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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 October 2020.

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 “Analysis & Projections” 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	U.S. 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, 2015-2020
(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
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 Total	33,292	29,238	1,897	27,341	66	-121	254	-400	27,140
2018									
January	2,993	2,618	177	2,441	6	*	913	-19	3,341
February	2,751	2,414	163	2,251	5	-38	477	16	2,711
March	3,069	2,704	183	2,521	6	-21	293	-2	2,797
April	2,976	2,613	177	2,436	5	-37	-37	-17	2,350
May	3,099	2,731	185	2,546	6	-45	-433	-18	2,055
June	2,973	2,656	180	2,476	6	-34	-358	-27	2,063
July	3,138	2,799	189	2,610	6	-59	-194	-12	2,351
August	3,206	2,856	193	2,662	6	-74	-244	-36	2,314
September	3,154	2,809	190	2,619	6	-88	-344	-37	2,156
October	3,315	2,939	199	2,740	6	-92	-299	-70	2,286
November	3,260	2,894	196	2,698	6	-125	212	-75	2,716
December	3,391	2,976	201	2,774	6	-107	329	-3	3,000
Total	37,326	33,009	2,235	30,774	69	-719	314	-300	30,139
2019									
January	3,385	2,981	208	2,773	5	-74	730	-25	3,409
February	3,067	2,709	189	2,520	5	-97	586	-4	3,010
March	3,396	3,019	211	2,809	5	-121	257	-43	2,907
April	3,329	2,934	205	2,729	5	-132	-401	4	2,205
May	3,432	3,055	213	2,842	5	-161	-494	-67	2,126
June	3,317	2,969	207	2,761	5	-159	-452	-36	2,119
July	3,412	3,084	215	2,869	5	-163	-270	-31	2,410
August	3,467	3,159	220	2,939	5	-165	-303	-35	2,441
September	3,399	3,054	213	2,841	5	-186	-440	-2	2,217
October	3,571	3,200	223	2,977	5	-215	-364	-75	2,328
November	3,496	3,120	218	2,902	5	-218	159	-70	2,779
December	3,621	3,232	226	3,007	5	-225	433	-73	3,148
Total	40,892	36,515	2,548	33,968	62	-1,915	-558	-458	31,099
2020									
January	£3,590	£3,182	234	£2,948	6	-248	571	20	3,296
February	£3,342	£2,959	212	£2,747	6	-216	535	-40	3,033
March	£3,561	£3,166	235	£2,931	6	-280	49	3	2,708
April	£3,372	£3,002	214	£2,788	6	-227	-306	-15	2,245
May	£3,298	£2,934	212	£2,722	5	-206	-448	-2	2,071
June	£3,225	£2,876	226	£2,650	5	-149	-358	-14	2,135
July	£3,383	£3,023	241	£2,783	6	-136	-161	£3	2,494
August	RE3,388	RE3,037	238	RE2,798	4	-145	R-227	R-23	R2,407
September	RE3,276	RE2,917	230	RE2,687	4	-220	-323	R26	R2,174
October	£3,381	£2,996	238	£2,758	5	-278	-92	-64	2,329
2020 10-Month	£33,816	£30,092	2,280	£27,812	52	-2,105	-761	-106	24,892
2019 10-Month	33,775	30,163	2,104	28,059	51	-1,472	-1,150	-315	25,172
2018 10-Month	30,674	27,139	1,837	25,302	57	-487	-227	-222	24,423

^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 2015 through 2019 include underground storage and liquefied natural gas storage. Data for January 2020 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 excludes net intransit deliveries. These net intransit deliveries were (in billion cubic feet): 35 for 2019; -11 for 2018; 14 for 2017; 70 for 2016; and 57 for 2015. 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.

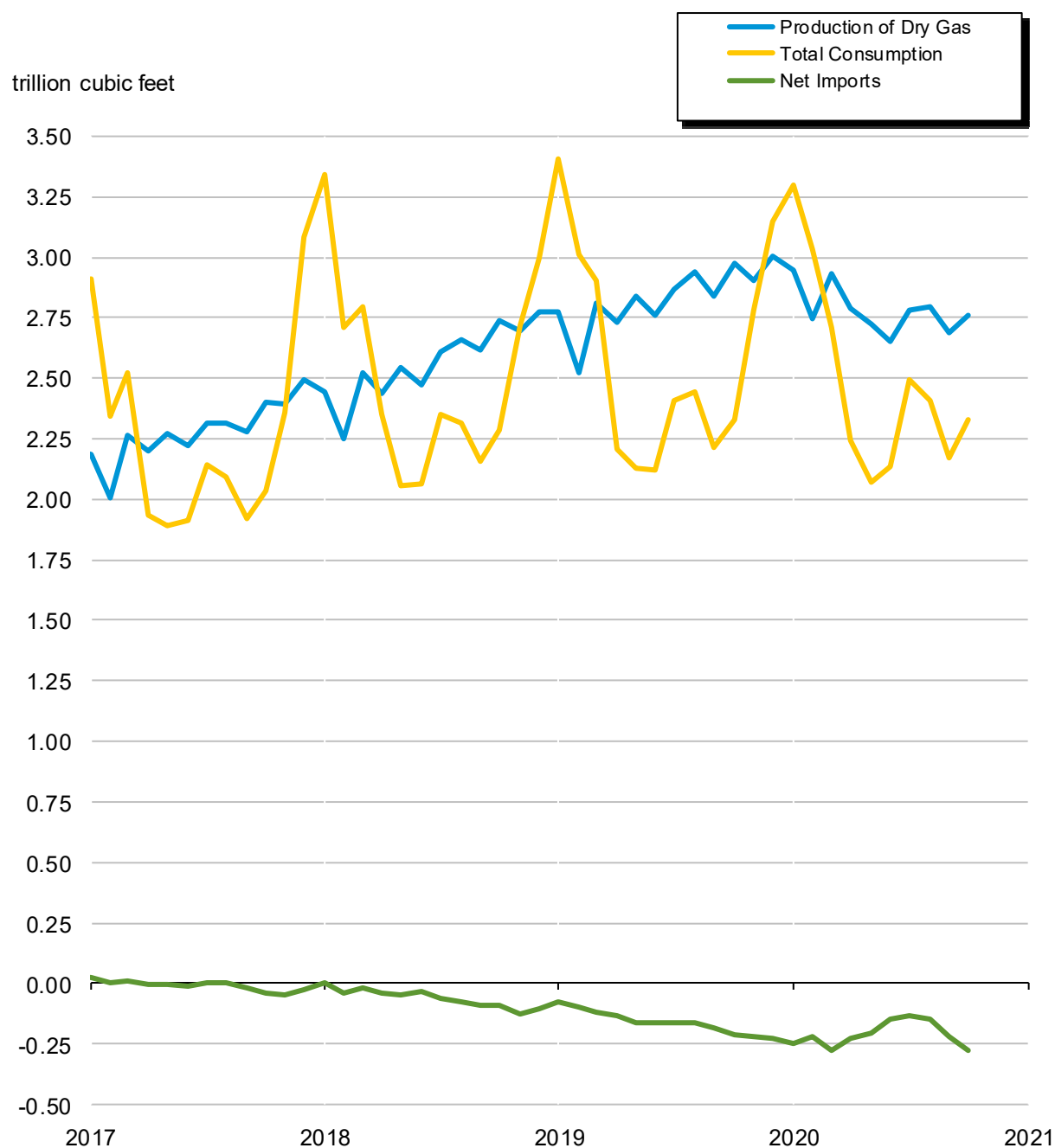
^{RE} Revised estimated data.

Notes: Data for 2015 through 2018 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: 2015-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*. January 2020 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, 2017-2020



Sources: 2017-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*. January 2020 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, 2015-2020

(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		
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 Total	1,583	722	4,413	3,165	7,943	9,266	48	24,835	27,140	1,036
2018										
January	134	99	981	554	782	786	4	3,108	3,341	1,038
February	124	80	690	424	699	690	4	2,507	2,711	1,037
March	139	82	659	418	738	757	4	2,576	2,797	1,037
April	134	68	441	302	697	704	4	2,148	2,350	1,035
May	140	59	169	164	671	848	4	1,856	2,055	1,034
June	136	59	119	142	649	953	4	1,867	2,063	1,035
July	144	68	106	138	668	1,224	4	2,139	2,351	1,035
August	147	67	100	143	668	1,186	4	2,100	2,314	1,034
September	144	62	112	147	657	1,030	4	1,950	2,156	1,035
October	151	66	255	237	684	888	4	2,069	2,286	1,036
November	149	79	599	386	736	763	4	2,488	2,716	1,037
December	153	88	766	459	768	762	4	2,759	3,000	1,038
Total	1,694	877	4,998	3,514	8,417	10,589	50	27,568	30,139	1,036
2019										
January	151	105	953	554	801	841	4	3,153	3,409	1,038
February	137	93	809	472	719	776	4	2,781	3,010	1,037
March	153	89	688	424	751	798	4	2,665	2,907	1,037
April	148	66	328	246	676	736	4	1,990	2,205	1,037
May	154	64	212	185	675	831	4	1,908	2,126	1,035
June	150	64	129	145	635	993	4	1,906	2,119	1,035
July	156	73	112	142	650	1,273	4	2,181	2,410	1,037
August	160	74	102	141	672	1,288	4	2,207	2,441	1,038
September	154	67	110	143	644	1,095	4	1,996	2,217	1,037
October	162	70	232	216	684	960	4	2,096	2,328	1,036
November	158	85	589	389	735	819	4	2,536	2,779	1,040
December	163	96	752	457	779	897	4	2,888	3,148	1,040
Total	1,846	944	5,016	3,513	8,422	11,307	51	28,308	31,099	1,038
2020										
January	£161	£100	821	487	791	931	£5	3,035	3,296	1,039
February	£150	£92	733	443	732	879	£5	2,791	3,033	1,039
March	£160	£82	525	337	720	879	£5	2,466	2,708	1,039
April	£152	£68	375	237	644	764	£5	2,025	2,245	1,039
May	£148	£63	235	161	625	834	£5	1,860	2,071	1,035
June	£145	£65	136	132	607	1,045	£5	1,925	2,135	1,032
July	£153	£76	118	129	641	1,373	£5	2,266	2,494	1,032
August	RE154	£73	110	131	654	1,281	£5	2,180	£2,407	1,033
September	£147	£66	125	142	651	1,037	£5	1,960	£2,174	1,035
October	£152	£71	244	208	696	954	£5	2,107	2,329	1,036
2020 10-Month YTD	£1,522	£756	3,421	2,407	6,761	9,976	£49	22,615	24,892	1,036
2019 10-Month YTD	1,525	763	3,675	2,667	6,908	9,591	43	22,884	25,172	1,037
2018 10-Month YTD	1,393	710	3,633	2,669	6,913	9,064	42	22,321	24,423	1,036

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

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

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

^R Revised data.

^E Estimated data.

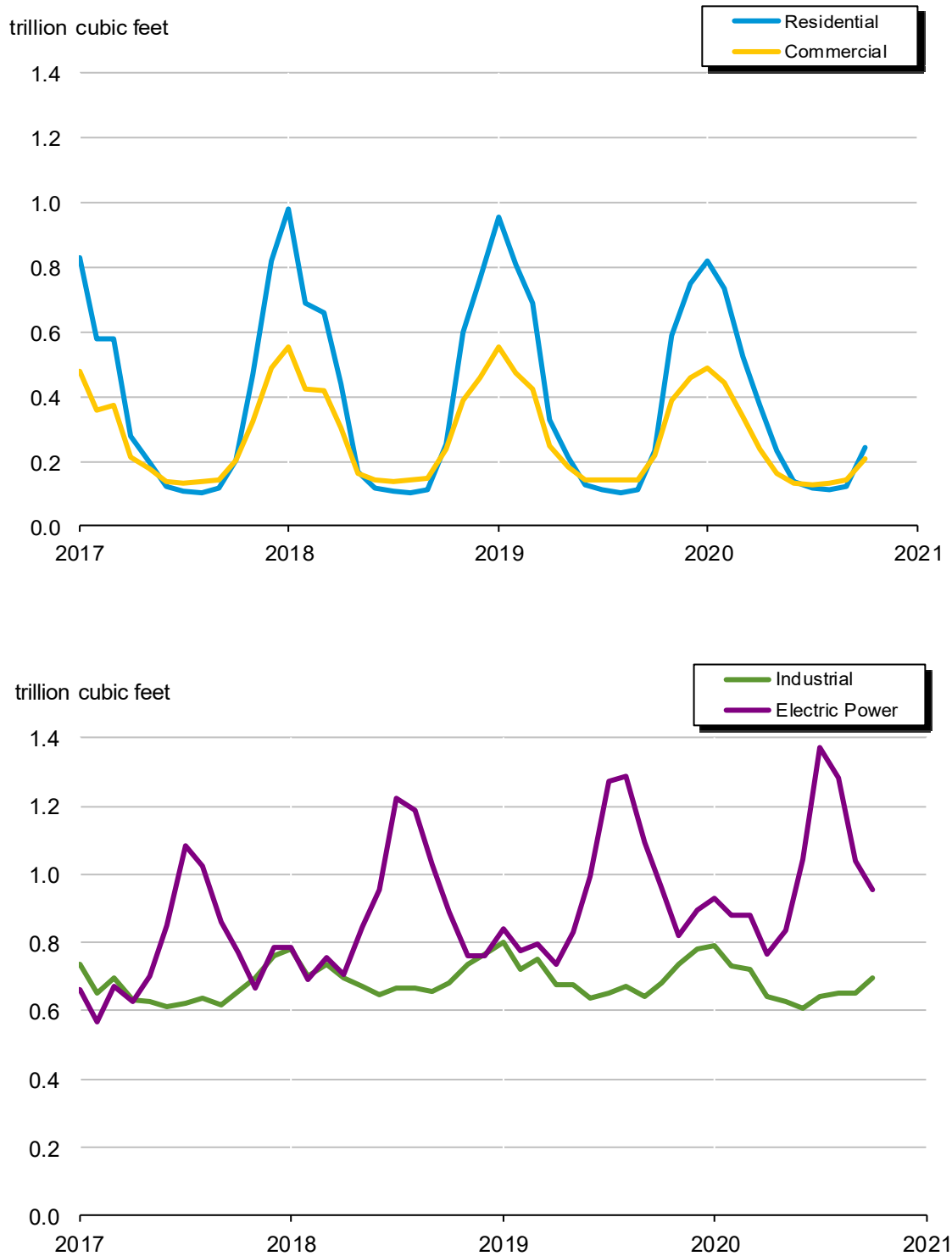
^{RE} Revised estimated data.

Notes: Data for 2015 through 2018 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: 2015-2019: 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 2019*. January 2020 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, 2017-2020



Sources: 2017-2019: U.S. Energy Information Administration (EIA): Form EIA-857, *Monthly Report of Natural Gas Purchases and Deliveries to Consumers*; Form EIA-923, *Power Plant Operations Report*; EIA computations; and *Natural Gas Annual 2019*. January 2020 through current month: Form EIA-857 and Form EIA-923.

Table 3. Selected national average natural gas prices, 2015-2020

(dollars per thousand cubic feet, except where noted)

Year and Month	NGPL Composite Spot Price ^a	Natural Gas Spot Price ^b	Citygate Price	Delivered to Consumers						Electric Power Price ^d
				Residential		Commercial		Industrial		
				Price	% of Total ^c	Price	% of Total ^c	Price	% of Total ^c	
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 Annual Average	6.92	2.99	4.16	10.91	95.9	7.88	65.4	4.08	14.8	3.51
2018										
January	7.91	3.87	4.36	8.90	96.1	7.40	71.5	4.46	15.2	5.38
February	7.43	2.67	3.99	9.63	96.0	7.74	69.3	4.85	14.8	3.75
March	7.17	2.69	3.69	9.76	95.9	7.71	68.6	4.00	15.3	3.32
April	7.49	2.80	3.65	10.05	95.6	7.65	65.4	3.89	15.0	3.26
May	8.40	2.80	4.14	13.52	94.8	8.34	60.0	3.80	14.1	3.16
June	8.57	2.97	4.49	16.47	95.7	8.58	57.7	3.77	14.1	3.23
July	8.99	2.83	4.50	17.85	95.8	8.84	56.4	3.75	13.9	3.35
August	9.18	2.96	5.25	18.56	95.6	8.69	55.1	3.67	14.2	3.39
September	10.46	3.00	4.72	17.23	96.2	8.57	56.9	3.75	14.0	3.23
October	9.11	3.28	4.10	12.22	96.5	7.69	61.3	4.03	14.3	3.52
November	6.97	4.09	4.28	9.42	96.4	7.34	66.6	4.51	14.5	4.34
December	6.38	4.04	4.72	9.62	96.2	7.70	69.0	5.47	14.5	4.89
Annual Average	8.20	3.15	4.23	10.50	96.0	7.79	65.8	4.19	14.5	3.68
2019										
January	6.46	3.11	4.03	9.36	96.4	7.67	70.1	5.02	13.7	4.16
February	6.60	2.69	3.91	9.40	96.1	7.55	69.3	4.62	14.1	3.79
March	6.58	2.95	4.07	9.42	96.0	7.41	69.1	4.31	13.7	3.59
April	6.09	2.65	3.72	10.85	95.6	7.73	64.1	3.99	13.0	2.99
May	5.61	2.64	3.66	12.76	95.7	8.06	60.6	3.64	12.6	2.85
June	4.50	2.40	4.17	15.55	95.6	8.23	58.1	3.54	12.4	2.67
July	4.62	2.37	4.17	17.74	95.9	8.47	56.0	3.34	13.0	2.62
August	4.48	2.22	4.15	18.38	96.1	8.42	55.6	3.20	12.3	2.50
September	5.04	2.56	4.07	17.61	96.2	8.34	56.2	3.34	12.2	2.68
October	5.12	2.33	3.42	12.50	96.8	7.64	60.3	3.42	12.0	2.58
November	5.64	2.65	3.46	9.33	96.6	6.98	66.7	3.86	12.7	3.08
December	5.33	2.22	3.50	9.30	96.4	7.19	68.8	3.88	12.8	3.05
Annual Average	5.49	2.56	3.81	10.51	96.2	7.61	65.5	3.90	12.9	2.99
2020										
January	4.84	2.02	3.28	9.51	96.4	7.25	69.4	3.66	13.1	2.74
February	4.38	1.91	3.10	9.12	96.3	6.87	68.9	3.54	13.2	2.50
March	3.06	1.79	3.23	9.85	96.1	7.32	66.5	3.34	13.0	2.23
April	2.85									

^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.

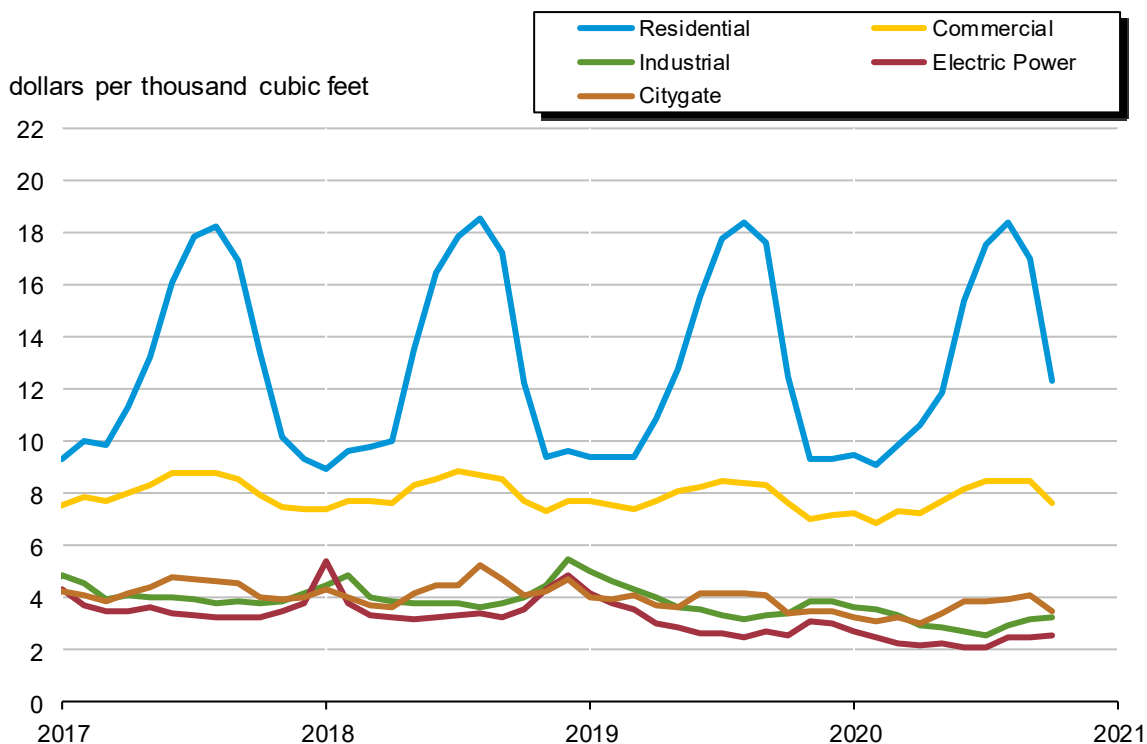
^c Percentage of total deliveries represented by onsystem sales (see Figure 6). See Table 24 for state data.

^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.

Notes: Prices are in nominal dollars. Data for 2015 through 2018 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: 2015-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*. January 2020 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.

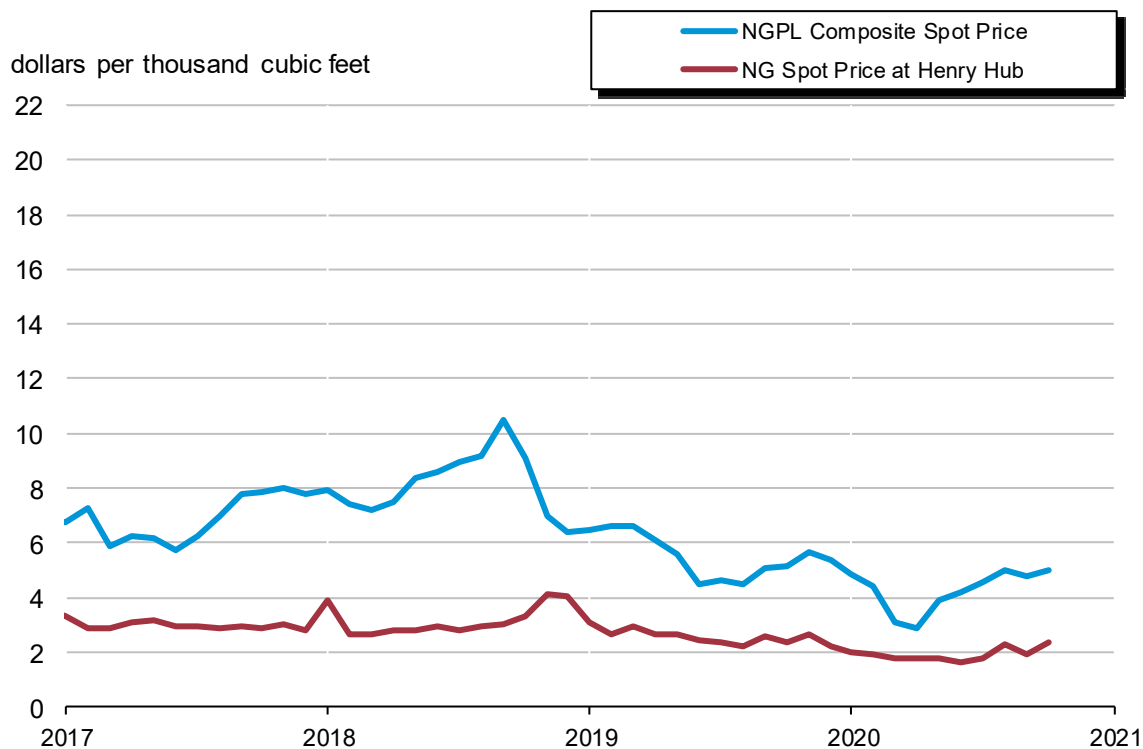
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2017-2020



Note: Prices are in nominal dollars.

Sources: 2017-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*. January 2020 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, 2017-2020



Note: Prices are in nominal dollars.

Sources: 2017-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*. January 2020 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, 2018-2020

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

	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	October	September	August	July	2020 June
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	2,050,175	2,221,131	2,356,866	201,562	173,104	210,541	208,734	184,944
Mexico	1,594	814	3,172	89	99	376	119	32
Total Pipeline Imports	2,051,769	2,221,945	2,360,037	201,651	173,203	210,917	208,854	184,976
LNG								
By Truck								
Canada	32	222	1,762	8	6	9	4	0
By Vessel								
France	0	2,651	2,768	0	0	0	0	0
Nigeria	4,277	0	0	0	0	0	0	2,693
Norway	3,032	0	0	0	0	0	0	0
Trinidad/Tobago	33,538	36,768	51,226	0	1,235	2,874	4,078	2,178
United Kingdom	0	0	3,119	0	0	0	0	0
Total LNG Imports	40,878	39,641	58,875	8	1,241	2,883	4,083	4,871
CNG								
Canada	260	313	299	25	17	24	22	36
Total CNG Imports	260	313	299	25	17	24	22	36
Total Imports	2,092,907	2,261,899	2,419,212	201,684	174,461	213,824	212,958	189,883
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.84	2.37	2.30	2.17	2.00	1.87	1.57	1.53
Mexico	3.50	2.98	4.36	2.97	3.41	7.81	1.89	0.84
Total Pipeline Imports	1.84	2.38	2.30	2.17	2.00	1.88	1.57	1.53
LNG								
By Truck								
Canada	6.19	7.14	8.55	4.74	6.40	5.31	9.96	--
By Vessel								
France	--	10.39	8.35	--	--	--	--	--
Nigeria	3.12	--	--	--	--	--	--	1.84
Norway	6.16	--	--	--	--	--	--	--
Trinidad/Tobago	4.30	7.61	5.16	--	3.38	1.50	4.59	1.33
United Kingdom	--	--	13.26	--	--	--	--	--
Total LNG Imports	4.31	7.80	5.84	4.74	3.40	1.52	4.59	1.61
CNG								
Canada	3.17	3.07	3.61	2.27	2.26	2.39	2.24	2.13
Total CNG Imports	3.17	3.07	3.61	2.27	2.26	2.39	2.24	2.13
Total Imports	1.97	2.61	2.53	2.17	2.03	1.90	1.72	1.57
Net Imports - Volume	-2,105,486	-1,472,057	-487,035	-277,635	-220,370	-144,743	-136,172	-148,560

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2018-2020

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

	2020					2019		
	May	April	March	February	January	Total	December	November
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	186,503	190,104	214,093	232,024	248,565	2,686,564	244,590	220,843
Mexico	63	60	100	355	300	1,873	949	109
Total Pipeline Imports	186,566	190,164	214,193	232,379	248,865	2,688,436	245,539	220,952
LNG								
By Truck								
Canada	*	0	3	1	1	226	3	1
By Vessel								
France	0	0	0	0	0	2,651	0	0
Nigeria	0	0	0	0	1,584	3,154	3,154	0
Norway	0	0	0	0	3,032	0	0	0
Trinidad/Tobago	2,811	3,214	2,857	5,689	8,602	46,872	7,323	2,780
United Kingdom	0	0	0	0	0	0	0	0
Total LNG Imports	2,811	3,214	2,860	5,689	13,218	52,903	10,481	2,781
CNG								
Canada	26	23	34	15	38	377	33	31
Total CNG Imports	26	23	34	15	38	377	33	31
Total Imports	189,403	193,401	217,087	238,084	262,122	2,741,717	256,053	223,765
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.58	1.48	1.62	1.94	2.44	2.44	2.84	2.66
Mexico	1.51	1.26	1.64	2.11	2.34	2.83	2.72	2.71
Total Pipeline Imports	1.58	1.48	1.62	1.94	2.44	2.44	2.84	2.66
LNG								
By Truck								
Canada	5.75	--	6.30	6.74	8.81	7.19	9.98	8.98
By Vessel								
France	--	--	--	--	--	10.39	--	--
Nigeria	--	--	--	--	5.30	5.56	5.56	--
Norway	--	--	--	--	6.16	--	--	--
Trinidad/Tobago	4.26	1.48	4.34	5.66	6.11	7.40	6.42	7.12
United Kingdom	--	--	--	--	--	--	--	--
Total LNG Imports	4.26	1.48	4.34	5.67	6.03	7.44	6.17	7.12
CNG								
Canada	2.37	2.27	2.92	3.99	7.16	3.43	5.80	4.52
Total CNG Imports	2.37	2.27	2.92	3.99	7.16	3.43	5.80	4.52
Total Imports	1.68	1.50	1.71	2.16	2.92	2.54	3.23	2.80
Net Imports - Volume	-205,904	-227,330	-280,311	-216,135	-248,324	-1,914,608	-224,953	-217,597

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2018-2020

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

	2019							
	October	September	August	July	June	May	April	March
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	204,908	208,201	217,054	227,488	201,069	207,535	203,620	249,309
Mexico	69	63	114	62	64	78	65	133
Total Pipeline Imports	204,977	208,264	217,167	227,550	201,133	207,613	203,685	249,443
LNG								
By Truck								
Canada	*	0	*	*	5	9	31	44
By Vessel								
France	0	0	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	5,532	0	2,886	2,832	0	0	2,811	3,456
United Kingdom	0	0	0	0	0	0	0	0
Total LNG Imports	5,532	0	2,886	2,832	5	9	2,842	3,499
CNG								
Canada	28	22	23	26	26	29	32	47
Total CNG Imports	28	22	23	26	26	29	32	47
Total Imports	210,537	208,286	220,076	230,407	201,163	207,651	206,559	252,989
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.96	1.65	1.63	1.72	1.54	1.81	1.97	3.63
Mexico	2.28	2.09	2.24	2.29	2.08	1.89	2.40	4.06
Total Pipeline Imports	1.96	1.65	1.63	1.72	1.54	1.81	1.97	3.63
LNG								
By Truck								
Canada	6.33	--	6.00	6.33	8.44	7.66	7.20	7.07
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	4.65	--	4.57	6.73	--	--	7.33	7.71
United Kingdom	--	--	--	--	--	--	--	--
Total LNG Imports	4.65	--	4.57	6.73	8.44	7.66	7.32	7.70
CNG								
Canada	2.48	0.36	0.61	0.68	0.85	0.94	1.57	3.48
Total CNG Imports	2.48	0.36	0.61	0.68	0.85	0.94	1.57	3.48
Total Imports	2.15	1.65	1.73	1.86	1.54	1.81	2.14	3.79
Net Imports - Volume	-215,237	-186,225	-164,907	-162,993	-159,063	-160,917	-131,654	-120,550

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2018-2020

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

	2019							2018
	February	January	Total	December	November	October	September	August
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	225,650	276,296	2,808,720	242,282	209,573	208,954	210,828	231,007
Mexico	100	67	3,316	66	79	69	68	522
Total Pipeline Imports	225,750	276,363	2,812,036	242,347	209,652	209,023	210,896	231,529
LNG								
By Truck								
Canada	56	78	1,885	53	70	379	194	242
By Vessel								
France	0	2,651	2,768	0	0	0	0	0
Nigeria	0	0	2,860	2,860	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	7,499	11,753	65,819	11,859	2,734	5,696	2,961	5,231
United Kingdom	0	0	3,119	0	0	0	0	0
Total LNG Imports	7,555	14,482	76,451	14,771	2,805	6,075	3,154	5,473
CNG								
Canada	39	42	359	30	30	30	24	23
Total CNG Imports	39	42	359	30	30	30	24	23
Total Imports	233,344	290,886	2,888,847	257,148	212,486	215,128	214,074	237,025
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.60	3.55	2.58	4.14	3.87	2.34	1.97	2.09
Mexico	5.29	3.55	4.34	4.87	2.98	2.43	3.13	5.49
Total Pipeline Imports	3.60	3.55	2.58	4.14	3.87	2.34	1.97	2.10
LNG								
By Truck								
Canada	7.06	7.08	8.51	7.20	8.44	9.64	8.36	8.32
By Vessel								
France	--	10.39	8.35	--	--	--	--	--
Nigeria	--	--	8.84	8.84	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	8.98	9.14	6.01	8.60	10.76	5.66	4.80	3.50
United Kingdom	--	--	13.26	--	--	--	--	--
Total LNG Imports	8.97	9.36	6.56	8.64	10.70	5.90	5.02	3.72
CNG								
Canada	6.48	8.08	3.89	8.23	2.22	2.00	1.48	1.42
Total CNG Imports	6.48	8.08	3.89	8.23	2.22	2.00	1.48	1.42
Total Imports	4.06	4.30	2.69	4.89	4.10	2.61	2.09	2.22
Net Imports - Volume	-96,610	-73,900	-718,995	-106,658	-125,302	-91,525	-87,667	-74,424

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2018-2020

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

	2018						
	July	June	May	April	March	February	January
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	240,422	225,297	224,298	239,027	264,129	229,812	283,093
Mexico	960	240	190	68	119	805	130
Total Pipeline Imports	241,382	225,537	224,488	239,095	264,248	230,617	283,223
LNG							
By Truck							
Canada	226	216	224	196	54	21	10
By Vessel							
France	0	0	0	0	2,768	0	0
Nigeria	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	5,376	2,688	2,429	2,934	3,650	6,750	13,511
United Kingdom	0	0	0	0	0	0	3,119
Total LNG Imports	5,602	2,904	2,653	3,131	6,473	6,771	16,640
CNG							
Canada	28	28	27	39	42	29	28
Total CNG Imports	28	28	27	39	42	29	28
Total Imports	247,012	228,469	227,168	242,264	270,762	237,417	299,891
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.02	1.77	1.64	2.11	2.16	2.75	3.79
Mexico	5.32	2.63	2.22	2.10	2.65	4.38	3.38
Total Pipeline Imports	2.03	1.77	1.64	2.11	2.16	2.76	3.79
LNG							
By Truck							
Canada	8.32	8.18	8.27	8.30	7.94	7.17	7.94
By Vessel							
France	--	--	--	--	8.35	--	--
Nigeria	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	3.53	4.33	4.27	4.33	6.08	5.95	6.18
United Kingdom	--	--	--	--	--	--	13.26
Total LNG Imports	3.72	4.62	4.61	4.57	7.07	5.95	7.51
CNG							
Canada	1.31	1.01	1.19	2.69	2.14	12.03	10.87
Total CNG Imports	1.31	1.01	1.19	2.69	2.14	12.03	10.87
Total Imports	2.16	1.87	1.73	2.20	2.45	3.02	4.41
Net Imports - Volume	-58,986	-33,526	-44,947	-36,677	-20,705	-38,235	-342

^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.

-- Not applicable.

* Volume is between -500 Mcf and 500 Mcf.

