	6.25	6.17	5.22	NA
Iowa	5.40	NA	6.34	5.80	5.04	5.36
Kansas	7.09	4.56	7.28	6.58	5.44	4.57
Kentucky	5.16	NA	5.19	4.46	4.28	3.99
Louisiana	5.07	3.42	3.96	3.57	3.35	3.16
Maine	11.00	9.24	11.05	10.63	5.87	5.78
Maryland	8.61	NA	9.40	8.43	7.95	NA
Massachusetts	10.50	9.90	10.66	8.69	6.72	6.63
Michigan	5.93	6.04	6.18	5.95	6.25	6.59
Minnesota	5.37	NA	5.40	4.80	4.48	4.47
Mississippi	NA	5.00	5.79	5.13	4.87	4.53
Missouri	6.83	NA	NA	6.28	5.86	5.76
Montana	6.19	6.37	6.06	6.17	5.95	6.05
Nebraska	5.70	4.53	5.11	4.51	4.41	4.35
Nevada	4.59	5.44	4.48	4.79	5.00	5.80
New Hampshire	11.54	NA	11.42	8.92	6.98	6.93
New Jersey	9.33	NA	NA	7.15	NA	6.88
New Mexico	4.97	NA	4.40	4.20	4.24	3.48
New York	8.91	7.81	8.18	7.24	7.04	7.29
North Carolina	7.26	NA	6.57	6.29	5.91	5.67
North Dakota	4.31	3.23	4.77	3.85	2.90	2.78
Ohio	6.29	NA	6.07	6.40	NA	NA
Oklahoma	3.72	NA	4.53	2.59	2.23	2.08
Oregon	4.91	5.15	4.96	5.05	5.07	5.12
Pennsylvania	8.23	NA	7.52	8.29	8.47	9.60
Rhode Island	9.70	NA	9.72	10.57	11.37	11.12
South Carolina	5.78	4.90	6.09	5.34	4.54	4.57
South Dakota	5.23	NA	5.29	4.63	NA	5.72
Tennessee	5.92	5.05	5.97	5.00	4.55	4.41
Texas	3.91	3.39	4.83	3.84	3.47	3.19
Utah	5.55	5.49	5.80	5.03	4.66	4.73
Vermont	NA	4.55	5.24	4.72	4.35	4.30
Virginia	6.23	5.14	6.20	4.77	5.19	4.99
Washington	NA	NA	6.14	6.49	7.09	NA
West Virginia	4.08	3.51	4.80	4.05	3.31	3.18
Wisconsin	5.76	5.14	6.72	5.79	4.60	3.78
Wyoming	4.19	3.90	3.68	3.83	4.34	3.66
Total	5.04	4.20	5.46	4.51	4.04	3.75

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					
	August	July	June	May	April	March
Alabama	3.88	3.90	3.89	3.90	3.90	3.93
Alaska	5.87	6.01	5.34	5.54	4.92	5.29
Arizona	NA	6.45	6.50	6.50	NA	6.99
Arkansas	7.05	7.08	6.70	6.55	6.61	7.09
California	NA	6.43	6.09	6.08	6.35	7.43
Colorado	6.24	6.64	6.55	5.45	4.88	5.22
Connecticut	6.37	6.61	6.91	6.95	6.52	6.57
Delaware	10.79	NA	NA	11.06	9.59	9.88
District of Columbia	--	--	--	--	--	--
Florida	6.66	5.93	5.51	6.38	6.49	6.84
Georgia	4.29	4.38	NA	4.38	4.61	4.45
Hawaii	22.37	23.04	23.32	23.05	22.04	21.57
Idaho	4.06	4.20	4.12	4.22	4.18	4.08
Illinois	7.23	6.99	5.97	5.37	4.88	5.02
Indiana	7.31	7.39	6.56	6.42	6.09	5.84
Iowa	4.78	4.45	4.32	4.36	5.17	5.27
Kansas	4.30	4.30	4.32	4.35	4.58	4.71
Kentucky	3.84	3.88	3.84	3.97	4.07	4.35
Louisiana	3.43	3.14	3.29	3.44	2.99	3.64
Maine	5.79	6.41	6.30	6.81	11.17	11.71
Maryland	9.02	8.97	NA	8.47	7.95	7.50
Massachusetts	7.48	7.15	7.37	10.19	12.84	11.89
Michigan	7.02	6.20	6.75	6.27	5.89	5.96
Minnesota	4.50	4.48	4.49	NA	4.08	4.34
Mississippi	4.71	4.80	4.63	4.59	4.72	5.25
Missouri	5.65	5.80	5.63	5.97	6.96	6.79
Montana	5.81	5.65	6.19	6.21	6.80	6.55
Nebraska	4.33	4.20	3.82	3.84	4.23	5.15
Nevada	5.91	6.14	6.33	5.95	5.64	5.57
New Hampshire	7.77	7.86	NA	10.84	NA	NA
New Jersey	NA	6.82	NA	6.51	6.65	8.90
New Mexico	3.07	NA	NA	NA	3.68	4.54
New York	7.40	7.94	8.06	7.96	7.92	8.51
North Carolina	5.90	5.81	5.88	6.03	6.16	5.95
North Dakota	2.78	2.72	2.65	2.65	2.57	2.71
Ohio	NA	NA	7.44	6.65	6.11	6.23
Oklahoma	2.29	2.35	NA	1.99	1.66	2.49
Oregon	5.14	5.19	4.93	5.05	5.09	5.36
Pennsylvania	9.38	9.82	9.36	8.60	8.44	8.49
Rhode Island	10.97	11.63	11.46	11.41	NA	10.14
South Carolina	4.32	4.65	4.39	4.33	4.38	4.67
South Dakota	5.46	5.55	4.76	4.36	4.21	4.83
Tennessee	4.38	4.61	4.45	4.68	4.92	5.28
Texas	2.99	3.19	3.22	3.10	2.98	2.87
Utah	4.71	4.64	5.19	5.32	5.86	6.14
Vermont	4.26	4.22	4.14	4.18	4.22	4.33
Virginia	5.36	5.00	4.91	5.05	4.66	5.04
Washington	NA	NA	NA	7.67	7.51	7.60
West Virginia	3.15	3.25	3.17	3.14	3.07	3.10
Wisconsin	3.98	3.92	4.26	3.98	4.20	5.25
Wyoming	R3.49	3.22	R3.22	R3.89	R4.27	R4.17
Total	3.67	3.76	3.78	3.81	3.90	4.02

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		
	February	January	Total	December	November	October
Alabama	4.90	4.75	4.24	4.31	4.11	3.92
Alaska	5.57	5.68	4.63	4.73	4.59	4.02
Arizona	7.04	6.64	6.47	6.57	6.92	6.72
Arkansas	6.83	6.77	6.67	6.48	6.62	6.63
California	7.46	7.53	7.05	7.14	6.38	6.09
Colorado	5.15	5.06	5.58	5.04	5.18	7.00
Connecticut	6.57	6.43	6.48	6.12	6.08	5.97
Delaware	10.07	10.58	9.91	10.51	12.01	10.38
District of Columbia	--	--	--	--	--	--
Florida	5.87	7.36	6.17	5.82	6.20	6.26
Georgia	5.19	4.42	4.68	4.61	4.38	4.53
Hawaii	21.71	20.32	19.62	22.24	20.83	21.09
Idaho	4.14	4.25	4.44	4.38	4.02	4.35
Illinois	NA	5.17	5.76	4.86	4.99	5.10
Indiana	5.87	6.38	5.99	4.85	5.34	5.43
Iowa	NA	5.53	5.21	5.55	5.12	5.06
Kansas	6.91	7.19	4.16	5.71	4.94	4.51
Kentucky	NA	4.46	4.46	4.54	4.26	4.26
Louisiana	3.47	3.74	3.64	3.35	3.41	3.53
Maine	11.69	9.71	8.15	9.59	9.29	5.26
Maryland	7.75	8.13	9.84	9.71	9.25	10.79
Massachusetts	11.05	9.64	8.02	8.96	7.77	5.63
Michigan	5.96	5.76	5.97	5.64	5.96	6.02
Minnesota	5.30	4.82	4.48	4.66	4.05	4.40
Mississippi	5.29	5.24	5.07	5.08	4.86	4.89
Missouri	6.73	6.83	6.64	6.84	6.96	6.43
Montana	6.38	7.02	6.60	7.41	6.55	6.49
Nebraska	4.95	4.90	4.54	4.45	4.28	4.21
Nevada	5.48	5.48	5.06	5.21	5.48	5.65
New Hampshire	9.39	9.62	9.09	10.03	8.92	7.66
New Jersey	8.79	8.39	7.92	8.06	8.05	8.62
New Mexico	4.82	4.89	5.06	5.37	5.30	5.15
New York	7.90	7.38	7.21	7.20	6.71	6.44
North Carolina	6.53	NA	6.24	6.29	6.02	5.89
North Dakota	4.06	3.78	3.15	3.97	3.12	2.89
Ohio	NA	NA	6.71	6.24	6.42	7.24
Oklahoma	3.29	3.10	3.30	3.13	2.94	3.02
Oregon	5.39	5.35	5.31	5.18	5.28	5.17
Pennsylvania	NA	8.09	8.38	8.91	8.95	9.16
Rhode Island	8.75	8.62	8.48	8.62	8.45	8.41
South Carolina	5.40	6.08	4.86	5.17	4.54	4.58
South Dakota	4.74	4.67	5.09	4.87	4.61	5.35
Tennessee	5.96	5.57	5.04	5.22	4.95	4.69
Texas	3.78	3.32	3.28	3.22	2.98	3.12
Utah	6.33	6.25	5.51	6.02	5.45	5.15
Vermont	5.00	5.08	4.92	4.71	4.40	4.42
Virginia	5.33	5.07	5.04	5.15	4.64	4.69
Washington	7.62	7.49	7.39	7.45	7.34	7.11
West Virginia	4.36	3.40	3.21	4.12	4.07	3.03
Wisconsin	6.13	5.66	5.34	5.60	5.54	4.46
Wyoming	RA4.20	RA4.02	4.28	4.21	4.25	4.36
Total	4.86	4.48	4.10	4.21	3.85	3.79

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

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

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

Sources: 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
	January	Total	December	November	October	September
Alabama	W	W	W	W	W	W
Alaska	7.72	7.91	7.72	7.72	7.72	7.72
Arizona	W	3.06	W	W	W	W
Arkansas	W	W	W	W	W	W
California	W	4.75	6.34	W	3.78	3.58
Colorado	W	W	W	W	W	W
Connecticut	7.12	4.72	7.41	5.37	3.67	3.21
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	W	W	W	W	W	W
Georgia	W	3.84	W	W	W	3.55
Hawaii	--	--	--	--	--	--
Idaho	3.48	3.38	5.43	4.93	--	2.86
Illinois	3.92	3.32	W	W	3.50	3.11
Indiana	3.44	3.43	W	W	3.54	3.28
Iowa	3.12	3.02	3.81	3.61	3.26	2.90
Kansas	4.00	3.30	5.54	4.20	4.06	3.01
Kentucky	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W
Maine	--	W	--	W	W	W
Maryland	W	4.31	W	4.44	3.38	3.38
Massachusetts	W	5.09	W	5.75	W	3.05
Michigan	3.53	3.41	4.36	4.35	3.72	3.37
Minnesota	W	3.80	6.08	W	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Montana	1.79	1.33	1.19	1.56	1.01	1.41
Nebraska	4.01	3.91	5.22	4.82	4.15	3.93
Nevada	4.53	3.29	6.45	4.03	2.96	2.82
New Hampshire	W	W	W	W	W	W
New Jersey	4.58	3.25	3.99	3.80	2.76	2.63
New Mexico	2.72	2.54	2.42	2.51	2.35	2.19
New York	5.76	3.89	5.42	4.44	3.20	3.01
North Carolina	W	W	W	W	W	W
North Dakota	6.16	6.14	6.65	8.85	4.67	5.16
Ohio	3.40	3.25	4.23	4.17	3.36	3.04
Oklahoma	W	W	W	W	W	W
Oregon	W	W	W	W	W	W
Pennsylvania	3.66	3.10	3.92	3.83	2.74	2.55
Rhode Island	W	W	W	W	W	W
South Carolina	W	3.97	W	W	W	W
South Dakota	--	--	--	--	--	--
Tennessee	3.50	3.13	4.35	3.88	3.27	2.92
Texas	3.21	3.17	3.87	3.81	3.29	2.97
Utah	4.49	3.23	5.92	4.16	2.89	2.73
Vermont	--	--	--	--	--	--
Virginia	W	4.33	W	4.60	3.67	3.23
Washington	W	W	W	W	W	W
West Virginia	3.66	2.98	5.07	W	W	W
Wisconsin	3.72	3.29	3.97	3.96	3.39	3.05
Wyoming	W	3.27	W	W	W	2.96
Total	4.16	3.67	4.89	4.32	3.50	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					
	August	July	June	May	April	March
Alabama	W	W	W	W	W	W
Alaska	7.72	7.76	7.76	7.76	7.76	8.44
Arizona	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W
California	5.88	7.92	3.36	2.88	3.06	W
Colorado	W	W	W	W	W	W
Connecticut	3.22	3.04	2.79	2.74	3.92	4.25
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	W	W	W	W	W	W
Georgia	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--
Idaho	2.69	2.63	2.27	--	--	--
Illinois	3.15	3.10	2.90	3.17	W	W
Indiana	3.24	3.07	3.14	3.10	W	W
Iowa	3.12	2.78	2.79	2.63	2.84	2.54
Kansas	3.23	3.27	2.95	2.67	3.10	3.03
Kentucky	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W
Maine	W	W	--	W	W	W
Maryland	3.47	3.34	3.47	3.56	3.27	3.24
Massachusetts	3.21	2.90	2.84	2.47	5.54	4.27
Michigan	3.40	3.20	3.18	2.98	3.11	2.86
Minnesota	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Montana	1.04	1.26	1.01	1.14	1.26	1.68
Nebraska	3.66	3.24	3.37	3.05	3.94	4.53
Nevada	3.37	3.08	2.60	2.40	2.76	2.91
New Hampshire	W	W	W	W	W	W
New Jersey	2.94	2.71	2.70	2.52	2.90	2.95
New Mexico	2.45	2.59	2.64	2.18	2.04	2.59
New York	3.21	3.09	2.95	2.82	3.19	3.50
North Carolina	W	W	W	W	W	W
North Dakota	3.17	5.63	5.39	2.24	5.50	2.74
Ohio	3.03	2.98	2.95	2.76	2.87	2.72
Oklahoma	W	W	W	W	W	W
Oregon	W	W	W	W	W	W
Pennsylvania	2.80	2.62	2.53	2.44	2.65	2.66
Rhode Island	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W
South Dakota	--	--	--	--	--	--
Tennessee	2.87	2.73	2.91	2.61	2.59	2.77
Texas	3.05	2.95	3.01	2.87	2.84	2.75
Utah	2.87	2.73	2.61	2.49	2.54	2.89
Vermont	--	--	--	--	--	--
Virginia	3.37	3.23	3.29	3.24	3.50	W
Washington	W	W	W	W	W	W
West Virginia	W	W	W	W	W	W
Wisconsin	3.04	2.96	3.10	2.96	3.24	2.92
Wyoming	W	W	W	W	W	W
Total	3.39	3.41	3.21	3.15	3.25	3.32

See footnotes at end of table.

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

State	2018				2017	
	February	January	Total	December	November	October
Alabama	W	W	W	W	W	W
Alaska	8.44	8.44	8.10	8.13	8.13	8.09
Arizona	3.33	W	3.68	W	W	W
Arkansas	W	W	W	W	W	W
California	3.72	3.79	W	W	W	W
Colorado	W	W	W	W	W	W
Connecticut	7.69	11.06	W	W	4.17	2.86
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	W	W	W	4.58	4.38	W
Georgia	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--
Idaho	3.32	--	--	--	--	--
Illinois	W	4.90	3.11	W	W	W
Indiana	W	4.32	W	W	W	W
Iowa	2.65	4.17	3.24	5.61	3.18	2.76
Kansas	3.46	4.32	3.68	4.27	3.52	3.24
Kentucky	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W
Maine	W	W	W	W	--	W
Maryland	W	W	W	4.89	3.28	3.21
Massachusetts	W	14.30	3.82	8.72	W	W
Michigan	2.99	3.97	3.27	3.09	3.30	3.11
Minnesota	W	W	W	3.16	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	3.03	2.97	2.73	2.68
Montana	1.82	2.06	1.85	1.98	1.91	0.72
Nebraska	4.74	6.76	4.19	5.97	4.89	4.02
Nevada	3.39	3.37	3.50	3.47	3.40	3.14
New Hampshire	W	W	W	W	W	W
New Jersey	3.07	7.90	3.01	5.39	2.95	1.63
New Mexico	3.06	4.18	3.58	3.67	3.69	3.36
New York	5.50	8.21	3.44	5.12	3.40	2.33
North Carolina	W	W	W	W	W	W
North Dakota	16.91	15.38	5.31	7.74	5.43	8.67
Ohio	2.96	3.63	3.05	3.00	2.94	2.89
Oklahoma	W	W	W	W	W	W
Oregon	W	W	W	W	W	W
Pennsylvania	3.36	5.92	2.58	3.93	2.37	1.47
Rhode Island	W	W	W	W	W	W
South Carolina	3.68	W	W	W	W	W
South Dakota	--	--	--	--	--	--
Tennessee	3.17	3.61	3.04	3.02	2.92	2.88
Texas	2.90	4.07	3.13	2.95	3.10	3.11
Utah	3.39	3.19	W	W	W	W
Vermont	--	--	--	--	--	--
Virginia	W	W	3.48	W	W	W
Washington	W	W	4.11	4.13	4.39	3.70
West Virginia	W	W	W	W	W	W
Wisconsin	3.38	3.99	W	3.04	3.39	3.16
Wyoming	W	W	W	3.10	3.69	W
Total	3.74	5.35	3.52	3.81	3.50	3.27