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://www.energy.gov/fe/services/natural-gas-regulation>) 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, 2018-2020

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

	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	October	September	August	July	2020 June
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	735,132	770,069	646,097	71,171	62,211	60,810	71,778	66,516
Mexico	1,658,346	1,555,388	1,407,235	185,197	181,493	185,295	181,152	162,927
Total Pipeline Exports	2,393,478	2,325,457	2,053,332	256,367	243,703	246,105	252,930	229,442
LNG								
Exports								
By Vessel								
Argentina	17,148	39,293	27,560	0	0	4,413	2,218	2,229
Bahamas	189	131	110	25	20	21	15	18
Bangladesh	10,660	0	0	0	0	0	3,614	0
Barbados	201	171	134	17	14	14	15	20
Belgium	31,727	10,196	0	3,285	0	0	0	0
Brazil	51,790	51,018	35,645	22,508	0	3,520	0	0
Chile	67,570	79,666	34,233	6,836	3,277	7,428	1,515	3,313
China	123,792	6,851	83,425	35,115	11,245	13,699	10,358	0
Colombia	4,626	6,518	5,101	0	2,548	550	0	0
Dominican Republic	15,945	9,833	5,835	5,909	0	2,772	0	0
Egypt	0	0	6,554	0	0	0	0	0
France	79,682	76,087	4,846	6,639	0	0	0	0
Greece	41,478	6,891	0	0	7,027	0	6,544	1,076
Haiti	90	22	0	9	8	11	8	7
India	103,861	77,458	50,478	17,762	10,514	10,319	7,404	10,100
Israel	15,834	0	3,270	0	3,041	3,001	3,317	3,277
Italy	65,370	49,546	11,253	0	0	6,734	3,232	12,998
Jamaica	14,678	8,993	0	2,514	2,610	0	0	0
Japan	201,088	162,256	87,722	31,636	6,855	22,541	10,618	21,836
Jordan	6,872	32,332	31,404	0	3,578	0	0	0
Kuwait	17,293	10,308	9,981	3,603	3,508	6,886	0	0
Lithuania	18,966	0	0	6,191	3,308	0	0	3,049
Malaysia	0	0	0	0	0	0	0	0
Malta	2,648	413	2,927	0	0	0	0	0
Mexico	31,352	130,402	164,842	7,398	3,285	3,701	0	0
Netherlands	75,573	57,857	9,239	3,603	6,671	0	6,746	6,870
Pakistan	33,498	20,288	12,956	10,009	9,853	3,412	0	0
Panama	11,045	9,743	3,518	433	3,228	0	0	0
Poland	29,867	27,597	0	3,157	0	0	0	3,385
Portugal	27,381	46,997	9,214	3,564	6,853	0	0	0
Singapore	20,683	28,065	0	3,416	0	2,967	3,690	0
South Korea	227,893	206,924	201,021	14,321	32,126	13,814	10,492	28,171
Spain	176,435	132,826	6,780	14,118	15,206	3,222	13,679	9,640
Taiwan	45,677	20,003	13,307	3,636	9,007	0	0	2,953
Thailand	28,917	6,635	0	0	0	0	3,254	0
Turkey	90,952	22,809	10,273	0	3,611	0	3,222	0
United Arab Emirates	10,110	20,561	3,638	0	0	3,359	3,277	0
United Kingdom	103,278	48,651	17,103	17,191	3,664	0	2,908	0
By Truck								
Canada	2	25	18	0	0	0	0	0
Mexico	713	926	352	57	73	78	72	61
Total LNG Exports	1,804,882	1,408,291	852,738	222,952	151,128	112,462	96,200	109,002
CNG								
Canada	33	208	176	0	0	0	0	0
Total CNG Exports	33	208	176	0	0	0	0	0
Total Exports	4,198,393	3,733,956	2,906,246	479,320	394,831	358,567	349,130	338,444

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2018-2020

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

	2020					2019		
	May	April	March	February	January	Total	December	November
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	67,752	71,722	86,579	77,361	99,233	971,334	109,175	92,089
Mexico	145,242	138,544	166,550	151,071	160,875	1,865,329	151,308	158,633
Total Pipeline Exports	212,994	210,266	253,130	228,432	260,108	2,836,662	260,483	250,722
LNG								
Exports								
By Vessel								
Argentina	8,287	0	0	0	0	39,293	0	0
Bahamas	20	23	20	13	15	156	11	14
Bangladesh	3,406	0	0	0	3,640	3,419	3,419	0
Barbados	20	15	28	26	33	211	20	20
Belgium	4,762	3,324	3,724	9,872	6,761	23,897	10,407	3,293
Brazil	0	0	6,891	10,433	8,438	54,298	0	3,279
Chile	11,068	14,098	3,216	10,731	6,087	90,357	7,207	3,484
China	14,535	21,140	17,699	0	0	6,851	0	0
Colombia	0	0	0	1,003	525	6,518	0	0
Dominican Republic	2,554	1,838	2,872	0	0	10,334	501	0
Egypt	0	0	0	0	0	0	0	0
France	6,133	16,336	23,491	20,520	6,563	117,791	14,758	26,946
Greece	3,430	3,233	8,892	0	11,276	14,643	7,752	0
Haiti	10	8	9	11	7	42	12	8
India	10,534	16,674	17,245	0	3,309	91,481	7,090	6,933
Israel	0	0	3,197	0	0	0	0	0
Italy	6,452	3,135	9,895	16,616	6,308	68,655	12,764	6,345
Jamaica	0	5,770	1	2,914	869	13,892	2,435	2,464
Japan	13,729	18,387	21,845	21,360	32,280	201,085	21,226	17,603
Jordan	3,294	0	0	0	0	32,332	0	0
Kuwait	0	3,297	0	0	0	10,308	0	0
Lithuania	3,473	2,945	0	0	0	3,455	3,455	0
Malaysia	0	0	0	0	0	3,698	0	3,698
Malta	0	0	0	48	2,600	413	0	0
Mexico	0	0	7,037	3,167	6,764	143,371	9,696	3,273
Netherlands	6,826	10,305	13,772	14,099	6,681	81,361	13,405	10,099
Pakistan	0	3,334	0	3,567	3,323	26,787	3,253	3,247
Panama	3,070	0	906	3,408	0	10,221	0	478
Poland	6,258	3,523	3,583	6,677	3,282	38,042	7,013	3,432
Portugal	0	10,777	0	6,187	0	53,342	6,345	0
Singapore	0	0	10,610	0	0	31,440	3,375	0
South Korea	20,921	24,258	28,095	11,071	44,625	270,025	38,139	24,962
Spain	29,319	22,943	23,657	20,240	24,412	166,684	13,874	19,985
Taiwan	6,662	0	6,987	7,115	9,317	27,397	3,658	3,736
Thailand	7,397	11,049	3,783	3,435	0	6,635	0	0
Turkey	6,661	14,030	6,489	24,303	32,637	30,611	536	7,266
United Arab Emirates	3,474	0	0	0	0	20,561	0	0
United Kingdom	0	0	20,202	28,884	30,428	118,662	30,054	39,957
By Truck								
Canada	0	0	0	0	2	25	0	1
Mexico	18	23	122	87	122	1,105	93	86
Total LNG Exports	182,313	210,466	244,269	225,786	250,305	1,819,399	220,498	190,610
CNG								
Canada	0	0	0	0	33	263	25	30
Total CNG Exports	0	0	0	0	33	263	25	30
Total Exports	395,307	420,731	497,399	454,219	510,446	4,656,324	481,006	441,362

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2018-2020

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

	2019							
	October	September	August	July	June	May	April	March
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	76,246	71,573	78,302	68,613	61,809	70,182	71,333	93,182
Mexico	171,535	162,649	168,089	167,902	156,440	153,452	139,750	149,514
Total Pipeline Exports	247,781	234,222	246,391	236,515	218,249	223,633	211,083	242,696
LNG								
Exports								
By Vessel								
Argentina	0	0	0	13,066	13,120	8,737	4,369	0
Bahamas	8	2	20	11	25	14	14	11
Bangladesh	0	0	0	0	0	0	0	0
Barbados	25	17	17	17	13	21	17	14
Belgium	3,402	3,404	0	0	0	0	0	3,390
Brazil	3,345	6,117	12,868	6,949	9,116	4,905	1,201	3,283
Chile	6,608	9,811	6,297	9,382	19,012	6,188	9,429	10,005
China	0	0	0	0	0	0	0	0
Colombia	0	0	649	0	0	0	0	2,935
Dominican Republic	2,927	2,857	0	0	1,108	0	0	0
Egypt	0	0	0	0	0	0	0	0
France	14,228	6,740	3,249	0	0	6,621	17,092	20,853
Greece	0	0	0	0	0	3,497	0	0
Haiti	4	9	3	2	3	0	2	0
India	6,961	14,355	7,294	3,485	3,215	13,942	6,742	7,446
Israel	0	0	0	0	0	0	0	0
Italy	0	3,230	6,082	9,963	3,072	6,560	0	6,684
Jamaica	0	0	2,946	837	0	2,890	0	2,320
Japan	24,504	28,084	17,506	21,242	14,582	7,149	14,231	7,143
Jordan	0	3,616	3,277	3,449	7,342	7,332	3,622	0
Kuwait	0	0	3,401	3,405	0	3,502	0	0
Lithuania	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	413	0
Mexico	6,437	10,442	13,681	24,209	16,955	20,244	10,406	7,038
Netherlands	3,456	3,431	6,688	3,386	3,310	10,734	13,010	10,452
Pakistan	3,472	6,512	0	3,656	0	0	0	3,282
Panama	0	0	0	0	3,282	0	0	3,191
Poland	3,489	0	3,537	3,694	0	0	3,414	3,701
Portugal	6,621	2,924	6,051	6,994	6,908	0	3,489	0
Singapore	3,463	0	0	3,570	3,435	3,397	320	6,631
South Korea	42,233	10,818	16,995	32,663	20,402	18,069	13,000	18,013
Spain	13,704	37,938	15,861	3,297	13,506	14,325	10,139	10,678
Taiwan	3,138	0	7,207	0	0	3,309	6,349	0
Thailand	0	3,234	0	0	0	3,401	0	0
Turkey	3,528	0	0	0	0	0	2,969	0
United Arab Emirates	0	3,325	3,502	3,487	3,459	0	6,787	0
United Kingdom	26,260	3,303	1,335	0	0	0	0	3,669
By Truck								
Canada	14	9	0	0	0	0	0	0
Mexico	139	95	113	101	92	75	87	73
Total LNG Exports	177,966	160,274	138,578	156,865	141,956	144,913	127,102	130,814
CNG								
Canada	28	15	15	20	20	22	28	29
Total CNG Exports	28	15	15	20	20	22	28	29
Total Exports	425,775	394,511	384,983	393,400	360,226	368,568	338,213	373,539

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2018-2020

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

	2019							2018
	February	January	Total	December	November	October	September	August
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	91,561	87,269	835,982	100,101	89,784	64,726	70,393	65,677
Mexico	135,514	150,544	1,688,519	140,888	140,396	152,032	149,961	154,231
Total Pipeline Exports	227,074	237,813	2,524,501	240,989	230,180	216,758	220,355	219,909
LNG								
Exports								
By Vessel								
Argentina	0	0	27,560	0	0	0	0	10,679
Bahamas	14	11	137	14	13	12	12	10
Bangladesh	0	0	0	0	0	0	0	0
Barbados	14	17	174	20	20	14	14	13
Belgium	0	0	0	0	0	0	0	0
Brazil	3,234	0	35,645	0	0	0	0	15,425
Chile	2,933	0	41,186	3,276	3,676	0	3,675	0
China	3,464	3,387	90,473	3,598	3,451	7,269	0	3,588
Colombia	0	2,934	5,101	0	0	0	0	867
Dominican Republic	2,942	0	5,835	0	0	0	0	2,992
Egypt	0	0	6,554	0	0	0	0	0
France	0	7,303	18,291	3,453	9,991	4,846	0	0
Greece	3,394	0	3,722	3,722	0	0	0	0
Haiti	0	0	0	0	0	0	0	0
India	6,989	7,030	57,634	7,156	0	7,131	5,910	0
Israel	0	0	3,270	0	0	0	0	0
Italy	3,454	10,502	17,390	6,137	0	4,785	6,468	0
Jamaica	0	0	1,303	0	1,303	0	0	0
Japan	10,320	17,495	125,534	13,977	23,835	3,017	16,698	10,286
Jordan	3,695	0	38,794	0	7,390	3,666	0	3,677
Kuwait	0	0	9,981	0	0	0	0	3,485
Lithuania	0	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0	0
Malta	0	0	2,927	0	0	0	0	0
Mexico	6,681	14,310	182,246	10,610	6,794	7,076	10,559	20,708
Netherlands	3,390	0	12,188	0	2,949	3,071	2,915	0
Pakistan	3,365	0	12,956	0	0	0	0	0
Panama	3,269	0	6,786	3,268	0	0	0	0
Poland	0	9,762	3,231	0	3,231	0	0	0
Portugal	3,720	10,289	12,512	3,298	0	0	3,670	2,296
Singapore	7,249	0	3,679	3,679	0	0	0	0
South Korea	17,750	16,981	252,223	33,567	17,635	34,923	24,179	17,467
Spain	6,748	6,631	10,310	0	3,529	3,551	0	0
Taiwan	0	0	16,731	3,423	0	0	0	0
Thailand	0	0	0	0	0	0	0	0
Turkey	6,483	9,829	23,205	9,976	2,956	3,281	0	0
United Arab Emirates	0	0	3,638	0	0	0	3,638	0
United Kingdom	3,711	10,373	51,297	13,499	20,695	7,213	3,624	0
By Truck								
Canada	1	0	19	1	0	0	2	0
Mexico	48	104	587	121	115	31	17	33
Total LNG Exports	102,866	126,957	1,083,118	122,795	107,585	89,886	81,381	91,526
CNG								
Canada	15	16	223	22	24	9	6	15
Total CNG Exports	15	16	223	22	24	9	6	15
Total Exports	329,954	364,787	3,607,841	363,806	337,789	306,653	301,742	311,449

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2018-2020

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

	2018						
	July	June	May	April	March	February	January
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	56,880	50,976	39,689	62,641	67,652	76,340	91,120
Mexico	150,856	137,454	137,600	130,586	132,249	125,628	136,638
Total Pipeline Exports	207,736	188,431	177,289	193,227	199,901	201,968	227,758
LNG							
Exports							
By Vessel							
Argentina	2,939	0	5,392	5,217	3,333	0	0
Bahamas	11	14	11	8	16	12	4
Bangladesh	0	0	0	0	0	0	0
Barbados	10	10	13	8	13	20	20
Belgium	0	0	0	0	0	0	0
Brazil	12,540	0	1,153	3,255	3,272	0	0
Chile	6,525	5,865	0	4,987	6,994	3,249	2,938
China	10,644	2,926	10,416	17,509	10,739	6,750	13,584
Colombia	1,521	1,113	0	1,599	0	0	0
Dominican Republic	0	0	1,023	0	1,821	0	0
Egypt	0	0	0	0	0	0	6,554
France	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0
Haiti	0	0	0	0	0	0	0
India	5,918	6,717	7,118	3,254	10,834	0	3,596
Israel	0	0	3,270	0	0	0	0
Italy	0	0	0	0	0	0	0
Jamaica	0	0	0	0	0	0	0
Japan	13,438	9,820	12,782	10,967	0	7,099	3,615
Jordan	0	3,201	10,572	3,293	3,694	3,300	0
Kuwait	0	0	6,496	0	0	0	0
Lithuania	0	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0	0
Malta	2,927	0	0	0	0	0	0
Mexico	21,237	26,591	13,512	11,074	28,877	14,777	10,431
Netherlands	0	0	0	3,253	0	0	0
Pakistan	0	0	3,222	3,258	3,108	0	3,368
Panama	0	0	2,077	0	1,442	0	0
Poland	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	3,247
Singapore	0	0	0	0	0	0	0
South Korea	14,040	13,994	17,735	17,996	11,079	28,322	21,286
Spain	3,230	0	0	0	0	0	0
Taiwan	3,234	3,268	0	0	0	6,806	0
Thailand	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	3,279	3,714
United Arab Emirates	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	6,267	0	0
By Truck							
Canada	0	0	0	1	0	15	0
Mexico	26	17	6	4	56	56	105
Total LNG Exports	98,240	73,535	94,797	85,684	91,542	73,684	72,463
CNG							
Canada	22	29	30	29	24	0	13
Total CNG Exports	22	29	30	29	24	0	13
Total Exports	305,997	261,995	272,116	278,941	291,468	275,652	300,234

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2018-2020

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

	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	October	September	August	July	2020 June
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.93	2.79	3.09	2.06	2.00	1.92	1.75	1.77
Mexico	1.98	2.59	3.17	2.21	2.30	2.17	1.86	1.78
Total Pipeline Exports	1.96	2.66	3.15	2.17	2.22	2.11	1.83	1.78
LNG								
Exports								
By Vessel								
Argentina	4.65	5.14	6.01	--	--	3.16	6.69	4.05
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	5.17	--	--	--	--	--	5.44	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	4.07	5.37	--	5.63	--	--	--	--
Brazil	5.54	5.08	6.05	7.02	--	2.63	--	--
Chile	5.40	4.53	4.28	5.39	6.20	7.33	6.69	5.80
China	5.44	6.20	4.26	5.50	6.65	6.84	6.31	--
Colombia	5.83	4.06	4.86	--	6.23	5.38	--	--
Dominican Republic	5.50	4.43	3.91	5.92	--	5.38	--	--
Egypt	--	--	3.27	--	--	--	--	--
France	4.89	5.13	6.72	3.54	--	--	--	--
Greece	5.82	5.38	--	--	4.52	--	6.67	5.47
Haiti	10.39	10.39	--	10.39	10.39	10.39	10.39	10.39
India	5.16	4.73	4.79	5.17	5.67	6.63	4.79	5.81
Israel	5.17	--	6.48	--	6.23	4.84	5.44	4.05
Italy	5.05	5.07	5.73	--	--	4.07	5.08	5.10
Jamaica	4.70	4.83	--	4.25	3.19	--	--	--
Japan	6.01	6.50	6.75	6.76	5.37	6.69	6.60	5.93
Jordan	5.28	3.99	4.17	--	5.71	--	--	--
Kuwait	5.27	4.92	6.67	5.14	5.67	5.47	--	--
Lithuania	4.56	--	--	3.64	6.72	--	--	5.20
Malaysia	--	--	--	--	--	--	--	--
Malta	5.33	3.76	6.70	--	--	--	--	--
Mexico	4.85	4.51	4.59	5.26	5.70	4.71	--	--
Netherlands	5.12	4.49	6.54	5.10	5.37	--	6.13	6.13
Pakistan	4.56	5.56	5.60	5.60	5.16	2.25	--	--
Panama	7.11	7.69	5.30	5.64	8.10	--	--	--
Poland	4.62	5.74	--	5.50	--	--	--	6.93
Portugal	4.90	5.21	4.26	3.93	5.08	--	--	--
Singapore	4.94	5.09	--	5.63	--	5.88	5.71	--
South Korea	5.23	4.43	4.26	6.90	5.10	5.23	4.91	5.20
Spain	5.41	5.29	5.00	5.71	5.59	5.50	4.90	5.85
Taiwan	5.13	4.81	6.25	6.07	5.61	--	--	4.05
Thailand	4.62	6.12	--	--	--	--	4.91	--
Turkey	5.23	5.23	3.72	--	4.22	--	5.08	--
United Arab Emirates	5.38	3.99	3.46	--	--	5.59	5.28	--
United Kingdom	5.44	5.13	5.06	5.64	6.85	--	4.91	--
By Truck								
Canada	7.70	9.43	12.81	--	--	--	--	--
Mexico	8.16	9.01	7.99	7.45	8.57	7.98	7.56	7.67
Total LNG Exports	5.29	5.05	4.91	5.78	5.53	5.69	5.61	5.49
CNG								
Canada	7.20	3.78	3.85	--	--	--	--	--
Total CNG Exports	7.20	3.78	3.85	--	--	--	--	--
Total Exports	3.39	3.56	3.66	3.85	3.49	3.24	2.87	2.98

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2018-2020

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

	2020					2019		
	May	April	March	February	January	Total	December	November
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.83	1.77	1.81	1.99	2.25	2.77	2.61	2.84
Mexico	2.04	1.63	1.71	1.90	2.05	2.57	2.39	2.55
Total Pipeline Exports	1.97	1.68	1.74	1.93	2.13	2.64	2.48	2.66
LNG								
Exports								
By Vessel								
Argentina	5.05	--	--	--	--	5.14	--	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	5.80	--	--	--	4.31	5.03	5.03	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	5.46	3.38	2.17	3.68	4.27	4.97	4.17	6.22
Brazil	--	--	5.03	4.32	4.71	5.18	--	6.75
Chile	5.03	4.55	4.78	5.04	5.68	4.68	5.77	5.80
China	5.47	3.87	4.83	--	--	6.20	--	--
Colombia	--	--	--	5.37	5.18	4.06	--	--
Dominican Republic	6.36	4.43	4.67	--	--	4.51	6.08	--
Egypt	--	--	--	--	--	--	--	--
France	5.35	4.96	5.29	5.08	3.61	5.33	5.53	5.76
Greece	5.08	5.08	5.18	--	7.10	5.90	6.36	--
Haiti	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
India	5.45	4.74	3.90	--	5.49	4.97	5.47	7.16
Israel	--	--	5.33	--	--	--	--	--
Italy	5.27	5.34	5.29	4.75	5.98	4.99	4.69	4.99
Jamaica	--	5.08	10.39	5.37	5.71	5.29	6.08	6.22
Japan	5.99	4.98	5.83	5.35	5.96	6.55	6.33	7.31
Jordan	4.80	--	--	--	--	3.99	--	--
Kuwait	--	4.56	--	--	--	4.92	--	--
Lithuania	5.28	2.56	--	--	--	4.50	4.50	--
Malaysia	--	--	--	--	--	5.79	--	5.79
Malta	--	--	--	5.39	5.32	3.76	--	--
Mexico	--	--	4.82	4.88	4.08	4.53	4.37	5.80
Netherlands	5.34	5.17	4.60	4.51	4.87	4.78	5.98	4.79
Pakistan	--	2.56	--	5.40	3.13	5.44	3.92	6.22
Panama	5.54	--	5.31	8.26	--	7.62	--	6.22
Poland	5.32	3.41	2.17	5.40	2.48	5.72	5.88	5.18
Portugal	--	5.14	--	4.84	--	5.16	4.78	--
Singapore	--	--	4.18	--	--	5.25	6.60	--
South Korea	5.31	5.12	4.75	5.37	5.19	4.76	5.94	5.71
Spain	5.31	4.68	5.41	5.33	6.10	5.39	5.39	6.08
Taiwan	5.97	--	5.34	3.65	5.02	5.17	6.60	5.71
Thailand	5.04	4.77	2.44	5.37	--	6.12	--	--
Turkey	6.77	4.72	5.31	5.15	5.31	5.13	5.57	4.78
United Arab Emirates	5.28	--	--	--	--	3.99	--	--
United Kingdom	--	--	4.68	5.34	5.82	5.33	5.50	5.45
By Truck								
Canada	--	--	--	--	7.70	9.35	--	6.84
Mexico	5.85	6.05	8.36	8.93	8.94	9.13	9.43	10.07
Total LNG Exports	5.44	4.67	4.85	5.04	5.40	5.20	5.55	5.84
CNG								
Canada	--	--	--	--	7.20	3.98	6.15	3.54
Total CNG Exports	--	--	--	--	7.20	3.98	6.15	3.54
Total Exports	3.57	3.17	3.27	3.48	3.73	3.64	3.89	4.03

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2018-2020

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

	2019							
	October	September	August	July	June	May	April	March
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.20	2.22	2.15	2.31	2.39	2.55	2.72	3.49
Mexico	2.32	2.46	2.16	2.24	2.24	3.12	2.37	2.77
Total Pipeline Exports	2.28	2.38	2.15	2.26	2.28	2.94	2.49	3.04
LNG								
Exports								
By Vessel								
Argentina	--	--	--	5.24	4.99	5.02	5.51	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	--	--	--	--	--	--	--	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	3.47	5.93	--	--	--	--	--	6.72
Brazil	6.02	5.82	4.83	4.57	4.44	5.79	6.62	3.41
Chile	4.65	5.52	5.80	4.64	4.77	3.07	4.21	3.41
China	--	--	--	--	--	--	--	--
Colombia	--	--	5.67	--	--	--	--	3.41
Dominican Republic	5.51	3.53	--	--	6.27	--	--	--
Egypt	--	--	--	--	--	--	--	--
France	5.67	5.82	5.67	--	--	6.23	4.26	5.24
Greece	--	--	--	--	--	3.97	--	--
Haiti	10.39	10.39	10.39	10.39	10.39	--	10.39	--
India	4.65	5.15	3.98	6.09	5.23	4.11	3.48	3.67
Israel	--	--	--	--	--	--	--	--
Italy	--	5.81	4.31	5.37	3.15	4.40	--	5.20
Jamaica	--	--	5.15	5.05	--	3.07	--	6.52
Japan	6.27	5.58	6.88	6.82	4.30	7.94	6.40	8.00
Jordan	--	5.37	5.24	6.38	3.15	3.07	3.24	--
Kuwait	--	--	5.24	5.60	--	3.94	--	--
Lithuania	--	--	--	--	--	--	--	--
Malaysia	--	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	3.76	--
Mexico	6.18	3.85	3.65	5.03	5.23	3.74	4.67	3.41
Netherlands	6.55	3.21	3.86	3.20	3.15	4.38	4.91	5.30
Pakistan	5.58	5.61	--	6.39	--	--	--	6.64
Panama	--	--	--	--	8.13	--	--	8.13
Poland	6.03	--	5.15	3.17	--	--	7.78	3.41
Portugal	5.54	5.28	4.98	5.75	4.24	--	3.66	--
Singapore	5.58	--	--	5.60	7.75	3.07	6.36	5.86
South Korea	4.98	5.02	5.45	4.81	3.54	3.12	4.74	3.41
Spain	4.86	5.64	4.89	4.81	4.87	5.19	4.80	4.88
Taiwan	3.94	--	5.90	--	--	4.37	4.23	--
Thailand	--	5.81	--	--	--	6.42	--	--
Turkey	3.57	--	--	--	--	--	3.76	--
United Arab Emirates	--	3.22	5.24	5.60	3.32	--	3.24	--
United Kingdom	5.23	4.77	6.20	--	--	--	--	5.15
By Truck								
Canada	10.29	8.21	--	--	--	--	--	--
Mexico	9.41	8.53	8.41	8.67	8.77	8.85	8.92	9.92
Total LNG Exports	5.31	5.28	5.13	5.29	4.57	4.39	4.70	4.84
CNG								
Canada	2.18	1.98	2.18	2.21	2.43	2.49	3.28	5.11
Total CNG Exports	2.18	1.98	2.18	2.21	2.43	2.49	3.28	5.11
Total Exports	3.55	3.56	3.23	3.47	3.18	3.51	3.32	3.68

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2018-2020

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

	2019		Total	December	November	October	September	2018
	February	January						August
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.38	3.89	3.41	4.60	4.36	3.24	2.92	2.95
Mexico	3.03	3.42	3.30	4.24	3.64	3.29	3.00	3.21
Total Pipeline Exports	3.17	3.60	3.34	4.39	3.92	3.28	2.98	3.13
LNG								
Exports								
By Vessel								
Argentina	--	--	6.01	--	--	--	--	6.61
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	--	--	--	--	--	--	--	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	--	--	--	--	--	--	--	--
Brazil	6.64	--	6.05	--	--	--	--	5.79
Chile	4.35	--	4.33	5.63	3.61	--	3.46	--
China	4.97	7.47	4.41	5.63	6.92	3.61	--	3.38
Colombia	--	4.35	4.86	--	--	--	--	6.49
Dominican Republic	3.52	--	3.91	--	--	--	--	3.38
Egypt	--	--	3.27	--	--	--	--	--
France	--	3.94	7.03	7.47	7.02	6.72	--	--
Greece	6.84	--	7.62	7.62	--	--	--	--
Haiti	--	--	--	--	--	--	--	--
India	5.53	6.60	5.02	6.64	--	5.23	4.76	--
Israel	--	--	6.48	--	--	--	--	--
Italy	4.72	6.00	6.46	7.79	--	6.72	4.99	--
Jamaica	--	--	6.92	--	6.92	--	--	--
Japan	7.98	7.37	6.86	8.42	6.34	7.91	7.13	8.25
Jordan	3.52	--	4.10	--	3.80	3.61	--	3.38
Kuwait	--	--	6.67	--	--	--	--	6.49
Lithuania	--	--	--	--	--	--	--	--
Malaysia	--	--	--	--	--	--	--	--
Malta	--	--	6.70	--	--	--	--	--
Mexico	5.06	4.63	4.70	5.04	6.92	5.22	4.40	5.04
Netherlands	3.81	--	6.61	--	6.83	6.72	6.58	--
Pakistan	3.52	--	5.60	--	--	--	--	--
Panama	6.84	--	5.46	5.63	--	--	--	--
Poland	--	7.00	7.12	--	7.12	--	--	--
Portugal	3.97	6.39	5.45	8.79	--	--	3.46	6.94
Singapore	3.52	--	5.63	5.63	--	--	--	--
South Korea	4.12	4.63	4.56	6.75	3.80	4.52	3.86	3.38
Spain	5.05	8.11	4.59	--	3.80	3.46	--	--
Taiwan	--	--	6.51	7.49	--	--	--	--
Thailand	--	--	--	--	--	--	--	--
Turkey	6.64	5.33	5.38	6.64	6.92	3.61	--	--
United Arab Emirates	--	--	3.46	--	--	--	3.46	--
United Kingdom	3.52	5.40	5.77	6.87	5.65	5.13	3.46	--
By Truck								
Canada	8.93	--	12.71	10.29	--	--	8.23	--
Mexico	9.17	9.58	8.52	9.30	9.31	7.30	7.62	9.81
Total LNG Exports	5.06	5.89	5.20	6.84	5.62	4.92	4.78	5.33
CNG								
Canada	7.70	10.05	4.69	11.62	4.40	3.50	2.98	2.89
Total CNG Exports	7.70	10.05	4.69	11.62	4.40	3.50	2.98	2.89
Total Exports	3.76	4.39	3.89	5.22	4.46	3.76	3.47	3.78

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2018-2020

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

	2018						
	July	June	May	April	March	February	January
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.83	2.75	2.63	2.90	2.63	3.16	4.17
Mexico	3.03	3.04	3.09	3.01	3.00	3.41	3.64
Total Pipeline Exports	2.98	2.96	2.99	2.98	2.87	3.31	3.85
LNG							
Exports							
By Vessel							
Argentina	6.91	--	4.59	5.56	6.28	--	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	--	--	--	--	--	--	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	--	--	--	--	--	--	--
Brazil	5.90	--	6.48	6.33	7.46	--	--
Chile	6.77	3.44	--	4.76	3.15	4.34	3.27
China	3.53	6.56	4.31	3.67	4.20	5.93	4.84
Colombia	6.70	3.44	--	3.21	--	--	--
Dominican Republic	--	--	6.80	--	3.15	--	--
Egypt	--	--	--	--	--	--	3.27
France	--	--	--	--	--	--	--
Greece	--	--	--	--	--	--	--
Haiti	--	--	--	--	--	--	--
India	6.83	3.44	3.37	6.33	5.22	--	3.27
Israel	--	--	6.48	--	--	--	--
Italy	--	--	--	--	--	--	--
Jamaica	--	--	--	--	--	--	--
Japan	6.86	6.34	7.11	4.95	--	7.46	3.27
Jordan	--	6.85	3.37	6.63	3.15	4.34	--
Kuwait	--	--	6.76	--	--	--	--
Lithuania	--	--	--	--	--	--	--
Malaysia	--	--	--	--	--	--	--
Malta	6.70	--	--	--	--	--	--
Mexico	4.06	4.58	5.47	3.98	4.32	4.85	4.43
Netherlands	--	--	--	6.33	--	--	--
Pakistan	--	--	6.63	6.33	6.28	--	3.27
Panama	--	--	6.80	--	3.15	--	--
Poland	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	3.27
Singapore	--	--	--	--	--	--	--
South Korea	3.58	3.44	3.84	3.66	3.15	5.85	5.31
Spain	6.70	--	--	--	--	--	--
Taiwan	6.70	6.56	--	--	--	5.89	--
Thailand	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	4.34	3.27
United Arab Emirates	--	--	--	--	--	--	--
United Kingdom	--	--	--	--	5.89	--	--
By Truck							
Canada	--	--	--	7.79	--	13.63	19.21
Mexico	8.80	7.04	7.18	6.40	8.03	8.43	7.49
Total LNG Exports	5.28	4.65	5.03	4.56	4.45	5.62	4.34
CNG							
Canada	2.88	2.63	2.75	4.29	3.48	--	12.47
Total CNG Exports	2.88	2.63	2.75	4.29	3.48	--	12.47
Total Exports	3.72	3.43	3.70	3.46	3.37	3.93	3.97

-- 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://www.energy.gov/fe/services/natural-gas-regulation>) 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, 2015-2020
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
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 Total	3,250,769	694,676	212,458	1,710,643	219,639	2,148,704	49,437	1,323,019	688,600	1,791,359
2018										
January	296,757	51,300	17,104	152,669	17,473	211,528	3,993	117,064	64,383	186,558
February	268,600	46,194	15,646	136,832	15,950	200,391	3,544	109,041	59,004	168,504
March	295,800	50,569	17,207	152,030	17,588	230,399	3,895	121,551	65,768	186,558
April	282,714	50,857	16,605	149,055	17,101	222,905	3,857	123,352	67,296	186,180
May	282,740	51,030	17,238	155,675	17,541	239,409	3,942	126,964	71,777	192,386
June	229,033	48,815	16,709	145,783	16,097	237,437	3,792	126,445	69,003	186,180
July	234,036	49,419	17,230	152,682	17,258	246,166	4,019	133,189	74,479	209,901
August	242,875	49,558	17,178	158,237	16,937	249,177	4,093	135,785	75,712	209,901
September	255,611	47,639	16,697	156,291	16,527	241,210	3,951	131,824	75,796	203,130
October	271,051	49,135	17,181	164,013	16,870	259,915	3,978	138,322	79,628	227,137
November	290,815	47,258	16,696	161,357	16,068	248,007	3,964	134,338	75,723	219,810
December	304,681	48,212	17,125	168,798	15,981	253,375	4,045	143,110	82,248	227,137
Total	3,254,712	589,985	202,617	1,853,423	201,391	2,839,919	47,074	1,540,984	860,817	2,403,382
2019										
January	310,266	47,446	16,800	166,769	16,063	259,623	4,161	142,627	84,087	213,497
February	267,519	42,215	15,513	149,485	14,237	242,606	3,419	132,022	73,584	192,836
March	285,430	46,206	16,922	164,312	15,820	268,119	3,892	149,298	86,921	213,497
April	289,532	44,463	16,548	161,421	15,613	261,358	4,099	148,707	84,810	208,200
May	285,820	44,901	16,754	166,681	14,898	271,046	4,295	157,742	87,276	215,140
June	253,806	42,696	16,254	163,253	15,558	266,291	4,148	149,425	86,610	208,200
July	234,661	43,847	16,890	166,891	15,695	278,730	4,159	155,186	91,339	235,693
August	224,286	43,500	16,969	168,283	15,638	277,340	4,106	165,938	93,503	235,693
September	242,655	41,793	16,262	159,742	15,038	267,192	4,057	163,746	88,517	228,090
October	269,362	43,088	16,228	174,804	15,157	280,028	4,083	163,155	95,540	236,995
November	287,298	41,725	15,659	172,823	14,436	271,304	3,956	157,056	94,335	229,350
December	299,717	42,825	16,024	179,366	14,944	286,637	3,981	167,818	95,383	236,995
Total	3,250,353	524,705	196,823	1,993,828	183,097	3,230,272	48,355	1,852,719	1,061,905	2,654,186
2020										
January	309,597	£42,586	£15,661	£178,274	£13,349	£279,644	£4,002	£170,490	£92,868	£210,045
February	291,392	£39,455	£14,414	£165,764	£13,487	£252,284	£3,692	£164,231	£89,958	£179,594
March	294,531	£41,233	£15,135	£177,840	£14,598	£266,678	£4,009	£175,537	£97,267	£199,544
April	278,310	£40,141	£14,685	£171,471	£13,802	£263,265	£3,480	£164,884	£82,554	£193,938
May	281,728	£41,498	£14,944	£167,088	£13,796	£274,241	£2,924	£156,039	£60,866	£207,596
June	264,810	£39,113	£14,620	£162,136	£13,173	£264,374	£3,006	£157,977	£59,200	£198,554
July	270,103	£40,172	£14,826	£169,040	£13,465	£266,066	£3,514	£169,499	£71,603	£209,347
August	257,269	RE41,148	£13,115	RE168,968	RE13,292	RE258,436	RE3,537	RE174,606	RE81,418	RE207,182
September	269,820	RE39,494	£12,665	RE162,476	RE12,767	RE252,363	RE3,378	RE171,342	RE84,844	RE198,152
October	293,942	£40,996	£12,866	£165,378	£12,678	£260,006	£3,527	£185,912	£89,512	£200,688
2020 10-Month	2,811,502	£405,837	£142,932	£1,688,434	£134,406	£2,637,357	£35,068	£1,690,518	£810,091	£2,004,640
2019 10-Month	2,663,338	440,155	165,140	1,641,640	153,717	2,672,331	40,419	1,527,846	872,187	2,187,841
2018 10-Month	2,659,216	494,515	168,796	1,523,268	169,342	2,338,536	39,065	1,263,536	702,846	1,956,435

See footnotes at end of table.

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2015-2020

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
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 Total	2,513,897	5,453,638	8,079,974	315,211	1,514,278	1,715,732	531,860	1,078,218	33,292,113
2018									
January	232,715	506,627	700,310	25,551	139,078	150,657	43,166	76,246	2,993,178
February	212,572	464,245	652,370	23,229	128,051	134,640	39,562	72,839	2,751,215
March	232,965	512,261	737,554	26,172	142,753	150,489	43,856	81,870	3,069,284
April	231,626	479,217	721,088	25,026	138,895	145,180	41,336	73,817	2,976,108
May	237,362	504,572	760,534	25,404	145,816	147,038	42,680	76,450	3,098,558
June	232,429	496,644	744,832	24,610	138,591	137,975	41,124	77,240	2,972,738
July	243,201	531,811	778,000	25,149	147,210	142,181	42,502	89,808	3,138,242
August	247,283	541,144	801,162	25,045	151,702	142,891	41,919	95,580	3,206,177
September	242,771	537,370	780,673	24,219	151,037	142,420	40,372	86,441	3,153,978
October	256,925	562,502	809,439	24,375	162,154	145,903	41,801	84,347	3,314,676
November	248,111	554,480	791,390	23,416	160,248	139,623	40,490	88,120	3,259,912
December	257,826	573,960	831,822	23,631	166,164	141,900	41,511	89,946	3,391,473
Total	2,875,787	6,264,832	9,109,174	295,826	1,771,698	1,720,897	500,318	992,704	37,325,539
2019									
January	262,662	576,440	829,558	23,200	169,050	130,338	40,363	91,603	3,384,552
February	240,995	519,802	760,539	21,049	154,910	122,593	35,814	78,045	3,067,183
March	265,283	578,820	843,140	23,387	171,516	130,346	39,766	93,518	3,396,193
April	262,767	560,062	825,339	22,794	167,816	128,707	38,661	88,573	3,329,471
May	269,586	571,803	868,788	23,623	171,305	133,657	39,304	89,452	3,432,069
June	259,034	556,708	845,821	22,904	174,784	129,676	38,302	83,553	3,317,023
July	268,965	583,186	887,477	23,091	180,524	118,762	38,694	68,553	3,412,343
August	268,025	585,405	906,973	23,374	181,927	124,777	38,858	92,646	3,467,241
September	265,447	568,646	878,371	22,150	181,343	132,353	37,610	85,631	3,398,645
October	278,887	589,800	917,059	22,494	201,950	135,881	37,852	88,260	3,570,623
November	263,368	597,779	878,332	21,704	196,185	128,747	37,184	85,169	3,496,408
December	269,990	608,342	914,055	22,099	204,446	131,667	37,503	88,918	3,620,708
Total	3,175,008	6,896,792	10,355,453	271,870	2,155,757	1,547,504	459,910	1,033,922	40,892,458
2020									
January	€263,734	€607,697	€921,141	€21,856	€205,973	€129,695	€37,032	€86,292	€3,589,935
February	€243,139	€579,980	€858,766	€20,472	€197,173	€114,080	€34,383	€79,779	€3,342,042
March	€257,387	€616,101	€926,457	€21,805	€207,724	€123,255	€36,145	€86,221	€3,561,468
April	€235,642	€599,921	€860,433	€20,462	€202,046	€118,007	€30,059	€79,010	€3,372,112
May	€217,154	€598,263	€816,636	€19,555	€213,671	€113,117	€34,580	€64,464	€3,298,160
June	€222,324	€569,002	€816,190	€19,317	€215,274	€110,228	€33,696	€61,826	€3,224,821
July	€226,843	€614,943	€853,383	€20,241	€222,115	€114,460	€34,981	€68,578	€3,383,178
August	RE226,344	RE630,016	RE877,821	RE19,713	RE224,409	RE112,459	€33,694	RE44,206	RE3,387,632
September	RE223,193	RE582,190	RE835,759	RE19,060	RE218,495	RE109,708	RE32,366	RE48,365	RE3,276,440
October	€219,782	€616,327	€849,640	€19,425	€225,807	€112,089	€34,549	€37,439	€3,380,565
2020 10-Month YTD	€2,335,544	€6,014,441	€8,616,227	€201,907	€2,132,686	€1,157,097	€341,486	€656,180	€33,816,353
2019 10-Month YTD	2,641,651	5,690,671	8,563,066	228,067	1,755,126	1,287,090	385,223	859,835	33,775,343
2018 10-Month YTD	2,369,850	5,136,392	7,485,962	248,780	1,445,286	1,439,374	418,317	814,638	30,674,155

^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 2020, 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: 2015-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*, Bureau of Safety and Environmental Enforcement (BSEE), IHS Markit, Enverus DrillingInfo, and BENTEK Energy. January 2020 through current month: Form EIA-914, *Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report*; and EIA computations.