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

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		
	March	February	January
Alabama	W	W	W
Alaska	8.09	8.09	8.09
Arizona	W	W	W
Arkansas	W	W	W
California	W	W	W
Colorado	W	W	W
Connecticut	W	5.84	8.10
Delaware	--	--	--
District of Columbia	--	--	--
Florida	4.02	4.38	4.92
Georgia	W	W	W
Hawaii	--	--	--
Idaho	--	--	--
Illinois	W	W	W
Indiana	W	W	W
Iowa	4.71	4.85	5.12
Kansas	3.52	4.82	4.92
Kentucky	W	5.96	W
Louisiana	W	W	W
Maine	W	W	W
Maryland	4.90	4.25	5.50
Massachusetts	4.35	W	W
Michigan	3.16	3.18	3.63
Minnesota	W	3.49	4.49
Mississippi	W	W	W
Missouri	2.59	3.05	3.43
Montana	2.09	2.25	2.36
Nebraska	5.17	6.48	5.61
Nevada	3.60	3.80	4.37
New Hampshire	W	W	W
New Jersey	3.45	3.64	4.06
New Mexico	3.27	3.65	4.02
New York	4.26	4.54	5.41
North Carolina	W	W	W
North Dakota	5.52	4.80	6.31
Ohio	2.93	3.26	3.84
Oklahoma	W	W	W
Oregon	W	W	W
Pennsylvania	2.86	3.21	4.12
Rhode Island	W	W	W
South Carolina	W	W	W
South Dakota	--	--	--
Tennessee	3.00	3.09	3.82
Texas	3.02	3.13	3.47
Utah	W	W	W
Vermont	--	--	--
Virginia	W	W	W
Washington	3.74	5.57	4.95
West Virginia	W	W	W
Wisconsin	W	W	W
Wyoming	10.87	W	4.04
Total	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						2018		
	January			Total			December		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	80.9	25.0	100.0	78.8	25.8	100.0	82.0	26.1
Alaska	100.0	NA	100.0	100.0	NA	100.0	100.0	NA	100.0
Arizona	100.0	76.4	13.8	NA	NA	NA	100.0	73.5	12.7
Arkansas	100.0	49.3	1.8	100.0	40.2	NA	100.0	46.4	1.9
California	95.0	53.3	4.2	NA	NA	NA	95.3	54.6	4.4
Colorado	100.0	95.2	9.4	100.0	NA	NA	100.0	94.9	8.5
Connecticut	96.6	79.2	52.1	NA	76.9	50.9	96.7	78.1	54.7
Delaware	100.0	41.4	0.3	NA	NA	NA	100.0	42.5	0.4
District of Columbia	75.8	21.1	0.0	75.6	NA	0.0	76.3	23.7	0.0
Florida	91.1	NA	NA	91.6	NA	NA	91.4	32.1	NA
Georgia	100.0	100.0	24.1	100.0	100.0	NA	100.0	100.0	23.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	83.3	2.7	100.0	NA	2.9	100.0	84.0	3.0
Illinois	89.1	41.5	9.7	86.8	34.7	NA	87.8	38.7	9.8
Indiana	96.2	72.1	2.3	NA	NA	NA	96.2	69.7	2.1
Iowa	100.0	71.9	3.0	100.0	NA	NA	100.0	68.3	3.6
Kansas	100.0	63.1	1.2	NA	52.6	6.1	NA	58.0	0.9
Kentucky	97.6	82.6	15.1	NA	79.5	NA	97.2	82.1	17.2
Louisiana	100.0	80.1	3.4	NA	NA	NA	100.0	79.5	2.9
Maine	100.0	66.5	9.5	100.0	NA	8.4	100.0	66.2	9.0
Maryland	74.7	33.5	8.4	NA	NA	NA	76.2	31.4	4.4
Massachusetts	97.6	45.7	30.5	NA	NA	28.4	97.5	48.3	29.8
Michigan	94.6	66.1	10.5	93.7	NA	NA	93.5	61.4	10.0
Minnesota	100.0	92.1	22.1	NA	NA	NA	100.0	NA	22.0
Mississippi	100.0	88.7	NA	99.8	NA	8.6	100.0	87.5	9.2
Missouri	100.0	77.6	15.8	100.0	74.1	NA	100.0	77.3	NA
Montana	99.6	52.2	2.0	NA	NA	1.5	99.5	48.5	2.0
Nebraska	87.9	59.2	7.1	88.2	55.2	6.1	88.6	58.9	6.8
Nevada	100.0	67.6	17.3	100.0	58.6	14.3	100.0	66.0	20.6
New Hampshire	100.0	59.5	11.1	100.0	56.4	NA	100.0	58.0	8.0
New Jersey	96.0	51.0	15.7	95.5	NA	NA	95.9	43.9	NA
New Mexico	100.0	61.1	3.0	NA	NA	NA	100.0	NA	NA
New York	100.0	NA	8.2	100.0	100.0	NA	100.0	100.0	7.3
North Carolina	100.0	90.6	15.2	100.0	NA	NA	100.0	89.0	14.2
North Dakota	100.0	95.0	37.6	100.0	NA	37.2	100.0	94.4	41.8
Ohio	100.0	100.0	1.2	100.0	100.0	NA	100.0	100.0	1.3
Oklahoma	100.0	50.8	8.0	100.0	45.4	NA	100.0	48.3	8.0
Oregon	100.0	95.1	16.2	100.0	NA	15.6	100.0	95.4	17.0
Pennsylvania	87.9	40.7	NA	NA	36.9	NA	NA	38.8	1.5
Rhode Island	100.0	55.2	5.3	100.0	53.5	NA	100.0	54.1	5.6
South Carolina	100.0	94.3	40.1	100.0	NA	NA	100.0	NA	39.5
South Dakota	100.0	81.4	6.5	NA	NA	NA	100.0	81.7	7.5
Tennessee	100.0	92.5	24.8	100.0	NA	NA	100.0	91.5	25.3
Texas	100.0	78.7	31.3	NA	72.2	35.7	99.9	76.6	33.6
Utah	100.0	74.6	2.6	100.0	NA	2.8	100.0	72.4	2.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	91.6	59.4	11.5	NA	NA	NA	91.1	56.3	11.0
Washington	100.0	88.0	NA	100.0	NA	NA	100.0	89.4	10.3
West Virginia	100.0	65.1	3.5	NA	55.1	4.1	100.0	61.4	3.7
Wisconsin	100.0	79.1	18.8	100.0	73.0	17.8	100.0	78.6	19.6
Wyoming	69.9	57.6	1.1	70.2	50.7	1.4	68.9	56.7	1.2
Total	96.3	70.0	13.3	96.0	65.6	14.2	96.2	68.8	14.3

See footnotes at end of table.

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

State	2018								
	November			October			September		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	73.5	25.4	100.0	70.2	25.7	100.0	73.2	24.1
Alaska	100.0	99.1	100.0	100.0	98.2	100.0	100.0	95.8	100.0
Arizona	100.0	71.3	13.3	100.0	70.8	13.4	100.0	NA	14.3
Arkansas	100.0	35.5	1.7	100.0	25.0	1.3	100.0	23.9	1.3
California	94.9	NA	4.2	94.5	46.7	4.6	94.4	48.2	3.5
Colorado	100.0	95.1	8.4	100.0	94.5	6.6	100.0	R90.2	NA
Connecticut	95.8	75.6	51.1	94.8	73.3	46.6	95.3	72.0	52.3
Delaware	100.0	NA	NA	100.0	19.5	0.3	100.0	NA	NA
District of Columbia	74.0	22.1	0.0	71.1	20.3	0.0	73.2	18.8	0.0
Florida	90.6	30.2	R2.9	91.5	27.8	R2.9	91.9	27.0	NA
Georgia	100.0	100.0	24.0	100.0	100.0	25.1	100.0	100.0	24.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	79.3	2.8	100.0	70.7	2.6	100.0	61.5	3.0
Illinois	90.3	39.5	NA	90.9	33.9	4.8	87.9	21.1	3.1
Indiana	96.1	68.2	1.8	95.5	66.4	NA	NA	NA	NA
Iowa	100.0	69.9	3.7	100.0	64.5	2.7	100.0	NA	1.9
Kansas	100.0	58.2	1.0	100.0	R38.3	2.0	100.0	R27.7	6.0
Kentucky	98.2	79.7	15.1	98.7	75.8	16.3	NA	70.1	16.1
Louisiana	100.0	74.6	4.0	100.0	72.5	3.6	100.0	76.1	3.5
Maine	100.0	60.3	8.8	100.0	50.2	7.0	100.0	46.7	5.6
Maryland	77.2	26.7	3.2	77.5	NA	2.3	72.7	NA	NA
Massachusetts	97.6	39.9	27.7	97.4	32.5	21.9	97.4	28.7	23.5
Michigan	94.3	61.1	6.6	94.8	48.7	5.5	94.4	42.6	2.6
Minnesota	100.0	89.0	22.4	100.0	86.2	17.6	100.0	80.6	15.6
Mississippi	100.0	83.9	9.6	100.0	79.7	8.0	100.0	77.2	8.1
Missouri	100.0	71.7	12.5	100.0	62.1	9.3	100.0	57.4	9.7
Montana	99.5	44.0	1.3	99.5	42.4	1.2	99.4	26.0	0.7
Nebraska	87.3	R51.7	5.9	R86.1	44.6	5.0	89.3	R41.0	5.4
Nevada	100.0	58.9	15.8	100.0	51.0	13.5	100.0	48.8	10.2
New Hampshire	100.0	55.1	6.1	100.0	48.0	4.6	100.0	47.0	3.7
New Jersey	96.0	41.1	NA	96.1	39.6	NA	95.6	29.7	NA
New Mexico	NA	NA	6.5	99.9	43.8	7.9	100.0	50.6	8.2
New York	100.0	100.0	4.7	100.0	100.0	4.1	100.0	100.0	3.3
North Carolina	100.0	88.0	12.6	100.0	85.8	11.0	100.0	NA	11.1
North Dakota	100.0	93.6	31.6	100.0	93.3	39.3	100.0	86.4	39.8
Ohio	100.0	100.0	1.1	100.0	100.0	NA	100.0	100.0	NA
Oklahoma	100.0	32.8	8.1	100.0	24.6	6.2	100.0	28.9	8.1
Oregon	100.0	94.6	15.7	100.0	93.6	14.9	100.0	92.4	16.0
Pennsylvania	88.7	37.3	0.9	89.2	31.3	0.5	87.5	26.7	0.3
Rhode Island	100.0	52.1	4.9	100.0	53.9	4.5	100.0	53.2	4.7
South Carolina	100.0	93.2	41.4	100.0	91.0	39.9	100.0	90.3	39.8
South Dakota	100.0	77.5	6.1	100.0	75.6	NA	100.0	70.0	1.6
Tennessee	100.0	88.3	NA	100.0	82.2	23.3	100.0	79.6	21.9
Texas	99.9	71.0	34.9	99.8	65.4	35.4	99.2	59.6	36.0
Utah	100.0	67.3	2.5	100.0	60.0	2.6	100.0	53.5	2.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	91.7	56.3	12.5	94.0	48.3	9.2	90.1	41.6	NA
Washington	100.0	88.1	7.3	100.0	86.0	5.6	100.0	82.0	NA
West Virginia	100.0	59.9	4.0	100.0	46.3	3.8	100.0	31.9	4.0
Wisconsin	100.0	75.2	19.3	100.0	67.0	19.0	100.0	53.4	15.6
Wyoming	70.1	R57.1	1.1	69.7	56.6	0.9	72.5	R47.2	R1.0
Total	96.4	66.5	14.2	96.5	61.0	R13.7	96.2	56.5	R13.7

See footnotes at end of table.