Table 7

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2015-2020
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
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 Total	344,385	694,676	212,458	1,706,364	219,639	2,139,830	46,311	1,299,732	593,998	1,791,359
2018										
January	31,077	51,300	17,104	151,921	17,473	210,854	3,771	113,442	54,194	186,558
February	27,725	46,194	15,646	136,374	15,950	199,842	3,324	106,389	51,177	168,504
March	30,900	50,569	17,207	151,448	17,588	229,791	3,658	117,719	57,161	186,558
April	28,908	50,857	16,605	148,547	17,101	222,324	3,612	119,371	56,168	186,180
May	28,831	51,030	17,238	155,243	17,541	238,742	3,545	123,558	58,838	192,386
June	26,045	48,815	16,709	145,345	16,097	236,812	3,405	122,011	56,792	186,180
July	26,116	49,419	17,230	152,156	17,258	245,504	3,721	128,945	60,448	209,901
August	26,127	49,558	17,178	157,737	16,937	248,487	3,735	132,232	61,959	209,901
September	27,050	47,639	16,697	155,842	16,527	240,591	3,669	128,133	61,854	203,130
October	28,202	49,135	17,181	163,524	16,870	259,261	3,705	133,502	62,778	227,137
November	29,407	47,258	16,696	160,923	16,068	247,425	3,667	129,926	59,388	219,810
December	30,927	48,212	17,125	168,341	15,981	252,772	3,717	137,853	65,794	227,137
Total	341,315	589,985	202,617	1,847,402	201,391	2,832,404	43,530	1,493,082	706,552	2,403,382
2019										
January	30,503	47,446	16,800	166,325	16,063	259,035	3,773	137,823	67,939	213,497
February	26,728	42,215	15,513	149,040	14,237	242,105	3,094	128,379	59,030	192,836
March	29,346	46,206	16,922	163,990	15,820	267,517	3,505	144,822	68,666	213,497
April	28,816	44,463	16,548	161,094	15,613	260,790	3,551	142,363	67,998	208,200
May	29,028	44,901	16,754	166,254	14,898	270,459	3,814	154,100	70,250	215,140
June	26,889	42,696	16,254	162,749	15,558	265,731	3,756	142,240	65,418	208,200
July	25,348	43,847	16,890	166,425	15,695	278,216	3,782	148,454	70,026	235,693
August	22,876	43,500	16,969	167,799	15,638	276,770	3,732	157,091	75,259	235,693
September	24,494	41,793	16,262	159,310	15,038	266,661	3,667	156,608	72,447	228,090
October	27,409	43,088	16,228	174,373	15,157	279,489	3,607	156,870	78,045	236,995
November	28,256	41,725	15,659	172,363	14,436	270,787	3,474	153,617	77,478	229,350
December	29,669	42,825	16,024	178,991	14,944	286,082	3,507	164,968	79,195	236,995
Total	329,361	524,705	196,823	1,988,714	183,097	3,223,642	43,263	1,787,334	851,750	2,654,186
2020										
January	30,018	£42,586	£15,661	£177,810	£13,349	£279,056	£3,580	£164,472	£74,489	£210,045
February	28,537	£39,455	£14,414	£165,333	£13,487	£251,755	£3,303	£158,434	£72,155	£179,594
March	29,219	£41,233	£15,135	£177,377	£14,598	£266,118	£3,587	£169,340	£78,018	£199,544
April	27,513	£40,141	£14,685	£171,025	£13,802	£262,712	£3,113	£159,064	£66,217	£193,938
May	27,076	£41,498	£14,944	£166,654	£13,796	£273,665	£2,616	£150,531	£48,821	£207,596
June	25,545	£39,113	£14,620	£161,714	£13,173	£263,819	£2,689	£152,401	£47,485	£198,554
July	26,779	£40,172	£14,826	£168,601	£13,465	£265,507	£3,144	£163,516	£57,433	£209,347
August	26,846	RE41,148	£13,115	RE168,528	RE13,292	RE257,893	RE3,164	RE168,443	RE65,306	RE207,182
September	26,978	RE39,494	£12,665	RE162,054	RE12,767	RE251,833	RE3,023	RE165,294	RE68,053	RE198,152
October	29,080	£40,996	£12,866	£164,948	£12,678	£259,460	£3,156	£179,349	£71,798	£200,688
2020 10-Month	277,593	£405,837	£142,932	£1,684,044	£134,406	£2,631,819	£31,376	£1,630,843	£649,774	£2,004,640
2019 10-Month	271,437	440,155	165,140	1,637,360	153,717	2,666,773	36,282	1,468,750	695,077	2,187,841
2018 10-Month	280,981	494,515	168,796	1,518,138	169,342	2,332,208	36,145	1,225,302	581,370	1,956,435

See footnotes at end of table.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2015-2020

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
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 Total	2,513,897	5,453,638	7,223,841	315,211	1,514,278	1,590,059	517,698	1,060,452	29,237,825
2018									
January	232,715	506,627	617,543	25,551	139,078	142,873	41,814	74,419	2,618,315
February	212,572	464,245	577,886	23,229	128,051	127,574	38,332	71,334	2,414,348
March	232,965	512,261	661,047	26,172	142,753	143,427	42,550	80,445	2,704,217
April	231,626	479,217	636,646	25,026	138,895	138,797	40,253	72,407	2,612,541
May	237,362	504,572	674,031	25,404	145,816	140,083	41,607	74,841	2,730,667
June	232,429	496,644	658,905	24,610	138,591	130,852	39,952	75,759	2,655,954
July	243,201	531,811	674,944	25,149	147,210	136,781	41,173	88,177	2,799,146
August	247,283	541,144	695,283	25,045	151,702	135,953	41,051	94,288	2,855,600
September	242,771	537,370	693,284	24,219	151,037	134,709	39,119	85,177	2,808,817
October	256,925	562,502	710,011	24,375	162,154	138,865	40,442	82,681	2,939,250
November	248,111	554,480	718,347	23,416	160,248	132,977	39,158	86,794	2,894,098
December	257,826	573,960	723,083	23,631	166,164	134,627	40,225	88,539	2,975,914
Total	2,875,787	6,264,832	8,041,010	295,826	1,771,698	1,637,517	485,675	974,863	33,008,867
2019									
January	262,662	576,440	736,511	23,200	169,050	123,341	39,938	90,159	2,980,505
February	240,995	519,802	675,802	21,049	154,910	110,816	35,450	76,741	2,708,742
March	265,283	578,820	756,354	23,387	171,516	122,319	39,386	92,033	3,019,390
April	262,767	560,062	725,217	22,794	167,816	120,098	38,325	87,201	2,933,716
May	269,586	571,803	778,371	23,623	171,305	128,510	38,958	87,724	3,055,477
June	259,034	556,708	764,324	22,904	174,784	121,743	37,916	81,638	2,968,544
July	268,965	583,186	803,273	23,091	180,524	115,230	38,313	66,820	3,083,779
August	268,025	585,405	836,414	23,374	181,927	119,242	38,473	91,215	3,159,401
September	265,447	568,646	785,566	22,150	181,343	124,724	37,254	84,108	3,053,609
October	278,887	589,800	823,698	22,494	201,950	127,708	37,486	86,698	3,199,983
November	263,368	597,779	790,664	21,704	196,185	122,272	36,837	83,634	3,119,588
December	269,990	608,342	825,421	22,099	204,446	124,473	37,106	87,378	3,232,454
Total	3,175,008	6,896,792	9,301,616	271,870	2,155,757	1,460,477	455,443	1,015,349	36,515,188
2020									
January	£263,734	£607,697	£827,368	£21,856	£205,973	£122,406	£36,673	£84,739	£3,181,514
February	£243,139	£579,980	£771,344	£20,472	£197,173	£107,668	£34,050	£78,343	£2,958,634
March	£257,387	£616,101	£832,144	£21,805	£207,724	£116,328	£35,794	£84,669	£3,166,123
April	£235,642	£599,921	£772,841	£20,462	£202,046	£111,375	£29,768	£77,588	£3,001,855
May	£217,154	£598,263	£733,502	£19,555	£213,671	£106,760	£34,244	£63,304	£2,933,650
June	£222,324	£569,002	£733,102	£19,317	£215,274	£104,033	£33,369	£60,713	£2,876,248
July	£226,843	£614,943	£766,509	£20,241	£222,115	£108,027	£34,642	£67,343	£3,023,452
August	RE226,344	RE630,016	RE788,459	RE19,713	RE224,409	RE106,139	£33,367	RE43,410	RE3,036,773
September	RE223,193	RE582,190	RE750,679	RE19,060	RE218,495	RE103,542	RE32,052	RE47,495	RE2,917,020
October	£219,782	£616,327	£763,147	£19,425	£225,807	£105,789	£34,214	£36,765	£2,996,276
2020 10-Month YTD	£2,335,544	£6,014,441	£7,739,095	£201,907	£2,132,686	£1,092,068	£338,173	£644,369	£30,091,546
2019 10-Month YTD	2,641,651	5,690,671	7,685,530	228,067	1,755,126	1,213,732	381,500	844,337	30,163,145
2018 10-Month YTD	2,369,850	5,136,392	6,599,580	248,780	1,445,286	1,369,913	406,292	799,530	27,138,855

E Estimated data.

RE Revised estimated data.

Notes: For 2020 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 2020, 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: 2015-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*, Bureau of Safety and Environmental Enforcement (BSEE), IHS Markit, Enverus DrillingInfo, and BENTEK Energy. January 2020 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, 2015-2020

(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^a	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^b
2015 Total^c	--	--	--	--	--	3,638	3,100	-539
2016 Total^c	--	--	--	--	--	2,977	3,325	348
2017 Total^c	--	--	--	--	--	3,337	3,590	254
2018								
January	4,357	2,141	6,498	-482	-18.4	141	1,037	896
February	4,357	1,673	6,030	-665	-28.4	133	599	467
March	4,353	1,390	5,743	-672	-32.6	164	449	285
April	4,350	1,427	5,777	-864	-37.7	256	224	-32
May	4,352	1,847	6,199	-779	-29.7	489	66	-423
June	4,354	2,195	6,549	-712	-24.5	436	88	-349
July	4,354	2,381	6,736	-673	-22.0	362	175	-186
August	4,355	2,617	6,972	-633	-19.5	407	172	-235
September	4,356	2,950	7,306	-617	-17.3	464	130	-334
October	4,357	3,236	7,593	-580	-15.2	422	131	-291
November	4,356	3,030	7,386	-679	-18.3	213	418	205
December	4,361	2,708	7,069	-324	-10.7	191	511	320
Total	--	--	--	--	--	3,676	3,999	324
2019								
January	4,366	1,994	6,360	-147	-6.8	95	804	709
February	4,366	1,426	5,792	-246	-14.7	104	672	568
March	4,361	1,185	5,545	-205	-14.8	190	435	245
April	4,367	1,559	5,927	133	9.3	486	104	-382
May	4,372	2,031	6,403	184	9.9	557	85	-472
June	4,375	2,461	6,835	266	12.1	523	92	-431
July	4,374	2,714	7,089	333	14.0	416	162	-254
August	4,377	2,998	7,374	381	14.6	453	168	-286
September	4,378	3,415	7,793	465	15.7	529	109	-419
October	4,379	3,762	8,141	526	16.2	461	116	-346
November	4,380	3,610	7,990	580	19.1	201	351	150
December	4,380	3,188	7,568	480	17.7	138	556	418
Total	--	--	--	--	--	4,153	3,653	-500
2020								
January	4,380	2,616	6,997	622	31.2	94	665	571
February	4,379	2,081	6,460	655	45.9	99	634	535
March	4,379	2,030	6,409	845	71.3	236	285	49
April	4,384	2,333	6,717	773	49.6	437	131	-306
May	4,387	2,778	7,165	747	36.8	522	74	-448
June	4,389	3,133	7,523	672	27.3	443	85	-358
July	4,390	3,294	7,684	579	21.3	312	151	-161
August	^R 4,390	3,522	^R 7,912	524	17.5	401	174	^R -227
September	4,389	3,840	8,229	425	12.4	450	126	-323
October	4,393	3,929	8,321	166	4.4	283	191	-92

^a Total underground storage capacity at the end of each calendar year (in billion cubic feet): 2015- 9,231; 2016 – 9,239; 2017 – 9,261; 2018 – 9,241; and 2019 – 9,231. 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.

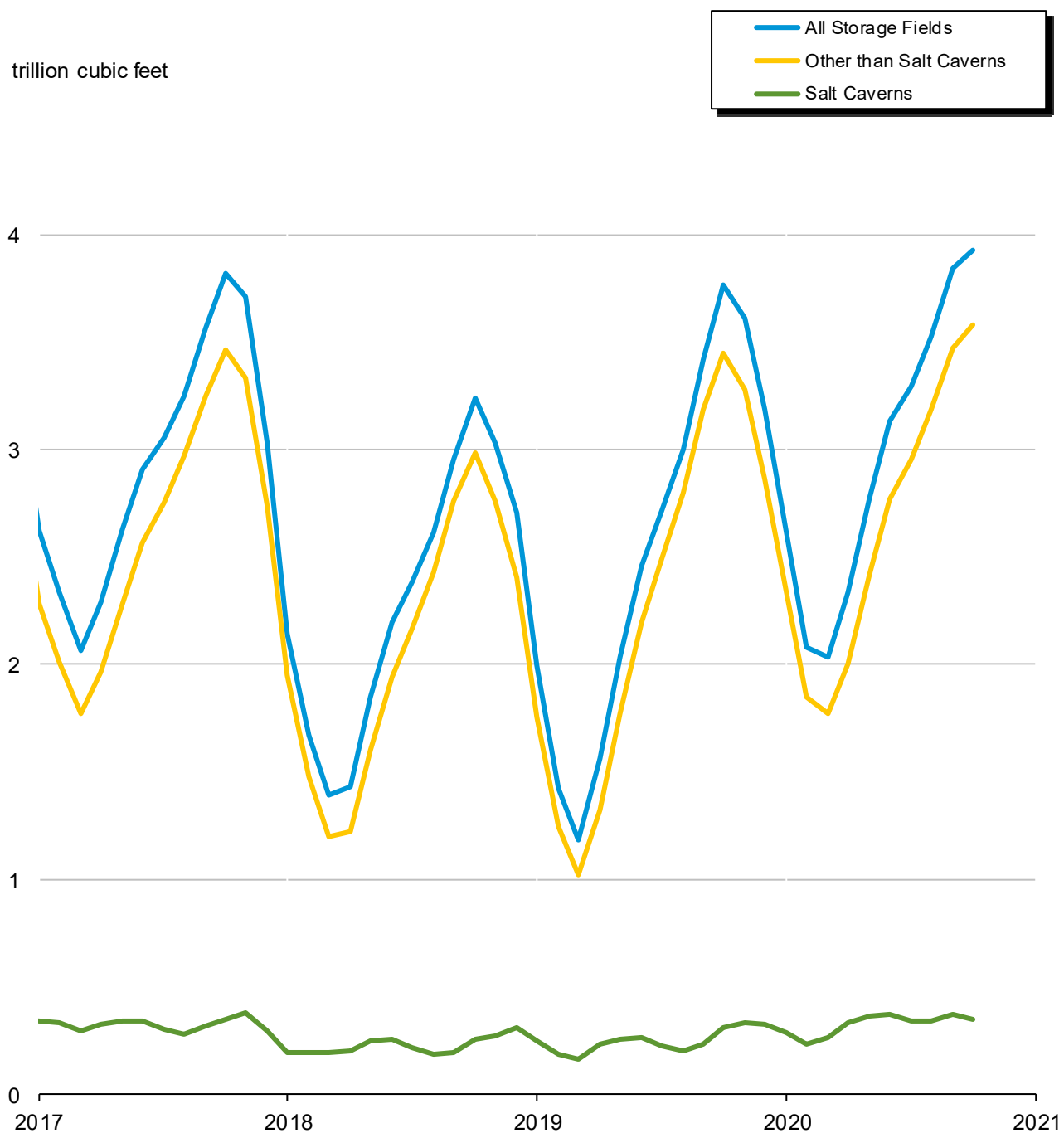
-- Not applicable.

Notes: Data for 2015 through 2018 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, 2017-2020

Figure 5



Note: Geographic coverage is the 50 states and the District of Columbia.

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

Table 9. Underground natural gas storage – by season, 2018-2020

(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
2018 Refill Season								
April	4,350	1,427	5,777	-864	-37.7	256	224	-32
May	4,352	1,847	6,199	-779	-29.7	489	66	-423
June	4,354	2,195	6,549	-712	-24.5	436	88	-349
July	4,354	2,381	6,736	-673	-22.0	362	175	-186
August	4,355	2,617	6,972	-633	-19.5	407	172	-235
September	4,356	2,950	7,306	-617	-17.3	464	130	-334
October	4,357	3,236	7,593	-580	-15.2	422	131	-291
Total	--	--	--	--	--	2,835	985	-1,850
2019 Heating Season								
November	4,356	3,030	7,386	-679	-18.3	213	418	205
December	4,361	2,708	7,069	-324	-10.7	191	511	320
January	4,366	1,994	6,360	-147	-6.8	95	804	709
February	4,366	1,426	5,792	-246	-14.7	104	672	568
March	4,361	1,185	5,545	-205	-14.8	190	435	245
Total	--	--	--	--	--	793	2,840	2,047
2019 Refill Season								
April	4,367	1,559	5,927	133	9.3	486	104	-382
May	4,372	2,031	6,403	184	9.9	557	85	-472
June	4,375	2,461	6,835	266	12.1	523	92	-431
July	4,374	2,714	7,089	333	14.0	416	162	-254
August	4,377	2,998	7,374	381	14.6	453	168	-286
September	4,378	3,415	7,793	465	15.7	529	109	-419
October	4,379	3,762	8,141	526	16.2	461	116	-346
Total	--	--	--	--	--	3,424	834	-2,590
2020 Heating Season								
November	4,380	3,610	7,990	580	19.1	201	351	150
December	4,380	3,188	7,568	480	17.7	138	556	418
January	4,380	2,616	6,997	622	31.2	94	665	571
February	4,379	2,081	6,460	655	45.9	99	634	535
March	4,379	2,030	6,409	845	71.3	236	285	49
Total	--	--	--	--	--	769	2,492	1,723
2020 Refill Season								
April	4,384	2,333	6,717	773	49.6	437	131	-306
May	4,387	2,778	7,165	747	36.8	522	74	-448
June	4,389	3,133	7,523	672	27.3	443	85	-358
July	4,390	3,294	7,684	579	21.3	312	151	-161
August	^R 4,390	3,522	^R 7,912	524	17.5	401	174	^R -227
September	4,389	3,840	8,229	425	12.4	450	126	-323
October	4,393	3,929	8,321	166	4.4	283	191	-92
Total	--	--	--	--	--	2,848	931	-1,917

^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 2018 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, 2015-2020
(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
2015 Total^b	--	--	--	--	--	606	550	-56
2016 Total^b	--	--	--	--	--	593	624	32
2017 Total^b	--	--	--	--	--	701	752	50
2018								
January	195	192	387	-146	-43.1	84	189	106
February	196	196	392	-132	-40.3	60	55	-5
March	194	192	386	-100	-34.1	57	61	4
April	194	202	397	-124	-37.9	63	54	-8
May	195	249	444	-94	-27.4	79	31	-47
June	195	255	451	-84	-24.8	49	44	-6
July	196	214	409	-90	-29.7	35	77	41
August	196	187	383	-92	-33.0	45	71	27
September	196	190	386	-128	-40.2	65	62	-4
October	195	254	449	-96	-27.5	106	45	-61
November	195	270	465	-109	-28.7	81	65	-16
December	196	305	500	8	2.7	88	54	-34
Total	--	--	--	--	--	811	808	-4
2019								
January	196	243	439	51	26.5	45	108	62
February	195	183	377	-13	-6.6	42	104	62
March	193	164	357	-28	-14.5	68	87	19
April	197	234	431	32	15.7	109	36	-73
May	198	258	456	9	3.8	75	51	-25
June	199	262	461	7	2.8	60	55	-4
July	198	227	425	13	6.3	51	86	35
August	199	200	399	13	7.1	52	78	26
September	199	232	431	42	22.1	78	46	-31
October	199	310	509	55	21.8	119	42	-77
November	199	328	527	58	21.4	77	59	-19
December	199	327	526	22	7.3	62	62	1
Total	--	--	--	--	--	839	815	-24
2020								
January	199	283	482	40	16.4	42	87	44
February	199	231	430	48	26.5	38	90	52
March	200	263	463	99	60.0	75	41	-34
April	202	333	535	99	42.3	102	31	-70
May	202	359	562	101	39.2	65	38	-26
June	202	368	570	105	40.2	54	45	-8
July	202	339	542	112	49.5	37	66	29
August	202	339	541	138	69.1	55	56	1
September	202	370	572	138	59.4	81	48	-33
October	201	351	553	41	13.4	54	73	19
2020 10-Month YTD	--	--	--	--	--	602	575	-27
2019 10-Month YTD	--	--	--	--	--	700	694	-6
2018 10-Month YTD	--	--	--	--	--	642	688	46

^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 2015 through 2018 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, 2015-2020
(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
2015 Total^b	--	--	--	--	--	3,032	2,549	-482
2016 Total^b	--	--	--	--	--	2,384	2,700	316
2017 Total^b	--	--	--	--	--	2,635	2,839	203
2018								
January	4,162	1,948	6,110	-336	-14.7	57	848	791
February	4,161	1,477	5,638	-533	-26.5	73	544	471
March	4,159	1,198	5,357	-573	-32.3	107	388	282
April	4,156	1,224	5,381	-741	-37.7	193	170	-23
May	4,157	1,599	5,755	-685	-30.0	410	35	-376
June	4,158	1,940	6,099	-627	-24.4	387	44	-343
July	4,159	2,168	6,326	-583	-21.2	326	99	-228
August	4,159	2,430	6,588	-541	-18.2	363	101	-262
September	4,160	2,760	6,920	-489	-15.1	398	68	-330
October	4,162	2,982	7,144	-484	-14.0	316	86	-229
November	4,161	2,760	6,921	-571	-17.1	132	353	221
December	4,165	2,404	6,568	-332	-12.1	102	457	354
Total	--	--	--	--	--	2,864	3,192	327
2019								
January	4,170	1,751	5,921	-198	-10.1	50	696	646
February	4,171	1,244	5,415	-233	-15.8	62	568	506
March	4,167	1,021	5,188	-178	-14.8	122	348	226
April	4,171	1,325	5,496	101	8.2	376	67	-309
May	4,174	1,773	5,947	174	10.9	481	34	-447
June	4,176	2,199	6,375	258	13.3	463	37	-427
July	4,176	2,487	6,663	319	14.7	364	75	-289
August	4,178	2,798	6,975	368	15.1	402	90	-312
September	4,179	3,183	7,362	423	15.3	451	63	-388
October	4,180	3,452	7,632	470	15.8	342	74	-269
November	4,181	3,282	7,463	522	18.9	124	292	168
December	4,181	2,861	7,042	458	19.0	76	494	418
Total	--	--	--	--	--	3,314	2,838	-476
2020								
January	4,181	2,333	6,515	583	33.3	52	578	526
February	4,180	1,850	6,030	606	48.8	61	545	483
March	4,179	1,767	5,946	746	73.1	161	245	84
April	4,182	1,999	6,181	674	50.9	335	99	-236
May	4,184	2,419	6,603	646	36.4	457	36	-422
June	4,187	2,765	6,952	567	25.8	389	39	-349
July	4,188	2,954	7,142	467	18.8	275	85	-190
August	^R 4,187	3,184	^R 7,371	386	13.8	^R 346	118	-229
September	4,187	3,470	7,657	287	9.0	369	78	-290
October	4,191	3,577	7,769	125	3.6	229	118	-112
2020 10-Month YTD	--	--	--	--	--	2,676	1,941	-734
2019 10-Month YTD	--	--	--	--	--	3,114	2,051	-1,062
2018 10-Month YTD	--	--	--	--	--	2,630	2,382	-248

^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 2015 through 2018 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, 2018-2020
(million cubic feet)

State	2020							
	October	September	August	July	June	May	April	March
Alabama	1,436	-3,260	656	185	-112	-669	-4,401	-1,483
Alaska ^a	-219	-1,734	-2,331	-1,752	-1,325	-1,049	421	2,313
Arkansas	-162	-599	-1,102	-914	-823	-715	-307	853
California	-4,004	-10,674	5,352	-2,993	-24,699	-37,280	-22,091	-3,906
Colorado	3,066	-6,359	-5,458	-5,209	-7,293	-5,942	-2,235	2,258
Illinois	-38,409	-40,475	-40,365	-29,436	-28,451	-18,009	7,597	34,667
Indiana	-2,910	-3,960	-2,695	-2,071	-2,056	-1,146	97	1,494
Iowa	-13,421	-14,935	-11,918	-1,925	-5,646	-5,357	233	5,299
Kansas	4,761	-12,894	-4,208	-4,248	-12,961	-15,574	-11,701	6,016
Kentucky	-822	-7,890	-3,185	-805	-737	-13,240	-14,070	1,268
Louisiana	5,951	-21,814	-15,845	5,790	-23,311	-33,607	-50,797	-26,675
Maryland	-623	-1,600	-1,761	-777	-1,845	-868	3,082	789
Michigan	-5,190	-50,877	R-49,165	R-45,869	-70,214	-79,406	-46,163	27,045
Minnesota	-228	-203	-236	-221	-17	6	14	164
Mississippi	3,455	-11,991	-3,381	10,563	-3,526	-8,364	-19,413	-24,955
Missouri	365	-29	-53	-30	-155	-32	867	-28
Montana	-1,911	-4,844	-4,116	-5,136	-6,194	-5,667	-2,311	1,101
Nebraska	-644	-1,093	634	-711	-2,341	-2,232	-1,101	591
New Mexico	-1,665	-1,008	-1,183	-1,374	-1,626	-721	-2,284	-1,466
New York	-8,027	-9,947	-8,078	-3,460	-6,309	-13,599	-6,240	1,299
Ohio	-15,732	-21,735	-23,566	-23,579	-26,693	-26,555	-5,329	22,278
Oklahoma	949	-14,440	-7,967	-8,719	-15,991	-21,149	-14,811	-6,319
Oregon	648	128	-843	-920	-3,919	-4,996	-105	1,474
Pennsylvania	-21,162	-35,932	-26,992	-15,408	-38,467	-60,384	-8,892	26,065
Tennessee	-50	0	-69	-35	-32	-43	*	28
Texas	13,464	-18,300	8,451	11,730	-24,368	-38,554	-65,511	-30,105
Utah	-697	-3,821	-4,518	-7,983	-8,599	-9,108	-4,799	2,405
Virginia	-113	-59	-273	-107	-808	45	288	412
Washington	2,020	-1,275	-299	693	-2,712	-6,967	-4,459	1,049
West Virginia	-8,676	-18,786	-23,060	-23,394	-28,495	-26,222	-26,952	2,249
Wyoming	-3,846	-3,015	78	-3,048	-8,224	-10,598	-4,839	2,955
Regions								
East Region	-54,334	-88,058	-83,729	-66,726	-102,618	-127,585	-44,042	53,092
South Central Region	29,853	-83,297	-23,397	14,386	-81,092	-118,633	-166,941	-82,667
Midwest Region	-60,665	-118,369	R-107,687	R-80,391	-107,308	-117,228	-51,424	69,936
Mountain Region	-5,697	-20,140	-14,562	-23,461	-34,276	-34,268	-17,569	7,843
Pacific Region	-1,335	-11,821	4,210	-3,220	-31,330	-49,243	-26,656	-1,383
Total Lower 48 States	-92,178	-321,686	R-225,164	R-159,412	-356,624	-446,957	-306,632	46,821
U.S. Total	-92,397	-323,420	R-227,495	R-161,165	-357,949	-448,006	-306,210	49,134

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2018-2020

(million cubic feet) – continued

State	2020		Total	December	November	October	September	2019
	February	January						August
Alabama	3,469	437	-4,680	-1,295	-3,103	-3,437	-1,058	1,779
Alaska ^a	2,415	4,497	4,432	2,439	1,272	193	-843	-1,320
Arkansas	1,273	935	-70	861	578	-231	-583	-886
California	-1,238	30,582	-28,135	35,944	12,544	-1,316	-13,476	-6,262
Colorado	9,496	8,787	-8,796	5,859	-549	36	-6,314	-8,948
Illinois	55,297	52,539	-17,252	40,690	2,466	-39,931	-39,814	-34,114
Indiana	5,572	5,021	-2,817	2,562	-674	-2,665	-3,454	-4,377
Iowa	8,457	14,066	-1,067	17,729	10,941	-15,128	-18,004	-14,316
Kansas	21,799	19,934	-15,186	6,480	2,754	3,567	-10,591	-11,621
Kentucky	10,761	6,998	-16,890	9,942	5,765	-4,815	-9,197	-8,989
Louisiana	52,915	49,883	-97,581	19,539	3,691	-44,922	-37,776	-10,645
Maryland	836	1,610	1,515	1,369	-1,145	-2,900	-429	-247
Michigan	95,262	88,190	-74,588	72,853	54,381	-50,509	-86,378	-76,948
Minnesota	512	216	75	70	-52	-270	-288	-273
Mississippi	21,589	14,543	-12,218	1,340	-4,722	-27,125	-6,496	-2,273
Missouri	20	292	444	74	-86	-307	7	7
Montana	5,335	6,092	402	4,893	2,538	864	-3,961	-3,624
Nebraska	1,976	2,242	-1,366	1,296	310	275	-1,028	-1,218
New Mexico	4,273	1,221	-11,780	1,790	1,682	-2,024	-2,162	-938
New York	15,319	17,449	-15,314	13,325	176	-14,260	-17,487	-13,493
Ohio	37,230	37,188	-15,342	27,435	11,806	-18,142	-24,910	-28,593
Oklahoma	27,662	30,914	-10,971	21,675	9,235	-10,247	-12,135	-6,377
Oregon	4,346	1,760	-1,844	958	-1,987	17	-1,508	418
Pennsylvania	63,825	63,541	-57,975	42,184	13,862	-34,039	-56,268	-44,933
Tennessee	68	51	-179	12	9	0	0	-95
Texas	27,121	42,711	-79,335	34,819	2,360	-59,099	-31,098	22,555
Utah	9,643	9,085	-4,277	10,361	2,648	-2,353	-6,667	-4,869
Virginia	594	473	-38	13	-59	-13	-632	-10
Washington	7,727	2,679	-459	758	-812	3,069	-2,826	1,168
West Virginia	36,954	51,885	-18,213	37,597	21,547	-17,448	-21,341	-26,666
Wyoming	4,961	4,776	-10,216	4,901	2,305	-2,593	-2,433	459
Regions								
East Region	154,758	172,146	-105,366	121,922	46,186	-86,802	-121,067	-113,942
South Central Region	155,827	159,358	-220,041	83,417	10,792	-141,494	-99,737	-7,468
Midwest Region	175,950	167,372	-112,275	143,932	72,749	-113,626	-157,129	-139,105
Mountain Region	35,684	32,202	-36,032	29,099	8,933	-5,794	-22,565	-19,137
Pacific Region	10,835	35,021	-30,438	37,660	9,745	1,770	-17,809	-4,676
Total Lower 48 States	533,054	566,098	-504,151	416,031	148,406	-345,947	-418,306	-284,327
U.S. Total	535,469	570,595	-499,719	418,470	149,678	-345,754	-419,150	-285,647

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2018-2020

(million cubic feet) – continued

State	2019							2018
	July	June	May	April	March	February	January	Total
Alabama	1,992	119	-1,047	-4,541	1,480	3,277	1,154	2,660
Alaska ^a	-1,508	-1,526	-1,169	-145	1,222	2,658	3,160	-896
Arkansas	-798	-768	-903	-312	696	1,094	1,185	-654
California	-11,473	-39,458	-45,527	-39,081	-1,442	50,783	30,628	52,175
Colorado	-5,274	-9,284	-2,673	-482	1,062	7,360	10,411	5,422
Illinois	-21,798	-31,465	-29,250	-2,460	21,726	44,951	71,746	-3,407
Indiana	-2,746	-2,270	-2,093	-99	2,798	3,994	6,207	-279
Iowa	-2,823	-3,932	-4,426	-332	2,664	8,451	18,111	2,874
Kansas	-12,415	-15,807	-17,835	-13,773	7,971	22,056	24,030	-796
Kentucky	-8,250	-9,025	-11,913	-15,484	4,786	11,343	18,947	10,209
Louisiana	-18,409	-39,117	-42,654	-56,512	17,530	50,759	60,935	58,314
Maryland	-1,498	-395	-1,647	-1,044	3,480	2,834	3,137	-2,128
Michigan	-81,089	-93,949	-86,826	-45,883	65,710	115,237	138,813	43,376
Minnesota	-192	-23	6	59	277	250	512	-274
Mississippi	9,277	790	-6,327	-24,390	6,673	14,485	26,551	7,009
Missouri	8	8	8	-201	-410	11	1,325	-816
Montana	-3,787	-4,224	-2,731	-1,857	1,364	6,273	4,655	7,240
Nebraska	-1,188	-2,241	-1,551	-604	304	2,061	2,218	464
New Mexico	-2,974	-2,008	-3,961	-2,805	-148	727	1,041	9,745
New York	-3,597	-7,902	-5,889	-7,371	7,677	14,552	18,955	14,193
Ohio	-23,011	-25,172	-22,804	-9,978	25,100	34,073	38,856	4,840
Oklahoma	-15,795	-18,719	-24,181	-16,486	8,971	25,251	27,838	11,813
Oregon	-2,991	-3,170	-2,302	-750	15	4,007	5,447	-955
Pennsylvania	-22,994	-53,396	-55,605	-33,670	41,514	65,257	80,114	17,829
Tennessee	-49	-45	-82	-37	24	6	78	-35
Texas	11,375	-18,342	-38,598	-64,861	1,132	18,399	42,024	59,567
Utah	-7,263	-7,794	-7,668	-4,492	5,387	8,384	10,048	7,760
Virginia	275	-585	234	-603	419	-55	979	-973
Washington	975	-1,299	-6,802	-3,896	-2,335	5,868	5,673	-802
West Virginia	-22,905	-31,677	-38,734	-27,036	18,400	39,896	50,155	17,127
Wyoming	-3,169	-8,583	-6,945	-2,941	1,199	3,903	3,680	2,911
Regions								
East Region	-73,729	-119,128	-124,445	-79,702	96,588	156,555	192,196	50,888
South Central Region	-24,774	-91,845	-131,547	-180,876	44,452	135,322	183,717	137,912
Midwest Region	-116,940	-140,701	-134,577	-64,436	97,575	184,242	255,741	51,647
Mountain Region	-23,655	-34,133	-25,528	-13,181	9,168	28,709	32,052	33,542
Pacific Region	-13,489	-43,928	-54,630	-43,727	-3,761	60,659	41,748	50,417
Total Lower 48 States	-252,586	-429,734	-470,728	-381,922	244,022	565,487	705,454	324,407
U.S. Total	-254,094	-431,260	-471,898	-382,067	245,243	568,145	708,614	323,511

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2018-2020

(million cubic feet) – continued

State								2018
	December	November	October	September	August	July	June	May
Alabama	-4,038	-553	-3,424	3,736	3,070	2,879	1,165	-3,590
Alaska ^a	1,678	376	-743	-1,536	-1,795	-1,862	-1,749	-856
Arkansas	763	779	-345	-522	-931	-793	-838	-917
California	33,067	11,111	-365	-12,150	290	8,376	-18,473	-29,083
Colorado	9,020	1,471	-2,840	-4,713	-5,997	-2,338	-6,154	-6,557
Illinois	44,338	5,019	-43,390	-42,720	-34,744	-28,754	-29,674	-20,286
Indiana	3,094	497	-2,417	-3,720	-4,155	-2,826	-3,023	-1,240
Iowa	18,169	8,860	-19,964	-19,504	-15,538	-1,673	-1,593	-2,828
Kansas	14,219	6,918	-8,986	-13,872	-13,675	-12,141	-12,300	-12,254
Kentucky	6,435	5,196	-4,344	-9,599	-4,460	-2,846	-5,514	-10,612
Louisiana	10,719	22,799	-24,437	-20,246	-4,409	7,158	-17,984	-42,625
Maryland	-346	288	-1,099	-652	-2,598	-2,904	-3,246	-1,661
Michigan	58,969	44,138	-54,740	-65,317	-74,298	-76,375	-75,997	-75,307
Minnesota	22	10	-196	-279	-269	-221	-162	6
Mississippi	-13,517	825	-18,359	9,728	11,902	13,724	-1,213	-15,259
Missouri	-118	-124	-330	-244	25	24	25	-345
Montana	3,051	3,536	2,479	-2,451	-4,466	-4,171	-4,023	-4,084
Nebraska	1,209	327	64	-1,400	-839	-633	-887	-2,061
New Mexico	-302	-1,194	-2,223	-488	1,475	3,751	93	-818
New York	10,444	7,608	-4,921	-14,541	-9,405	-6,908	-8,007	-12,164
Ohio	21,319	18,578	-7,023	-22,743	-25,825	-25,872	-25,869	-26,345
Oklahoma	11,329	6,616	-14,498	-10,303	-13,480	-5,348	-13,098	-17,878
Oregon	3,090	-454	-725	-2,316	431	-1,178	-2,824	-2,644
Pennsylvania	35,891	25,911	-30,599	-54,224	-28,602	-39,628	-46,334	-50,138
Tennessee	138	59	23	2	-58	-82	-75	-96
Texas	15,521	-3,988	-35,252	-12,209	28,909	26,156	-22,377	-37,196
Utah	7,577	6,999	-2,699	-5,992	-3,631	-4,035	-6,954	-8,576
Virginia	-186	457	-1,094	-176	214	74	-77	-607
Washington	1,698	1,393	53	-2,437	-2,448	1,854	-5,671	-4,561
West Virginia	23,533	27,577	-7,429	-22,336	-28,124	-29,175	-33,562	-28,088
Wyoming	3,553	3,845	-702	-841	-1,932	-612	-2,156	-4,390
Regions								
East Region	90,655	80,420	-52,163	-114,671	-94,340	-104,413	-117,095	-119,003
South Central Region	34,995	33,396	-105,301	-43,688	11,385	31,635	-66,645	-129,720
Midwest Region	131,047	63,655	-125,358	-141,382	-133,497	-112,753	-116,013	-110,707
Mountain Region	24,109	14,985	-5,921	-15,884	-15,390	-8,038	-20,081	-26,486
Pacific Region	37,856	12,049	-1,037	-16,903	-1,727	9,052	-26,969	-36,288
Total Lower 48 States	318,661	204,505	-289,780	-332,528	-233,570	-184,516	-346,803	-422,203
U.S. Total	320,339	204,881	-290,522	-334,064	-235,365	-186,378	-348,552	-423,060

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2018-2020

(million cubic feet) – continued

State	2018			
	April	March	February	January
Alabama	-2,801	-2,192	885	7,522
Alaska ^a	25	1,020	1,988	2,559
Arkansas	-193	776	616	951
California	-18,639	10,696	25,368	41,978
Colorado	127	4,370	9,346	9,686
Illinois	7,769	31,354	43,006	64,676
Indiana	542	3,497	4,115	5,357
Iowa	1,387	6,081	9,545	19,932
Kansas	-1,471	9,818	19,645	23,304
Kentucky	3,827	312	8,578	23,235
Louisiana	7,969	7,193	16,429	95,750
Maryland	654	1,983	2,961	4,492
Michigan	15,716	77,908	107,038	161,641
Minnesota	112	175	290	238
Mississippi	-3,445	-2,922	-12,144	37,691
Missouri	321	98	-133	-15
Montana	-591	4,348	6,469	7,142
Nebraska	-472	1	1,856	3,298
New Mexico	-258	1,785	3,846	4,077
New York	-952	14,822	15,424	22,793
Ohio	4,379	27,353	24,424	42,463
Oklahoma	-6,196	5,470	31,221	37,977
Oregon	29	-261	2,704	3,193
Pennsylvania	858	60,784	53,807	90,102
Tennessee	-44	-30	25	104
Texas	-28,408	-15,080	36,356	107,134
Utah	-1,893	3,257	9,335	14,371
Virginia	-627	1,485	-193	-243
Washington	-2,546	2,206	6,762	2,896
West Virginia	-6,014	28,590	33,907	58,248
Wyoming	-936	136	3,444	3,503
Regions				
East Region	-1,702	135,016	130,329	217,855
South Central Region	-34,545	3,063	93,007	310,329
Midwest Region	29,630	119,395	172,464	275,168
Mountain Region	-4,022	13,898	34,295	42,077
Pacific Region	-21,156	12,640	34,834	48,067
Total Lower 48 States	-31,796	284,013	464,929	893,495
U.S. Total	-31,771	285,033	466,917	896,054

^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, October 2020
(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	25,085	35,535	8,141	48.0	1,401	2,836
Alaska ^a	5	83,592	67,915	14,197	31,393	45,590	-4,946	-13.6	683	463
Arkansas	2	21,972	8,894	13,078	4,856	17,934	-77	-1.6	320	159
California	14	604,048	373,966	230,115	280,628	510,743	22,467	8.7	12,335	8,331
Colorado	10	141,407	72,754	61,093	55,535	116,628	3,409	6.5	4,162	7,227
Illinois	28	1,014,131	303,613	712,372	256,428	968,800	1,541	0.6	39,101	692
Indiana	23	112,909	32,311	80,598	27,703	108,301	199	0.7	2,935	25
Iowa	4	288,210	90,313	197,881	74,681	272,563	-3,523	-4.5	14,561	1,140
Kansas	16	282,986	122,982	163,805	101,091	264,896	-84	-0.1	7,255	12,015
Kentucky	22	221,695	107,596	112,766	101,467	214,234	6,011	6.3	4,935	4,112
Louisiana	19	746,923	450,792	289,056	392,916	681,972	23,395	6.3	34,164	40,114
Maryland	1	64,000	18,300	45,677	15,297	60,974	935	6.5	1,178	555
Michigan	44	1,071,608	683,820	386,911	648,034	1,034,946	7,379	1.2	20,767	15,577
Minnesota	1	7,000	2,000	4,848	2,032	6,880	-23	-1.1	228	0
Mississippi	11	331,198	202,048	121,373	141,948	263,321	24,246	20.6	12,706	16,161
Missouri	1	13,845	3,656	10,189	1,483	11,672	-1,206	-44.8	143	508
Montana	4	376,225	197,477	181,209	31,754	212,963	8,563	36.9	3,309	1,398
Nebraska	1	34,850	12,653	22,197	11,980	34,177	1,313	12.3	988	345
New Mexico	2	89,100	59,738	29,362	41,022	70,384	2,364	6.1	2,157	491
New York	26	245,779	127,487	114,592	114,646	229,238	8,195	7.7	8,912	884
Ohio	24	575,109	253,750	326,366	191,034	517,399	2,244	1.2	16,876	1,144
Oklahoma	12	372,268	195,582	173,672	162,264	335,937	-457	-0.3	12,060	13,009
Oregon	8	34,929	20,020	14,909	17,644	32,553	3,375	23.7	591	1,239
Pennsylvania	49	763,296	427,601	336,160	389,041	725,201	-2,918	-0.7	30,237	9,075
Tennessee	2	2,400	1,800	878	1,372	2,249	-119	-8.0	50	0
Texas	35	847,640	544,665	297,730	452,810	750,540	34,005	8.1	30,732	44,195
Utah	3	124,509	54,942	69,508	52,471	121,979	5,361	11.4	2,654	1,957
Virginia	2	8,960	4,930	4,030	4,507	8,537	-334	-6.9	525	411
Washington	1	46,900	24,600	22,300	21,514	43,814	1,603	8.1	1,402	3,422
West Virginia	31	531,706	268,803	264,869	229,201	494,070	3,223	1.4	11,420	2,744
Wyoming	9	155,995	74,297	80,658	46,667	127,325	12,179	35.3	4,336	490
Regions										
East Region	133	2,188,849	1,100,871	1,091,694	943,726	2,035,420	11,345	1.2	69,148	14,814
South Central Region	97	2,646,587	1,558,113	1,069,164	1,280,971	2,350,135	89,170	7.5	98,637	128,490
Midwest Region	125	2,731,798	1,225,108	1,506,443	1,113,200	2,619,644	10,258	0.9	82,720	22,056
Mountain Region	29	922,086	471,861	444,028	239,428	683,456	33,189	16.1	17,605	11,908
Pacific Region	23	685,877	418,586	267,324	319,786	587,110	27,445	9.4	14,328	12,992
Total Lower 48 States	407	9,175,197	4,774,539	4,378,653	3,897,111	8,275,764	171,407	4.6	282,437	190,259
U.S. Total	412	9,258,790	4,842,454	4,392,850	3,928,504	8,321,354	166,460	4.4	283,120	190,723

^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, 2018-2020
(million cubic feet)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	2020				
				October	September	August	July	June
Alabama	20,335	22,746	24,442	1,088	696	687	713	817
Alaska	15,733	13,287	13,899	1,675	886	548	498	611
Arizona	31,986	33,144	26,169	1,670	1,252	1,139	1,328	1,559
Arkansas	22,786	24,024	25,207	1,159	628	518	683	664
California	NA	359,714	322,389	23,145	19,004	19,821	22,572	22,897
Colorado	96,128	102,749	89,338	10,233	4,247	2,892	2,804	3,466
Connecticut	NA	37,596	39,063	NA	1,148	1,047	1,213	1,596
Delaware	NA	8,391	8,835	338	201	NA	189	238
District of Columbia	7,850	8,333	9,409	351	262	254	260	304
Florida	NA	13,423	13,906	NA	NA	918	936	NA
Georgia	86,356	89,869	94,508	5,501	4,335	4,023	3,949	4,296
Hawaii	505	488	494	48	46	50	51	50
Idaho	20,310	21,774	18,546	1,857	799	597	597	892
Illinois	294,384	321,639	316,685	24,255	9,032	7,695	7,541	9,771
Indiana	95,840	103,612	103,028	7,593	2,947	2,218	2,174	2,528
Iowa	NA	53,235	51,390	4,149	1,548	1,110	NA	1,385
Kansas	45,259	49,993	47,265	4,260	1,383	1,333	1,193	1,213
Kentucky	31,977	33,921	36,736	2,083	891	720	765	829
Louisiana	NA	26,619	27,486	1,980	1,523	1,220	1,457	1,375
Maine	NA	2,314	2,202	NA	67	53	54	72
Maryland	55,590	58,535	63,580	3,248	1,771	1,358	1,871	2,027
Massachusetts	NA	97,959	97,568	NA	2,942	2,046	2,812	3,193
Michigan	231,956	242,712	236,469	22,202	8,318	5,472	5,546	6,492
Minnesota	NA	104,984	103,593	9,621	3,428	2,700	2,590	NA
Mississippi	NA	15,164	17,207	902	551	562	517	666
Missouri	71,014	79,367	79,497	3,876	2,097	1,833	1,770	1,957
Montana	NA	17,700	16,355	NA	467	406	548	773
Nebraska	27,932	30,437	31,137	1,595	835	755	826	1,076
Nevada	34,703	36,713	30,856	2,046	1,533	1,316	1,584	1,963
New Hampshire	5,167	6,013	5,763	221	183	138	160	156
New Jersey	163,736	171,731	184,199	8,861	5,312	4,567	6,385	6,631
New Mexico	NA	30,129	23,323	1,740	1,168	1,001	1,078	1,050
New York	320,302	349,565	360,576	17,381	11,244	10,195	11,144	13,001
North Carolina	NA	45,315	49,853	2,046	1,411	1,095	NA	NA
North Dakota	9,131	9,577	9,255	564	249	210	190	233
Ohio	198,837	209,283	215,140	12,499	5,754	5,151	4,802	5,955
Oklahoma	NA	48,576	46,440	1,769	1,455	1,249	NA	1,316
Oregon	32,202	35,193	29,991	2,910	1,156	1,000	1,170	1,575
Pennsylvania	160,925	173,904	184,001	9,673	4,534	3,933	3,759	5,656
Rhode Island	13,060	14,363	14,977	535	453	424	424	431
South Carolina	19,508	19,499	21,785	904	628	481	522	690
South Dakota	9,615	11,130	10,597	640	270	208	210	289
Tennessee	NA	46,708	52,764	2,161	1,287	1,156	1,173	1,518
Texas	NA	172,008	167,532	NA	6,453	6,428	6,835	7,010
Utah	NA	54,563	46,362	2,418	1,896	2,223	2,115	2,865
Vermont	2,797	3,139	3,054	149	103	78	85	122
Virginia	NA	59,514	65,804	3,175	1,782	1,592	1,744	1,945
Washington	NA	65,801	60,360	6,446	2,303	1,994	2,345	2,786
West Virginia	16,620	16,920	19,110	1,072	500	315	322	669
Wisconsin	101,537	111,317	105,472	10,400	3,167	2,522	2,469	2,794
Wyoming	9,717	10,135	9,377	568	290	199	248	397
Total	3,421,335	3,674,824	3,632,997	244,108	125,365	109,639	117,990	135,813

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2018-2020

(million cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	1,204	1,640	2,607	5,259	5,624	30,616	5,044	2,825
Alaska	924	1,577	2,611	2,749	3,653	17,951	2,685	1,978
Arizona	1,939	3,110	4,675	6,891	8,425	42,085	5,947	2,994
Arkansas	1,463	2,028	4,386	5,061	6,195	33,718	5,438	4,256
California	27,770	NA	52,770	52,704	70,232	464,672	60,983	43,975
Colorado	5,252	12,253	12,625	20,685	21,671	142,692	22,258	17,685
Connecticut	2,637	4,839	5,798	8,293	8,341	52,228	8,492	6,140
Delaware	556	NA	NA	NA	2,044	11,643	1,986	1,266
District of Columbia	581	907	1,187	1,806	1,939	12,065	2,251	1,481
Florida	NA	1,473	NA	2,136	NA	16,565	1,952	1,190
Georgia	5,775	7,420	10,679	19,285	21,093	123,249	18,521	14,859
Hawaii	50	57	51	49	54	576	46	42
Idaho	1,283	2,087	3,142	4,434	4,622	30,803	4,861	4,169
Illinois	20,180	33,320	46,335	66,414	69,840	438,021	59,858	56,523
Indiana	6,012	9,814	15,588	23,335	23,630	142,806	20,252	18,942
Iowa	2,587	5,168	7,324	11,019	12,423	71,385	9,970	8,180
Kansas	2,120	4,535	6,586	10,360	12,275	68,123	10,077	8,053
Kentucky	1,806	3,207	4,690	8,417	8,570	48,777	7,953	6,904
Louisiana	1,654	2,018	3,008	4,811	NA	36,019	5,277	4,123
Maine	164	283	371	461	498	3,134	467	354
Maryland	3,863	5,885	8,223	12,064	15,280	81,845	13,510	9,799
Massachusetts	5,903	11,752	14,352	17,420	19,335	135,116	22,166	14,991
Michigan	16,489	26,901	36,788	51,991	51,756	332,254	46,084	43,458
Minnesota	5,198	9,816	15,291	NA	NA	144,577	22,261	17,333
Mississippi	738	NA	2,179	3,769	4,078	22,118	3,723	3,231
Missouri	3,746	6,250	10,409	18,401	20,675	110,611	17,007	14,237
Montana	1,267	1,732	2,684	3,085	3,467	23,932	3,279	2,953
Nebraska	1,632	2,978	4,589	6,055	7,590	41,639	5,822	5,380
Nevada	2,327	3,572	5,342	6,716	8,302	47,931	7,356	3,862
New Hampshire	327	646	867	1,192	1,276	8,034	1,396	626
New Jersey	12,651	20,542	24,118	30,994	43,677	239,055	39,094	28,230
New Mexico	1,230	2,454	4,766	NA	6,921	42,384	7,222	5,034
New York	25,913	40,428	52,224	65,690	73,083	473,617	71,422	52,629
North Carolina	2,629	3,484	5,725	10,617	12,931	67,948	12,688	9,945
North Dakota	512	1,125	1,578	2,016	2,455	13,124	2,004	1,542
Ohio	15,432	23,477	32,235	47,512	46,020	290,080	44,442	36,355
Oklahoma	2,269	4,279	6,060	10,926	11,564	67,890	10,706	8,608
Oregon	2,165	3,288	5,856	6,263	6,819	47,927	7,047	5,687
Pennsylvania	12,797	19,820	25,257	35,859	39,637	236,631	38,989	23,738
Rhode Island	871	1,824	2,202	2,775	3,119	19,892	3,130	2,399
South Carolina	1,142	1,405	2,684	5,217	5,835	28,871	5,509	3,863
South Dakota	543	1,225	1,521	2,142	2,567	14,809	1,976	1,703
Tennessee	NA	4,016	NA	12,708	12,769	68,686	11,788	10,191
Texas	8,322	10,547	18,708	34,257	38,096	228,129	31,828	24,293
Utah	2,820	NA	6,919	10,782	12,308	75,938	13,171	8,205
Vermont	238	368	419	610	624	4,139	578	422
Virginia	NA	4,927	7,297	11,519	14,028	81,831	13,627	8,690
Washington	3,901	6,508	NA	10,967	13,006	89,967	12,890	11,277
West Virginia	940	1,931	2,660	3,987	4,223	23,850	3,758	3,172
Wisconsin	6,361	12,160	16,225	22,530	22,909	151,591	21,241	19,034
Wyoming	747	1,403	1,749	2,049	2,067	14,057	2,074	1,847
Total	235,016	375,432	524,858	732,603	820,510	5,015,603	752,105	588,674

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	980	705	656	765	853	1,144	1,904	3,973
Alaska	1,447	823	456	413	531	982	1,442	2,125
Arizona	1,800	1,170	1,088	1,208	1,510	2,084	2,746	5,638
Arkansas	921	565	541	627	621	1,292	1,984	5,714
California	25,563	18,490	18,498	21,403	21,322	30,649	30,632	51,706
Colorado	10,443	3,101	2,749	1,028	3,957	7,697	9,680	19,642
Connecticut	1,974	1,066	933	1,025	1,338	2,278	3,792	7,201
Delaware	288	178	168	184	192	363	689	1,730
District of Columbia	246	253	272	228	292	395	745	1,651
Florida	936	886	821	813	924	1,190	1,556	1,678
Georgia	5,453	3,811	3,952	6,701	4,112	4,607	6,864	14,618
Hawaii	45	43	44	47	44	51	51	55
Idaho	2,818	864	552	578	730	1,138	1,891	3,527
Illinois	21,239	7,867	7,332	7,813	9,751	18,871	30,473	60,875
Indiana	6,698	2,416	2,013	2,169	2,560	4,786	8,727	20,903
Iowa	4,263	1,084	1,114	1,102	1,383	2,710	4,652	10,039
Kansas	3,903	1,249	1,025	1,168	1,178	1,911	3,260	9,360
Kentucky	1,835	743	766	794	911	1,196	2,265	7,153
Louisiana	1,507	1,171	1,249	1,057	1,211	1,555	2,442	4,242
Maine	141	64	49	49	83	167	260	423
Maryland	2,203	1,544	1,488	1,572	1,749	2,928	3,796	11,782
Massachusetts	4,918	2,902	2,600	2,700	3,222	6,378	9,992	19,439
Michigan	18,571	5,674	5,128	5,554	7,075	13,513	24,615	46,660
Minnesota	8,285	2,679	2,285	2,234	3,111	6,455	10,081	18,683
Mississippi	796	423	527	520	479	589	1,174	2,991
Missouri	5,498	1,610	1,668	1,752	1,940	3,231	5,246	15,499
Montana	1,328	444	269	521	829	1,079	1,581	3,332
Nebraska	1,597	643	703	767	901	1,745	2,527	6,194
Nevada	2,427	1,520	1,310	1,453	1,807	2,254	3,021	6,324
New Hampshire	253	187	150	150	182	375	610	1,130
New Jersey	8,747	5,000	4,207	4,900	6,644	9,825	14,838	34,457
New Mexico	2,112	970	1,062	1,005	1,108	1,786	2,632	4,615
New York	17,557	10,275	9,735	10,211	12,465	22,277	34,355	70,167
North Carolina	1,766	1,021	1,015	975	1,439	1,363	3,081	9,502
North Dakota	600	198	186	179	234	574	917	1,764
Ohio	12,187	4,874	4,306	4,855	5,378	10,285	19,037	43,223
Oklahoma	1,624	1,069	1,118	1,240	1,511	2,165	3,481	9,429
Oregon	4,322	1,405	959	962	1,297	1,692	3,332	5,943
Pennsylvania	7,970	4,202	3,931	4,013	4,855	8,448	14,432	35,444
Rhode Island	933	423	360	342	444	860	1,374	2,783
South Carolina	719	536	491	505	544	584	1,668	3,680
South Dakota	765	220	214	244	283	734	1,144	2,105
Tennessee	1,692	1,139	910	1,101	1,186	1,599	3,403	9,929
Texas	7,328	5,045	5,213	6,208	6,613	7,913	16,990	33,326
Utah	3,612	1,916	1,552	2,005	2,032	4,707	3,970	9,212
Vermont	140	90	81	82	128	224	383	573
Virginia	2,260	1,502	1,486	1,475	1,813	1,926	4,451	11,686
Washington	8,230	2,622	1,704	1,974	2,415	3,194	6,195	10,491
West Virginia	1,089	297	343	331	314	654	1,355	3,842
Wisconsin	9,004	2,607	2,350	2,366	3,127	7,050	11,515	19,697
Wyoming	590	190	212	261	528	866	1,171	1,986
Total	231,622	109,775	101,840	111,629	129,157	212,341	328,421	688,144

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019		Total	2018				
	February	January		December	November	October	September	August
Alabama	3,793	7,973	34,726	6,159	4,124	1,014	663	701
Alaska	2,265	2,803	18,607	2,612	2,096	1,319	755	591
Arizona	7,428	8,471	35,125	5,784	3,171	1,673	1,132	1,050
Arkansas	5,127	6,631	34,979	5,629	4,142	1,293	607	564
California	74,192	67,257	423,915	63,275	38,251	22,607	19,154	15,058
Colorado	20,865	23,587	128,150	22,828	15,984	8,617	3,134	2,667
Connecticut	8,189	9,800	53,100	7,970	6,067	2,515	1,052	951
Delaware	2,084	2,515	12,076	1,879	1,362	402	157	179
District of Columbia	2,150	2,101	13,112	2,091	1,612	528	264	286
Florida	2,169	2,451	17,092	1,993	1,193	855	845	758
Georgia	15,173	24,577	133,085	21,401	17,176	6,319	3,894	4,105
Hawaii	51	58	590	49	47	44	45	47
Idaho	4,695	4,980	27,487	5,150	3,791	1,750	745	575
Illinois	71,860	85,556	438,218	63,598	57,935	23,490	8,068	7,465
Indiana	23,480	29,860	144,207	21,714	19,465	7,278	2,477	2,110
Iowa	12,610	14,277	70,950	10,599	8,960	3,749	1,299	1,073
Kansas	12,915	14,024	67,134	10,657	9,212	3,197	1,436	1,121
Kentucky	7,556	10,700	51,476	7,804	6,936	2,558	856	755
Louisiana	4,907	7,279	37,838	5,969	4,382	1,717	1,265	1,084
Maine	511	566	3,079	492	385	171	61	55
Maryland	14,653	16,821	86,397	12,717	10,100	3,593	1,521	1,466
Massachusetts	20,379	25,429	130,296	18,853	13,875	5,128	2,645	2,364
Michigan	51,520	64,401	326,962	48,210	42,283	21,590	6,018	5,879
Minnesota	24,708	26,464	141,400	20,409	17,398	9,051	2,826	2,457
Mississippi	2,901	4,764	24,426	4,137	3,082	931	495	552
Missouri	19,790	23,133	113,938	18,222	16,219	5,269	1,743	1,661
Montana	4,742	3,575	22,619	3,491	2,773	1,748	484	397
Nebraska	7,792	7,568	42,379	6,370	4,872	2,114	687	608
Nevada	8,076	8,520	41,837	6,929	4,052	2,031	1,408	1,154
New Hampshire	1,338	1,639	8,134	1,321	1,050	270	179	156
New Jersey	38,557	44,555	247,585	36,799	26,587	11,138	4,872	4,473
New Mexico	6,616	8,222	34,438	6,257	4,857	1,749	808	847
New York	73,689	88,837	485,693	69,121	55,996	23,307	10,718	9,912
North Carolina	9,943	15,211	73,262	12,929	10,479	2,409	977	1,005
North Dakota	2,536	2,391	12,681	1,819	1,607	945	194	171
Ohio	47,362	57,776	301,232	45,539	40,553	17,160	5,106	4,728
Oklahoma	12,543	14,397	67,340	11,782	9,118	1,852	1,197	1,116
Oregon	7,977	7,302	42,625	7,246	5,388	2,639	1,234	897
Pennsylvania	40,218	50,391	252,722	37,903	30,818	12,759	4,390	4,120
Rhode Island	3,061	3,781	20,523	3,090	2,456	1,278	377	393
South Carolina	4,302	6,471	31,994	6,086	4,123	929	494	503
South Dakota	2,763	2,657	14,280	2,149	1,534	934	215	196
Tennessee	10,247	15,503	74,802	13,352	8,687	2,056	1,130	931
Texas	38,167	45,205	227,028	36,361	23,135	8,068	5,132	4,989
Utah	11,743	13,813	67,415	12,146	8,907	4,541	1,646	1,553
Vermont	680	758	4,081	592	436	182	87	75
Virginia	14,417	18,500	89,036	14,342	8,890	3,464	1,666	1,547
Washington	15,673	13,304	83,567	13,155	10,052	6,120	2,610	1,585
West Virginia	3,677	5,017	26,256	4,011	3,135	1,311	348	297
Wisconsin	24,516	29,084	144,521	20,397	18,652	8,780	2,943	2,343
Wyoming	2,116	2,215	13,142	2,193	1,572	875	259	207
Total	808,724	953,171	4,997,554	765,580	598,977	255,318	112,317	99,781

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2018-2020

(million cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	694	725	1,116	2,500	3,745	3,744	9,540
Alaska	500	672	1,032	1,483	2,219	2,620	2,708
Arizona	1,123	1,330	1,732	2,404	4,686	5,225	5,815
Arkansas	545	643	987	2,688	4,337	5,216	8,329
California	19,784	21,806	26,759	32,039	53,115	54,556	57,512
Colorado	2,507	2,630	5,539	9,740	13,764	19,524	21,216
Connecticut	1,066	1,283	2,010	5,285	7,422	6,900	10,580
Delaware	179	200	372	1,178	2,092	1,655	2,421
District of Columbia	281	267	377	994	1,930	1,813	2,669
Florida	818	992	1,155	1,576	1,745	2,054	3,108
Georgia	3,928	3,981	4,736	8,844	15,721	12,259	30,720
Hawaii	46	50	49	52	52	51	58
Idaho	555	665	812	1,902	3,218	4,074	4,249
Illinois	7,517	8,979	12,425	43,889	55,219	65,052	84,581
Indiana	2,210	2,013	3,687	13,648	19,962	20,043	29,599
Iowa	958	1,187	1,841	7,088	8,661	11,403	14,130
Kansas	1,028	1,327	1,683	5,824	7,132	11,040	13,476
Kentucky	700	759	1,220	4,229	6,913	6,660	12,087
Louisiana	1,170	1,204	1,527	2,356	2,982	4,041	10,140
Maine	50	75	116	277	394	411	592
Maryland	1,559	1,859	3,410	7,349	13,703	11,360	17,761
Massachusetts	2,486	2,835	4,488	12,333	18,654	21,076	25,559
Michigan	5,128	5,594	8,804	33,126	45,563	44,146	60,620
Minnesota	2,194	2,934	4,376	13,487	17,014	22,845	26,409
Mississippi	505	493	672	1,558	2,270	2,622	7,110
Missouri	1,665	1,786	2,293	10,119	13,539	16,776	24,647
Montana	371	572	889	1,936	2,594	3,652	3,712
Nebraska	767	790	1,545	4,215	5,055	7,113	8,245
Nevada	1,256	1,612	2,003	2,891	5,723	6,123	6,655
New Hampshire	143	181	239	768	1,144	1,048	1,636
New Jersey	4,944	6,134	7,904	23,748	38,286	31,553	51,148
New Mexico	788	798	1,117	2,020	4,389	4,603	6,205
New York	11,062	12,523	19,184	48,644	68,622	64,908	91,695
North Carolina	923	1,015	1,307	4,514	10,994	7,889	18,821
North Dakota	156	234	598	1,233	1,658	1,962	2,102
Ohio	4,783	4,692	6,013	30,110	43,089	39,323	60,134
Oklahoma	1,061	1,162	1,686	5,506	6,469	11,721	14,670
Oregon	945	1,299	1,518	3,483	5,408	6,335	6,233
Pennsylvania	4,166	4,538	6,648	23,113	38,763	33,224	52,279
Rhode Island	386	428	476	1,956	3,031	2,521	4,130
South Carolina	481	509	735	1,950	3,977	3,316	8,891
South Dakota	210	252	630	1,444	1,814	2,300	2,604
Tennessee	1,105	1,216	2,217	6,088	8,418	9,777	19,824
Texas	4,910	5,448	8,214	13,484	24,585	34,748	57,953
Utah	1,595	2,030	2,311	4,463	9,335	8,393	10,495
Vermont	83	113	185	439	536	582	773
Virginia	1,705	1,591	2,316	6,767	13,881	11,379	21,489
Washington	2,010	2,449	2,831	7,325	11,113	12,079	12,237
West Virginia	330	385	592	2,439	4,242	3,644	5,522
Wisconsin	2,325	2,659	4,026	15,087	18,462	22,632	26,214
Wyoming	221	323	617	1,254	1,749	1,896	1,975
Total	105,918	119,244	169,019	440,848	659,389	689,887	981,276

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, 2018-2020
(million cubic feet)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	2020				
				October	September	August	July	June
Alabama	16,891	19,235	19,450	1,612	1,138	1,009	981	924
Alaska	NA	11,014	10,962	1,336	749	560	470	NA
Arizona	28,033	27,381	24,749	2,353	2,086	2,036	2,139	2,121
Arkansas	42,066	42,971	43,165	4,128	3,117	2,851	2,925	2,801
California	185,778	203,823	196,292	18,027	16,029	15,098	14,758	13,627
Colorado	41,167	45,330	40,096	4,288	1,959	1,573	1,400	1,583
Connecticut	NA	42,992	44,527	NA	2,464	2,415	2,413	2,103
Delaware	NA	11,744	11,777	1,087	819	NA	740	658
District of Columbia	NA	12,017	12,703	778	NA	612	652	615
Florida	NA	51,940	52,365	NA	NA	4,101	4,031	4,104
Georgia	38,103	40,291	41,144	2,708	2,231	2,157	2,098	2,212
Hawaii	1,448	2,200	2,172	128	118	125	131	118
Idaho	14,287	15,940	13,982	1,660	904	726	735	788
Illinois	165,287	185,292	184,489	15,551	8,370	6,595	6,846	7,054
Indiana	60,487	65,570	64,144	5,916	3,540	2,487	2,387	2,398
Iowa	39,176	42,842	42,571	4,230	1,925	1,737	1,848	1,819
Kansas	30,274	31,404	30,223	2,866	1,624	2,071	1,859	1,782
Kentucky	24,368	27,317	28,520	1,909	1,156	926	879	844
Louisiana	NA	25,866	26,732	2,438	NA	1,970	NA	2,013
Maine	NA	7,463	7,048	NA	310	259	247	271
Maryland	51,442	57,280	60,344	4,331	3,672	2,815	2,765	3,365
Massachusetts	NA	91,272	88,926	6,402	3,977	NA	4,076	3,218
Michigan	125,769	137,741	135,666	10,730	5,945	5,583	4,607	4,827
Minnesota	NA	83,782	83,162	7,660	3,180	3,057	2,393	NA
Mississippi	NA	14,882	15,784	1,207	948	937	887	880
Missouri	45,680	51,583	52,015	3,276	2,344	2,141	1,979	2,265
Montana	NA	21,411	19,941	NA	1,058	941	912	1,394
Nebraska	24,734	26,600	26,756	1,896	1,197	1,257	1,231	1,369
Nevada	22,540	27,615	25,416	1,867	1,490	1,375	1,681	1,394
New Hampshire	6,341	7,640	7,252	308	268	191	215	187
New Jersey	104,319	116,673	127,998	6,829	5,393	4,568	5,434	8,013
New Mexico	NA	21,151	18,164	2,138	1,320	1,084	997	990
New York	216,727	245,669	252,873	16,009	12,987	13,003	12,386	12,304
North Carolina	NA	42,292	43,748	2,925	2,624	2,197	1,951	NA
North Dakota	11,264	11,255	10,492	802	459	410	327	332
Ohio	121,534	132,474	132,634	8,192	4,791	5,224	5,156	5,982
Oklahoma	NA	36,645	34,390	2,513	1,735	1,522	NA	1,536
Oregon	20,832	24,490	21,363	1,945	948	889	883	1,039
Pennsylvania	109,755	122,247	124,519	7,905	5,445	4,877	4,219	5,212
Rhode Island	7,746	8,976	9,357	313	277	239	241	261
South Carolina	17,526	18,921	19,658	1,558	1,363	1,033	1,232	1,279
South Dakota	8,782	9,918	9,339	692	369	317	312	318
Tennessee	NA	41,115	43,777	3,042	2,404	2,289	2,229	2,218
Texas	NA	157,738	166,905	12,918	10,469	10,064	10,309	NA
Utah	NA	34,789	30,044	1,679	1,340	1,703	1,454	1,802
Vermont	5,235	5,569	5,463	460	336	396	350	304
Virginia	47,878	55,066	57,816	4,459	3,113	2,955	2,946	2,693
Washington	41,609	46,486	43,303	4,216	2,163	2,112	2,153	2,466
West Virginia	16,240	17,988	19,173	1,451	1,022	922	844	1,009
Wisconsin	68,229	75,923	74,815	7,045	3,174	2,893	2,622	2,612
Wyoming	9,261	9,570	10,426	665	401	289	386	472
Total	2,406,594	2,667,392	2,668,631	207,541	142,167	131,356	128,560	131,603

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2018-2020

(million cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	1,082	1,450	1,858	3,268	3,569	24,875	3,198	2,442
Alaska	NA	NA	2,045	2,216	2,653	14,570	1,947	1,609
Arizona	1,845	2,410	3,655	4,362	5,026	34,687	4,183	3,122
Arkansas	3,271	3,765	5,710	6,267	7,231	55,100	6,384	5,745
California	14,029	15,147	25,859	25,321	27,883	255,981	25,534	26,624
Colorado	2,451	4,671	5,559	8,625	9,059	61,755	9,209	7,215
Connecticut	2,908	4,365	5,725	7,084	7,908	57,642	8,159	6,491
Delaware	808	NA	1,431	NA	2,071	15,590	2,008	1,838
District of Columbia	681	1,085	1,449	1,912	2,244	16,125	2,317	1,791
Florida	NA	3,974	NA	6,084	NA	63,355	6,140	5,274
Georgia	2,697	3,298	4,681	7,606	8,414	53,611	7,271	6,049
Hawaii	104	117	191	196	219	2,608	214	193
Idaho	869	1,220	1,993	2,607	2,785	20,971	2,760	2,271
Illinois	11,201	17,357	24,914	33,402	33,996	247,280	32,173	29,815
Indiana	3,408	5,170	8,787	12,882	13,513	88,245	11,610	11,066
Iowa	2,183	3,857	5,603	7,713	8,263	57,985	7,608	7,535
Kansas	1,851	3,074	3,998	5,383	5,767	41,320	5,421	4,495
Kentucky	1,388	2,238	3,564	5,582	5,882	37,395	5,314	4,763
Louisiana	1,733	2,175	2,598	3,285	3,234	32,980	3,581	3,533
Maine	469	776	1,071	1,315	1,405	9,919	1,369	1,087
Maryland	3,891	5,044	6,820	8,687	10,052	76,349	10,497	8,573
Massachusetts	4,903	8,855	10,792	14,224	15,597	121,518	16,205	14,040
Michigan	8,055	13,622	20,172	25,569	26,658	181,825	24,076	20,007
Minnesota	4,315	7,130	11,816	NA	NA	113,428	16,690	12,956
Mississippi	963	NA	1,855	2,666	2,842	19,935	2,658	2,394
Missouri	2,726	4,024	6,350	9,868	10,708	67,930	9,092	7,255
Montana	1,720	2,062	2,779	3,279	3,630	27,790	3,472	2,907
Nebraska	1,557	2,471	3,620	4,466	5,669	35,388	4,351	4,437
Nevada	1,243	1,865	3,502	3,766	4,356	35,190	4,326	3,249
New Hampshire	367	742	1,055	1,426	1,582	10,135	1,660	835
New Jersey	6,375	11,103	14,351	17,462	24,790	155,507	22,024	16,809
New Mexico	914	1,352	2,971	NA	4,108	29,661	4,870	3,640
New York	16,280	24,079	29,676	38,519	41,483	322,778	41,826	35,283
North Carolina	2,355	2,997	4,416	7,043	8,443	57,310	7,461	7,558
North Dakota	677	1,306	1,901	2,303	2,748	15,455	2,391	1,809
Ohio	7,965	13,238	18,315	26,044	26,626	177,428	24,590	20,364
Oklahoma	1,890	2,765	4,271	6,817	7,231	48,791	6,618	5,529
Oregon	1,328	1,910	3,611	4,011	4,270	32,379	4,263	3,626
Pennsylvania	7,096	11,650	16,150	22,509	24,692	161,624	23,289	16,088
Rhode Island	474	1,045	1,295	1,736	1,864	12,416	1,953	1,487
South Carolina	1,279	1,411	1,924	3,047	3,400	24,926	2,938	3,067
South Dakota	522	1,012	1,277	1,811	2,153	13,405	1,902	1,585
Tennessee	NA	3,138	NA	8,148	8,568	56,315	7,641	7,559
Texas	9,640	12,330	15,989	22,718	23,287	198,029	21,495	18,796
Utah	1,899	NA	4,255	6,290	6,829	47,336	7,584	4,963
Vermont	329	516	748	828	967	7,341	972	800
Virginia	3,627	4,754	5,417	7,922	9,993	71,245	9,078	7,101
Washington	2,819	3,921	6,571	7,157	8,031	61,010	7,982	6,542
West Virginia	1,057	1,562	2,274	2,961	3,139	23,599	2,982	2,629
Wisconsin	4,363	7,007	10,244	13,918	14,349	101,576	13,521	12,133
Wyoming	713	1,279	1,529	1,758	1,770	12,996	1,796	1,630
Total	161,109	236,913	337,078	443,357	486,910	3,512,607	456,605	388,610

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	1,672	1,152	1,067	1,169	1,270	1,356	1,573	2,841
Alaska	1,109	721	495	471	539	881	1,219	1,334
Arizona	2,378	1,911	1,887	1,949	2,093	2,434	2,630	3,536
Arkansas	3,691	2,916	2,892	3,002	2,870	3,489	4,074	6,446
California	20,971	16,093	17,132	15,947	15,505	18,840	17,595	23,676
Colorado	4,258	1,703	1,654	864	2,190	3,632	4,440	8,339
Connecticut	3,455	2,541	2,475	2,505	2,328	2,996	4,033	6,830
Delaware	978	758	744	762	713	808	886	1,826
District of Columbia	688	736	845	665	682	843	998	1,936
Florida	4,810	4,694	4,665	4,535	4,699	4,988	5,288	5,823
Georgia	2,777	2,011	2,164	3,442	2,182	2,422	3,268	6,151
Hawaii	215	214	230	235	202	221	221	216
Idaho	2,180	1,023	788	782	792	988	1,346	2,223
Illinois	14,889	8,349	8,244	8,205	8,561	12,208	18,501	31,315
Indiana	6,239	2,761	2,358	2,363	2,634	3,271	5,289	11,740
Iowa	4,271	1,742	1,757	1,731	1,763	2,396	3,748	7,161
Kansas	2,776	1,907	1,575	1,776	1,817	1,962	2,014	4,785
Kentucky	1,961	1,219	1,187	1,236	1,251	1,393	1,959	4,947
Louisiana	2,531	2,022	2,312	1,979	1,981	2,102	2,378	3,205
Maine	526	332	282	271	338	566	811	1,254
Maryland	3,817	3,341	3,458	3,453	3,227	4,074	4,623	9,473
Massachusetts	7,099	5,015	3,907	4,133	3,951	6,268	9,082	14,714
Michigan	10,427	5,222	5,502	4,922	6,101	9,670	14,439	24,748
Minnesota	6,791	3,027	2,778	3,036	3,265	5,024	9,026	14,622
Mississippi	1,352	853	998	984	899	923	1,261	2,213
Missouri	4,475	2,130	2,208	2,201	2,215	2,947	4,082	8,697
Montana	1,823	1,143	941	1,082	1,230	1,621	2,079	3,529
Nebraska	1,973	1,063	1,176	1,273	1,288	1,865	2,214	4,460
Nevada	2,583	1,876	1,783	1,839	1,994	2,331	2,588	3,745
New Hampshire	404	307	245	231	259	481	772	1,386
New Jersey	8,040	5,606	5,351	7,056	5,365	7,408	10,949	19,670
New Mexico	2,618	1,157	1,188	958	1,166	1,535	1,739	2,726
New York	16,506	14,663	14,698	14,673	13,665	16,836	22,903	39,125
North Carolina	3,350	2,478	2,326	2,145	2,758	2,600	3,392	6,767
North Dakota	766	379	350	325	343	703	1,091	2,005
Ohio	9,152	5,246	5,007	5,186	5,315	7,456	12,343	24,505
Oklahoma	2,665	1,615	1,607	1,682	1,815	2,228	2,950	6,094
Oregon	2,768	1,341	1,039	1,003	1,217	1,495	2,366	3,916
Pennsylvania	7,752	5,301	5,071	4,895	5,104	7,090	10,444	21,399
Rhode Island	582	288	238	228	300	550	919	1,731
South Carolina	1,632	1,294	1,305	1,275	1,333	1,500	1,711	2,648
South Dakota	747	374	345	335	355	646	996	1,701
Tennessee	3,208	2,379	2,148	2,311	2,348	2,412	3,083	6,613
Texas	11,983	10,247	10,539	10,962	12,152	12,136	16,432	22,431
Utah	2,867	1,574	1,278	1,638	1,513	3,311	2,660	5,473
Vermont	450	375	362	360	332	321	498	820
Virginia	3,742	3,032	3,429	3,073	3,141	3,566	4,503	8,681
Washington	5,549	2,631	2,236	2,339	2,646	3,093	4,566	6,799
West Virginia	1,542	975	1,039	1,003	971	1,175	1,631	3,039
Wisconsin	6,319	3,034	3,070	2,774	3,332	4,892	7,747	13,039
Wyoming	624	294	330	387	558	841	1,081	1,697
Total	215,982	143,062	140,705	141,651	144,568	184,799	246,441	424,050