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

State	2018								
	August			July			June		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	71.9	25.6	100.0	71.1	24.5	100.0	73.7	25.3
Alaska	100.0	95.5	100.0	100.0	95.8	100.0	100.0	96.6	100.0
Arizona	NA	NA	NA	100.0	69.6	12.7	100.0	NA	13.3
Arkansas	100.0	23.5	1.4	100.0	24.3	1.2	100.0	24.8	1.1
California	NA	NA	NA	94.5	49.1	3.3	94.6	50.6	4.0
Colorado	100.0	NA	5.8	100.0	90.3	5.8	100.0	90.7	5.1
Connecticut	95.1	71.6	51.6	95.1	72.6	50.1	95.3	72.9	48.6
Delaware	100.0	20.0	0.3	100.0	NA	NA	100.0	NA	NA
District of Columbia	68.5	17.9	0.0	68.9	14.1	0.0	69.0	21.7	0.0
Florida	92.0	NA	13.0	92.6	27.6	12.9	90.9	27.5	3.3
Georgia	100.0	100.0	24.7	100.0	100.0	23.4	100.0	100.0	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	59.0	3.1	100.0	58.7	3.0	100.0	NA	3.2
Illinois	85.7	20.1	2.3	85.0	19.0	2.2	84.0	21.7	3.5
Indiana	95.6	54.2	0.7	95.5	52.6	0.7	95.5	52.6	0.7
Iowa	100.0	50.5	2.0	100.0	46.3	2.1	100.0	47.9	1.9
Kansas	100.0	124.8	13.7	100.0	126.3	16.7	100.0	129.5	11.7
Kentucky	97.9	68.0	16.7	97.8	66.6	16.8	97.6	66.2	17.6
Louisiana	100.0	76.1	4.5	100.0	75.9	4.2	100.0	76.7	4.0
Maine	100.0	NA	6.4	100.0	NA	6.1	100.0	52.1	7.1
Maryland	72.0	18.7	1.3	73.2	21.6	1.2	73.0	17.9	NA
Massachusetts	97.3	27.9	24.8	97.2	29.7	23.7	97.3	34.5	22.9
Michigan	94.0	37.1	2.0	94.1	NA	2.8	94.0	39.4	2.5
Minnesota	100.0	75.4	13.5	100.0	74.1	12.7	100.0	76.8	14.1
Mississippi	100.0	77.9	7.3	100.0	77.3	7.7	100.0	78.1	7.5
Missouri	100.0	58.4	9.9	100.0	58.7	8.3	100.0	60.9	9.6
Montana	99.4	31.0	0.8	99.4	37.8	0.7	99.4	41.9	0.7
Nebraska	89.5	39.5	5.2	89.4	42.2	5.1	89.0	39.9	5.4
Nevada	100.0	46.9	8.7	100.0	48.6	8.2	100.0	50.6	10.9
New Hampshire	100.0	48.1	2.5	100.0	48.6	3.0	100.0	49.7	NA
New Jersey	95.6	25.9	NA	95.5	NA	5.4	95.5	30.9	NA
New Mexico	100.0	49.9	9.3	99.9	37.6	NA	100.0	45.2	NA
New York	100.0	100.0	3.6	100.0	100.0	3.6	100.0	100.0	NA
North Carolina	100.0	NA	8.8	100.0	78.4	8.3	100.0	NA	8.2
North Dakota	100.0	85.3	34.6	100.0	84.5	38.0	100.0	87.2	35.5
Ohio	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	0.5
Oklahoma	100.0	30.0	8.7	100.0	29.0	9.2	100.0	34.0	NA
Oregon	100.0	91.8	13.6	100.0	92.5	13.5	100.0	92.6	14.1
Pennsylvania	87.2	26.7	0.4	87.0	26.2	0.3	86.5	25.9	0.4
Rhode Island	100.0	50.7	4.2	100.0	52.8	3.2	100.0	50.3	3.7
South Carolina	100.0	89.8	38.7	100.0	89.1	38.8	100.0	90.7	40.3
South Dakota	100.0	68.9	1.8	100.0	71.7	1.5	100.0	75.8	1.7
Tennessee	100.0	77.1	22.2	100.0	79.0	20.3	100.0	81.0	21.6
Texas	NA	61.5	35.9	98.5	63.5	34.7	99.2	64.0	35.5
Utah	100.0	55.7	2.3	100.0	55.4	2.9	100.0	66.2	2.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.5	41.8	10.1	86.5	41.8	9.3	88.6	40.8	NA
Washington	100.0	NA	NA	100.0	76.6	NA	100.0	NA	NA
West Virginia	100.0	29.8	4.0	100.0	31.2	3.9	100.0	30.7	4.5
Wisconsin	100.0	48.0	12.1	100.0	51.5	12.5	100.0	53.2	11.2
Wyoming	127.8	148.5	11.1	127.9	146.5	1.2	123.1	146.9	11.3
Total	95.6	54.8	13.9	95.8	156.0	13.7	95.7	57.4	113.7

See footnotes at end of table.

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

State	2018								
	May			April			March		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	76.7	25.8	100.0	78.3	26.5	100.0	77.3	26.9
Alaska	100.0	98.0	100.0	100.0	98.9	100.0	100.0	99.1	100.0
Arizona	100.0	NA	12.2	100.0	NA	NA	100.0	NA	11.4
Arkansas	100.0	33.9	1.2	100.0	39.9	1.4	100.0	45.6	1.4
California	94.6	53.8	4.1	94.6	52.1	4.3	94.8	54.8	4.5
Colorado	100.0	91.0	6.5	100.0	92.8	7.2	100.0	94.4	7.8
Connecticut	NA	72.7	49.4	96.2	76.6	52.3	96.4	79.0	48.0
Delaware	100.0	33.2	NA	100.0	41.6	NA	100.0	NA	NA
District of Columbia	75.2	18.9	0.0	76.9	20.2	0.0	75.1	NA	0.0
Florida	90.8	29.0	4.5	90.5	29.6	4.1	90.5	29.5	3.8
Georgia	100.0	100.0	23.2	100.0	100.0	24.2	100.0	100.0	23.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	61.2	2.8	100.0	74.8	3.0	100.0	80.0	2.6
Illinois	77.4	21.5	6.1	85.4	34.5	8.5	86.6	37.6	8.9
Indiana	95.1	51.9	1.0	95.9	66.5	1.9	96.0	69.5	1.9
Iowa	100.0	52.3	2.3	100.0	67.5	2.3	100.0	69.3	2.9
Kansas	100.0	R33.9	9.5	100.0	R53.9	5.6	100.0	R56.3	4.3
Kentucky	95.3	69.6	16.3	96.4	78.8	15.7	97.4	81.5	16.4
Louisiana	100.0	78.9	3.6	100.0	78.7	4.4	NA	NA	3.6
Maine	100.0	57.7	8.2	100.0	61.8	10.3	100.0	63.6	10.4
Maryland	NA	NA	1.8	76.1	24.8	NA	76.0	32.4	NA
Massachusetts	97.3	42.8	30.5	97.7	48.8	28.4	NA	NA	30.5
Michigan	90.2	41.7	4.5	93.4	62.0	7.9	93.8	60.5	8.5
Minnesota	NA	NA	NA	100.0	R87.9	18.0	NA	NA	22.1
Mississippi	100.0	80.4	7.5	100.0	83.0	8.4	100.0	NA	8.4
Missouri	100.0	67.7	12.2	100.0	75.4	16.4	100.0	75.9	14.7
Montana	99.5	49.0	1.2	99.5	51.4	2.0	NA	NA	2.4
Nebraska	87.5	R50.1	R6.3	88.3	R58.8	6.3	88.4	60.6	R6.8
Nevada	100.0	53.1	13.8	100.0	57.5	15.3	100.0	64.9	17.6
New Hampshire	100.0	53.6	6.0	100.0	56.8	NA	100.0	58.2	NA
New Jersey	95.4	32.8	NA	95.3	38.8	NA	95.5	47.2	NA
New Mexico	100.0	58.3	NA	100.0	60.8	6.0	100.0	61.3	4.4
New York	100.0	100.0	5.6	100.0	100.0	7.2	100.0	100.0	7.5
North Carolina	100.0	80.3	9.2	100.0	82.7	11.5	100.0	89.0	12.4
North Dakota	100.0	NA	29.5	100.0	92.9	40.9	100.0	NA	35.1
Ohio	100.0	100.0	0.6	100.0	100.0	1.2	100.0	100.0	1.1
Oklahoma	100.0	46.3	7.8	100.0	45.6	7.5	100.0	54.3	7.6
Oregon	100.0	92.2	14.2	100.0	93.8	16.1	100.0	94.8	16.7
Pennsylvania	84.7	31.3	0.8	85.8	35.7	1.4	87.5	40.6	1.7
Rhode Island	100.0	47.6	3.6	100.0	52.1	NA	100.0	54.0	3.8
South Carolina	100.0	89.7	41.7	100.0	89.9	41.5	100.0	92.4	NA
South Dakota	100.0	NA	3.6	100.0	83.2	NA	NA	NA	6.0
Tennessee	100.0	84.3	24.2	100.0	88.9	23.4	100.0	NA	25.6
Texas	99.4	66.9	35.1	99.7	70.5	36.7	99.9	75.9	38.6
Utah	100.0	NA	3.0	100.0	70.0	3.2	100.0	74.7	3.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	86.0	38.7	8.5	89.0	49.4	11.5	91.8	58.6	12.5
Washington	100.0	79.5	4.6	100.0	NA	6.6	100.0	87.3	NA
West Virginia	NA	36.0	4.7	100.0	57.3	4.5	100.0	65.3	4.0
Wisconsin	100.0	61.5	15.4	100.0	74.1	20.0	100.0	75.8	19.0
Wyoming	R71.9	R47.9	1.4	71.2	49.5	R1.6	R70.1	R49.7	R1.7
Total	94.8	59.7	R13.8	95.6	R65.3	R14.7	95.9	68.4	15.0