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019		Total	December	November	October	September	2018
	February	January						August
Alabama	2,268	4,868	26,636	3,658	3,528	1,709	1,091	1,162
Alaska	2,134	2,111	14,489	2,017	1,509	993	636	558
Arizona	4,086	4,477	31,812	4,013	3,051	2,163	1,820	1,881
Arkansas	6,141	7,448	55,453	6,589	5,699	4,104	3,032	3,071
California	30,619	27,444	248,012	28,627	23,093	20,372	16,863	16,398
Colorado	8,613	9,638	55,887	9,266	6,526	3,901	1,648	1,620
Connecticut	7,205	8,623	58,184	7,318	6,339	4,204	2,676	2,770
Delaware	1,871	2,396	15,593	1,978	1,839	1,222	796	766
District of Columbia	2,169	2,456	16,621	2,082	1,837	1,314	693	909
Florida	5,810	6,628	63,805	6,217	5,224	4,678	4,681	4,525
Georgia	6,135	9,737	56,539	8,483	6,912	3,127	2,114	2,172
Hawaii	210	237	2,601	217	212	220	204	226
Idaho	2,812	3,007	19,113	2,919	2,212	1,499	938	775
Illinois	34,471	40,549	241,974	30,916	26,568	15,973	8,852	8,566
Indiana	12,754	16,162	86,188	11,733	10,311	6,007	2,828	2,317
Iowa	8,582	9,692	56,854	7,499	6,784	3,962	1,806	1,744
Kansas	6,332	6,460	40,249	5,721	4,304	2,761	1,756	1,833
Kentucky	5,227	6,937	38,472	5,177	4,775	2,453	1,232	1,102
Louisiana	2,899	4,457	34,848	3,863	4,252	2,784	2,331	2,165
Maine	1,438	1,644	9,586	1,370	1,169	673	324	275
Maryland	9,296	12,519	77,310	9,043	7,923	5,938	3,525	3,586
Massachusetts	16,787	20,316	118,779	15,503	14,351	6,862	4,439	4,100
Michigan	27,193	29,516	180,333	25,154	19,513	10,983	4,896	5,758
Minnesota	17,937	18,276	110,026	14,923	11,941	7,360	3,252	2,827
Mississippi	2,149	3,250	21,039	2,768	2,487	1,450	931	995
Missouri	10,638	11,989	69,381	9,467	7,899	3,988	2,299	2,150
Montana	4,368	3,595	26,308	3,542	2,825	1,861	1,171	928
Nebraska	5,760	5,527	35,349	4,730	3,863	2,272	1,263	1,147
Nevada	4,323	4,553	32,772	4,165	3,191	2,290	1,873	1,733
New Hampshire	1,581	1,975	10,129	1,561	1,316	451	290	248
New Jersey	22,350	24,878	167,351	22,422	16,931	8,526	5,670	6,205
New Mexico	3,551	4,514	25,948	4,748	3,036	2,153	1,031	1,122
New York	41,248	51,352	330,213	40,303	37,037	23,421	15,504	15,077
North Carolina	6,619	9,858	57,989	7,544	6,696	3,967	2,373	2,077
North Dakota	2,694	2,598	14,454	2,083	1,879	1,140	346	322
Ohio	25,548	32,716	178,992	24,468	21,890	11,733	5,324	5,203
Oklahoma	7,538	8,449	46,960	7,047	5,523	2,481	1,618	1,577
Oregon	4,890	4,455	28,997	4,399	3,235	1,957	1,180	993
Pennsylvania	23,331	31,861	165,119	21,953	18,646	11,106	5,399	5,164
Rhode Island	1,842	2,298	12,732	1,904	1,471	814	309	287
South Carolina	2,475	3,746	25,551	2,939	2,955	1,926	1,231	1,303
South Dakota	2,263	2,156	12,573	1,819	1,416	859	335	296
Tennessee	6,460	10,154	58,669	8,171	6,720	3,537	2,286	2,077
Texas	24,041	26,814	214,173	25,171	22,097	13,865	11,513	11,509
Utah	6,832	7,643	42,367	7,093	5,229	3,055	1,357	1,223
Vermont	911	1,142	7,356	994	899	626	392	363
Virginia	9,555	12,344	74,282	9,389	7,077	5,389	3,288	3,253
Washington	8,635	7,990	57,014	7,672	6,039	4,251	2,570	2,316
West Virginia	2,893	3,719	25,059	3,125	2,761	1,634	1,004	1,061
Wisconsin	14,753	16,963	100,026	13,393	11,818	6,488	3,205	2,892
Wyoming	1,834	1,923	13,787	1,913	1,448	870	406	348
Total	472,073	554,061	3,513,954	459,067	386,256	237,370	146,602	142,976

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2018-2020

(million cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	1,108	1,101	1,142	1,902	2,832	2,187	5,216
Alaska	438	593	819	1,197	1,739	1,968	2,021
Arizona	1,930	1,977	2,214	2,448	3,269	3,337	3,711
Arkansas	2,881	2,816	3,058	4,398	5,571	6,098	8,136
California	15,507	16,142	17,524	18,730	25,288	24,163	25,305
Colorado	1,496	1,656	2,609	4,338	5,940	8,092	8,797
Connecticut	2,573	2,474	2,569	5,257	6,779	6,483	8,741
Delaware	687	684	691	1,208	1,874	1,698	2,152
District of Columbia	771	873	681	1,267	2,008	1,865	2,324
Florida	4,576	4,881	5,074	5,440	5,992	5,498	7,020
Georgia	2,168	2,149	2,460	3,978	6,407	5,117	11,453
Hawaii	223	212	209	216	214	203	243
Idaho	714	763	810	1,321	2,086	2,449	2,627
Illinois	8,606	8,498	10,255	23,081	28,302	32,965	39,391
Indiana	2,299	2,221	3,094	7,551	10,828	11,042	15,957
Iowa	1,659	1,893	2,304	5,194	6,399	7,931	9,679
Kansas	1,636	1,671	1,734	3,523	3,787	5,280	6,242
Kentucky	1,034	1,027	1,366	3,043	4,713	4,686	7,862
Louisiana	2,113	2,011	2,139	2,636	2,976	2,624	4,953
Maine	273	326	415	832	1,162	1,175	1,591
Maryland	3,417	3,924	4,495	6,408	9,651	8,194	11,205
Massachusetts	3,705	4,043	4,347	10,388	15,258	17,003	18,782
Michigan	5,171	5,272	8,384	17,926	23,451	23,818	30,008
Minnesota	2,844	3,126	4,263	11,054	13,168	17,065	18,203
Mississippi	908	916	951	1,480	1,920	1,989	4,244
Missouri	2,097	2,150	2,622	6,173	8,107	9,946	12,483
Montana	749	843	1,245	2,355	3,344	3,758	3,685
Nebraska	1,281	1,277	1,724	3,265	3,838	5,102	5,587
Nevada	1,739	1,916	2,219	2,593	3,629	3,626	3,797
New Hampshire	223	267	304	895	1,370	1,269	1,934
New Jersey	6,293	6,318	7,109	16,779	22,546	20,716	27,835
New Mexico	867	1,000	1,143	1,433	2,829	2,678	3,908
New York	15,045	14,584	14,963	29,197	39,340	37,166	48,575
North Carolina	2,104	1,996	2,338	4,621	7,814	5,830	10,627
North Dakota	291	369	552	1,410	1,851	2,129	2,083
Ohio	4,837	5,143	4,954	16,493	24,123	22,244	32,581
Oklahoma	1,462	1,578	1,827	3,716	4,462	7,165	8,504
Oregon	970	1,257	1,362	2,374	3,485	3,828	3,957
Pennsylvania	4,875	5,090	5,343	14,199	24,115	19,791	29,439
Rhode Island	292	291	315	1,187	1,889	1,582	2,391
South Carolina	1,272	1,343	1,487	1,752	3,064	2,285	3,995
South Dakota	300	346	564	1,237	1,505	1,872	2,025
Tennessee	2,256	2,428	2,622	4,623	6,250	6,317	11,381
Texas	10,399	10,960	13,464	15,773	22,247	24,249	32,926
Utah	1,286	1,484	1,709	2,902	5,707	5,146	6,175
Vermont	353	353	262	623	783	710	998
Virginia	3,410	2,971	3,229	5,366	10,128	7,803	12,978
Washington	2,167	2,731	2,861	4,579	7,092	7,243	7,494
West Virginia	999	1,045	1,132	2,224	3,263	2,854	3,959
Wisconsin	2,896	2,925	3,992	9,889	11,691	14,056	16,782
Wyoming	376	489	797	1,368	1,857	1,908	2,007
Total	137,574	142,401	163,748	301,841	417,944	424,203	553,970

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, 2018-2020
(million cubic feet)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD						2020
				October	September	August	July	June	
Alabama	172,755	179,950	178,735	18,444	16,550	17,298	16,197	15,451	
Alaska	13,246	12,953	4,633	1,577	1,299	1,313	1,211	1,226	
Arizona	14,918	15,157	15,425	1,486	1,293	1,291	1,451	1,204	
Arkansas	85,964	86,526	86,930	8,270	8,006	7,928	7,850	7,385	
California	583,829	638,929	640,599	57,980	62,770	61,624	58,343	55,444	
Colorado	67,434	73,962	70,131	7,057	5,749	5,052	4,956	5,411	
Connecticut	NA	19,437	19,938	NA	1,520	1,653	1,693	1,511	
Delaware	NA	27,000	24,696	3,082	2,641	2,752	2,653	2,640	
District of Columbia	0	--	--	0	0	0	0	0	
Florida	NA	97,817	88,324	NA	NA	10,132	9,632	9,054	
Georgia	123,896	127,705	129,948	12,077	12,236	12,813	12,103	11,201	
Hawaii	66	77	75	7	6	6	7	6	
Idaho ^a	30,752	31,102	27,729	3,572	3,031	2,570	2,689	2,648	
Illinois	NA	215,029	210,311	20,623	NA	17,620	18,160	16,825	
Indiana	306,016	349,177	341,446	31,291	29,119	28,453	27,117	25,680	
Iowa	196,636	204,207	210,440	20,451	18,387	18,264	18,121	16,293	
Kansas	109,233	107,380	108,513	10,917	9,458	11,056	11,506	10,897	
Kentucky	93,231	99,645	95,405	9,496	8,285	8,939	7,964	8,113	
Louisiana	NA	949,299	954,963	NA	94,934	94,197	94,627	94,825	
Maine	NA	16,812	15,385	1,975	NA	1,692	1,639	1,790	
Maryland	NA	14,489	12,990	1,780	1,719	NA	1,955	1,269	
Massachusetts	NA	38,628	38,294	NA	2,584	2,463	2,532	2,365	
Michigan	124,883	139,906	141,667	14,053	11,468	10,325	9,460	8,591	
Minnesota	NA	134,289	129,540	11,126	NA	9,533	9,228	7,719	
Mississippi	106,307	109,946	112,284	10,684	9,204	9,795	10,548	9,984	
Missouri	50,633	52,966	53,521	5,400	4,590	4,512	4,268	4,244	
Montana	19,957	19,053	20,748	2,288	1,745	1,806	1,883	1,740	
Nebraska	NA	71,473	73,646	9,369	7,890	8,284	8,496	6,762	
Nevada	NA	16,928	16,880	1,856	1,872	1,852	1,652	1,588	
New Hampshire	7,695	8,175	8,133	764	693	689	624	687	
New Jersey	NA	53,397	51,097	4,609	5,238	5,197	5,705	4,375	
New Mexico	NA	15,047	15,774	1,494	1,464	1,477	1,405	1,294	
New York	69,931	73,136	73,931	7,114	6,095	5,860	6,249	5,722	
North Carolina	94,254	97,572	95,006	9,802	8,663	8,857	8,306	8,427	
North Dakota	32,379	30,167	28,824	3,159	3,029	3,331	3,143	3,204	
Ohio	229,532	243,513	252,350	22,822	18,601	20,284	19,991	18,397	
Oklahoma	NA	174,182	172,551	18,344	17,399	17,620	NA	17,163	
Oregon	45,974	46,598	44,902	4,709	4,030	4,245	4,117	4,115	
Pennsylvania	172,442	198,216	189,228	17,684	14,970	15,074	15,465	15,221	
Rhode Island	6,986	7,318	7,243	626	672	638	624	631	
South Carolina	75,947	78,422	78,636	7,984	7,240	7,452	7,074	6,754	
South Dakota	36,810	37,460	38,423	3,696	3,721	3,785	3,355	3,005	
Tennessee	NA	122,050	120,017	12,559	11,683	11,529	10,765	10,750	
Texas	1,545,935	1,479,352	1,517,843	162,032	151,632	155,571	154,996	142,878	
Utah	NA	33,861	32,875	2,969	3,274	NA	2,884	3,015	
Vermont	1,829	1,933	1,842	168	162	157	158	159	
Virginia	NA	83,225	80,257	8,930	NA	NA	8,606	8,294	
Washington	NA	64,406	64,491	7,226	6,432	6,130	5,535	5,612	
West Virginia	NA	30,212	30,696	3,036	2,833	2,987	2,659	2,567	
Wisconsin	122,901	129,617	132,478	13,337	10,361	9,636	9,465	8,892	
Wyoming	NA	50,062	53,662	5,771	NA	4,511	4,734	4,184	
Total	6,761,105	6,907,761	6,913,453	696,217	650,665	653,509	641,264	607,213	

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2018-2020

(million cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	15,928	16,278	17,744	18,977	19,889	217,040	18,886	18,204
Alaska	1,230	1,199	1,288	1,463	1,440	15,940	1,418	1,568
Arizona	1,399	1,542	1,671	1,735	1,846	18,625	1,803	1,665
Arkansas	8,432	8,734	9,655	9,547	10,158	105,280	9,475	9,279
California	53,255	52,497	58,993	53,928	68,995	768,188	65,665	63,595
Colorado	5,829	6,979	8,194	8,985	9,223	91,693	9,245	8,486
Connecticut	1,615	1,970	2,125	2,348	2,549	24,520	2,667	2,416
Delaware	2,904	NA	3,424	3,552	4,113	33,865	3,454	3,412
District of Columbia	0	0	0	0	0	--	--	--
Florida	NA	10,604	NA	10,046	NA	119,654	11,535	10,301
Georgia	11,745	11,929	11,762	13,511	14,517	155,992	13,992	14,295
Hawaii	6	6	8	8	6	94	8	8
Idaho ^a	2,470	2,876	3,521	3,575	3,802	38,598	3,745	3,751
Illinois	18,062	19,349	24,155	26,063	27,035	267,360	27,107	25,224
Indiana	27,784	28,118	33,412	35,057	39,985	426,408	40,716	36,515
Iowa	18,408	18,533	22,095	22,027	24,058	249,885	23,009	22,669
Kansas	10,006	10,527	10,221	11,729	12,916	131,094	12,435	11,279
Kentucky	8,184	8,671	10,203	11,553	11,823	121,669	10,954	11,070
Louisiana	93,457	89,863	94,292	93,812	101,134	1,145,104	101,508	94,297
Maine	1,980	1,895	2,012	2,208	2,357	21,024	2,170	2,042
Maryland	1,319	1,348	1,658	1,642	1,303	18,336	1,590	2,257
Massachusetts	3,173	4,243	4,713	5,879	5,839	48,770	5,257	4,886
Michigan	8,166	11,892	15,478	17,606	17,843	173,618	17,350	16,362
Minnesota	9,954	NA	14,087	NA	NA	162,437	14,863	13,285
Mississippi	9,933	10,439	11,234	11,877	12,610	132,423	11,543	10,934
Missouri	4,284	4,571	5,500	6,551	6,714	65,452	6,289	6,196
Montana	1,865	2,004	2,125	2,201	2,300	23,689	2,282	2,355
Nebraska	5,929	NA	8,088	7,821	8,921	89,696	7,972	10,252
Nevada	1,617	1,633	NA	1,792	1,766	20,681	1,878	1,875
New Hampshire	724	793	891	916	915	9,834	838	821
New Jersey	3,603	4,324	4,662	5,056	NA	65,061	6,166	5,498
New Mexico	1,326	1,466	1,646	NA	1,710	18,362	1,700	1,615
New York	5,794	7,004	8,125	8,966	9,002	90,330	8,759	8,435
North Carolina	8,735	8,914	10,433	10,654	11,462	119,114	10,782	10,759
North Dakota	2,626	3,103	3,522	3,526	3,736	36,093	3,280	2,647
Ohio	19,780	23,482	27,095	29,168	29,912	298,171	28,015	26,643
Oklahoma	17,907	18,420	18,619	18,556	19,640	211,168	19,260	17,725
Oregon	4,284	4,615	5,335	5,149	5,375	57,008	5,284	5,126
Pennsylvania	15,155	16,582	19,520	20,797	21,973	249,026	25,926	24,884
Rhode Island	693	734	733	805	830	8,819	786	714
South Carolina	7,186	7,038	8,363	8,077	8,779	94,907	8,096	8,389
South Dakota	2,714	3,436	4,088	4,360	4,649	46,014	4,698	3,856
Tennessee	NA	11,582	NA	13,721	13,942	147,533	12,933	12,550
Texas	149,320	147,504	160,929	155,402	165,671	1,799,319	167,322	152,645
Utah	3,292	3,172	3,432	3,979	3,977	41,348	3,720	3,767
Vermont	178	188	208	219	232	2,370	223	214
Virginia	7,803	6,462	NA	NA	8,949	100,608	8,522	8,860
Washington	5,690	5,874	NA	NA	7,188	78,490	7,242	6,842
West Virginia	2,750	NA	2,870	3,418	NA	36,570	3,197	3,161
Wisconsin	10,484	11,803	14,932	16,384	17,607	162,622	16,830	16,175
Wyoming	4,251	5,134	NA	5,124	5,723	61,755	6,239	5,453
Total	624,852	644,030	720,293	731,678	791,385	8,421,655	778,634	735,260

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	17,208	16,330	17,207	17,497	17,864	18,233	17,426	19,316
Alaska	1,480	1,263	1,036	1,137	1,041	1,087	1,115	1,555
Arizona	1,458	1,290	1,287	1,303	1,330	1,531	1,478	1,602
Arkansas	8,547	7,747	7,625	8,805	8,236	8,746	8,482	9,472
California	66,872	67,982	69,610	64,900	60,273	63,860	59,312	63,355
Colorado	7,606	5,517	5,535	5,483	6,001	7,405	7,445	9,148
Connecticut	1,917	1,686	1,792	1,693	1,590	1,691	1,777	2,233
Delaware	2,783	2,555	2,480	2,314	2,541	2,606	2,452	2,868
District of Columbia	--	--	--	--	--	--	--	--
Florida	9,899	9,037	9,657	8,823	9,419	10,447	10,411	9,990
Georgia	12,913	11,857	12,132	12,210	12,090	12,660	12,624	13,890
Hawaii	9	8	8	8	7	8	8	7
Idaho ^a	3,964	3,070	2,688	2,570	2,621	2,710	2,817	3,374
Illinois	21,735	16,513	18,773	18,022	17,830	20,466	20,271	25,448
Indiana	32,744	30,499	33,212	32,105	30,495	34,525	35,898	40,810
Iowa	20,119	18,406	20,003	17,994	19,447	21,140	19,774	22,317
Kansas	9,284	9,949	11,678	11,663	10,018	9,290	8,855	11,138
Kentucky	9,606	8,321	9,308	8,438	8,447	9,259	10,068	12,266
Louisiana	92,571	91,451	93,167	91,998	92,948	99,122	95,649	97,218
Maine	1,836	1,512	1,393	1,369	1,375	1,597	1,746	1,966
Maryland	1,367	1,427	1,130	1,715	1,439	1,085	1,520	1,619
Massachusetts	3,198	2,765	3,106	2,180	2,744	3,695	4,135	5,097
Michigan	13,266	11,267	11,179	10,946	10,841	12,976	14,144	18,429
Minnesota	12,178	11,528	11,685	12,139	11,675	12,616	14,446	15,280
Mississippi	10,258	10,944	11,144	11,166	10,035	11,309	11,705	11,694
Missouri	5,567	4,506	4,357	4,307	4,404	4,579	4,995	6,063
Montana	2,173	1,865	1,715	1,804	1,771	1,850	1,733	1,901
Nebraska	8,144	6,798	7,521	7,235	6,598	7,164	6,280	6,610
Nevada	1,654	1,576	1,706	1,750	1,556	1,595	1,647	1,783
New Hampshire	768	686	710	708	748	814	877	963
New Jersey	6,220	5,686	6,595	4,584	4,864	4,688	4,134	5,747
New Mexico	1,644	1,417	1,393	1,387	1,431	1,530	1,492	1,661
New York	6,628	6,067	6,410	6,223	6,041	6,240	7,369	9,012
North Carolina	9,487	8,674	9,224	8,641	8,708	9,184	9,707	11,533
North Dakota	2,283	2,883	3,154	3,139	3,280	3,182	3,076	3,192
Ohio	22,154	21,219	21,697	21,048	17,195	22,428	24,655	30,365
Oklahoma	18,413	16,514	16,650	16,177	17,183	18,048	17,484	19,006
Oregon	5,223	4,485	4,370	4,154	4,057	4,446	4,763	5,027
Pennsylvania	22,071	21,141	22,135	15,761	15,766	15,819	17,509	22,786
Rhode Island	661	670	690	680	666	712	763	794
South Carolina	8,004	7,104	7,544	7,749	7,303	7,439	7,717	8,695
South Dakota	3,084	3,415	3,590	3,681	3,809	3,565	3,673	4,067
Tennessee	12,156	10,824	11,380	11,132	11,661	11,267	12,045	13,606
Texas	145,196	140,135	149,207	148,069	142,830	145,051	143,845	154,046
Utah	3,122	3,052	2,875	3,023	3,281	3,338	3,635	3,525
Vermont	190	156	163	154	169	188	197	233
Virginia	8,129	8,405	8,275	8,323	7,954	8,271	8,090	7,867
Washington	7,239	6,560	6,048	5,885	5,662	6,221	6,094	6,970
West Virginia	2,958	2,708	2,783	2,801	2,686	3,120	2,912	3,663
Wisconsin	12,957	10,355	10,430	10,254	10,113	11,722	13,038	16,414
Wyoming	5,470	4,610	4,682	4,836	4,531	4,750	4,214	5,046
Total	684,410	644,435	672,136	649,985	634,573	675,280	675,503	750,667

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019			2018				
	February	January	Total	December	November	October	September	August
Alabama	17,930	20,939	219,057	20,481	19,840	18,667	16,977	17,134
Alaska	1,496	1,742	5,890	620	636	517	531	430
Arizona	1,834	2,044	19,169	1,939	1,805	1,604	1,346	1,435
Arkansas	8,849	10,016	106,692	9,827	9,935	8,974	8,293	8,681
California	57,327	65,438	766,415	64,328	61,488	62,841	68,239	70,487
Colorado	9,591	10,231	88,654	9,741	8,783	7,373	5,716	5,490
Connecticut	2,325	2,734	24,562	2,404	2,220	1,925	1,747	1,803
Delaware	2,871	3,530	30,783	2,872	3,215	2,563	1,971	2,033
District of Columbia	--	--	--	--	--	--	--	--
Florida	9,276	10,858	108,071	10,268	9,479	8,903	8,553	8,810
Georgia	12,498	14,832	158,445	14,373	14,124	12,943	12,227	13,195
Hawaii	7	8	90	7	7	8	7	8
Idaho ^a	3,431	3,855	34,761	3,558	3,473	3,347	2,649	2,329
Illinois	25,552	30,420	262,261	25,964	25,987	22,921	18,650	18,323
Indiana	36,785	42,103	419,146	39,990	37,710	27,802	29,271	31,926
Iowa	21,893	23,113	256,030	22,288	23,302	22,015	19,683	20,797
Kansas	12,363	13,144	132,495	12,344	11,638	9,256	8,946	10,517
Kentucky	10,803	13,128	117,951	11,460	11,087	9,367	7,951	8,407
Louisiana	93,611	101,564	1,148,071	99,119	93,988	94,256	95,855	95,551
Maine	1,909	2,110	19,231	1,997	1,849	1,805	1,599	1,460
Maryland	1,445	1,743	16,227	1,578	1,659	1,217	1,063	1,085
Massachusetts	5,884	5,823	47,524	5,197	4,033	3,566	2,497	2,508
Michigan	16,773	20,084	176,250	17,317	17,266	14,365	11,536	11,032
Minnesota	15,847	16,897	161,560	16,530	15,490	11,930	10,920	11,244
Mississippi	10,348	11,342	134,953	11,263	11,406	11,063	10,811	11,052
Missouri	6,701	7,488	66,744	6,566	6,657	5,396	4,477	4,681
Montana	2,085	2,154	25,244	2,237	2,260	2,169	2,049	2,014
Nebraska	7,306	7,817	89,516	7,686	8,184	8,000	7,063	6,779
Nevada	1,937	1,724	20,153	1,694	1,580	1,624	1,641	1,738
New Hampshire	961	942	9,916	906	876	780	696	681
New Jersey	5,465	5,415	64,167	6,875	6,196	6,167	5,208	4,581
New Mexico	1,513	1,578	18,769	1,286	1,710	1,682	1,534	1,526
New York	9,303	9,842	91,430	8,700	8,799	7,755	6,208	6,302
North Carolina	10,390	12,025	116,776	11,033	10,737	9,841	7,976	9,045
North Dakota	2,776	3,202	35,072	3,420	2,828	3,192	2,978	2,844
Ohio	29,530	33,220	309,181	30,060	26,772	23,582	21,538	21,246
Oklahoma	16,001	18,707	207,901	18,034	17,316	18,294	17,229	16,558
Oregon	4,845	5,229	54,267	4,754	4,611	4,637	4,165	4,074
Pennsylvania	21,573	23,655	231,734	22,028	20,478	18,838	16,711	17,300
Rhode Island	848	835	8,817	803	771	659	692	656
South Carolina	8,095	8,770	96,485	8,851	8,998	8,510	7,019	7,743
South Dakota	4,317	4,259	46,972	4,344	4,206	3,713	3,652	3,662
Tennessee	13,262	14,717	146,889	13,158	13,713	11,736	11,014	11,416
Texas	146,425	164,545	1,838,402	164,134	156,425	148,106	150,376	154,658
Utah	4,021	3,988	39,935	3,703	3,358	2,907	3,058	2,953
Vermont	229	254	2,284	230	212	195	162	161
Virginia	9,243	8,667	96,794	8,588	7,948	8,000	9,416	6,639
Washington	6,652	7,074	77,303	6,995	5,818	6,993	6,305	5,837
West Virginia	3,129	3,452	37,374	3,406	3,272	3,197	2,793	3,126
Wisconsin	16,639	17,695	164,613	16,380	15,755	13,480	10,914	10,997
Wyoming	5,586	6,337	66,272	6,556	6,054	5,737	5,125	4,958
Total	719,482	801,290	8,417,300	767,892	735,954	684,417	657,035	667,914

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2018-2020

(million cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	17,128	17,135	17,760	17,775	18,742	17,255	20,161
Alaska	433	379	410	367	459	549	558
Arizona	1,356	1,381	1,502	1,557	1,698	1,678	1,867
Arkansas	7,826	7,650	8,216	8,967	9,076	8,844	10,401
California	66,583	62,227	63,663	60,659	64,061	57,500	64,340
Colorado	5,403	5,342	6,145	7,493	8,202	9,224	9,743
Connecticut	1,764	1,676	1,595	1,883	2,490	2,312	2,744
Delaware	2,179	1,993	1,871	2,451	3,335	2,665	3,632
District of Columbia	--	--	--	--	--	--	--
Florida	8,517	8,262	8,706	8,927	9,784	7,823	10,038
Georgia	12,762	12,869	12,770	12,839	14,214	11,987	14,141
Hawaii	8	8	8	8	7	7	8
Idaho ^a	2,282	2,241	2,455	2,538	3,267	3,096	3,525
Illinois	17,810	16,677	17,631	21,501	24,281	23,730	28,786
Indiana	33,660	31,886	34,594	34,777	39,358	37,664	40,509
Iowa	20,430	19,242	19,468	21,051	22,800	21,379	23,574
Kansas	11,741	10,273	10,561	11,202	11,502	11,403	13,112
Kentucky	8,169	7,889	8,708	10,066	11,408	11,001	12,439
Louisiana	96,058	97,377	97,989	92,901	94,591	91,759	98,627
Maine	1,451	1,192	1,155	1,472	1,707	1,641	1,904
Maryland	1,150	951	1,260	1,285	1,780	1,418	1,780
Massachusetts	2,511	2,835	3,107	4,840	5,205	5,231	5,993
Michigan	10,874	11,259	11,778	14,810	17,609	19,641	18,764
Minnesota	11,502	10,972	12,085	13,719	15,028	15,435	16,705
Mississippi	10,459	11,086	11,498	11,880	11,707	10,686	12,042
Missouri	4,422	4,396	4,352	5,609	6,296	6,839	7,052
Montana	2,124	2,046	1,891	1,746	2,101	2,261	2,346
Nebraska	7,631	6,776	6,795	7,705	7,519	7,544	7,834
Nevada	1,828	1,535	1,518	1,647	1,851	1,675	1,823
New Hampshire	689	691	781	874	919	1,002	1,022
New Jersey	4,785	4,803	4,129	5,342	5,351	4,883	5,849
New Mexico	1,538	1,565	1,731	1,535	1,626	1,419	1,617
New York	6,236	6,320	5,806	8,180	8,752	8,779	9,592
North Carolina	8,663	8,718	8,886	9,756	10,959	9,401	11,762
North Dakota	2,818	2,719	2,469	3,111	2,854	2,865	2,974
Ohio	21,185	22,186	23,660	26,922	29,428	29,304	33,298
Oklahoma	15,238	16,019	17,615	17,675	18,122	17,413	18,387
Oregon	4,000	4,188	4,329	4,588	5,052	4,626	5,243
Pennsylvania	17,162	16,879	17,673	20,235	21,988	19,535	22,907
Rhode Island	623	652	741	809	727	843	842
South Carolina	7,522	7,614	7,816	8,243	9,038	7,633	7,498
South Dakota	3,554	3,601	3,615	4,091	3,968	4,273	4,295
Tennessee	11,090	11,544	11,519	13,050	12,423	12,280	13,945
Texas	157,290	149,036	154,422	151,073	153,610	138,219	161,055
Utah	2,953	3,165	3,236	3,463	3,374	3,813	3,953
Vermont	154	156	173	193	219	204	224
Virginia	7,825	8,179	7,834	7,619	8,261	8,245	8,239
Washington	5,627	5,768	5,914	6,219	6,670	7,533	7,624
West Virginia	3,069	2,710	2,703	2,798	3,152	3,330	3,819
Wisconsin	10,402	10,446	11,786	14,625	15,747	16,008	18,073
Wyoming	7,264	4,595	4,389	5,261	5,543	5,253	5,538
Total	667,748	649,104	670,722	697,338	737,863	699,106	782,206

^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.

-- Not applicable.