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						2017		
	February			January			Total		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	86.6	26.6	100.0	83.4	27.2	100.0	75.8	26.2
Alaska	100.0	99.3	100.0	100.0	99.2	100.0	100.0	98.4	100.0
Arizona	100.0	NA	12.9	100.0	NA	12.6	100.0	81.1	13.8
Arkansas	100.0	54.5	2.1	100.0	54.9	NA	100.0	36.0	1.4
California	95.4	55.2	5.2	95.2	54.0	4.2	95.1	52.4	4.2
Colorado	100.0	95.2	8.4	100.0	95.3	8.3	100.0	94.0	7.2
Connecticut	96.4	80.5	52.0	96.9	80.8	52.2	96.2	76.6	50.4
Delaware	100.0	49.0	NA	NA	NA	0.4	100.0	36.1	0.3
District of Columbia	77.4	22.3	0.0	76.9	NA	0.0	73.9	20.1	--
Florida	92.4	31.7	5.1	92.6	32.7	3.8	91.3	30.4	3.4
Georgia	100.0	100.0	24.2	100.0	100.0	25.6	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	2.7	100.0	82.6	2.7	100.0	76.9	2.8
Illinois	86.0	38.5	NA	87.0	40.9	10.5	86.8	34.1	6.0
Indiana	95.9	68.9	2.6	96.3	70.1	NA	95.8	66.1	1.6
Iowa	100.0	NA	NA	100.0	70.8	2.8	100.0	68.5	3.0
Kansas	100.0	65.1	1.3	100.0	68.2	1.0	100.0	49.0	7.0
Kentucky	96.6	83.1	NA	96.9	84.0	16.1	97.1	78.0	17.0
Louisiana	100.0	84.1	4.3	100.0	83.3	NA	100.0	78.5	3.5
Maine	100.0	NA	10.1	100.0	67.7	10.7	100.0	59.3	9.0
Maryland	74.6	29.8	NA	76.4	34.5	6.3	74.9	25.7	4.0
Massachusetts	97.7	52.1	31.8	97.8	56.1	33.4	98.3	46.1	26.4
Michigan	93.6	61.4	NA	93.6	63.3	11.1	93.4	56.2	6.7
Minnesota	100.0	90.6	22.1	100.0	91.1	20.9	100.0	88.1	17.1
Mississippi	100.0	88.1	11.2	99.1	90.6	10.1	100.0	83.8	8.9
Missouri	100.0	79.2	18.8	100.0	82.1	18.9	100.0	71.7	12.1
Montana	99.5	50.9	2.5	99.5	55.5	2.1	99.4	49.7	1.4
Nebraska	88.1	60.1	7.3	88.6	61.5	7.2	87.5	55.1	6.1
Nevada	100.0	64.3	18.3	100.0	66.8	17.9	100.0	59.1	14.5
New Hampshire	100.0	58.6	16.5	100.0	59.1	13.9	100.0	54.0	4.9
New Jersey	95.1	41.9	NA	95.0	49.8	NA	94.7	42.7	6.6
New Mexico	100.0	65.3	3.8	100.0	60.1	3.2	100.0	54.0	6.6
New York	100.0	100.0	8.4	100.0	100.0	8.4	100.0	100.0	5.7
North Carolina	100.0	84.2	15.1	100.0	92.4	NA	100.0	83.6	10.8
North Dakota	100.0	94.2	39.0	100.0	94.7	38.3	100.0	92.7	35.0
Ohio	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	0.9
Oklahoma	100.0	52.5	7.5	100.0	54.5	8.0	100.0	42.2	7.0
Oregon	100.0	NA	17.8	100.0	95.1	16.9	100.0	94.5	15.5
Pennsylvania	86.2	38.9	NA	86.8	41.8	2.6	87.7	37.4	0.9
Rhode Island	100.0	53.7	4.1	100.0	57.2	4.2	100.0	52.8	3.7
South Carolina	100.0	92.4	43.4	100.0	NA	38.1	100.0	91.3	40.4
South Dakota	100.0	83.6	5.7	100.0	84.1	5.8	100.0	80.9	4.1
Tennessee	100.0	93.1	25.8	100.0	93.4	NA	100.0	87.3	24.0
Texas	100.0	78.4	35.4	NA	82.1	36.3	99.8	70.2	38.4
Utah	100.0	73.0	2.8	100.0	77.2	3.0	100.0	72.6	4.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.4	52.8	11.3	NA	NA	14.9	90.0	51.3	9.8
Washington	100.0	83.9	7.3	100.0	87.8	7.7	100.0	86.4	6.4
West Virginia	100.0	63.0	4.0	100.0	66.5	3.6	100.0	51.8	3.8
Wisconsin	100.0	78.6	20.2	100.0	80.1	21.8	100.0	71.9	16.2
Wyoming	69.7	49.5	2.3	69.2	48.4	1.8	71.9	50.7	1.7
Total	96.0	69.1	14.6	96.1	71.2	14.9	95.9	65.4	14.5

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	2017								
	December			November			October		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	76.3	26.5	100.0	72.1	26.9	100.0	68.7	27.6
Alaska	100.0	99.3	100.0	100.0	98.7	100.0	100.0	96.7	100.0
Arizona	100.0	80.7	13.5	100.0	78.8	14.2	100.0	77.6	13.0
Arkansas	100.0	39.2	1.8	100.0	30.7	1.6	100.0	25.3	1.2
California	95.4	54.6	4.6	95.3	51.0	4.0	95.0	48.3	4.5
Colorado	100.0	95.7	8.7	100.0	94.9	8.0	100.0	94.2	6.2
Connecticut	96.6	78.9	52.8	95.5	76.5	49.6	95.1	72.9	49.1
Delaware	100.0	36.7	0.3	100.0	30.2	0.2	100.0	23.4	0.2
District of Columbia	75.4	21.3	--	74.7	19.1	--	71.7	16.2	--
Florida	91.3	32.8	3.6	90.2	30.6	3.8	91.9	27.7	3.1
Georgia	100.0	100.0	23.8	100.0	100.0	23.1	100.0	100.0	26.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	84.7	3.4	100.0	77.5	2.6	100.0	72.7	2.5
Illinois	91.9	37.8	9.5	87.6	36.2	6.9	90.3	34.3	4.7
Indiana	96.1	72.0	2.4	95.9	67.7	2.2	95.7	67.6	1.2
Iowa	100.0	72.2	4.9	100.0	70.3	5.4	100.0	67.6	2.9
Kansas	100.0	55.4	1.8	100.0	54.0	2.6	100.0	37.2	2.7
Kentucky	97.6	83.5	15.7	98.0	78.7	15.6	98.8	72.8	17.5
Louisiana	100.0	78.3	3.5	100.0	75.3	4.0	100.0	76.2	3.5
Maine	100.0	63.2	10.6	100.0	53.2	9.2	100.0	45.6	7.6
Maryland	76.2	28.7	6.0	78.1	28.8	3.8	73.4	21.0	2.6
Massachusetts	98.0	53.2	30.3	98.2	45.3	25.0	97.9	35.1	24.8
Michigan	93.9	63.0	10.4	93.9	58.6	5.2	93.9	52.8	4.0
Minnesota	100.0	90.7	23.5	100.0	89.6	23.2	100.0	87.6	16.7
Mississippi	100.0	87.1	8.4	100.0	82.6	9.4	100.0	82.6	9.3
Missouri	100.0	73.5	13.4	100.0	70.3	12.4	100.0	60.4	10.2
Montana	99.5	48.4	1.2	99.5	47.3	1.3	99.5	44.1	0.9
Nebraska	87.5	57.8	6.0	86.5	53.6	5.7	84.4	46.6	4.7
Nevada	100.0	64.8	19.1	100.0	57.9	16.0	100.0	50.9	14.2
New Hampshire	100.0	55.6	7.7	100.0	49.9	4.9	100.0	46.4	3.2
New Jersey	95.1	46.5	10.7	95.1	42.0	6.2	94.8	33.8	2.2
New Mexico	100.0	51.3	4.1	100.0	47.3	7.6	99.9	43.2	8.5
New York	100.0	100.0	6.6	100.0	100.0	4.3	100.0	100.0	4.2
North Carolina	100.0	89.8	12.4	100.0	87.0	10.7	100.0	84.5	9.8
North Dakota	100.0	94.1	42.3	100.0	93.7	28.3	100.0	89.9	30.9
Ohio	100.0	100.0	1.4	100.0	100.0	0.9	100.0	100.0	0.5
Oklahoma	100.0	38.0	8.1	100.0	34.6	5.8	100.0	24.8	5.9
Oregon	100.0	95.6	17.1	100.0	94.7	16.3	100.0	93.6	15.5
Pennsylvania	87.9	42.7	1.2	88.4	35.4	0.7	88.0	31.7	0.4
Rhode Island	100.0	54.1	3.8	100.0	53.9	3.8	100.0	51.5	3.6
South Carolina	100.0	93.4	38.1	100.0	91.6	42.0	100.0	90.7	40.0
South Dakota	100.0	83.2	8.0	100.0	81.3	5.5	100.0	77.2	2.3
Tennessee	100.0	90.4	23.6	100.0	86.8	26.7	100.0	82.5	25.6
Texas	99.7	73.5	37.6	99.7	70.4	37.5	99.7	65.9	37.8
Utah	100.0	75.5	3.0	100.0	68.0	3.4	100.0	67.8	3.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	92.1	61.8	11.9	92.2	54.9	10.3	90.5	47.1	8.3
Washington	100.0	89.7	7.4	100.0	88.3	6.6	100.0	86.3	5.7
West Virginia	100.0	64.3	3.6	100.0	54.6	4.1	100.0	36.6	3.8
Wisconsin	100.0	78.3	22.2	100.0	75.0	18.1	100.0	63.6	15.0
Wyoming	72.9	52.6	1.9	72.3	52.7	2.0	72.7	52.8	1.5
Total	96.5	69.1	15.0	96.0	65.8	14.5	96.4	61.5	14.2

^R Revised data.