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, 2018-2020

(million cubic feet)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD					
				October	September	August	July	June
Alabama	341,965	364,076	368,617	30,535	35,983	42,608	47,915	39,978
Alaska	W	26,313	21,094	1,985	W	2,530	2,906	1,775
Arizona	331,952	299,765	240,353	36,405	39,033	44,992	44,493	35,384
Arkansas	115,255	134,730	139,750	11,475	8,917	16,114	17,024	13,147
California	507,595	464,516	506,357	70,380	68,219	82,777	61,287	41,728
Colorado	125,633	108,115	106,090	11,572	12,320	16,674	15,473	13,161
Connecticut	131,448	116,184	111,161	10,787	13,296	15,626	18,375	14,240
Delaware	25,445	25,229	33,666	1,359	2,543	4,878	5,444	3,533
District of Columbia	--	--	--	--	--	--	--	--
Florida	1,171,143	1,144,674	1,087,733	120,815	123,376	138,599	139,501	128,763
Georgia	361,683	349,442	321,052	33,303	34,185	44,768	46,606	41,274
Hawaii	--	--	--	--	--	--	--	--
Idaho	W	23,771	17,430	1,800	W	3,475	3,694	1,746
Illinois	175,758	132,267	122,287	12,582	14,160	22,998	36,854	21,958
Indiana	193,664	186,465	164,737	17,051	17,206	21,309	25,666	21,507
Iowa	38,288	43,824	41,519	3,222	4,145	3,845	7,349	4,541
Kansas	23,638	27,336	25,602	4,025	1,777	3,280	4,063	2,456
Kentucky	89,741	91,156	97,607	9,293	5,768	10,878	15,746	10,873
Louisiana	315,819	314,951	268,526	32,488	31,101	37,362	42,665	33,586
Maine	W	W	12,432	744	778	1,177	1,981	1,528
Maryland	82,690	86,710	85,030	8,698	7,138	9,413	12,314	8,243
Massachusetts	88,019	99,315	117,496	8,164	8,317	13,558	17,661	8,436
Michigan	246,198	234,586	220,788	22,442	21,763	27,026	36,061	24,886
Minnesota	71,640	65,450	57,085	6,367	7,218	8,180	11,640	7,477
Mississippi	330,972	312,171	324,072	30,576	33,265	40,200	40,356	35,682
Missouri	63,053	57,569	54,432	5,356	6,282	8,861	11,643	6,992
Montana	W	4,746	3,929	358	W	W	519	W
Nebraska	W	W	8,077	1,251	2,032	1,783	2,761	1,554
Nevada	174,476	162,180	172,675	17,393	20,592	24,070	21,767	17,600
New Hampshire	23,656	21,854	19,681	2,433	3,044	3,160	4,506	2,871
New Jersey	199,007	250,762	244,281	19,059	18,137	27,623	32,990	21,565
New Mexico	89,770	88,156	81,388	8,662	9,998	12,200	11,569	7,919
New York	358,543	336,265	356,362	30,285	39,178	52,395	62,412	39,189
North Carolina	257,787	261,302	278,335	22,838	24,414	30,565	33,686	25,637
North Dakota	W	10,915	8,710	1,358	W	1,699	1,919	1,331
Ohio	313,357	305,829	263,543	22,558	30,618	36,292	40,711	30,067
Oklahoma	300,749	288,807	275,941	22,691	28,483	38,950	46,047	32,673
Oregon	107,338	117,489	97,881	12,413	13,462	13,117	10,270	4,157
Pennsylvania	703,512	563,617	454,758	67,116	78,133	91,745	96,913	72,508
Rhode Island	47,543	47,587	49,491	3,696	5,602	6,456	6,174	5,672
South Carolina	159,411	158,727	146,180	13,214	15,925	18,818	21,116	15,136
South Dakota	W	W	7,822	821	W	1,242	1,776	W
Tennessee	91,360	98,843	87,416	7,223	8,953	10,050	14,261	9,763
Texas	1,539,586	1,502,643	1,424,755	144,721	165,318	204,726	211,286	169,430
Utah	56,191	56,411	49,986	5,671	7,081	8,474	7,360	5,243
Vermont	12	11	10	1	1	2	1	1
Virginia	385,872	347,957	297,200	33,041	36,870	45,323	49,433	38,474
Washington	82,482	83,431	68,980	9,346	10,975	10,963	7,971	3,493
West Virginia	18,191	14,059	9,797	2,814	1,076	2,538	3,324	2,419
Wisconsin	134,215	130,973	110,173	12,939	11,413	15,345	16,565	14,176
Wyoming	W	2,561	1,479	512	620	1,435	848	331
Total	9,976,330	9,591,381	9,063,765	953,839	1,037,317	1,280,547	1,372,903	1,045,391

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2018-2020

(million cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	30,789	21,675	31,862	30,569	30,050	420,582	27,336	29,169
Alaska	1,281	1,674	2,061	2,032	2,448	31,914	2,991	2,610
Arizona	32,569	25,210	21,144	25,483	27,239	356,102	31,145	25,191
Arkansas	8,563	7,287	10,707	9,322	12,698	155,001	9,301	10,970
California	28,872	29,838	43,329	38,341	42,824	578,056	56,766	56,775
Colorado	9,468	11,161	12,985	12,092	10,725	130,185	11,114	10,956
Connecticut	10,472	11,464	11,533	12,264	13,391	142,297	14,456	11,657
Delaware	1,802	2,024	1,066	1,280	1,516	27,550	862	1,459
District of Columbia	--	--	--	--	--	--	--	--
Florida	109,924	107,240	110,061	96,212	96,652	1,323,826	91,248	87,903
Georgia	36,149	27,530	29,001	34,635	34,232	413,444	31,691	32,311
Hawaii	--	--	--	--	--	--	--	--
Idaho	1,186	1,416	2,681	3,041	3,536	29,743	3,201	2,771
Illinois	11,018	11,458	14,705	14,087	15,938	152,786	11,235	9,284
Indiana	16,871	15,832	18,717	18,777	20,728	225,699	20,752	18,482
Iowa	3,560	2,052	1,747	4,184	3,643	51,759	4,456	3,478
Kansas	1,101	1,571	2,581	1,476	1,308	29,895	1,256	1,304
Kentucky	9,025	6,846	4,664	7,541	9,107	109,097	8,399	9,542
Louisiana	30,137	27,484	29,386	26,484	25,126	356,088	20,856	20,280
Maine	881	518	W	436	625	9,249	585	482
Maryland	5,578	7,311	8,886	8,866	6,242	98,990	6,135	6,145
Massachusetts	3,480	4,395	4,387	8,698	10,924	118,394	11,203	7,875
Michigan	19,661	18,724	22,089	25,044	28,503	280,764	23,915	22,263
Minnesota	4,863	5,128	5,801	6,294	8,674	75,692	5,864	4,377
Mississippi	33,743	27,772	26,783	31,771	30,823	367,497	27,926	27,400
Missouri	3,774	3,844	5,292	4,861	6,148	64,173	4,089	2,516
Montana	278	278	370	299	367	5,659	460	453
Nebraska	W	484	857	744	996	11,384	623	459
Nevada	14,768	13,468	15,115	14,019	15,683	193,078	16,193	14,705
New Hampshire	1,149	1,741	1,289	1,460	2,004	25,460	1,950	1,656
New Jersey	12,794	14,960	16,648	16,514	18,717	299,524	24,475	24,286
New Mexico	7,456	7,420	8,356	7,772	8,419	104,225	8,890	7,179
New York	23,512	21,104	28,948	29,390	32,130	398,926	32,383	30,278
North Carolina	21,539	15,106	26,173	29,069	28,760	307,876	23,234	23,340
North Dakota	933	1,338	1,463	1,376	1,562	13,130	1,199	1,016
Ohio	26,999	27,338	32,902	31,268	34,603	361,931	31,353	24,750
Oklahoma	27,518	20,723	26,140	27,839	29,686	338,401	28,090	21,504
Oregon	2,992	11,033	14,268	11,342	14,283	145,920	15,141	13,289
Pennsylvania	52,711	48,353	62,418	63,940	69,675	675,004	60,485	50,902
Rhode Island	3,852	3,659	3,863	4,089	4,481	56,026	4,193	4,245
South Carolina	15,967	15,041	14,931	14,498	14,764	186,297	14,314	13,257
South Dakota	W	W	749	713	900	10,589	798	634
Tennessee	6,615	5,923	8,186	10,265	10,122	118,464	9,357	10,264
Texas	142,928	116,932	126,696	127,568	129,982	1,750,596	128,744	119,209
Utah	3,972	2,893	3,949	5,682	5,867	67,774	5,974	5,390
Vermont	2	1	1	2	1	12	1	--
Virginia	35,823	34,096	37,441	35,831	39,538	410,865	36,301	26,607
Washington	3,332	9,089	10,281	7,328	9,703	102,792	11,251	8,110
West Virginia	2,093	1,372	1,410	554	592	15,154	222	873
Wisconsin	10,338	11,490	14,106	12,952	14,891	156,400	13,843	11,583
Wyoming	W	235	410	321	402	3,159	321	277
Total	833,696	763,956	878,828	878,627	931,227	11,307,426	896,577	819,468

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	35,097	43,906	45,729	45,184	39,758	37,141	27,452	34,499
Alaska	2,788	3,031	3,731	3,666	2,299	1,483	2,055	2,365
Arizona	33,369	36,494	42,432	40,838	33,041	23,524	25,774	22,993
Arkansas	15,055	14,469	18,503	17,649	15,221	11,724	9,874	10,143
California	57,110	59,584	68,980	57,417	34,050	24,066	27,541	39,440
Colorado	8,866	10,384	14,264	15,123	10,129	9,582	8,839	9,977
Connecticut	9,597	11,659	14,617	16,258	11,534	10,411	10,868	10,081
Delaware	1,775	2,470	4,427	5,473	2,502	1,969	1,820	2,298
District of Columbia	--	--	--	--	--	--	--	--
Florida	123,695	130,300	135,556	132,013	126,815	124,366	101,353	95,064
Georgia	36,248	40,793	45,230	42,770	37,199	33,992	29,580	24,867
Hawaii	--	--	--	--	--	--	--	--
Idaho	1,781	2,984	3,957	3,826	2,325	824	1,209	1,472
Illinois	13,062	14,067	19,497	26,151	13,274	8,285	10,835	9,265
Indiana	19,806	20,013	21,641	23,338	18,506	15,319	14,395	17,467
Iowa	3,680	5,182	7,476	7,403	4,284	2,796	2,655	3,499
Kansas	3,435	3,551	4,675	4,083	3,182	3,215	1,533	1,117
Kentucky	11,838	10,585	10,025	11,824	8,187	7,788	6,338	9,041
Louisiana	29,808	35,250	40,432	41,062	37,958	31,477	29,309	22,645
Maine	748	937	1,068	1,381	757	585	W	750
Maryland	8,214	8,057	10,352	11,838	8,122	7,818	6,785	10,280
Massachusetts	8,564	8,824	12,255	16,096	8,469	6,342	7,336	9,796
Michigan	25,948	23,480	31,962	31,934	20,548	19,149	20,857	19,996
Minnesota	6,626	7,086	10,152	10,076	6,002	4,059	5,358	5,443
Mississippi	30,340	37,653	42,294	41,123	29,953	30,927	25,132	24,399
Missouri	5,770	6,572	8,273	9,009	6,146	5,363	4,273	4,640
Montana	507	533	749	627	326	254	248	349
Nebraska	1,001	1,331	2,426	2,311	846	585	W	576
Nevada	14,874	18,258	23,505	21,718	18,006	12,718	12,314	13,366
New Hampshire	3,430	2,267	3,855	4,249	2,499	272	1,876	1,552
New Jersey	24,537	25,871	31,321	34,298	25,443	20,995	23,279	20,943
New Mexico	8,620	9,834	12,669	11,168	8,630	7,764	7,490	7,020
New York	29,067	33,727	47,323	56,213	33,357	24,173	24,743	27,326
North Carolina	25,814	28,528	30,711	31,074	25,250	23,035	20,330	25,073
North Dakota	1,215	1,323	1,687	1,668	1,028	642	870	819
Ohio	27,644	31,122	35,934	37,477	31,306	25,848	27,356	30,521
Oklahoma	25,804	34,743	45,834	41,677	32,696	20,562	20,239	20,462
Oregon	13,329	14,317	15,484	15,044	8,796	3,129	8,329	13,046
Pennsylvania	60,014	62,382	72,582	75,601	57,750	48,335	35,429	49,870
Rhode Island	4,857	4,917	6,465	6,526	5,028	4,872	3,757	4,311
South Carolina	14,971	18,421	20,454	20,764	17,798	16,301	12,971	11,690
South Dakota	1,057	1,234	1,823	1,786	830	W	W	489
Tennessee	7,118	11,872	12,447	12,548	10,967	10,524	4,712	10,396
Texas	143,993	185,513	217,812	194,954	166,980	144,980	103,176	112,132
Utah	4,569	5,215	7,458	7,544	5,633	5,088	3,736	6,281
Vermont	2	--	*	2	3	--	1	2
Virginia	27,302	38,295	46,004	47,309	39,089	25,468	24,181	31,564
Washington	9,028	11,637	13,907	12,929	6,520	3,034	5,346	6,537
West Virginia	3,651	2,386	2,276	2,045	1,241	731	678	419
Wisconsin	14,028	13,491	17,570	17,672	12,768	9,177	12,114	11,647
Wyoming	221	238	475	486	200	206	140	209
Total	959,873	1,094,787	1,288,300	1,273,225	993,253	831,234	735,698	798,136

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019		Total	2018				
	February	January		December	November	October	September	August
Alabama	27,454	27,856	430,906	30,691	31,598	36,929	42,871	42,422
Alaska	2,253	2,641	25,393	2,238	2,061	1,649	1,992	2,080
Arizona	19,527	21,773	284,651	22,760	21,538	29,070	35,544	38,223
Arkansas	12,558	9,533	152,665	5,702	7,213	13,280	11,207	15,770
California	47,018	49,309	614,722	53,379	54,987	60,861	54,342	74,280
Colorado	10,849	10,102	125,894	10,029	9,776	9,781	11,069	12,209
Connecticut	9,878	11,279	136,075	12,669	12,245	12,239	12,458	15,046
Delaware	1,317	1,178	36,328	1,233	1,429	3,911	3,893	5,304
District of Columbia	--	--	--	--	--	--	--	--
Florida	85,791	89,722	1,266,822	84,364	94,725	119,902	129,251	129,082
Georgia	28,348	30,417	373,647	27,801	24,793	30,715	36,328	36,694
Hawaii	--	--	--	--	--	--	--	--
Idaho	2,534	2,858	23,683	3,300	2,952	1,151	3,066	2,797
Illinois	8,226	9,604	139,048	7,044	9,717	8,865	15,149	17,615
Indiana	17,270	18,710	196,219	15,919	15,562	14,238	15,436	18,788
Iowa	3,295	3,555	47,070	3,321	2,230	3,031	4,778	4,901
Kansas	1,234	1,311	28,281	1,208	1,471	1,949	1,906	2,354
Kentucky	6,075	9,455	112,656	6,173	8,876	9,602	11,342	10,870
Louisiana	21,437	25,573	300,919	16,112	16,280	27,389	30,324	31,130
Maine	794	897	13,747	474	841	1,898	1,187	2,419
Maryland	7,994	7,250	97,671	6,831	5,810	10,513	11,176	11,689
Massachusetts	10,082	11,550	133,711	8,503	7,713	10,301	12,540	19,753
Michigan	18,757	21,955	254,337	17,529	16,020	18,716	20,553	23,924
Minnesota	6,240	4,408	63,110	2,736	3,289	2,894	6,079	8,454
Mississippi	24,432	25,918	367,855	19,540	24,243	23,618	33,632	38,441
Missouri	3,530	3,993	62,977	3,425	5,119	5,882	5,134	6,371
Montana	652	501	5,129	655	544	418	401	628
Nebraska	399	414	9,196	357	762	1,172	437	1,082
Nevada	12,971	14,451	199,840	13,504	13,661	15,190	20,338	23,829
New Hampshire	607	1,248	21,563	502	1,380	3,203	2,249	4,153
New Jersey	21,583	22,493	285,296	21,319	19,697	23,624	29,346	34,549
New Mexico	7,254	7,707	98,438	9,575	7,475	6,775	9,086	10,391
New York	29,106	31,229	415,495	29,602	29,531	34,837	41,507	56,497
North Carolina	26,451	25,036	330,119	25,036	26,748	28,721	30,175	33,503
North Dakota	750	913	9,873	576	587	765	910	977
Ohio	29,419	29,201	322,926	30,879	28,504	27,755	27,066	31,534
Oklahoma	21,723	25,067	317,128	19,356	21,830	22,372	31,260	36,743
Oregon	12,257	13,759	123,365	13,025	12,460	11,349	14,148	15,492
Pennsylvania	49,241	52,413	538,527	43,478	40,291	47,756	53,313	60,399
Rhode Island	3,311	3,543	57,260	3,661	4,109	6,448	6,937	7,761
South Carolina	12,736	12,619	173,518	10,995	16,343	16,842	21,711	19,933
South Dakota	473	594	9,099	533	745	347	554	989
Tennessee	8,881	9,378	103,092	7,344	8,332	9,675	11,717	11,626
Texas	105,531	127,571	1,643,854	113,249	105,850	126,829	151,010	189,239
Utah	5,424	5,462	61,161	5,858	5,317	6,035	6,013	8,060
Vermont	1	1	11	*	1	1	1	*
Virginia	34,104	34,642	357,021	32,319	27,502	21,233	34,815	37,580
Washington	5,315	9,177	76,549	6,135	1,433	6,018	12,021	13,307
West Virginia	223	411	10,725	201	727	1,464	1,790	1,396
Wisconsin	10,768	11,738	129,494	10,911	8,411	10,424	11,600	15,031
Wyoming	265	120	1,873	170	224	179	136	213
Total	776,339	840,537	10,588,937	762,221	762,951	887,814	1,029,799	1,185,530

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2018-2020

(million cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	44,173	38,610	39,503	33,626	31,064	25,181	34,239
Alaska	2,149	1,962	2,106	1,958	2,344	2,256	2,598
Arizona	36,701	27,027	20,670	17,335	11,912	11,957	11,913
Arkansas	17,779	16,404	15,356	13,536	13,378	11,405	11,635
California	81,991	41,128	28,895	32,377	43,596	41,978	46,910
Colorado	14,105	11,965	10,469	7,574	8,390	10,025	10,504
Connecticut	14,127	11,424	8,641	8,846	10,459	8,891	9,029
Delaware	3,614	2,332	3,222	3,604	3,456	2,556	1,774
District of Columbia	--	--	--	--	--	--	--
Florida	129,387	117,564	103,489	94,955	91,207	82,625	90,270
Georgia	38,986	34,627	32,021	22,534	27,811	28,617	32,719
Hawaii	--	--	--	--	--	--	--
Idaho	3,284	1,232	410	924	1,495	1,205	1,865
Illinois	18,653	13,746	12,898	6,558	11,164	7,007	10,632
Indiana	20,088	18,351	18,545	14,905	14,510	13,439	16,437
Iowa	6,082	4,372	5,176	4,267	3,422	2,575	2,915
Kansas	3,202	3,616	4,845	2,485	2,168	1,646	1,429
Kentucky	11,058	8,104	9,058	7,011	9,025	6,841	14,698
Louisiana	34,918	30,696	28,966	21,399	19,373	19,124	25,206
Maine	1,980	1,280	1,002	715	1,096	356	498
Maryland	10,666	7,891	10,708	7,212	6,623	5,265	3,287
Massachusetts	17,816	9,180	7,301	7,424	11,667	10,576	10,938
Michigan	23,241	20,289	24,888	23,219	24,925	18,304	22,730
Minnesota	9,215	6,401	6,176	4,867	5,105	3,981	3,914
Mississippi	39,516	33,962	34,006	31,457	26,620	26,359	36,461
Missouri	7,352	6,714	6,589	2,270	4,674	4,186	5,259
Montana	520	328	343	302	296	334	359
Nebraska	1,573	1,125	1,349	367	439	250	282
Nevada	25,113	19,281	14,330	13,244	13,553	13,050	14,748
New Hampshire	4,186	3,043	850	616	242	223	916
New Jersey	34,987	23,216	21,210	21,481	22,598	18,773	14,497
New Mexico	10,524	9,989	8,953	7,766	6,276	6,008	5,619
New York	53,471	35,538	30,309	26,174	26,336	23,914	27,781
North Carolina	36,621	29,061	23,995	20,485	28,303	23,145	24,328
North Dakota	1,291	1,060	1,021	731	777	592	586
Ohio	29,115	25,148	23,222	23,560	25,061	23,791	27,291
Oklahoma	42,485	35,943	34,337	20,959	16,046	18,014	17,781
Oregon	14,300	4,921	2,024	6,282	11,243	7,733	10,389
Pennsylvania	56,927	46,422	36,867	36,904	41,243	37,278	37,650
Rhode Island	6,792	5,077	4,170	3,640	3,143	2,909	2,614
South Carolina	20,491	16,625	11,654	9,136	10,714	7,360	11,714
South Dakota	1,407	982	1,363	625	394	692	470
Tennessee	11,584	9,216	5,163	5,800	7,570	5,583	9,481
Texas	208,167	160,952	150,012	101,037	108,287	105,899	123,323
Utah	8,251	4,478	3,814	3,253	3,015	3,266	3,801
Vermont	2	2	*	2	1	1	--
Virginia	36,519	35,073	26,834	19,806	27,803	29,317	28,221
Washington	12,641	4,572	2,378	3,294	5,907	3,998	4,845
West Virginia	1,347	791	922	1,091	251	242	504
Wisconsin	14,857	10,701	7,885	6,170	11,498	11,126	10,881
Wyoming	257	133	141	138	51	170	61
Total	1,223,514	952,554	848,085	703,919	756,528	690,022	786,001

^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, 2018-2020
(million cubic feet)

State	2020	2019	2018	2020				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	552,037	586,060	591,313	51,686	54,373	61,608	65,812	57,178
Alaska	NA	63,568	50,592	6,573	5,094	4,952	5,086	NA
Arizona	408,472	376,755	308,075	42,067	43,812	49,612	49,565	40,426
Arkansas	266,127	288,298	295,092	25,037	20,673	27,416	28,488	24,001
California	NA	1,689,255	1,686,502	172,144	168,549	181,933	159,573	136,099
Colorado	331,216	330,429	306,716	33,182	24,306	26,224	24,665	23,743
Connecticut	NA	216,378	214,871	NA	18,447	20,760	23,714	19,471
Delaware	NA	72,364	78,974	5,866	6,203	NA	9,026	7,069
District of Columbia	NA	20,730	22,478	1,173	NA	910	956	961
Florida	NA	1,312,024	1,245,909	NA	NA	154,238	154,589	NA
Georgia	611,944	608,763	588,344	53,760	53,153	63,932	64,927	59,178
Hawaii	2,019	2,765	2,742	182	169	181	188	174
Idaho	91,112	92,635	77,734	8,894	7,872	7,375	7,720	6,080
Illinois	NA	854,311	833,885	73,021	NA	54,918	69,411	55,621
Indiana	656,012	704,826	673,363	61,851	52,812	54,468	57,344	52,113
Iowa	NA	344,139	345,956	32,056	26,008	24,959	NA	24,042
Kansas	209,082	216,730	212,172	22,140	14,312	17,812	18,695	16,413
Kentucky	239,391	252,090	258,336	22,786	16,106	21,469	25,361	20,668
Louisiana	NA	1,317,070	1,278,065	NA	NA	134,788	NA	131,840
Maine	NA	34,771	37,067	NA	NA	3,181	3,921	3,661
Maryland	NA	217,299	222,253	18,090	14,332	NA	18,938	14,940
Massachusetts	NA	327,274	342,389	NA	17,832	NA	27,092	17,225
Michigan	728,807	754,945	734,590	69,427	47,494	48,406	55,674	44,797
Minnesota	NA	388,928	373,761	34,824	NA	23,519	25,900	NA
Mississippi	NA	452,170	469,380	43,369	43,969	51,495	52,309	47,215
Missouri	230,760	241,803	239,803	17,944	15,349	17,384	19,698	15,496
Montana	NA	62,910	60,973	NA	3,733	3,601	3,862	4,245
Nebraska	NA	138,926	139,741	14,125	11,967	12,093	13,329	10,775
Nevada	NA	244,516	246,855	23,288	25,610	28,741	26,811	22,663
New Hampshire	42,873	43,682	40,830	3,727	4,188	4,179	5,505	3,900
New Jersey	NA	592,806	607,925	39,386	34,108	41,983	50,543	40,625
New Mexico	NA	154,666	138,836	14,056	13,972	15,784	15,070	11,274
New York	966,445	1,005,422	1,044,541	70,881	69,592	81,545	92,283	70,309
North Carolina	NA	447,781	468,082	37,762	37,259	42,867	NA	NA
North Dakota	67,273	61,914	57,281	5,883	5,254	5,650	5,581	5,100
Ohio	863,746	891,532	864,081	66,123	59,814	67,002	70,711	60,448
Oklahoma	NA	549,508	530,681	45,469	49,219	59,493	NA	52,845
Oregon	206,407	223,811	194,195	21,983	19,600	19,256	16,445	10,892
Pennsylvania	1,148,303	1,059,353	954,005	102,539	103,237	115,790	120,516	98,771
Rhode Island	75,429	78,324	81,151	5,179	7,014	7,766	7,473	7,006
South Carolina	272,508	275,668	266,355	23,672	25,168	27,795	29,955	23,869
South Dakota	64,635	67,664	66,180	5,849	5,689	5,552	5,652	4,562
Tennessee	NA	308,967	304,180	25,015	24,355	25,053	28,457	24,273
Texas	NA	3,313,083	3,278,521	NA	334,024	376,947	383,584	NA
Utah	NA	179,893	159,558	12,768	13,621	NA	13,844	12,958
Vermont	9,879	10,652	10,369	778	601	633	595	587
Virginia	NA	546,482	501,800	49,689	NA	NA	62,814	51,489
Washington	NA	260,267	237,284	27,250	21,890	21,216	18,021	14,374
West Virginia	NA	79,185	78,784	8,374	5,432	6,762	7,150	6,664
Wisconsin	427,321	448,224	423,308	43,768	28,160	30,443	31,168	28,517
Wyoming	NA	72,341	74,957	7,518	NA	6,436	6,218	5,386
Total	22,614,516	22,883,961	22,320,834	2,106,701	1,960,349	2,180,047	2,265,712	1,924,855

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2018-2020

(million cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	49,012	41,055	54,084	58,085	59,144	693,175	54,470	52,645
Alaska	NA	NA	8,006	8,461	10,194	80,374	9,041	7,765
Arizona	37,915	32,433	31,312	38,627	42,703	453,068	43,211	33,101
Arkansas	21,734	21,820	30,465	30,203	36,289	349,156	30,603	30,255
California	126,409	NA	183,374	172,560	212,357	2,093,641	211,218	193,167
Colorado	23,126	35,183	39,485	50,501	50,801	426,653	51,854	44,370
Connecticut	17,653	22,659	25,202	30,009	32,210	276,890	33,791	26,721
Delaware	6,071	NA	NA	NA	9,744	88,649	8,310	7,975
District of Columbia	1,305	2,033	2,678	3,758	4,225	28,645	4,607	3,309
Florida	NA	123,698	NA	114,870	NA	1,528,405	111,302	105,079
Georgia	56,568	50,384	56,337	75,237	78,470	748,044	71,622	67,658
Hawaii	160	180	251	252	280	3,277	268	243
Idaho	5,814	7,604	11,342	13,661	14,751	120,174	14,572	12,967
Illinois	60,474	81,501	110,125	139,983	146,827	1,105,548	130,382	120,855
Indiana	54,075	58,934	76,505	90,053	97,857	883,160	93,330	85,005
Iowa	26,743	29,614	36,773	44,946	48,391	431,050	45,046	41,866
Kansas	15,145	19,771	23,452	29,010	32,332	271,173	29,253	25,191
Kentucky	20,411	20,970	23,130	33,101	35,390	316,999	32,625	32,284
Louisiana	127,024	121,582	129,326	128,432	NA	1,570,593	131,257	122,266
Maine	3,494	3,471	3,843	4,421	4,885	43,326	4,590	3,964
Maryland	14,688	19,644	25,644	31,313	32,934	275,864	31,762	26,802
Massachusetts	17,472	29,257	34,256	46,232	51,708	423,918	54,841	41,802
Michigan	52,371	71,140	94,528	120,210	124,760	968,460	111,425	102,091
Minnesota	24,376	NA	47,039	NA	NA	496,642	59,721	47,993
Mississippi	45,380	NA	42,055	50,087	50,357	541,981	45,851	43,960
Missouri	14,570	18,726	27,591	39,717	44,284	308,549	36,509	30,237
Montana	5,129	6,077	7,958	8,864	9,764	81,070	9,493	8,667
Nebraska	9,812	NA	17,168	19,100	23,190	178,246	18,780	20,539
Nevada	20,078	20,654	NA	26,405	30,226	298,178	29,864	23,798
New Hampshire	2,566	3,925	4,106	4,997	5,780	53,464	5,845	3,938
New Jersey	35,465	50,969	59,820	70,063	NA	759,439	91,784	74,848
New Mexico	10,947	12,713	17,760	NA	21,179	194,853	22,701	17,486
New York	71,594	92,712	119,072	142,658	155,797	1,286,596	154,470	126,703
North Carolina	35,395	30,634	46,884	57,511	61,733	553,808	54,298	51,730
North Dakota	4,748	6,871	8,464	9,221	10,501	77,802	8,874	7,014
Ohio	70,226	87,582	110,594	134,037	137,209	1,128,131	128,444	108,155
Oklahoma	49,746	46,365	55,273	64,310	68,304	667,809	64,806	53,494
Oregon	10,776	20,853	29,077	26,772	30,754	283,285	31,740	27,733
Pennsylvania	87,937	96,574	123,519	143,268	156,152	1,323,927	148,828	115,746
Rhode Island	5,900	7,272	8,103	9,415	10,303	97,248	10,071	8,853
South Carolina	25,587	24,907	27,914	30,850	32,792	335,120	30,866	28,586
South Dakota	4,301	6,100	7,636	9,026	10,269	84,818	9,374	7,779
Tennessee	NA	24,685	NA	44,867	45,428	391,301	41,744	40,589
Texas	310,387	287,481	322,496	340,107	357,210	3,977,685	349,525	315,077
Utah	12,017	NA	18,590	26,766	29,015	232,719	30,476	22,351
Vermont	748	1,075	1,377	1,660	1,826	13,863	1,774	1,437
Virginia	NA	50,326	NA	NA	72,599	665,412	67,601	51,329
Washington	15,761	25,409	NA	NA	37,945	332,431	39,379	32,785
West Virginia	6,841	NA	9,215	10,920	NA	99,180	10,160	9,835
Wisconsin	31,590	42,501	55,549	65,825	69,799	572,662	65,475	58,964
Wyoming	5,868	8,053	NA	9,254	9,963	91,981	10,432	9,208
Total	1,859,668	2,025,166	2,466,052	2,790,939	3,035,028	28,308,442	2,888,266	2,536,215

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	54,962	62,098	64,663	64,620	59,750	57,880	48,361	60,634
Alaska	6,824	5,839	5,718	5,687	4,410	4,433	5,831	7,379
Arizona	39,139	40,994	46,828	45,431	38,104	29,707	32,756	33,902
Arkansas	28,219	25,702	29,566	30,088	26,953	25,256	24,419	31,780
California	172,788	164,347	176,491	161,939	133,348	139,686	137,278	180,449
Colorado	31,201	20,731	24,229	22,526	22,303	28,344	30,431	47,134
Connecticut	16,961	16,969	19,833	21,498	16,806	17,394	20,486	26,363
Delaware	5,824	5,961	7,818	8,734	5,949	5,746	5,847	8,722
District of Columbia	972	1,026	1,155	932	1,011	1,277	1,781	3,625
Florida	139,765	145,328	151,124	146,609	142,269	141,416	119,020	112,980
Georgia	57,540	58,615	63,627	65,272	55,725	53,829	52,480	59,674
Hawaii	269	265	282	290	253	279	279	278
Idaho	10,748	7,945	7,992	7,762	6,473	5,665	7,269	10,602
Illinois	70,933	46,805	53,854	60,200	49,424	59,839	80,088	126,911
Indiana	65,487	55,689	59,223	59,976	54,195	57,901	64,310	90,921
Iowa	32,335	26,417	30,353	28,234	26,880	29,045	30,831	43,020
Kansas	19,460	16,716	19,015	18,752	16,256	16,442	15,723	26,462
Kentucky	25,246	20,874	21,291	22,297	18,802	19,641	20,635	33,413
Louisiana	126,450	129,928	137,194	136,132	134,130	134,290	129,810	127,344
Maine	3,252	2,845	2,792	3,070	2,552	2,915	3,082	4,393
Maryland	15,629	14,397	16,458	18,606	14,564	15,934	16,751	33,182
Massachusetts	23,789	19,516	21,878	25,120	18,396	22,694	30,555	49,056
Michigan	68,212	45,643	53,772	53,356	44,566	55,309	74,055	109,832
Minnesota	33,923	24,360	26,942	27,528	24,095	28,198	38,953	54,071
Mississippi	42,746	49,874	54,963	53,794	41,367	43,749	39,274	41,298
Missouri	21,342	14,849	16,538	17,301	14,737	16,153	18,627	34,932
Montana	5,831	3,986	3,674	4,034	4,156	4,805	5,641	9,111
Nebraska	12,728	9,845	11,838	11,597	9,645	11,371	11,444	17,853
Nevada	21,648	23,336	28,415	26,870	23,469	19,008	19,677	25,328
New Hampshire	4,855	3,447	4,960	5,337	3,688	1,942	4,134	5,030
New Jersey	47,568	42,187	47,499	50,862	42,340	42,941	53,223	80,841
New Mexico	15,012	13,396	16,331	14,537	12,353	12,635	13,370	16,042
New York	69,838	64,810	78,246	87,400	65,604	69,607	89,448	145,710
North Carolina	40,549	40,829	43,408	42,967	38,283	36,315	36,638	53,007
North Dakota	4,865	4,783	5,377	5,310	4,885	5,101	5,954	7,780
Ohio	71,182	62,503	66,989	68,610	59,238	66,061	83,435	128,659
Oklahoma	48,640	54,069	65,341	60,908	53,333	43,136	44,283	55,123
Oregon	25,647	21,552	21,856	21,168	15,371	10,766	18,794	27,936
Pennsylvania	97,947	93,160	103,859	100,410	83,610	79,832	77,949	129,639
Rhode Island	7,041	6,306	7,762	7,785	6,445	7,002	6,821	9,627
South Carolina	25,337	27,365	29,804	30,304	26,988	25,834	24,077	26,724
South Dakota	5,653	5,242	5,972	6,046	5,277	5,280	6,349	8,362
Tennessee	24,199	26,239	26,910	27,118	26,187	25,828	23,268	40,569
Texas	308,637	341,073	382,909	360,330	328,708	310,217	280,575	322,073
Utah	14,197	11,785	13,191	14,238	12,486	16,471	14,028	24,519
Vermont	781	622	607	597	631	733	1,078	1,628
Virginia	41,506	51,305	59,267	60,253	52,069	39,305	41,295	59,871
Washington	30,061	23,465	23,910	23,142	17,258	15,556	22,215	30,811
West Virginia	9,241	6,366	6,441	6,181	5,213	5,681	6,577	10,964
Wisconsin	42,348	29,526	33,459	33,107	29,378	32,882	44,453	60,837
Wyoming	6,907	5,333	5,702	5,970	5,818	6,665	6,607	8,939
Total	2,096,233	1,996,263	2,207,326	2,180,835	1,905,754	1,907,998	1,990,267	2,665,341

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2018-2020

(million cubic feet) – continued

State	2019			2018				
	February	January	Total	December	November	October	September	August
Alabama	51,449	61,642	711,408	60,996	59,098	58,325	61,609	61,427
Alaska	8,148	9,298	64,383	7,487	6,303	4,477	3,914	3,660
Arizona	32,996	36,899	372,412	34,637	29,700	34,652	39,979	42,730
Arkansas	32,680	33,634	349,836	27,751	26,993	27,654	23,143	28,090
California	211,208	211,720	2,078,116	211,736	179,877	168,809	160,657	178,351
Colorado	49,943	53,586	399,861	51,971	41,173	29,781	21,672	22,095
Connecticut	27,612	32,454	272,139	30,380	26,888	20,900	17,952	20,588
Delaware	8,143	9,619	94,781	7,962	7,845	8,098	6,817	8,282
District of Columbia	4,354	4,595	30,172	4,209	3,485	1,879	993	1,232
Florida	103,430	110,083	1,460,090	103,208	110,974	134,703	143,684	143,541
Georgia	62,289	79,712	723,747	72,230	63,172	53,277	54,730	56,339
Hawaii	268	302	3,280	273	266	272	257	281
Idaho	13,476	14,704	105,100	14,932	12,434	7,752	7,401	6,481
Illinois	140,118	166,138	1,081,636	127,534	120,218	71,261	50,731	51,981
Indiana	90,289	106,835	845,768	89,356	83,049	55,325	50,014	55,142
Iowa	46,382	50,640	430,947	43,711	41,281	32,760	27,570	28,520
Kansas	32,901	35,002	268,842	29,989	26,681	17,221	14,100	15,883
Kentucky	29,665	40,226	320,636	30,621	31,680	23,988	21,388	21,141
Louisiana	122,886	138,907	1,522,103	125,100	118,938	126,183	129,810	129,966
Maine	4,653	5,217	45,644	4,333	4,244	4,547	3,172	4,209
Maryland	33,414	38,363	277,976	30,199	25,524	21,292	17,315	17,857
Massachusetts	53,142	63,127	430,438	48,068	39,981	25,868	22,131	28,736
Michigan	114,243	135,956	937,882	108,209	95,082	65,653	43,003	46,593
Minnesota	64,770	66,088	476,552	54,636	48,156	31,273	23,114	25,021
Mississippi	39,830	45,275	548,312	37,711	41,221	37,065	45,872	51,043
Missouri	40,689	46,635	313,445	37,715	35,927	20,569	13,686	14,898
Montana	11,848	9,825	79,300	9,924	8,403	6,196	4,105	3,967
Nebraska	21,268	21,338	176,591	19,155	17,694	13,570	9,463	9,629
Nevada	27,406	29,359	295,836	26,396	22,585	21,241	25,361	28,560
New Hampshire	4,487	5,803	49,742	4,291	4,621	4,704	3,414	5,238
New Jersey	87,978	97,366	764,821	87,450	69,445	49,491	45,130	49,844
New Mexico	18,952	22,040	177,817	21,885	17,096	12,378	12,477	13,906
New York	153,419	181,340	1,323,790	147,807	131,442	89,402	74,016	87,870
North Carolina	53,523	62,261	579,515	56,658	54,774	45,054	41,613	45,746
North Dakota	8,756	9,104	72,080	7,898	6,901	6,041	4,429	4,313
Ohio	131,899	152,958	1,112,829	130,988	117,760	80,273	59,074	62,753
Oklahoma	57,924	66,752	640,960	56,359	53,921	45,137	51,438	56,133
Oregon	29,973	30,749	249,324	29,430	25,699	20,589	20,732	21,463
Pennsylvania	134,488	158,460	1,189,902	125,515	110,381	90,611	79,962	87,136
Rhode Island	9,070	10,466	99,431	9,466	8,815	9,207	8,324	9,106
South Carolina	27,618	31,616	327,664	28,881	32,428	28,217	30,464	29,492
South Dakota	9,817	9,666	82,924	8,844	7,900	5,852	4,755	5,143
Tennessee	38,873	49,777	383,698	42,046	37,472	27,026	26,168	26,071
Texas	314,288	364,272	3,925,242	339,066	307,654	297,020	318,178	360,546
Utah	28,045	30,933	211,227	28,828	22,840	16,568	12,102	13,819
Vermont	1,820	2,154	13,732	1,816	1,547	1,004	642	599
Virginia	67,385	74,226	618,001	64,712	51,489	38,160	49,256	49,092
Washington	36,289	37,560	294,613	33,972	23,357	23,397	23,521	23,059
West Virginia	9,921	12,599	99,422	10,743	9,895	7,606	5,936	5,881
Wisconsin	66,712	75,520	539,098	61,118	54,672	39,209	28,699	31,301
Wyoming	9,802	10,597	95,090	10,833	9,299	7,663	5,927	5,728
Total	2,780,541	3,153,403	27,568,157	2,759,042	2,488,282	2,069,201	1,949,898	2,100,482

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2018-2020

(million cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	63,110	57,578	59,528	55,811	56,390	48,373	69,163
Alaska	3,522	3,606	4,368	5,006	6,761	7,394	7,886
Arizona	41,250	31,851	26,258	23,881	21,706	22,323	23,446
Arkansas	29,035	27,517	27,622	29,593	32,366	31,566	38,505
California	185,992	143,361	138,969	145,864	188,187	180,118	196,195
Colorado	23,619	21,697	24,869	29,250	36,404	46,962	50,367
Connecticut	19,549	16,875	14,834	21,289	27,169	24,603	31,112
Delaware	6,660	5,209	6,156	8,440	10,757	8,574	9,980
District of Columbia	1,089	1,176	1,096	2,297	3,975	3,712	5,030
Florida	143,663	132,053	118,789	111,251	109,094	98,331	110,801
Georgia	58,016	53,793	52,159	48,362	64,326	58,135	89,206
Hawaii	277	270	266	276	273	261	309
Idaho	6,841	4,906	4,493	6,691	10,071	10,828	12,270
Illinois	52,597	47,911	53,221	95,040	118,977	128,765	163,402
Indiana	58,259	54,471	59,921	70,882	84,658	82,188	102,503
Iowa	29,133	26,698	28,793	37,604	41,286	43,291	50,302
Kansas	17,665	16,943	18,882	23,091	24,648	29,422	34,317
Kentucky	20,967	17,786	20,359	24,354	32,066	29,194	47,093
Louisiana	134,296	131,324	130,658	119,327	119,958	117,581	138,962
Maine	3,754	2,873	2,688	3,296	4,359	3,583	4,586
Maryland	16,825	14,656	19,904	22,284	31,789	26,266	34,065
Massachusetts	26,528	18,904	19,253	34,995	50,795	53,895	61,282
Michigan	44,414	42,413	53,854	89,080	111,549	105,909	132,122
Minnesota	25,794	23,470	26,940	43,165	50,354	59,360	65,270
Mississippi	51,391	46,460	47,130	46,379	42,520	41,659	59,859
Missouri	15,570	15,080	15,891	24,204	32,650	37,778	49,476
Montana	3,764	3,790	4,368	6,340	8,335	10,006	10,103
Nebraska	11,264	9,981	11,426	15,564	16,863	20,020	21,962
Nevada	30,042	24,445	20,174	20,475	24,861	24,569	27,128
New Hampshire	5,241	4,181	2,173	3,153	3,675	3,543	5,508
New Jersey	51,045	40,505	40,388	67,385	88,816	75,957	99,365
New Mexico	13,736	13,370	12,964	12,773	15,139	14,725	17,368
New York	85,895	69,044	70,343	112,274	143,131	134,842	177,724
North Carolina	48,427	40,902	36,642	39,488	58,187	46,369	65,653
North Dakota	4,556	4,383	4,641	6,485	7,140	7,548	7,746
Ohio	59,963	57,210	57,892	97,127	121,743	114,699	153,347
Oklahoma	60,385	54,835	55,605	47,991	45,238	54,438	59,480
Oregon	20,221	11,670	9,239	16,733	25,195	22,527	25,827
Pennsylvania	83,283	73,078	66,683	94,600	126,262	109,965	142,427
Rhode Island	8,101	6,456	5,711	7,600	8,799	7,863	9,985
South Carolina	29,776	26,101	21,702	21,091	26,802	20,603	32,108
South Dakota	5,470	5,180	6,172	7,396	7,681	9,137	9,394
Tennessee	26,057	24,425	21,542	29,581	34,682	33,976	54,653
Texas	380,917	326,543	326,264	281,514	308,880	303,251	375,409
Utah	14,113	11,186	11,100	14,110	21,461	20,645	24,454
Vermont	592	624	621	1,256	1,538	1,497	1,995
Virginia	49,533	47,885	40,287	39,630	60,146	56,811	71,001
Washington	22,460	15,534	14,000	21,432	30,798	30,868	32,215
West Virginia	5,745	4,932	5,349	8,553	10,909	10,069	13,804
Wisconsin	30,519	26,767	27,727	45,807	57,435	63,856	71,988
Wyoming	8,119	5,541	5,946	8,022	9,202	9,228	9,582
Total	2,139,037	1,867,447	1,855,856	2,148,089	2,576,005	2,507,085	3,107,734

^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.

^{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, 2018-2020
(dollars per thousand cubic feet)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	2020				
				October	September	August	July	June
Alabama	2.93	3.64	3.71	3.11	3.65	3.11	2.67	2.89
Alaska	8.38	8.19	7.47	7.85	8.08	8.23	12.30	8.54
Arizona	2.28	2.55	3.59	2.17	2.28	2.54	2.58	2.46
Arkansas	NA	4.20	4.36	4.18	5.07	5.82	4.49	3.83
California	2.75	2.99	2.97	3.08	3.41	2.27	2.69	2.65
Colorado	2.67	3.55	3.48	2.89	3.50	3.37	3.14	2.88
Connecticut	NA	5.75	5.52	NA	8.70	8.60	8.36	8.10
Delaware	NA	6.24	5.71	6.87	9.58	NA	12.52	11.35
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	7.32	6.70	NA	NA	NA	6.83	6.90
Georgia	3.12	3.87	3.82	3.51	3.68	3.12	2.88	2.72
Hawaii	NA	17.86	20.10	11.23	11.08	12.00	12.38	11.73
Idaho	2.33	2.51	2.49	2.43	2.60	2.55	2.60	2.34
Illinois	NA	3.30	3.58	3.01	NA	NA	4.09	NA
Indiana	2.95	3.60	3.83	3.12	3.53	4.47	3.96	3.89
Iowa	3.26	3.52	3.93	3.23	3.65	3.55	2.66	3.05
Kansas	NA	3.94	4.15	NA	NA	NA	4.46	4.39
Kentucky	NA	3.47	3.79	2.85	3.05	2.84	NA	2.99
Louisiana	NA	3.66	3.90	2.85	2.15	NA	2.43	2.44
Maine	NA	6.64	7.58	NA	6.47	6.35	5.62	6.04
Maryland	4.26	5.29	4.85	4.80	6.45	7.87	7.95	7.10
Massachusetts	NA	5.83	6.53	6.34	10.00	12.13	NA	9.85
Michigan	NA	3.23	3.35	2.55	2.76	2.30	NA	2.15
Minnesota	NA	3.89	3.73	3.36	4.23	NA	3.31	NA
Mississippi	3.25	3.88	3.98	3.39	3.81	3.24	3.05	3.11
Missouri	NA	4.37	4.33	3.83	NA	5.99	5.65	6.23
Montana	2.81	2.73	3.02	2.40	2.56	3.31	2.83	3.19
Nebraska	NA	3.80	3.90	3.22	3.89	3.60	2.56	2.78
Nevada	NA	4.23	3.48	3.50	3.58	2.99	3.13	2.78
New Hampshire	NA	6.07	7.13	4.39	7.76	8.39	9.23	NA
New Jersey	NA	5.04	4.62	4.13	4.68	5.28	NA	NA
New Mexico	NA	2.61	2.99	2.82	2.43	2.38	2.53	2.30
New York	3.79	4.55	4.94	4.54	6.93	7.52	7.29	6.80
North Carolina	3.28	4.13	3.96	3.62	4.35	4.78	4.76	4.30
North Dakota	3.10	3.62	3.55	3.11	3.73	3.49	3.01	3.12
Ohio	NA	3.73	3.87	2.91	3.45	NA	NA	2.53
Oklahoma	NA	3.81	3.74	3.53	4.98	4.27	NA	3.97
Oregon	NA	3.65	3.96	NA	4.86	5.37	4.95	4.31
Pennsylvania	NA	4.75	4.31	3.09	3.28	2.86	3.28	4.22
Rhode Island	2.81	2.56	2.32	1.97	2.01	2.04	2.07	2.11
South Carolina	3.13	3.88	4.16	3.54	3.25	3.25	2.68	2.83
South Dakota	3.17	3.65	3.63	3.18	4.08	4.06	3.99	3.78
Tennessee	NA	3.69	3.97	3.05	3.34	2.86	NA	3.32
Texas	NA	3.13	5.18	2.58	2.99	2.90	2.76	2.75
Utah	4.71	4.45	5.13	4.89	2.67	2.09	2.19	2.34
Vermont	3.20	3.96	4.60	3.26	3.48	3.01	2.76	2.91
Virginia	NA	4.83	4.58	NA	4.94	4.83	4.51	NA
Washington	NA	4.40	3.46	3.49	5.37	NA	5.50	4.71
West Virginia	3.29	3.90	3.83	3.47	4.09	4.54	4.31	4.11
Wisconsin	3.25	3.95	4.08	3.08	4.16	3.68	3.37	3.65
Wyoming	NA	3.49	3.65	NA	2.77	3.14	3.08	2.99
Total	3.35	3.93	4.13	3.47	4.10	3.95	3.87	3.85

See footnotes at end of table.

Table 19. Average citygate price, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	2.89	2.74	2.68	2.95	2.93	3.56	3.22	3.35
Alaska	8.09	8.19	8.33	8.36	8.31	8.27	8.83	8.11
Arizona	2.51	1.80	2.31	2.17	2.33	2.62	2.74	2.96
Arkansas	2.65	3.68	4.05	NA	3.56	4.04	3.82	3.17
California	2.47	2.36	2.43	2.55	3.32	3.10	3.87	2.94
Colorado	2.99	2.25	2.57	2.39	2.67	3.38	2.97	2.91
Connecticut	6.08	4.19	4.14	3.96	4.05	5.36	4.26	4.22
Delaware	7.11	4.82	5.34	NA	4.14	5.71	4.13	4.59
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	NA	NA	5.59	NA	7.22	6.08	7.97
Georgia	3.06	2.98	3.22	2.96	3.14	3.78	3.44	3.52
Hawaii	NA	NA	NA	17.21	16.63	17.75	16.43	17.98
Idaho	2.39	2.09	2.27	2.35	2.28	2.46	2.24	2.46
Illinois	2.13	3.13	2.58	2.57	2.68	3.18	2.84	2.91
Indiana	3.00	2.42	2.86	2.75	2.91	3.43	2.97	2.97
Iowa	2.90	3.01	3.63	3.19	3.44	3.47	3.27	3.38
Kansas	4.04	3.00	3.07	2.65	2.79	3.68	2.98	2.96
Kentucky	2.60	2.34	2.95	2.64	2.78	3.37	2.97	3.25
Louisiana	NA	2.69	2.96	2.80	2.97	3.59	3.34	3.33
Maine	4.13	4.47	5.61	NA	6.65	6.51	7.06	5.05
Maryland	5.57	3.49	3.78	3.62	3.55	4.82	3.56	3.89
Massachusetts	6.21	4.57	4.73	4.14	4.14	5.53	4.55	4.86
Michigan	2.46	2.40	2.94	2.90	2.89	3.17	2.99	3.04
Minnesota	NA	2.53	3.43	NA	NA	3.82	3.65	3.56
Mississippi	2.90	3.12	3.48	3.10	3.33	3.77	3.44	3.44
Missouri	4.97	3.79	3.29	2.72	2.75	4.22	3.91	3.59
Montana	2.89	2.76	3.49	2.48	2.81	2.66	2.49	2.42
Nebraska	2.80	NA	3.34	3.12	3.26	3.65	3.18	3.28
Nevada	2.86	2.66	2.49	NA	3.50	4.11	3.88	3.66
New Hampshire	NA	NA	3.99	4.78	5.79	5.74	5.21	4.42
New Jersey	NA	4.41	4.73	4.45	4.26	4.83	4.33	4.27
New Mexico	2.36	1.54	2.66	NA	2.34	2.56	2.54	2.34
New York	4.52	2.92	2.98	3.05	3.18	4.25	3.36	3.57
North Carolina	3.84	3.33	2.94	2.79	2.85	3.85	3.04	3.33
North Dakota	2.92	2.57	2.94	3.22	3.24	3.57	3.41	3.45
Ohio	3.11	2.70	NA	2.95	3.07	3.60	3.14	3.28
Oklahoma	3.10	3.01	3.27	2.89	3.09	3.64	3.14	3.18
Oregon	3.78	3.13	2.95	3.00	3.10	3.56	3.22	3.38
Pennsylvania	NA	3.72	3.78	3.74	3.63	4.53	3.90	4.17
Rhode Island	2.14	2.56	5.24	2.56	2.30	2.49	2.32	2.32
South Carolina	3.14	2.94	3.24	3.22	3.23	3.86	3.66	3.81
South Dakota	2.82	2.57	3.23	3.09	3.15	3.51	2.98	3.31
Tennessee	NA	2.41	2.92	2.65	NA	3.54	3.10	3.24
Texas	NA	2.69	2.43	2.31	2.55	3.02	2.70	2.67
Utah	4.11	5.19	5.70	5.93	6.14	4.80	5.77	6.28
Vermont	3.19	2.98	3.29	3.28	3.37	3.86	3.58	3.47
Virginia	NA	3.64	3.66	3.33	3.40	4.52	3.55	3.91
Washington	4.29	3.30	3.09	3.27	3.60	4.25	4.05	3.56
West Virginia	3.37	2.54	3.48	3.07	3.04	3.71	3.21	3.26
Wisconsin	3.14	3.11	3.07	3.10	3.29	3.84	3.51	3.48
Wyoming	3.33	NA	3.35	3.45	3.35	3.48	3.51	3.37
Total	3.37	3.05	3.23	3.10	3.28	3.81	3.50	3.46

See footnotes at end of table.

Table 19. Average citygate price, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	3.58	3.52	3.37	3.45	3.42	3.74	3.48	3.59
Alaska	7.62	8.38	8.82	8.76	8.53	8.29	8.40	8.14
Arizona	2.35	2.62	2.33	1.36	1.92	1.53	1.63	3.03
Arkansas	3.29	3.43	3.57	6.56	10.32	3.81	4.98	4.09
California	2.95	2.57	2.53	2.34	2.33	2.12	2.56	3.57
Colorado	2.80	4.47	3.87	3.33	3.73	3.01	3.35	3.79
Connecticut	5.92	8.05	8.40	8.55	8.73	6.69	5.58	4.70
Delaware	8.54	11.94	11.99	11.96	11.41	8.84	7.38	4.97
District of Columbia	--	--	--	--	--	--	--	--
Florida	7.95	7.12	8.25	7.34	6.93	6.20	6.74	7.97
Georgia	3.57	3.51	3.42	3.59	3.83	3.83	3.92	3.83
Hawaii	18.98	17.52	16.47	16.81	17.26	21.98	21.85	18.51
Idaho	2.25	1.71	1.61	1.50	1.72	2.20	2.03	3.15
Illinois	2.30	2.83	2.78	2.95	2.74	2.80	3.05	3.96
Indiana	2.94	3.71	3.90	3.83	3.90	3.57	3.37	3.83
Iowa	3.02	3.30	2.91	3.16	3.39	3.10	3.15	3.95
Kansas	3.26	5.98	4.93	4.83	5.83	5.19	4.19	3.99
Kentucky	3.20	3.10	3.01	2.96	3.41	3.31	3.80	3.43
Louisiana	3.16	2.99	3.01	3.23	3.45	3.42	3.48	4.02
Maine	3.62	4.32	4.72	5.03	4.57	3.77	5.32	7.41
Maryland	6.93	8.60	8.85	9.06	7.94	7.12	6.32	4.57
Massachusetts	6.21	10.35	11.44	12.05	10.55	6.01	4.95	5.05
Michigan	2.73	2.38	2.10	2.48	2.81	2.81	3.10	3.41
Minnesota	2.65	3.48	3.79	3.88	3.70	3.30	3.09	4.61
Mississippi	3.54	3.60	3.50	3.47	3.87	3.90	4.03	3.93
Missouri	3.58	6.81	7.62	7.84	7.28	6.13	4.69	3.92
Montana	1.86	2.19	2.11	2.60	2.96	1.94	2.71	3.27
Nebraska	2.76	3.88	3.66	3.77	3.69	3.34	3.48	4.17
Nevada	3.31	3.36	3.32	3.34	3.13	2.80	3.32	4.30
New Hampshire	3.89	6.88	4.35	7.48	6.67	3.99	4.03	5.37
New Jersey	5.34	5.57	6.01	5.70	5.49	4.77	5.84	4.79
New Mexico	2.08	2.80	2.35	1.88	1.90	1.57	1.52	2.62
New York	5.09	7.51	7.95	8.29	7.30	5.15	4.09	3.62
North Carolina	4.42	5.24	5.60	5.77	5.02	5.86	4.36	3.74
North Dakota	2.94	3.32	3.37	3.35	3.49	3.08	3.39	3.98
Ohio	3.79	3.78	3.73	3.40	3.68	3.74	3.54	3.67
Oklahoma	3.47	3.65	3.34	4.06	4.75	3.77	3.78	3.90
Oregon	3.17	3.82	4.51	5.03	4.20	3.90	3.03	3.74
Pennsylvania	3.79	5.82	8.06	8.52	7.37	6.53	4.84	4.71
Rhode Island	2.32	2.38	2.44	2.49	2.53	2.55	2.59	2.60
South Carolina	3.51	3.76	3.39	3.47	3.67	3.91	4.14	4.17
South Dakota	2.77	3.96	3.89	3.82	3.85	2.97	3.31	4.10
Tennessee	3.23	3.64	3.64	3.63	4.06	3.57	3.78	3.65
Texas	2.58	2.60	2.95	2.80	2.54	2.44	3.36	3.18
Utah	4.07	2.88	2.67	2.83	2.86	3.14	4.07	5.34
Vermont	3.17	3.28	3.23	3.57	3.56	3.69	4.01	4.27
Virginia	5.20	5.82	7.25	6.70	6.78	6.67	5.46	4.18
Washington	3.00	3.11	3.71	3.89	3.48	3.70	3.41	7.02
West Virginia	3.77	4.82	4.75	5.37	4.74	4.49	3.89	3.73
Wisconsin	3.03	4.56	4.02	3.66	4.38	3.88	3.64	4.16
Wyoming	2.93	2.43	3.20	3.25	3.10	3.20	3.21	3.80
Total	3.42	4.07	4.15	4.17	4.17	3.66	3.72	4.07

See footnotes at end of table.

Table 19. Average citygate price, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2019		Total	December	November	October	September	2018
	February	January						August
Alabama	3.65	3.99	3.87	4.80	3.87	4.06	3.71	3.70
Alaska	8.49	7.76	7.33	6.91	6.91	6.73	6.44	6.34
Arizona	2.97	3.30	3.47	3.02	3.39	2.87	2.67	2.28
Arkansas	3.83	4.76	4.42	4.80	4.46	4.81	5.93	5.81
California	3.71	3.40	3.29	5.07	3.31	2.73	3.24	6.35
Colorado	3.56	3.80	3.63	4.05	3.97	3.45	4.38	4.40
Connecticut	4.70	4.98	5.55	5.88	5.30	5.92	7.99	7.94
Delaware	4.54	4.37	5.59	5.03	5.44	6.76	7.80	10.35
District of Columbia	--	--	--	--	--	--	--	--
Florida	7.95	7.05	6.88	7.29	7.79	7.54	7.11	7.00
Georgia	4.00	4.36	4.02	5.35	4.13	4.03	3.91	3.75
Hawaii	15.60	13.97	19.63	16.51	18.18	21.26	20.04	18.48
Idaho	3.31	2.43	2.44	2.42	2.22	1.70	2.49	1.72
Illinois	3.24	3.58	3.69	3.89	4.06	3.70	3.58	4.36
Indiana	3.47	3.69	3.87	3.98	3.96	3.83	4.21	4.83
Iowa	3.62	4.00	4.11	4.83	4.56	3.92	4.34	4.47
Kansas	3.28	3.70	4.21	4.69	3.94	4.46	7.02	5.44
Kentucky	3.64	3.61	3.92	4.71	3.81	3.74	3.57	3.51
Louisiana	4.16	4.52	4.00	4.47	4.28	3.93	3.70	3.50
Maine	8.15	8.55	8.00	9.87	8.18	5.09	6.37	7.06
Maryland	4.63	4.39	5.03	6.25	4.69	5.53	6.49	6.41
Massachusetts	4.79	4.93	6.37	6.35	5.32	5.65	10.28	11.82
Michigan	3.37	3.55	3.48	4.16	3.50	3.34	3.17	3.12
Minnesota	3.86	4.45	4.03	5.02	4.64	3.61	4.10	4.87
Mississippi	3.96	4.09	4.21	5.13	4.58	4.19	3.68	3.45
Missouri	3.71	3.92	4.40	4.91	4.25	4.60	6.60	7.20
Montana	2.89	3.21	3.02	3.26	2.75	2.27	2.86	3.13
Nebraska	3.70	4.29	4.11	4.88	4.45	3.80	4.07	4.53
Nevada	6.17	4.25	3.99	5.65	4.70	3.65	3.70	3.01
New Hampshire	6.36	7.99	7.12	7.29	6.86	4.93	8.57	9.77
New Jersey	5.02	4.68	4.68	4.98	4.69	4.55	4.72	4.96
New Mexico	2.83	3.45	3.05	3.42	2.82	2.54	2.77	3.25
New York	3.58	4.35	4.87	4.57	4.74	5.04	8.32	8.45
North Carolina	3.55	3.76	4.13	4.78	4.33	4.59	5.65	5.75
North Dakota	3.53	4.13	3.82	4.91	4.15	3.39	5.00	4.54
Ohio	3.84	3.99	3.97	5.35	3.34	5.22	3.34	2.86
Oklahoma	3.65	3.97	3.83	4.38	3.60	4.03	4.28	4.41
Oregon	3.83	3.27	3.87	3.44	3.88	3.94	5.01	5.53
Pennsylvania	4.13	4.38	4.49	5.14	4.83	4.68	7.33	7.53
Rhode Island	2.59	2.58	2.37	2.55	2.49	2.46	2.43	2.41
South Carolina	4.19	4.45	4.36	5.33	4.90	4.30	4.15	4.09
South Dakota	3.51	4.12	3.87	4.83	4.20	3.59	4.80	4.68
Tennessee	3.59	3.87	4.10	4.77	4.07	3.95	4.01	3.81
Texas	3.38	3.60	5.04	4.61	4.63	4.90	4.67	4.81
Utah	5.70	5.53	5.17	5.92	4.53	4.05	3.62	3.29
Vermont	4.18	4.56	4.64	4.90	4.56	4.18	4.08	4.07
Virginia	4.22	4.23	4.69	5.26	4.69	5.50	6.22	6.37
Washington	5.39	3.41	3.65	3.91	4.29	4.12	4.79	3.77
West Virginia	3.57	3.71	3.86	4.10	3.71	4.39	5.36	5.72
Wisconsin	4.11	4.09	4.19	4.75	4.28	3.99	4.79	4.55
Wyoming	3.62	4.02	3.74	4.09	3.81	3.22	3.24	3.61
Total	3.91	4.03	4.23	4.72	4.28	4.10	4.72	5.25

See footnotes at end of table.

Table 19. Average citygate price, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	3.81	3.93	3.81	3.57	3.48	4.26	3.37
Alaska	6.39	6.43	7.02	6.76	8.00	8.25	8.24
Arizona	3.04	3.23	2.88	3.01	4.18	4.25	4.49
Arkansas	6.20	5.86	4.47	4.47	4.03	3.98	3.85
California	2.02	2.67	2.34	2.42	2.76	3.12	2.91
Colorado	4.09	4.04	3.55	3.04	3.31	3.40	3.39
Connecticut	7.92	7.94	7.10	4.72	4.10	5.04	4.85
Delaware	10.70	9.50	8.13	5.40	4.34	4.52	4.99
District of Columbia	--	--	--	--	--	--	--
Florida	7.21	6.48	7.24	6.52	7.24	6.77	5.65
Georgia	3.99	3.87	3.79	3.37	3.62	4.56	3.60
Hawaii	20.03	20.87	22.70	21.03	19.73	18.34	18.74
Idaho	2.07	2.46	2.39	2.00	2.87	2.85	2.67
Illinois	3.43	3.46	4.16	3.33	3.30	3.35	3.91
Indiana	4.67	4.53	4.33	3.25	3.61	3.78	3.96
Iowa	3.77	3.99	3.92	3.44	3.62	4.15	4.06
Kansas	5.05	5.61	5.83	3.64	3.83	3.72	3.71
Kentucky	3.48	3.64	3.64	3.64	3.89	4.08	3.77
Louisiana	3.70	3.64	3.67	3.72	3.94	4.30	4.17
Maine	6.92	6.51	6.09	5.39	6.40	8.95	10.35
Maryland	7.20	6.51	6.61	4.59	3.90	4.55	4.64
Massachusetts	10.96	9.51	6.31	5.35	4.69	3.59	9.36
Michigan	3.15	3.14	3.27	3.05	3.32	3.69	3.38
Minnesota	4.14	4.31	3.40	3.12	3.62	3.92	3.74
Mississippi	3.71	3.83	3.85	3.71	3.90	4.49	4.01
Missouri	7.02	6.61	6.36	3.93	3.71	3.90	3.72
Montana	2.62	2.86	2.29	2.94	3.09	3.29	3.39
Nebraska	4.26	4.24	3.93	3.12	3.79	4.06	4.05
Nevada	3.40	3.48	3.08	3.34	3.20	3.63	3.76
New Hampshire	9.35	3.66	6.11	4.38	5.01	7.91	9.96
New Jersey	4.70	4.65	4.15	4.29	4.34	4.55	5.05
New Mexico	2.93	3.00	2.45	2.41	3.08	3.32	3.17
New York	8.05	7.08	6.08	3.56	3.19	3.41	6.36
North Carolina	6.07	5.78	5.20	3.87	3.26	3.88	3.46
North Dakota	3.20	2.79	1.57	2.88	3.25	4.15	4.24
Ohio	4.70	4.11	4.27	3.45	3.56	4.45	3.66
Oklahoma	5.02	4.52	3.66	3.44	3.60	3.69	3.61
Oregon	5.85	4.74	4.88	3.54	3.43	3.47	3.61
Pennsylvania	6.81	6.06	7.17	3.74	3.73	4.19	3.85
Rhode Island	2.39	2.35	2.35	2.33	2.32	2.32	2.25
South Carolina	4.13	4.16	4.20	4.21	3.90	4.22	4.21
South Dakota	4.09	3.59	2.32	2.91	3.25	4.17	3.91
Tennessee	4.09	3.97	3.95	3.63	3.82	4.18	4.07
Texas	4.79	4.76	4.56	5.43	5.30	5.42	5.39
Utah	2.89	3.86	4.64	5.52	5.54	6.35	5.77
Vermont	3.97	3.77	3.86	4.61	4.75	5.15	5.29
Virginia	6.09	5.95	5.68	4.60	3.62	3.79	4.45
Washington	4.70	4.52	3.64	3.18	3.01	3.28	3.19
West Virginia	7.36	5.01	4.12	3.47	3.40	3.89	3.36
Wisconsin	4.41	4.62	4.04	3.44	3.75	4.36	4.04
Wyoming	3.28	3.08	3.43	3.26	3.80	3.95	3.91
Total	4.50	4.49	4.14	3.65	3.69	3.99	4.36

-- 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, 2018-2020
(dollars per thousand cubic feet)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	2020				
				October	September	August	July	June
Alabama	16.38	15.81	15.50	21.22	22.96	22.74	22.46	20.44
Alaska	11.31	11.18	11.24	11.10	12.27	13.78	14.19	13.47
Arizona	13.41	13.80	16.11	17.34	19.95	20.43	19.19	17.77
Arkansas	12.12	11.53	12.26	16.74	20.79	21.17	19.04	16.31
California	NA	13.10	12.19	14.74	14.75	14.34	14.34	14.58
Colorado	7.19	8.29	8.24	8.05	10.31	13.37	13.25	11.46
Connecticut	NA	15.19	14.09	NA	23.03	23.68	21.91	19.67
Delaware	NA	12.09	13.06	19.98	25.29	NA	24.51	19.40
District of Columbia	12.45	13.14	11.84	16.93	20.78	20.63	19.77	16.09
Florida	NA	21.86	21.42	NA	NA	NA	25.14	22.19
Georgia	NA	16.09	15.06	24.88	28.22	29.48	27.70	23.81
Hawaii	NA	44.06	43.53	37.84	37.28	37.36	38.17	38.30
Idaho	6.92	6.62	7.64	7.30	8.48	9.71	10.12	8.19
Illinois	8.16	8.57	8.53	8.85	16.59	19.53	18.97	12.65
Indiana	8.94	9.18	9.03	10.42	18.25	22.18	21.00	18.66
Iowa	NA	8.79	9.09	9.72	15.76	18.15	NA	13.70
Kansas	NA	9.74	10.95	10.25	18.40	NA	21.05	20.74
Kentucky	11.87	11.47	11.04	13.76	24.27	26.22	25.01	21.44
Louisiana	NA	11.77	11.91	15.82	17.64	17.68	15.98	15.13
Maine	NA	16.84	16.44	NA	22.85	28.00	25.39	20.02
Maryland	13.45	13.00	11.87	17.43	20.87	22.03	19.29	18.61
Massachusetts	NA	14.89	15.73	NA	15.04	15.71	15.30	13.23
Michigan	8.36	8.28	8.40	8.66	11.24	14.31	13.97	12.43
Minnesota	NA	8.37	8.85	8.04	10.94	11.36	12.76	NA
Mississippi	NA	11.21	10.56	15.43	19.58	18.77	17.69	16.49
Missouri	NA	10.81	10.66	15.17	24.04	NA	23.85	18.86
Montana	NA	7.19	7.47	NA	10.94	11.43	9.78	8.47
Nebraska	7.74	8.27	8.58	12.43	15.38	15.99	14.35	11.61
Nevada	10.91	9.36	9.69	11.76	13.44	13.84	13.66	13.21
New Hampshire	14.40	16.11	15.38	19.20	22.60	23.22	20.38	15.40
New Jersey	9.98	9.75	9.03	11.48	13.14	13.29	12.99	12.43
New Mexico	NA	6.65	8.33	11.16	11.93	12.74	10.54	10.32
New York	12.85	12.96	12.52	16.13	19.27	19.85	19.36	16.06
North Carolina	NA	13.59	12.64	21.55	19.24	20.42	NA	NA
North Dakota	7.06	7.34	7.41	8.64	15.16	20.62	20.23	12.54
Ohio	NA	10.19	9.48	13.20	23.14	28.61	27.01	NA
Oklahoma	NA	9.89	9.86	18.64	23.14	25.43	NA	16.93
Oregon	NA	9.89	11.07	11.37	14.93	15.58	13.67	NA
Pennsylvania	11.82	12.09	11.57	13.72	18.82	20.65	19.99	16.44
Rhode Island	14.92	15.64	15.71	18.98	21.54	21.54	19.88	17.58
South Carolina	NA	14.11	14.61	20.83	24.85	26.27	26.07	NA
South Dakota	7.23	7.53	7.71	8.40	12.68	15.32	14.67	9.91
Tennessee	NA	9.94	9.81	12.92	17.08	20.02	17.40	13.36
Texas	NA	10.93	12.03	NA	21.75	21.59	19.91	18.88
Utah	NA	7.84	9.52	9.48	9.71	10.08	9.12	8.89
Vermont	13.34	13.37	13.87	17.19	21.69	23.80	22.06	17.59
Virginia	NA	12.90	11.75	16.55	19.15	20.45	19.42	16.18
Washington	11.12	9.68	10.80	10.89	14.40	14.99	14.44	12.99
West Virginia	10.33	10.19	10.09	11.67	15.35	20.14	18.59	13.78
Wisconsin	7.57	7.92	8.09	6.99	12.16	14.06	13.28	11.56
Wyoming	NA	8.26	8.97	12.14	16.45	NA	16.08	12.12
Total	11.03	10.89	10.83	12.35	16.99	18.41	17.57	15.37

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2018-2020

(dollars per thousand cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	17.93	17.21	14.52	14.33	14.77	15.63	14.74	15.64
Alaska	12.34	11.36	10.79	10.76	10.55	11.11	10.78	11.08
Arizona	16.74	13.74	11.92	11.17	10.85	13.49	11.45	13.75
Arkansas	12.63	11.35	10.69	10.39	11.18	11.05	9.78	8.95
California	14.56	NA	13.70	14.57	15.02	12.95	12.74	11.87
Colorado	8.78	6.59	6.44	5.80	5.92	7.77	6.21	6.41
Connecticut	15.55	14.28	13.40	12.84	12.80	14.61	12.62	13.03
Delaware	14.26	NA	NA	NA	11.38	12.10	11.64	13.19
District of Columbia	12.64	12.26	10.50	10.63	11.38	12.81	11.25	12.34
Florida	NA	19.91	NA	18.61	NA	21.73	19.65	23.60
Georgia	NA	15.71	13.48	12.06	NA	14.87	10.93	12.38
Hawaii	35.00	NA	NA	43.98	43.17	44.14	44.37	44.83
Idaho	7.57	6.90	6.54	6.22	6.26	6.50	6.17	6.21
Illinois	9.18	7.50	6.99	6.25	6.36	8.04	6.60	6.35
Indiana	10.72	8.01	7.61	6.63	7.06	8.68	7.24	7.47
Iowa	10.69	7.12	7.00	5.99	6.17	8.19	5.99	6.90
Kansas	13.99	9.80	8.34	6.99	7.22	9.24	7.69	7.63
Kentucky	15.59	11.07	10.64	8.73	9.59	10.85	9.54	9.00
Louisiana	13.74	12.89	11.01	10.33	NA	11.51	10.20	11.17
Maine	14.47	13.41	13.24	14.84	13.70	16.05	13.54	13.03
Maryland	14.19	11.92	12.51	12.14	11.70	12.55	11.14	11.48
Massachusetts	13.57	14.52	14.25	14.14	14.19	14.72	14.42	13.56
Michigan	9.27	8.28	7.70	7.25	7.28	8.08	7.55	7.50
Minnesota	9.29	7.26	7.04	NA	NA	8.06	7.19	7.22
Mississippi	14.61	NA	11.21	9.47	9.40	10.77	9.39	9.47
Missouri	12.52	10.06	9.04	8.26	8.49	10.41	8.84	9.56
Montana	7.19	6.61	6.59	6.54	6.52	7.09	6.65	6.84
Nebraska	8.56	6.90	6.46	6.17	6.35	7.90	6.43	6.91
Nevada	12.24	10.98	10.23	9.91	9.59	9.50	9.59	10.70
New Hampshire	11.95	13.07	13.16	13.94	14.24	15.75	13.93	15.11
New Jersey	9.95	9.55	9.09	9.15	9.56	9.73	9.56	9.92
New Mexico	7.47	5.70	5.66	NA	6.00	6.40	5.22	6.25
New York	11.58	12.10	11.95	11.64	11.39	12.61	10.75	12.45
North Carolina	NA	14.05	14.41	11.62	11.80	12.88	11.42	11.42
North Dakota	7.99	6.08	5.67	5.51	5.56	7.00	5.68	6.14
Ohio	11.12	8.50	7.82	6.99	7.30	9.58	7.45	8.45
Oklahoma	11.48	8.41	6.87	6.29	6.70	9.40	6.81	9.11
Oregon	12.15	10.01	9.84	10.39	10.88	9.97	10.19	10.15
Pennsylvania	11.72	11.14	10.90	10.57	10.38	11.70	10.18	11.08
Rhode Island	15.09	14.38	13.91	13.79	13.52	15.36	13.55	15.62
South Carolina	17.16	16.27	14.10	10.84	11.44	13.14	11.15	10.57
South Dakota	7.79	6.62	6.83	6.27	6.00	7.29	6.33	6.60
Tennessee	NA	9.15	NA	7.61	8.01	9.45	8.04	8.38
Texas	15.96	13.23	9.34	8.13	8.32	10.61	9.17	9.92
Utah	8.72	NA	8.37	8.20	8.17	7.82	8.19	7.25
Vermont	13.18	12.25	11.98	11.29	11.62	13.14	11.73	13.12
Virginia	NA	12.42	11.55	10.94	11.90	12.62	11.86	11.77
Washington	12.09	11.26	10.28	10.20	10.23	9.82	10.25	10.15
West Virginia	11.12	10.04	9.39	9.17	9.10	9.90	9.00	9.36
Wisconsin	7.81	6.71	7.03	6.87	6.78	7.68	6.97	7.08
Wyoming	9.22	8.01	7.47	7.09	7.04	8.06	7.24	7.54
Total	11.85	10.66	9.85	9.12	9.51	10.51	9.30	9.33

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	22.51	23.31	23.15	22.49	21.35	18.65	15.55	14.39
Alaska	11.48	12.62	14.78	15.28	13.82	11.58	11.05	10.39
Arizona	17.01	20.61	21.62	20.46	18.25	16.18	14.33	12.05
Arkansas	18.22	20.57	20.91	19.68	18.27	14.59	10.89	9.77
California	12.99	12.66	12.87	13.45	12.62	12.69	12.95	13.28
Colorado	7.45	12.82	14.14	13.49	11.32	8.74	8.20	7.66
Connecticut	18.52	22.69	24.91	23.91	20.41	17.06	15.30	13.73
Delaware	20.63	23.50	24.38	23.29	19.90	15.77	11.67	10.60
District of Columbia	18.92	17.32	20.66	21.00	17.79	15.72	12.87	11.42
Florida	25.99	25.65	26.77	27.05	25.72	22.95	21.14	20.56
Georgia	24.55	28.93	28.33	27.80	27.11	22.24	14.66	11.71
Hawaii	45.19	45.36	42.41	43.34	42.98	47.85	48.74	43.69
Idaho	6.47	8.35	9.83	9.59	8.89	7.60	6.87	6.11
Illinois	9.36	17.82	18.91	18.49	14.85	10.34	8.46	7.09
Indiana	11.17	19.56	23.04	20.58	18.97	12.32	9.59	7.50
Iowa	9.73	19.16	17.17	17.38	14.20	10.97	8.58	7.83
Kansas	9.56	21.50	21.73	20.64	19.23	14.63	12.53	7.91
Kentucky	16.38	26.13	26.32	27.08	24.92	19.72	12.03	8.64
Louisiana	17.33	17.29	16.60	16.92	16.22	14.23	11.17	10.17
Maine	16.18	23.33	27.02	26.11	20.05	16.05	16.26	15.77
Maryland	16.86	21.11	21.39	21.20	19.77	15.87	14.36	11.47
Massachusetts	13.89	16.20	16.99	16.39	14.66	14.70	15.16	14.68
Michigan	8.46	12.88	14.16	13.21	11.47	9.68	8.44	7.62
Minnesota	7.50	11.45	13.09	14.66	11.61	8.70	8.07	7.63
Mississippi	16.78	17.41	17.52	17.19	17.00	13.96	10.58	9.57
Missouri	17.53	25.23	25.21	24.38	20.20	14.25	10.74	8.64
Montana	7.58	10.48	12.73	9.87	8.35	7.57	7.04	6.49
Nebraska	10.79	15.26	16.21	14.75	12.84	9.78	8.02	6.73
Nevada	12.29	14.66	15.55	14.49	12.61	11.45	9.93	7.87
New Hampshire	19.15	23.55	24.10	21.56	17.14	15.70	14.81	14.66
New Jersey	11.64	12.73	13.49	12.78	11.62	10.54	9.16	9.31
New Mexico	10.00	11.88	9.51	9.79	11.45	6.32	6.21	6.21
New York	16.89	19.97	20.14	19.86	17.06	13.99	12.09	10.86
North Carolina	21.77	25.24	21.88	24.37	19.11	23.46	14.93	10.51
North Dakota	8.52	16.57	21.07	19.82	12.14	8.16	6.62	5.80
Ohio	15.44	28.78	29.32	27.29	23.29	14.63	9.92	7.46
Oklahoma	22.17	27.57	27.68	25.83	20.76	15.65	10.64	7.12
Oregon	9.90	12.98	15.37	13.64	6.72	12.52	11.06	9.15
Pennsylvania	15.20	19.98	21.15	20.28	18.16	14.79	13.38	10.82
Rhode Island	19.61	21.49	21.92	20.92	18.12	16.15	15.14	14.57
South Carolina	26.11	24.81	26.22	24.38	24.06	24.94	14.09	11.71
South Dakota	8.33	15.70	15.05	12.41	9.70	7.74	7.17	6.62
Tennessee	16.19	18.86	20.21	18.55	17.55	14.56	9.91	8.16
Texas	21.00	22.27	22.09	20.05	17.53	15.22	10.46	8.21
Utah	7.74	9.79	10.09	9.44	7.74	7.58	7.69	7.57
Vermont	16.80	21.50	22.91	21.66	17.07	13.71	12.65	11.97
Virginia	18.56	20.73	22.50	21.48	19.89	17.52	13.06	11.40
Washington	9.30	12.38	15.18	14.27	13.23	11.53	10.11	8.94
West Virginia	11.78	18.83	18.54	17.64	18.25	13.36	10.34	9.15
Wisconsin	7.76	13.42	14.36	14.30	11.90	7.82	7.37	7.37
Wyoming	9.97	17.01	18.08	15.15	9.74	8.72	7.68	6.91
Total	12.50	17.61	18.38	17.74	15.55	12.76	10.85	9.42