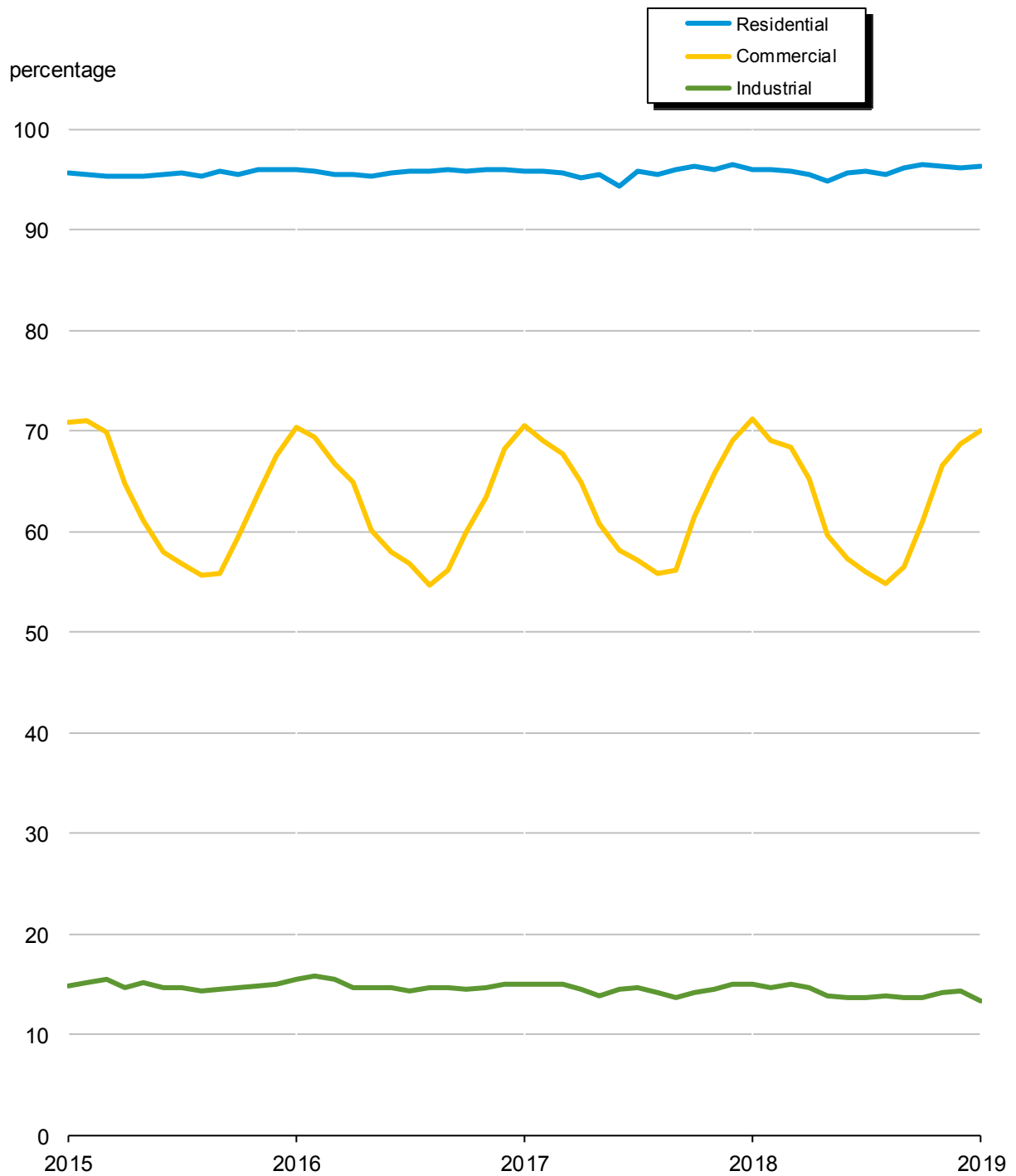
-- Not applicable.

^{NA} Not available.

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

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

Figure 6. Percentage of total deliveries included in residential, commercial, and industrial price estimates, 2015-2019



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
	January	Total	December	November	October	September
Alabama	1,025	1,027	1,025	1,028	1,031	1,028
Alaska	990	975	976	979	979	970
Arizona	1,036	1,041	1,037	1,043	1,043	1,044
Arkansas	1,018	1,018	1,015	1,028	1,015	1,013
California	1,032	1,033	1,032	1,033	1,033	1,033
Colorado	1,081	1,079	1,083	1,082	1,089	1,096
Connecticut	1,030	1,028	1,030	1,029	1,028	1,027
Delaware	1,041	1,039	1,040	1,035	1,037	1,040
District of Columbia	1,045	1,040	1,045	1,041	1,036	1,030
Florida	1,021	1,023	1,022	1,024	1,023	1,022
Georgia	1,026	1,028	1,026	1,028	1,030	1,031
Hawaii	938	962	960	953	968	953
Idaho	1,028	1,035	1,027	1,026	1,032	1,024
Illinois	1,035	1,030	1,034	1,030	1,027	1,025
Indiana	1,043	1,046	1,047	1,045	1,043	1,049
Iowa	1,055	1,062	1,061	1,066	1,068	1,076
Kansas	1,043	1,039	1,043	1,041	1,035	1,036
Kentucky	1,051	1,051	1,058	1,052	1,045	1,046
Louisiana	1,021	1,022	1,024	1,019	1,024	1,024
Maine	1,048	1,042	1,044	1,042	1,044	1,039
Maryland	1,050	1,043	1,042	1,045	1,035	1,035
Massachusetts	1,035	1,031	1,032	1,030	1,030	1,029
Michigan	1,052	1,048	1,051	1,053	1,051	1,049
Minnesota	1,047	1,045	1,038	1,047	1,057	1,062
Mississippi	1,023	1,026	1,028	1,027	1,027	1,029
Missouri	1,022	1,024	1,023	1,022	1,023	1,025
Montana	1,045	1,046	1,045	1,041	1,042	1,048
Nebraska	1,059	1,060	1,062	1,064	1,074	1,073
Nevada	1,035	1,037	1,034	1,033	1,035	1,036
New Hampshire	1,041	1,031	1,035	1,033	1,030	1,028
New Jersey	1,044	1,039	1,042	1,041	1,036	1,035
New Mexico	1,031	1,036	1,035	1,035	1,035	1,039
New York	1,034	1,032	1,034	1,034	1,031	1,029
North Carolina	1,027	1,028	1,028	1,030	1,035	1,030
North Dakota	1,079	1,079	1,079	1,084	1,075	1,071
Ohio	1,065	1,064	1,065	1,065	1,064	1,063
Oklahoma	1,022	1,032	1,029	1,028	1,027	1,028
Oregon	1,055	1,062	1,049	1,043	1,055	1,062
Pennsylvania	1,039	1,037	1,038	1,037	1,036	1,036
Rhode Island	1,029	1,029	1,028	1,030	1,028	1,029
South Carolina	1,026	1,027	1,025	1,026	1,027	1,025
South Dakota	1,062	1,067	1,070	1,075	1,078	1,079
Tennessee	1,029	1,024	1,026	1,027	1,023	1,021
Texas	1,024	1,026	1,028	1,026	1,027	1,027
Utah	1,042	1,040	1,037	1,038	1,041	1,042
Vermont	1,042	1,034	1,040	1,036	1,031	1,024
Virginia	1,055	1,052	1,061	1,056	1,050	1,049
Washington	1,087	1,088	1,084	1,081	1,086	1,094
West Virginia	1,085	1,093	1,089	1,061	1,133	1,104
Wisconsin	1,046	1,038	1,044	1,045	1,043	1,034
Wyoming	1,072	1,058	1,063	1,048	1,059	1,065
Total	1,038	1,036	1,038	1,037	1,036	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					
	August	July	June	May	April	March
Alabama	1,026	1,024	1,027	1,028	1,027	1,028
Alaska	937	956	953	980	987	982
Arizona	1,042	1,041	1,041	1,037	1,035	1,043
Arkansas	1,015	1,018	1,017	1,018	1,016	1,017
California	1,035	1,035	1,034	1,033	1,031	1,032
Colorado	1,091	1,089	1,089	1,081	1,071	1,072
Connecticut	1,027	1,027	1,027	1,027	1,029	1,029
Delaware	1,037	1,038	1,043	1,035	1,037	1,043
District of Columbia	1,027	1,031	1,029	1,027	1,038	1,044
Florida	1,021	1,026	1,021	1,023	1,023	1,024
Georgia	1,029	1,026	1,028	1,028	1,027	1,029
Hawaii	932	961	956	974	974	973
Idaho	1,020	1,037	1,029	1,058	1,053	1,040
Illinois	1,024	1,027	1,026	1,029	1,032	1,031
Indiana	1,052	1,051	1,054	1,048	1,042	1,043
Iowa	1,069	1,075	1,066	1,061	1,055	1,051
Kansas	1,040	1,041	1,048	1,041	1,036	1,037
Kentucky	1,046	1,047	1,044	1,046	1,061	1,055
Louisiana	1,023	1,022	1,022	1,023	1,019	1,021
Maine	1,045	1,047	1,047	1,041	1,042	1,044
Maryland	1,034	1,040	1,038	1,041	1,045	1,052
Massachusetts	1,030	1,030	1,029	1,029	1,029	1,032
Michigan	1,049	1,053	1,053	1,044	1,046	1,047
Minnesota	1,060	1,065	1,052	1,040	1,039	1,037
Mississippi	1,026	1,026	1,025	1,030	1,025	1,024
Missouri	1,028	1,030	1,031	1,027	1,021	1,023
Montana	1,055	1,056	1,051	1,048	1,045	1,047
Nebraska	1,073	1,072	1,062	1,059	1,053	1,053
Nevada	1,037	1,041	1,041	1,041	1,037	1,036
New Hampshire	1,029	1,030	1,030	1,028	1,032	1,033
New Jersey	1,035	1,035	1,034	1,034	1,039	1,040
New Mexico	1,040	1,040	1,042	1,034	1,032	1,031
New York	1,030	1,030	1,029	1,029	1,031	1,033
North Carolina	1,024	1,026	1,029	1,030	1,025	1,027
North Dakota	1,076	1,072	1,076	1,087	1,078	1,080
Ohio	1,063	1,061	1,060	1,061	1,065	1,065
Oklahoma	1,028	1,029	1,031	1,033	1,032	1,035
Oregon	1,059	1,066	1,080	1,080	1,080	1,070
Pennsylvania	1,035	1,036	1,036	1,037	1,037	1,039
Rhode Island	1,028	1,028	1,028	1,028	1,029	1,029
South Carolina	1,024	1,024	1,027	1,028	1,029	1,029
South Dakota	1,083	1,065	1,063	1,055	1,058	1,057
Tennessee	1,019	1,019	1,022	1,023	1,028	1,028
Texas	1,027	1,026	1,027	1,026	1,024	1,025
Utah	1,039	1,035	1,040	1,042	1,043	1,034
Vermont	1,025	1,030	1,033	1,026	1,034	1,036
Virginia	1,050	1,046	1,051	1,048	1,050	1,056
Washington	1,091	1,092	1,088	1,088	1,090	1,090
West Virginia	1,097	1,101	1,100	1,106	1,091	1,085
Wisconsin	1,028	1,034	1,039	1,032	1,040	1,039
Wyoming	1,066	1,053	1,057	1,058	1,057	1,057
Total	1,034	1,035	1,035	1,034	1,035	1,037

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2017-2019

(Btu per cubic foot) – continued

State	2018			2017		
	February	January	Total	December	November	October
Alabama	1,026	1,026	1,030	1,027	1,029	1,030
Alaska	991	995	989	992	996	983
Arizona	1,041	1,045	1,041	1,042	1,040	1,039
Arkansas	1,019	1,016	1,019	1,014	1,014	1,021
California	1,034	1,036	1,035	1,034	1,033	1,032
Colorado	1,064	1,066	1,065	1,065	1,061	1,069
Connecticut	1,029	1,030	1,028	1,029	1,029	1,026
Delaware	1,043	1,044	1,042	1,047	1,044	1,042
District of Columbia	1,042	1,047	1,039	1,045	1,041	1,033
Florida	1,023	1,024	1,024	1,022	1,020	1,021
Georgia	1,028	1,028	1,030	1,026	1,026	1,028
Hawaii	971	965	975	989	969	984
Idaho	1,039	1,045	1,041	1,038	1,031	1,030
Illinois	1,033	1,032	1,029	1,031	1,032	1,030
Indiana	1,039	1,041	1,043	1,043	1,050	1,049
Iowa	1,054	1,054	1,056	1,059	1,058	1,060
Kansas	1,036	1,037	1,034	1,032	1,038	1,034
Kentucky	1,051	1,054	1,046	1,055	1,056	1,060
Louisiana	1,021	1,022	1,022	1,021	1,020	1,023
Maine	1,035	1,035	1,030	1,031	1,030	1,022
Maryland	1,043	1,051	1,047	1,048	1,038	1,042
Massachusetts	1,032	1,033	1,030	1,031	1,030	1,030
Michigan	1,046	1,044	1,043	1,044	1,043	1,042
Minnesota	1,038	1,037	1,033	1,039	1,038	1,032
Mississippi	1,024	1,024	1,032	1,026	1,027	1,027
Missouri	1,023	1,023	1,010	1,021	1,021	1,022
Montana	1,043	1,044	1,041	1,052	1,045	1,052
Nebraska	1,043	1,052	1,061	1,059	1,054	1,065
Nevada	1,036	1,038	1,039	1,039	1,030	1,035
New Hampshire	1,033	1,036	1,030	1,033	1,031	1,029
New Jersey	1,039	1,042	1,039	1,042	1,042	1,036
New Mexico	1,035	1,040	1,042	1,042	1,042	1,041
New York	1,032	1,033	1,032	1,034	1,033	1,031
North Carolina	1,028	1,029	1,036	1,026	1,032	1,040
North Dakota	1,074	1,098	1,080	1,104	1,086	1,094
Ohio	1,064	1,068	1,070	1,074	1,071	1,076
Oklahoma	1,039	1,041	1,042	1,037	1,036	1,036
Oregon	1,070	1,063	1,062	1,059	1,062	1,059
Pennsylvania	1,039	1,041	1,040	1,042	1,041	1,039
Rhode Island	1,029	1,029	1,029	1,029	1,029	1,030
South Carolina	1,029	1,029	1,031	1,028	1,029	1,031
South Dakota	1,061	1,063	1,055	1,067	1,058	1,056
Tennessee	1,027	1,025	1,031	1,031	1,030	1,027
Texas	1,024	1,026	1,029	1,029	1,027	1,028
Utah	1,042	1,044	1,042	1,043	1,042	1,041
Vermont	1,035	1,036	1,030	1,033	1,033	1,026
Virginia	1,049	1,053	1,053	1,057	1,052	1,051
Washington	1,086	1,085	1,080	1,084	1,084	1,082
West Virginia	1,086	1,091	1,083	1,073	1,086	1,081
Wisconsin	1,035	1,040	1,035	1,035	1,039	1,034
Wyoming	1,060	1,054	1,060	1,052	1,047	1,049
Total	1,037	1,038	1,036	1,039	1,037	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					
	September	August	July	June	May	April
Alabama	1,031	1,030	1,031	1,030	1,031	1,030
Alaska	980	964	974	988	995	994
Arizona	1,047	1,040	1,039	1,037	1,038	1,038
Arkansas	1,020	1,018	1,017	1,019	1,016	1,022
California	1,036	1,036	1,037	1,037	1,033	1,033
Colorado	1,067	1,074	1,072	1,069	1,065	1,063
Connecticut	1,026	1,026	1,026	1,025	1,025	1,025
Delaware	1,042	1,040	1,038	1,037	1,037	1,041
District of Columbia	1,034	1,034	1,030	1,029	1,034	1,035
Florida	1,022	1,025	1,024	1,023	1,024	1,023
Georgia	1,032	1,030	1,032	1,032	1,033	1,030
Hawaii	978	983	987	987	984	959
Idaho	1,037	1,034	1,035	1,069	1,044	1,051
Illinois	1,027	1,027	1,027	1,027	1,028	1,030
Indiana	1,049	1,050	1,049	1,044	1,042	1,036
Iowa	1,061	1,059	1,058	1,056	1,057	1,055
Kansas	1,037	1,034	1,034	1,033	1,035	1,041
Kentucky	1,051	1,042	1,040	1,043	1,028	1,030
Louisiana	1,025	1,022	1,022	1,020	1,022	1,023
Maine	1,017	1,018	1,017	1,021	1,022	1,026
Maryland	1,045	1,047	1,044	1,041	1,046	1,043
Massachusetts	1,030	1,031	1,032	1,030	1,030	1,029
Michigan	1,043	1,043	1,042	1,042	1,043	1,039
Minnesota	1,029	1,027	1,030	1,028	1,034	1,032
Mississippi	1,031	1,030	1,035	1,035	1,032	1,032
Missouri	1,020	1,021	1,018	1,020	1,021	1,022
Montana	1,042	1,048	1,045	1,040	1,026	1,032
Nebraska	1,071	1,069	1,070	1,066	1,063	1,061
Nevada	1,038	1,039	1,043	1,044	1,035	1,039
New Hampshire	1,028	1,028	1,026	1,030	1,029	1,028
New Jersey	1,039	1,038	1,036	1,036	1,037	1,038
New Mexico	1,046	1,045	1,043	1,040	1,042	1,040
New York	1,031	1,031	1,030	1,031	1,031	1,032
North Carolina	1,038	1,036	1,037	1,038	1,040	1,045
North Dakota	1,100	1,083	1,085	1,085	1,080	1,080
Ohio	1,070	1,069	1,067	1,068	1,068	1,069
Oklahoma	1,051	1,043	1,043	1,044	1,041	1,042
Oregon	1,058	1,067	1,073	1,086	1,079	1,076
Pennsylvania	1,039	1,038	1,038	1,038	1,038	1,038
Rhode Island	1,030	1,030	1,030	1,030	1,029	1,029
South Carolina	1,032	1,030	1,030	1,030	1,032	1,031
South Dakota	1,055	1,054	1,054	1,050	1,051	1,049
Tennessee	1,026	1,029	1,030	1,032	1,032	1,029
Texas	1,034	1,030	1,030	1,028	1,029	1,030
Utah	1,041	1,039	1,041	1,041	1,042	1,042
Vermont	1,021	1,022	1,020	1,026	1,024	1,025
Virginia	1,050	1,051	1,051	1,052	1,051	1,055
Washington	1,075	1,083	1,091	1,082	1,077	1,080
West Virginia	1,087	1,055	1,092	1,105	1,094	1,103
Wisconsin	1,027	1,027	1,026	1,029	1,036	1,034
Wyoming	1,050	1,058	1,055	1,053	1,052	1,051
Total	1,036	1,035	1,035	1,035	1,035	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	2017		
	March	February	January
Alabama	1,028	1,029	1,028
Alaska	996	1,000	1,000
Arizona	1,040	1,043	1,042
Arkansas	1,017	1,019	1,018
California	1,034	1,034	1,036
Colorado	1,062	1,060	1,060
Connecticut	1,026	1,026	1,026
Delaware	1,045	1,045	1,047
District of Columbia	1,047	1,049	1,051
Florida	1,023	1,025	1,024
Georgia	1,029	1,033	1,030
Hawaii	954	972	955
Idaho	1,037	1,036	1,036
Illinois	1,030	1,031	1,033
Indiana	1,034	1,034	1,038
Iowa	1,052	1,052	1,052
Kansas	1,037	1,036	1,042
Kentucky	1,035	1,035	1,037
Louisiana	1,022	1,022	1,023
Maine	1,036	1,049	1,037
Maryland	1,055	1,056	1,054
Massachusetts	1,031	1,031	1,031
Michigan	1,042	1,045	1,045
Minnesota	1,033	1,028	1,028
Mississippi	1,035	1,035	1,034
Missouri	1,021	1,022	1,022
Montana	1,036	1,034	1,036
Nebraska	1,058	1,060	1,057
Nevada	1,039	1,040	1,041
New Hampshire	1,032	1,036	1,032
New Jersey	1,043	1,042	1,043
New Mexico	1,042	1,043	1,045
New York	1,033	1,033	1,033
North Carolina	1,033	1,032	1,033
North Dakota	1,078	1,083	1,076
Ohio	1,072	1,071	1,071
Oklahoma	1,041	1,043	1,046
Oregon	1,035	1,035	1,036
Pennsylvania	1,040	1,040	1,041
Rhode Island	1,029	1,029	1,029
South Carolina	1,030	1,031	1,030
South Dakota	1,050	1,051	1,055
Tennessee	1,028	1,031	1,032
Texas	1,026	1,029	1,027
Utah	1,043	1,043	1,043
Vermont	1,033	1,036	1,034
Virginia	1,057	1,052	1,057
Washington	1,078	1,075	1,076
West Virginia	1,086	1,089	1,084
Wisconsin	1,035	1,038	1,041
Wyoming	1,055	1,066	1,060
Total	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."

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

Month/Year/Type of data	New England	Middle Atlantic	East North Central	West North Central	South Atlantic
	CT, ME, MA, NH, RI, VT	NJ, NY, PA	IL, IN, MI, OH, WI	IA, KS, MN, MO, ND, NE, SD	DE, FL, GA, MD, DC, NC, SC, VA, WV
November					
Normal	702	664	757	840	443
2017	706	674	743	780	433
2018	780	751	900	986	517
% Diff (normal to 2018)	11.1	13.1	18.9	17.4	16.7
% Diff (2017 to 2018)	10.5	11.4	21.1	26.4	19.4
December					
Normal	1,044	995	1,135	1,250	700
2017	1,146	1,065	1,181	1,216	698
2018	972	900	975	1,087	624
% Diff (normal to 2018)	-6.9	-9.6	-14.1	-13.0	-10.9
% Diff (2017 to 2018)	-15.2	-15.5	-17.4	-10.6	-10.6
January					
Normal	1,208	1,155	1,304	1,392	803
2018	1,205	1,189	1,275	1,344	861
2019	1,166	1,129	1,288	1,348	732
% Diff (normal to 2019)	-3.5	-2.3	-1.2	-3.2	-8.8
% Diff (2018 to 2019)	-3.2	-5.1	1.0	0.3	-15.0
February					
Normal	1,029	980	1,061	1,080	639
2018	833	789	966	1,153	419
2019	990	928	1,042	1,266	507
% Diff (normal to 2019)	-3.8	-5.3	-1.8	17.2	-20.7
% Diff (2018 to 2019)	18.9	17.6	7.9	9.8	21.0
November to February					
Normal	3,983	3,794	4,257	4,562	2,585
2018	3,890	3,717	4,165	4,493	2,411
2019	3,908	3,708	4,205	4,687	2,380
% Diff (normal to 2019)	-1.9	-2.3	-1.2	2.7	-7.9
% Diff (2018 to 2019)	0.5	-0.2	1.0	4.3	-1.3

See footnotes at end of table.

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

Month/Year/Type of data	East South Central	West South Central	Mountain	Pacific ^b	U.S. Average ^b
	AL, KY, MS, TN	AR, LA, OK, TX	AZ, CO, ID, MT, NV, NM, UT, WY	CA, OR, WA	
November					
Normal	455	305	739	366	589
2017	408	198	528	262	534
2018	557	382	727	269	653
% Diff (normal to 2018)	22.4	25.3	-1.6	-26.5	10.9
% Diff (2017 to 2018)	36.5	92.9	37.7	2.7	22.3
December					
Normal	722	537	999	531	885
2017	724	512	893	412	875
2018	618	471	951	494	787
% Diff (normal to 2018)	-14.4	-12.3	-4.8	-7.0	-11.1
% Diff (2017 to 2018)	-14.6	-8.0	6.5	19.9	-10.1
January					
Normal	829	612	1,026	532	991
2018	907	644	848	382	959
2019	736	544	955	476	945
% Diff (normal to 2019)	-11.2	-11.1	-6.9	-10.5	-4.6
% Diff (2018 to 2019)	-18.9	-15.5	12.6	24.6	-1.5
February					
Normal	631	429	803	413	794
2018	403	368	799	408	702
2019	452	371	911	588	807
% Diff (normal to 2019)	-28.4	-13.5	13.5	42.4	1.6
% Diff (2018 to 2019)	12.2	0.8	14.0	44.1	15.0
November to February					
Normal	2,637	1,883	3,567	1,842	3,259
2018	2,442	1,722	3,068	1,464	3,070
2019	2,363	1,768	3,544	1,827	3,192
% Diff (normal to 2019)	-10.4	-6.1	-0.6	-0.8	-2.1
% Diff (2018 to 2019)	-3.2	2.7	15.5	24.8	4.0

^a Normal is based on calculations of data from 1971 through 2000.

^b Excludes Alaska and Hawaii.

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

Source: National Oceanic and Atmospheric Administration.

Appendix A

Explanatory Notes

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

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

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

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

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

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

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

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

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

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Appendix C

Statistical Considerations

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

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

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

Sample Design

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

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

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

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

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

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

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

Estimation Procedures

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

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

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

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

or (1)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

where:

R_{adj} = sendout adjusted residential volume,

C_{adj} = sendout adjusted commercial volume,

SO = sendout volume,

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

EP = reported electric power volume,

IN = reported industrial volume,

R = reported residential volume,

C = reported commercial volume.

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

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

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

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

where:

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

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

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

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

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

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

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

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

for Georgia, and,

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

for New York and Ohio, where:

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

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

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

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

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

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

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

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

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

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

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

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

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

N = frame size.

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

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

where:

P_j = natural gas price in sector j,

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

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

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

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

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

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

and,

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

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

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

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

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

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

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

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

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	1.3	1.7	1.8	1.2	0.10	0.05	0.06
Alaska	0.9	NA	0.0	6.4	0.23	1.26	0.00
Arizona	1.8	2.5	2.6	1.3	0.21	0.22	0.06
Arkansas	0.3	0.2	2.1	0.8	0.10	0.06	0.18
California	0.9	0.8	0.7	0.5	0.06	0.14	0.56
Colorado	0.7	0.3	1.6	0.6	0.03	0.03	0.08
Connecticut	0.2	0.5	0.1	0.2	0.11	0.17	0.02
Delaware	0.0	0.0	0.0	0.0	0.00	0.00	0.00
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	4.2	2.7	3.0	1.9	0.47	0.70	1.00
Georgia	0.0	0.0	1.1	0.0	0.03	0.05	0.17
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.4	0.6	0.0	0.2	0.02	0.02	0.00
Illinois	0.4	0.8	0.7	0.3	0.02	0.04	0.13
Indiana	0.8	0.4	4.5	2.2	0.14	0.06	0.21
Iowa	0.7	0.7	0.7	0.4	0.13	0.11	0.34
Kansas	0.5	0.9	3.1	1.2	0.06	0.09	0.89
Kentucky	0.3	0.6	2.7	1.1	0.10	0.11	0.34
Louisiana	2.8	3.3	2.0	1.8	0.26	0.30	0.09
Maine	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Maryland	0.3	0.7	3.4	0.4	0.02	0.05	0.00
Massachusetts	0.7	0.9	1.1	0.5	0.07	0.18	0.18
Michigan	0.4	0.6	1.5	0.4	0.04	0.09	0.04
Minnesota	1.7	1.6	4.5	1.5	0.08	0.06	0.14
Mississippi	1.1	1.4	2.3	1.4	0.05	0.07	0.17
Missouri	1.0	0.6	1.8	0.6	0.07	0.11	0.39
Montana	1.0	0.7	0.1	0.5	0.02	0.07	0.31
Nebraska	0.8	0.4	2.7	1.1	0.04	0.11	0.18
Nevada	0.0	0.0	0.2	0.0	0.00	0.00	0.05
New Hampshire	0.0	0.0	0.0	0.0	0.00	0.00	0.00
New Jersey	0.0	0.0	1.5	0.1	0.00	0.00	0.00
New Mexico	1.9	1.4	2.4	1.2	0.03	0.09	0.00
New York	0.0	0.0	3.2	0.0	0.00	0.11	0.41
North Carolina	0.2	1.0	0.8	0.4	0.11	0.10	0.29
North Dakota	0.2	0.2	0.3	0.1	0.01	0.02	0.00
Ohio	0.0	0.0	1.2	0.0	0.03	0.02	0.25
Oklahoma	0.5	0.7	1.1	0.6	0.06	0.15	0.03
Oregon	0.0	0.0	1.5	0.5	0.00	0.00	0.00
Pennsylvania	4.4	3.7	NA	4.4	0.15	0.21	0.22
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	0.3	3.1	2.4	1.3	0.33	0.22	0.16
South Dakota	0.6	0.3	1.3	0.7	0.03	0.02	0.00
Tennessee	1.6	1.2	2.3	1.1	0.13	0.19	0.22
Texas	0.6	3.1	1.8	1.3	0.15	0.19	0.03
Utah	0.3	0.1	0.0	0.2	0.01	0.00	0.01
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	1.4	2.5	2.3	1.1	0.17	0.10	0.18
Washington	0.9	1.1	3.1	1.0	0.12	0.16	0.24
West Virginia	2.3	1.2	2.6	1.3	0.32	0.08	0.00
Wisconsin	0.7	1.3	0.9	0.5	0.03	0.06	0.08
Wyoming	0.5	1.0	7.7	4.8	0.02	0.02	0.07
Total	0.3	0.3	0.8	0.3	0.01	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.