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2018-2020

(dollars per thousand cubic feet) – continued

State	2019		Total	2018				
	February	January		December	November	October	September	August
Alabama	13.88	13.81	15.22	13.78	15.55	21.90	22.25	22.00
Alaska	10.33	10.14	10.99	10.17	10.38	11.01	12.22	13.05
Arizona	11.69	11.70	15.35	12.27	14.15	18.43	20.96	19.54
Arkansas	9.68	10.54	11.77	10.04	10.32	16.92	21.20	21.91
California	13.08	13.50	12.30	13.10	11.95	12.18	12.32	12.89
Colorado	7.57	7.22	7.74	6.30	6.71	8.00	13.29	14.75
Connecticut	13.36	13.18	13.92	13.46	13.19	16.51	22.40	23.74
Delaware	10.06	10.52	12.60	10.39	12.36	19.99	22.17	23.29
District of Columbia	11.70	12.23	11.78	11.25	12.09	16.83	18.47	19.11
Florida	18.19	18.21	21.34	19.43	23.57	26.74	25.82	27.41
Georgia	11.79	11.22	13.98	11.01	11.56	21.68	27.89	27.92
Hawaii	42.74	38.92	43.48	42.94	43.42	48.05	47.36	43.50
Idaho	6.00	6.01	7.11	5.93	6.12	7.02	9.35	10.37
Illinois	7.17	6.84	8.15	7.29	6.91	9.82	17.43	19.05
Indiana	7.34	7.24	8.72	8.13	7.74	10.62	20.22	19.36
Iowa	7.35	7.51	8.94	8.39	8.73	12.31	18.70	18.85
Kansas	7.68	8.08	10.18	8.52	7.75	12.34	18.88	22.63
Kentucky	9.19	8.81	10.56	9.02	9.68	14.77	24.25	24.73
Louisiana	8.94	10.42	11.65	10.07	12.03	17.28	17.00	17.80
Maine	16.42	15.85	16.32	16.84	14.56	15.77	23.77	24.78
Maryland	11.20	11.18	11.79	11.82	11.17	14.22	20.88	21.09
Massachusetts	14.58	14.97	15.47	15.21	13.44	13.32	16.07	16.62
Michigan	7.47	7.27	8.19	7.78	7.43	8.25	12.34	13.38
Minnesota	7.82	8.12	8.69	8.65	7.82	8.77	12.21	14.85
Mississippi	9.45	9.76	10.44	9.72	10.60	16.78	17.04	18.11
Missouri	8.51	8.86	10.37	9.25	9.85	16.92	23.63	25.14
Montana	6.57	6.73	7.32	6.68	6.93	7.72	10.45	11.53
Nebraska	6.92	7.90	8.54	8.25	8.69	11.42	17.50	17.84
Nevada	7.43	7.26	9.24	7.46	8.49	11.01	13.47	14.46
New Hampshire	15.51	16.16	15.35	15.45	14.83	18.70	22.78	22.73
New Jersey	9.27	8.98	9.09	9.11	9.49	9.89	12.02	12.63
New Mexico	5.57	5.61	7.89	7.72	5.49	10.74	13.57	13.20
New York	11.44	12.28	12.37	11.64	12.18	17.15	20.14	20.83
North Carolina	12.54	11.43	12.11	11.08	10.86	17.31	25.37	21.73
North Dakota	5.85	6.32	7.20	6.48	6.59	8.21	17.49	21.43
Ohio	7.26	7.39	9.10	7.96	8.24	12.57	25.45	27.69
Oklahoma	7.04	6.36	9.25	6.31	9.28	19.64	25.24	26.74
Oregon	8.47	9.60	10.65	9.68	9.64	11.16	13.86	16.63
Pennsylvania	10.40	10.30	11.25	10.36	10.30	12.92	19.31	20.40
Rhode Island	14.48	14.70	15.65	14.94	16.32	20.46	24.74	25.64
South Carolina	11.80	10.94	13.46	11.06	10.75	20.96	28.40	26.96
South Dakota	6.74	7.02	7.66	7.26	7.86	8.82	14.93	15.75
Tennessee	8.50	8.46	9.46	8.30	8.82	14.86	19.08	23.26
Texas	8.23	8.15	11.42	8.65	10.71	16.88	21.97	23.73
Utah	7.72	7.58	9.04	7.58	7.50	8.67	10.23	10.43
Vermont	11.77	12.01	13.65	12.47	13.51	17.01	22.18	23.69
Virginia	11.38	10.73	11.71	11.36	11.92	15.98	19.70	20.67
Washington	8.34	8.75	10.28	8.73	9.10	10.60	13.27	15.81
West Virginia	9.09	8.99	9.84	8.96	9.40	10.96	17.79	18.80
Wisconsin	7.18	7.28	8.04	8.24	7.52	7.88	12.53	14.51
Wyoming	7.15	7.03	8.60	7.00	7.94	10.43	16.69	17.35
Total	9.40	9.36	10.50	9.62	9.42	12.22	17.23	18.56

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	22.03	21.10	17.35	15.15	15.36	14.21	13.45
Alaska	13.76	12.72	11.84	11.28	10.77	10.61	10.59
Arizona	22.68	21.26	19.19	16.77	14.21	13.96	13.75
Arkansas	21.33	19.97	14.18	11.60	12.19	10.94	10.19
California	12.38	12.16	12.44	11.62	12.28	12.11	12.13
Colorado	17.38	14.56	10.56	7.46	7.38	6.67	6.66
Connecticut	22.34	20.94	16.76	13.18	12.76	12.70	12.03
Delaware	22.36	19.48	14.29	11.72	11.16	11.35	12.85
District of Columbia	18.51	14.51	12.42	10.79	11.32	11.32	10.31
Florida	26.28	24.27	22.87	20.26	19.86	18.58	17.89
Georgia	26.02	26.07	20.28	13.32	12.26	11.70	9.93
Hawaii	45.44	41.62	44.49	42.51	42.16	42.05	39.90
Idaho	10.38	9.59	9.20	7.73	7.10	6.93	7.35
Illinois	18.94	15.14	12.58	7.55	7.23	6.89	6.65
Indiana	20.13	18.77	15.32	8.03	7.53	7.96	6.87
Iowa	19.74	15.12	10.97	7.90	8.12	7.86	7.37
Kansas	22.04	18.50	15.34	11.93	10.07	8.92	8.72
Kentucky	24.87	24.35	18.36	9.60	9.16	9.62	8.48
Louisiana	17.35	16.33	13.67	12.61	13.31	10.14	8.91
Maine	25.90	20.27	17.05	15.61	15.49	16.50	14.68
Maryland	19.57	18.44	14.39	10.35	9.82	11.89	10.43
Massachusetts	15.87	14.62	16.75	17.75	15.71	16.26	14.27
Michigan	13.52	13.48	11.94	7.93	7.60	7.74	7.41
Minnesota	15.27	12.86	11.25	8.17	7.88	8.65	7.78
Mississippi	17.93	17.04	13.19	10.20	11.01	9.27	7.85
Missouri	24.35	22.43	13.70	9.78	9.51	8.65	8.19
Montana	10.14	9.06	7.66	7.07	7.16	6.91	6.97
Nebraska	15.61	15.77	10.03	7.73	7.74	7.44	6.96
Nevada	13.86	12.72	11.55	9.92	8.24	8.15	8.12
New Hampshire	21.07	17.88	16.60	15.68	15.51	13.93	13.28
New Jersey	12.08	11.27	9.24	7.72	8.74	8.61	8.85
New Mexico	12.91	11.33	9.41	8.01	7.35	7.13	7.14
New York	20.10	19.32	14.19	11.29	12.09	11.23	9.51
North Carolina	24.76	21.56	20.82	13.25	10.46	13.53	9.77
North Dakota	20.79	15.45	8.71	6.49	6.09	5.95	5.85
Ohio	26.39	25.36	14.91	8.07	7.27	7.58	6.42
Oklahoma	25.79	22.94	12.39	9.03	8.00	7.40	6.74
Oregon	14.88	14.00	13.46	10.94	9.71	9.67	10.69
Pennsylvania	19.73	17.92	14.12	10.78	10.43	10.84	10.00
Rhode Island	23.96	20.78	17.88	16.41	14.89	13.51	13.19
South Carolina	29.80	26.39	21.93	13.69	10.73	16.15	10.83
South Dakota	14.62	11.72	7.99	6.94	7.04	6.84	6.81
Tennessee	19.80	18.54	11.88	9.15	9.09	8.80	7.94
Texas	21.54	20.10	16.15	12.86	11.12	9.57	8.80
Utah	10.24	10.26	9.44	9.22	9.01	10.08	9.40
Vermont	22.01	19.07	14.28	12.54	13.16	12.01	12.60
Virginia	20.57	18.33	14.27	10.99	9.41	11.66	10.08
Washington	14.99	13.36	12.99	10.34	9.93	9.62	10.18
West Virginia	18.19	17.75	13.89	9.63	9.27	9.27	8.94
Wisconsin	14.04	12.37	10.21	6.92	7.32	7.64	7.37
Wyoming	15.99	12.94	9.50	8.40	7.77	7.75	7.61
Total	17.85	16.47	13.52	10.05	9.76	9.63	8.90

^{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, 2018-2020
(dollars per thousand cubic feet)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	2020				
				October	September	August	July	June
Alabama	12.19	11.89	11.99	12.39	12.38	12.91	12.89	12.79
Alaska	NA	9.84	10.17	9.81	10.29	10.57	10.86	NA
Arizona	6.98	7.40	8.92	7.10	7.11	7.02	6.99	7.11
Arkansas	7.41	7.91	8.07	6.94	7.82	8.14	7.95	7.88
California	9.67	9.39	8.36	9.32	9.29	9.17	9.13	9.09
Colorado	6.18	7.29	7.09	7.18	7.82	9.24	9.78	8.61
Connecticut	NA	10.18	9.27	NA	11.44	11.30	10.72	12.17
Delaware	NA	10.00	10.88	12.46	15.18	NA	14.73	13.88
District of Columbia	10.95	11.45	10.28	11.56	12.26	11.91	13.40	12.22
Florida	NA	11.47	11.25	NA	NA	NA	11.32	11.15
Georgia	7.73	8.47	8.32	8.20	8.09	8.13	8.48	8.34
Hawaii	NA	30.29	31.23	25.28	24.86	26.28	28.14	26.88
Idaho	5.60	5.45	6.33	5.53	5.77	6.15	6.37	5.91
Illinois	7.00	7.47	7.48	7.61	13.00	15.13	13.96	11.50
Indiana	6.97	7.24	7.50	6.87	8.64	11.35	11.67	11.73
Iowa	5.68	6.35	6.76	6.09	7.91	7.74	7.64	7.05
Kansas	7.53	8.09	9.11	8.20	12.64	13.46	12.89	11.83
Kentucky	8.91	8.89	8.66	9.21	12.42	12.83	12.81	12.54
Louisiana	NA	8.39	8.66	8.63	NA	7.10	NA	6.88
Maine	NA	13.12	12.78	NA	12.13	13.58	13.24	11.66
Maryland	10.72	10.35	9.57	12.74	13.17	14.01	12.28	11.85
Massachusetts	11.01	11.35	13.05	7.31	10.11	10.36	10.69	9.71
Michigan	6.88	6.92	6.99	7.28	8.56	9.66	9.60	9.20
Minnesota	NA	6.83	7.11	5.89	7.42	6.80	7.94	NA
Mississippi	NA	8.54	8.35	9.24	9.00	8.43	8.04	8.03
Missouri	NA	7.81	8.00	8.71	9.77	NA	9.91	9.19
Montana	NA	6.97	7.23	NA	8.77	9.67	8.98	8.15
Nebraska	5.16	6.00	6.16	6.00	5.94	5.47	5.27	5.09
Nevada	7.65	6.25	6.56	6.74	7.33	7.52	7.75	8.51
New Hampshire	11.09	12.78	12.81	14.82	16.72	18.08	16.51	12.65
New Jersey	8.62	9.06	8.82	9.53	9.91	9.90	9.96	7.81
New Mexico	NA	4.65	5.55	6.17	5.51	6.07	5.05	4.44
New York	6.88	7.30	7.34	6.46	6.16	5.69	6.02	6.05
North Carolina	NA	8.92	8.44	10.39	8.96	8.95	10.73	NA
North Dakota	5.25	5.79	5.88	4.92	5.43	6.49	6.68	5.73
Ohio	NA	6.15	5.92	6.21	7.65	7.56	7.25	NA
Oklahoma	NA	7.59	7.44	11.47	13.33	15.50	NA	11.47
Oregon	NA	7.83	8.69	8.42	9.68	9.77	9.18	NA
Pennsylvania	NA	9.76	9.53	9.76	9.85	12.65	12.05	NA
Rhode Island	12.24	13.20	12.98	16.57	18.52	19.35	17.93	14.92
South Carolina	8.43	8.65	9.19	8.70	8.55	8.30	7.80	7.83
South Dakota	5.29	5.64	5.86	5.66	5.96	7.31	7.31	6.17
Tennessee	NA	8.34	8.55	8.44	8.45	9.19	8.49	7.83
Texas	NA	6.25	6.74	7.16	8.09	7.92	7.22	NA
Utah	NA	6.31	7.70	6.75	6.72	6.86	6.53	6.59
Vermont	5.33	6.08	6.68	4.67	5.55	4.32	4.15	4.76
Virginia	8.29	8.63	8.04	8.05	8.92	8.64	8.81	9.33
Washington	8.77	7.22	8.24	8.59	9.71	9.33	9.90	8.84
West Virginia	8.29	8.19	8.25	8.76	9.87	10.81	10.73	9.84
Wisconsin	NA	6.21	6.30	NA	5.96	6.28	5.91	6.18
Wyoming	NA	6.32	6.81	7.16	7.83	NA	7.55	7.10
Total	7.47	7.76	7.86	7.63	8.47	8.50	8.47	8.19

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	12.58	12.45	11.80	11.77	11.99	11.87	11.82	11.78
Alaska	10.30	9.91	9.80	9.79	9.84	9.89	9.99	10.09
Arizona	7.98	7.37	6.81	6.69	6.63	7.29	6.73	6.90
Arkansas	7.19	7.10	7.24	7.33	7.53	7.68	6.90	6.75
California	9.62	9.58	9.64	10.09	10.47	9.41	10.01	8.79
Colorado	6.69	5.72	5.47	5.35	5.51	6.92	5.74	5.87
Connecticut	9.35	9.57	8.53	8.56	8.30	9.75	8.11	8.52
Delaware	11.97	NA	10.48	NA	9.87	10.04	10.05	10.51
District of Columbia	10.99	11.69	9.84	10.24	10.85	11.23	9.88	11.19
Florida	NA	10.92	NA	11.13	NA	11.46	11.29	11.60
Georgia	8.28	8.26	7.18	7.12	7.53	8.21	7.27	7.60
Hawaii	23.80	22.47	NA	31.23	30.57	30.26	28.35	32.09
Idaho	5.99	5.78	5.49	5.41	5.41	5.44	5.40	5.40
Illinois	8.34	6.71	6.09	5.58	5.61	7.02	5.74	5.64
Indiana	8.20	6.40	6.49	5.71	6.30	6.97	6.28	6.19
Iowa	6.93	5.24	5.31	4.94	5.23	6.03	4.99	5.34
Kansas	11.21	7.78	6.75	5.88	6.34	7.68	6.49	6.28
Kentucky	11.25	8.84	8.22	7.36	8.06	8.60	7.94	7.53
Louisiana	7.55	7.57	8.23	8.66	9.43	8.41	8.68	8.24
Maine	10.53	10.72	10.82	12.26	11.50	12.62	11.14	10.24
Maryland	11.74	9.74	10.43	9.46	10.06	10.14	9.60	9.22
Massachusetts	10.75	11.74	11.36	11.29	11.31	11.32	11.69	10.36
Michigan	7.77	7.15	6.46	6.18	6.22	6.81	6.49	6.49
Minnesota	6.70	5.77	5.86	NA	NA	6.63	6.24	5.88
Mississippi	8.17	NA	9.06	8.33	8.30	8.48	8.31	8.13
Missouri	7.93	7.07	6.77	6.64	6.76	7.67	6.88	7.63
Montana	6.95	6.44	6.48	6.40	6.45	6.89	6.53	6.67
Nebraska	4.61	4.73	4.98	5.08	5.37	5.83	5.32	4.92
Nevada	8.62	8.04	7.82	7.57	7.34	6.49	7.24	7.50
New Hampshire	9.55	10.12	9.88	10.56	10.95	12.48	11.02	11.70
New Jersey	8.30	7.98	8.67	8.43	8.62	9.05	8.74	9.47
New Mexico	3.76	3.61	3.97	NA	4.71	4.56	4.03	4.68
New York	6.13	6.83	7.45	7.45	7.58	7.21	6.98	6.61
North Carolina	9.65	9.84	9.67	8.27	8.35	8.76	8.68	7.85
North Dakota	5.17	4.84	5.08	5.21	5.31	5.67	5.29	5.26
Ohio	6.33	5.31	5.40	5.20	5.35	5.97	5.39	5.45
Oklahoma	8.94	6.86	5.47	5.11	5.28	7.28	5.45	7.33
Oregon	8.79	7.80	7.80	8.06	8.32	7.88	8.08	7.92
Pennsylvania	NA	8.64	NA	8.78	8.69	9.49	8.55	8.67
Rhode Island	12.41	11.67	11.23	11.18	10.84	12.87	10.79	13.11
South Carolina	8.49	9.33	8.71	8.10	8.51	8.58	8.76	7.92
South Dakota	5.52	5.01	5.24	4.98	4.89	5.50	5.01	5.14
Tennessee	NA	7.46	NA	7.27	7.67	8.10	7.55	7.07
Texas	7.07	6.02	5.63	5.20	5.55	6.18	5.94	5.84
Utah	6.60	NA	7.02	6.92	6.89	6.35	6.91	6.00
Vermont	5.73	5.28	5.70	5.77	5.73	6.01	5.79	5.68
Virginia	7.88	7.88	8.03	7.81	8.80	8.53	8.50	7.89
Washington	9.08	9.25	8.59	8.33	8.45	7.49	8.36	8.35
West Virginia	9.00	8.31	7.85	7.68	7.65	8.02	7.49	7.62
Wisconsin	4.96	5.06	5.66	5.82	5.74	6.14	5.96	5.94
Wyoming	6.70	6.44	6.18	6.08	6.17	6.30	6.21	6.22
Total	7.74	7.28	7.32	6.87	7.25	7.61	7.19	6.98

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	12.66	12.77	12.78	12.69	12.28	12.08	11.82	11.54
Alaska	10.32	10.77	11.19	11.14	10.54	9.69	9.56	9.53
Arizona	7.18	7.27	7.41	7.35	7.53	7.54	7.43	7.35
Arkansas	8.35	8.80	9.34	9.08	9.04	8.53	7.66	7.47
California	8.73	8.69	8.89	8.88	8.32	8.42	9.51	10.49
Colorado	6.43	8.71	8.90	8.80	8.19	7.29	7.24	7.23
Connecticut	10.71	11.35	12.08	12.05	11.74	10.90	10.47	9.44
Delaware	12.22	12.69	12.42	12.72	11.32	11.03	9.60	9.53
District of Columbia	11.10	10.56	12.22	12.43	12.12	11.79	11.83	11.02
Florida	11.47	11.52	11.35	11.84	12.09	11.65	11.69	11.20
Georgia	8.53	8.50	8.60	8.82	8.57	8.56	8.12	7.77
Hawaii	31.07	30.33	28.26	28.65	29.61	33.98	34.52	30.85
Idaho	5.24	5.66	6.00	5.99	6.10	5.84	5.63	5.30
Illinois	7.44	12.89	12.77	12.82	11.57	9.24	7.53	6.38
Indiana	6.81	9.43	11.44	11.17	10.66	8.89	7.83	6.41
Iowa	5.36	7.25	7.50	7.01	7.14	7.09	6.21	6.38
Kansas	7.74	11.52	12.60	11.82	10.92	9.92	11.75	6.92
Kentucky	10.29	11.80	12.27	13.07	12.99	11.50	9.44	7.53
Louisiana	8.35	8.22	7.49	8.03	8.38	8.67	8.35	8.38
Maine	10.70	12.20	12.99	13.36	12.20	11.85	13.05	13.21
Maryland	10.40	12.43	11.96	11.49	12.46	10.87	12.00	9.47
Massachusetts	9.42	10.25	10.43	10.42	10.53	11.27	11.62	11.65
Michigan	6.93	9.08	9.57	9.54	8.35	7.55	7.01	6.58
Minnesota	5.38	6.87	7.42	7.98	7.51	6.66	6.51	6.54
Mississippi	8.76	7.74	7.73	7.85	8.16	8.71	8.46	8.51
Missouri	9.28	10.00	10.14	10.31	9.73	8.42	7.51	7.19
Montana	7.08	8.89	7.81	8.57	7.89	7.92	6.92	6.48
Nebraska	5.27	5.53	5.94	6.08	5.85	5.50	5.72	5.64
Nevada	7.72	8.08	8.19	7.66	6.90	6.68	6.19	5.36
New Hampshire	13.85	16.76	17.12	16.11	13.41	12.51	11.75	11.77
New Jersey	8.92	9.18	9.07	8.85	9.53	8.41	7.86	8.99
New Mexico	5.41	5.41	4.37	5.21	5.65	4.35	3.51	4.79
New York	6.72	6.02	6.01	6.18	6.59	7.12	7.17	7.45
North Carolina	9.08	9.32	8.53	10.11	9.14	9.48	9.28	7.77
North Dakota	5.30	6.27	7.02	7.10	6.35	5.55	5.41	5.46
Ohio	6.40	7.54	7.36	7.54	7.24	6.51	6.12	5.59
Oklahoma	13.77	15.07	16.33	14.74	13.08	10.99	8.49	6.04
Oregon	7.95	8.75	9.35	8.61	4.33	8.68	8.24	7.71
Pennsylvania	10.88	11.83	12.33	12.45	12.25	14.18	9.78	9.16
Rhode Island	17.15	18.39	19.19	18.65	15.56	13.46	12.44	12.21
South Carolina	8.73	7.55	8.16	9.09	8.52	8.38	8.64	8.40
South Dakota	5.41	7.20	7.18	6.75	6.00	5.49	5.27	5.24
Tennessee	8.59	9.11	9.02	8.40	9.00	9.13	8.09	7.68
Texas	7.51	7.39	7.23	6.93	6.50	6.38	5.74	5.68
Utah	5.91	6.51	6.61	6.28	5.72	5.76	6.28	6.42
Vermont	4.69	4.81	4.71	4.72	5.39	6.24	6.68	6.57
Virginia	9.12	9.18	9.88	9.05	10.34	8.23	8.95	8.03
Washington	7.26	8.25	8.60	8.43	8.19	7.58	7.35	6.75
West Virginia	8.76	10.32	10.21	10.17	10.55	9.68	8.30	7.65
Wisconsin	5.56	6.29	6.00	6.41	5.81	5.32	5.82	6.36
Wyoming	6.89	7.94	7.95	7.51	6.64	6.27	6.04	5.85
Total	7.64	8.34	8.42	8.47	8.23	8.06	7.73	7.41

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2019		Total	December	November	October	September	2018
	February	January						August
Alabama	11.47	11.42	11.89	11.41	11.71	12.31	12.50	12.47
Alaska	9.41	9.39	9.99	9.32	9.60	9.89	10.62	10.86
Arizona	7.45	7.44	8.69	7.65	8.00	8.52	7.87	7.18
Arkansas	7.48	7.74	7.95	7.47	7.50	7.79	8.54	8.95
California	9.89	10.40	8.57	10.04	8.67	7.61	8.37	8.21
Colorado	7.17	6.88	6.84	6.05	6.27	6.82	9.31	9.20
Connecticut	9.35	9.10	9.23	9.26	8.87	10.20	11.09	10.77
Delaware	9.14	9.05	10.49	8.66	10.03	11.78	12.46	13.73
District of Columbia	11.14	11.52	10.42	10.87	11.14	10.61	10.79	10.62
Florida	11.27	10.98	11.20	10.83	11.12	10.89	11.63	11.40
Georgia	7.90	9.29	8.17	7.45	8.13	8.66	9.14	8.86
Hawaii	29.48	26.56	30.96	28.81	30.45	33.20	32.31	29.72
Idaho	5.30	5.32	6.03	5.29	5.37	5.45	6.41	6.66
Illinois	6.63	6.36	7.24	6.60	6.42	8.17	12.70	13.50
Indiana	6.44	6.48	7.37	7.11	6.87	7.21	10.69	10.63
Iowa	6.03	6.45	6.84	7.18	6.92	6.89	9.52	8.76
Kansas	6.86	7.41	8.63	7.52	6.88	8.93	12.39	12.85
Kentucky	7.86	7.70	8.43	7.83	7.73	9.43	10.72	12.42
Louisiana	8.16	9.32	8.71	9.07	8.73	8.91	8.27	8.37
Maine	13.86	13.70	13.01	14.66	12.28	11.26	12.84	13.81
Maryland	10.47	9.18	9.57	9.72	9.38	10.49	11.48	10.74
Massachusetts	11.46	11.80	12.84	12.91	10.74	9.46	10.79	10.92
Michigan	6.51	6.41	6.91	6.82	6.52	7.09	8.89	9.12
Minnesota	7.11	7.16	7.08	7.15	6.83	6.46	7.75	8.66
Mississippi	8.72	9.08	8.50	9.20	8.88	9.01	7.87	8.29
Missouri	7.04	7.42	7.96	7.60	8.13	9.67	10.13	10.47
Montana	6.51	6.72	7.09	6.49	6.64	7.22	9.06	9.25
Nebraska	6.10	6.90	6.28	6.91	6.37	6.30	6.75	6.70
Nevada	5.24	5.38	6.34	5.53	5.74	6.42	7.02	7.20
New Hampshire	12.56	13.03	12.72	12.77	11.71	13.97	16.90	16.76
New Jersey	9.13	9.73	9.01	9.89	9.25	8.43	9.31	9.35
New Mexico	4.59	4.69	5.57	5.62	5.73	5.92	6.02	5.80
New York	7.88	8.44	7.36	7.71	7.01	6.90	6.71	6.83
North Carolina	9.46	8.77	8.48	8.71	8.49	8.46	9.46	9.99
North Dakota	5.70	6.15	5.90	6.11	5.71	5.60	6.98	7.30
Ohio	5.70	6.00	5.92	6.06	5.78	6.32	7.45	7.68
Oklahoma	5.92	5.30	7.09	5.21	7.32	12.42	14.19	13.86
Oregon	7.39	7.94	8.48	7.90	7.93	8.52	9.23	9.93
Pennsylvania	9.02	8.56	9.37	8.91	8.74	9.64	10.90	11.91
Rhode Island	12.13	12.30	12.98	12.42	14.07	17.84	19.23	18.98
South Carolina	9.05	9.10	9.37	11.30	8.55	9.18	9.15	8.90
South Dakota	5.48	5.86	5.91	6.04	6.14	5.98	7.47	7.79
Tennessee	8.29	8.26	8.41	8.04	7.83	8.96	9.81	10.25
Texas	5.87	5.92	6.55	5.75	5.90	6.77	7.31	7.50
Utah	6.50	6.41	7.37	6.38	6.08	6.27	6.61	6.70
Vermont	6.65	6.98	6.77	7.41	6.67	5.81	5.62	5.43
Virginia	8.51	8.29	8.08	8.33	8.08	8.24	8.89	8.52
Washington	6.62	6.74	7.90	6.81	6.91	7.82	8.53	8.78
West Virginia	7.67	7.55	8.11	7.65	7.75	8.57	10.23	9.99
Wisconsin	6.44	6.52	6.44	7.18	6.44	5.69	6.45	6.89
Wyoming	6.09	6.04	6.61	5.74	6.07	6.73	7.30	7.16
Total	7.55	7.67	7.79	7.70	7.34	7.69	8.57	8.69

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	12.49	12.40	12.16	12.31	11.91	11.85	11.45
Alaska	11.45	10.86	10.54	10.18	9.91	9.90	9.84
Arizona	9.14	9.38	9.43	9.23	9.16	9.13	9.20
Arkansas	8.86	8.94	8.34	7.80	8.33	7.92	7.69
California	8.32	7.74	7.74	7.97	8.88	9.13	8.91
Colorado	10.84	9.05	8.43	6.49	6.81	6.27	6.33
Connecticut	11.12	11.41	11.43	8.61	8.47	8.40	7.94
Delaware	13.59	12.55	11.31	10.28	10.01	10.08	10.71
District of Columbia	10.65	9.20	10.16	10.24	10.13	11.10	9.87
Florida	11.17	11.32	11.15	11.08	10.97	11.50	11.36
Georgia	9.42	9.11	8.58	8.56	7.99	8.09	7.73
Hawaii	31.49	30.71	32.85	31.72	30.54	32.16	28.12
Idaho	6.88	6.61	6.91	6.49	6.20	6.15	6.54
Illinois	14.13	12.28	10.71	6.77	6.53	6.34	6.18
Indiana	11.63	10.67	11.02	6.98	6.74	7.30	6.33
Iowa	8.99	7.93	7.07	6.17	6.48	6.63	6.22
Kansas	13.20	12.20	11.70	9.72	9.06	8.11	7.88
Kentucky	12.76	12.91	10.91	8.07	8.10	8.03	7.41
Louisiana	8.61	8.72	8.60	8.79	9.35	8.30	8.69
Maine	13.74	12.35	12.34	12.97	13.18	12.58	12.91
Maryland	10.02	11.40	10.43	9.02	8.40	10.21	8.91
Massachusetts	10.57	10.24	13.62	15.37	14.80	13.27	11.89
Michigan	8.45	9.14	8.20	6.71	6.62	6.78	6.49
Minnesota	8.74	8.46	7.14	6.81	7.02	6.99	7.01
Mississippi	8.54	8.34	8.73	8.15	9.18	8.51	7.69
Missouri	10.44	10.09	7.98	7.82	7.77	7.31	7.41
Montana	8.97	8.43	7.38	6.89	7.10	6.77	6.90
Nebraska	6.40	6.29	5.56	5.77	6.33	6.41	5.99
Nevada	7.22	7.19	6.91	6.59	6.23	6.23	6.21
New Hampshire	16.42	13.77	13.76	13.50	13.25	11.84	11.15
New Jersey	9.24	9.11	8.32	7.32	9.21	9.40	8.91
New Mexico	5.61	5.45	5.34	5.33	5.50	5.45	5.57
New York	7.02	7.18	7.38	7.20	7.87	7.86	7.22
North Carolina	10.15	10.32	9.96	8.80	7.49	8.33	7.55
North Dakota	7.33	6.57	6.79	5.36	5.54	5.71	5.92
Ohio	7.87	7.16	6.64	5.57	5.46	5.59	5.39
Oklahoma	14.56	11.85	8.54	7.25	6.41	6.19	5.80
Oregon	9.55	9.30	9.21	8.74	8.15	8.00	8.87
Pennsylvania	12.29	11.76	10.87	9.64	8.93	9.44	8.76
Rhode Island	18.44	16.76	14.43	13.64	12.55	11.15	10.88
South Carolina	9.39	9.09	8.70	8.82	8.53	10.29	9.48
South Dakota	7.55	6.51	5.66	5.43	5.64	5.57	5.82
Tennessee	10.06	9.56	8.55	7.96	8.25	8.37	8.08
Texas	7.45	7.43	7.07	6.69	6.67	6.47	6.14
Utah	6.62	6.95	7.16	7.68	7.78	8.47	8.02
Vermont	5.66	5.36	6.12	6.65	7.01	7.62	7.94
Virginia	8.84	8.63	8.56	8.01	7.32	8.74	7.48
Washington	9.32	8.02	8.50	8.37	7.94	8.07	8.30
West Virginia	10.39	10.47	9.63	8.02	7.81	7.91	7.65
Wisconsin	6.56	5.84	6.02	5.67	6.23	6.75	6.50
Wyoming	6.97	7.02	6.91	6.93	6.68	6.76	6.67
Total	8.84	8.58	8.34	7.65	7.71	7.74	7.40

^{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, 2018-2020
(dollars per thousand cubic feet)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	2020				
				October	September	August	July	June
Alabama	3.33	3.93	4.06	3.43	3.44	3.23	2.83	2.93
Alaska	NA	5.85	5.76	5.83	3.23	3.50	NA	5.44
Arizona	3.82	4.24	6.24	4.43	4.53	3.65	4.09	4.48
Arkansas	NA	6.39	6.80	5.71	NA	6.43	5.89	5.50
California	7.44	7.65	6.95	7.19	6.99	6.76	6.77	6.86
Colorado	4.89	5.71	5.34	6.07	5.80	6.40	6.61	7.33
Connecticut	6.08	7.00	6.46	6.24	6.48	6.03	5.77	6.24
Delaware	10.61	9.56	10.02	10.95	11.78	10.12	11.81	11.51
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	6.23	6.32	NA	NA	NA	5.65	5.27
Georgia	NA	4.27	4.47	3.87	4.05	NA	2.67	3.20
Hawaii	20.67	21.37	22.50	18.80	20.28	20.67	20.27	18.43
Idaho	3.64	3.61	4.08	3.73	3.58	3.58	3.58	3.77
Illinois	NA	5.63	5.63	5.23	NA	NA	3.23	NA
Indiana	5.36	5.92	6.11	5.04	5.92	6.37	6.72	6.91
Iowa	4.07	5.00	5.14	4.39	4.72	4.00	3.49	3.46
Kansas	NA	3.91	4.32	3.76	3.40	3.41	2.89	3.09
Kentucky	3.26	4.08	4.28	3.06	3.44	2.89	2.64	2.84
Louisiana	NA	3.41	3.46	NA	NA	NA	2.33	2.24
Maine	7.34	8.67	8.83	6.02	5.95	4.65	4.59	6.02
Maryland	8.75	10.18	8.91	8.82	10.30	8.98	6.74	7.34
Massachusetts	9.17	10.00	10.33	6.01	7.15	6.15	7.44	7.30
Michigan	5.91	6.05	5.97	6.37	5.94	6.88	6.26	6.79
Minnesota	NA	4.38	4.67	3.36	3.69	NA	3.50	3.73
Mississippi	3.81	4.72	4.98	3.94	3.66	3.60	3.54	3.45
Missouri	5.71	6.28	6.50	5.49	5.15	4.90	4.96	5.14
Montana	5.87	5.86	6.48	5.96	5.91	6.43	6.70	5.73
Nebraska	3.60	4.32	4.42	3.67	3.34	3.16	3.22	3.20
Nevada	6.37	5.48	5.57	5.46	5.86	5.86	6.14	6.38
New Hampshire	8.00	9.14	9.71	7.37	7.18	7.00	6.14	5.58
New Jersey	NA	7.72	7.91	NA	NA	6.95	NA	6.12
New Mexico	NA	3.37	3.59	4.02	2.56	2.88	2.55	1.96
New York	NA	7.78	7.83	NA	NA	6.16	6.25	6.09
North Carolina	5.07	5.91	6.13	4.84	4.88	4.84	4.94	5.07
North Dakota	NA	2.78	3.02	2.10	2.05	1.73	1.66	1.75
Ohio	NA	6.27	6.61	6.33	5.79	5.67	5.11	5.53
Oklahoma	NA	2.52	2.46	2.42	2.76	2.18	NA	2.01
Oregon	NA	4.56	5.04	5.31	5.13	4.84	4.59	NA
Pennsylvania	7.94	8.90	8.87	8.24	8.60	7.95	8.05	8.16
Rhode Island	NA	9.89	10.56	9.70	10.06	NA	9.17	9.09
South Carolina	3.74	4.63	4.74	3.93	4.14	3.40	3.44	3.23
South Dakota	4.30	5.11	4.93	5.35	5.66	5.51	5.34	4.73
Tennessee	NA	4.67	4.85	3.63	3.64	3.17	3.19	3.31
Texas	2.11	2.92	3.23	2.46	2.61	2.15	1.72	1.87
Utah	NA	4.93	5.31	4.91	4.90	4.76	4.92	4.73
Vermont	3.64	4.16	4.44	3.63	3.94	3.52	3.34	3.47
Virginia	NA	4.45	5.00	3.68	3.91	3.46	3.57	3.72
Washington	NA	6.50	7.46	NA	NA	7.60	7.63	7.52
West Virginia	NA	3.04	3.35	2.29	2.16	2.09	1.73	2.07
Wisconsin	4.23	5.04	4.89	3.74	3.78	4.30	2.73	3.91
Wyoming	NA	3.93	3.95	4.08	4.31	4.48	3.91	3.90
Total	3.12	3.91	4.02	3.25	3.16	2.92	2.55	2.72

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2018-2020

(dollars per thousand cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	3.07	3.03	3.56	3.73	3.83	3.95	4.07	3.96
Alaska	4.74	5.54	6.25	6.04	5.72	5.85	5.73	5.98
Arizona	3.80	3.77	3.03	3.50	3.53	4.12	3.64	3.58
Arkansas	5.12	5.58	6.00	6.13	6.46	6.25	5.75	5.63
California	6.69	7.26	7.77	8.35	9.02	7.69	8.58	7.16
Colorado	4.45	4.29	4.27	4.08	3.98	5.36	4.32	4.31
Connecticut	5.43	6.35	6.14	6.09	6.05	6.82	6.14	5.88
Delaware	11.77	10.66	10.45	9.88	9.74	9.67	9.93	10.60
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	5.46	NA	5.91	NA	6.16	5.95	5.80
Georgia	NA	3.25	3.41	3.58	3.85	4.23	4.03	4.05
Hawaii	16.78	18.52	21.57	24.91	25.02	22.93	23.54	36.52
Idaho	3.65	3.69	3.65	3.52	3.67	3.60	3.61	3.48
Illinois	4.44	4.82	4.18	4.31	4.36	5.25	4.13	4.08
Indiana	5.94	4.80	5.09	5.00	5.05	5.76	5.35	5.12
Iowa	3.95	3.76	3.99	3.95	4.59	4.93	4.84	4.73
Kansas	3.08	3.73	4.60	4.99	NA	3.97	4.95	4.43
Kentucky	3.36	3.25	3.30	3.63	3.74	4.06	3.89	4.00
Louisiana	2.18	2.42	2.55	2.82	3.07	3.36	3.19	3.06
Maine	5.64	9.45	8.72	8.87	8.79	8.67	8.81	8.51
Maryland	7.88	7.73	9.12	8.55	10.11	10.07	10.42	8.87
Massachusetts	9.67	10.41	10.10	10.05	10.26	9.92	10.04	8.95
Michigan	6.08	6.17	5.74	5.65	5.64	6.01	5.91	5.81
Minnesota	3.87	3.54	3.91	NA	NA	4.44	4.61	4.79
Mississippi	3.75	3.85	3.98	3.90	4.15	4.70	4.77	4.47
Missouri	5.14	5.82	5.96	6.11	6.37	6.20	5.94	5.83
Montana	6.06	5.97	5.66	5.93	5.67	5.85	5.84	5.82
Nebraska	3.12	3.52	3.71	4.12	4.31	4.27	4.33	3.82
Nevada	6.75	6.67	6.84	6.65	6.50	5.81	6.23	7.90
New Hampshire	6.35	7.85	8.25	9.26	9.62	9.45	13.88	8.36
New Jersey	6.36	6.06	6.94	NA	NA	7.63	6.99	7.88
New Mexico	NA	2.08	3.22	NA	3.99	3.48	3.64	3.96
New York	6.45	7.41	8.22	7.94	8.45	7.70	7.46	7.06
North Carolina	4.88	5.08	5.17	5.29	5.30	5.78	5.36	5.16
North Dakota	1.93	1.66	1.91	2.19	NA	2.82	3.04	2.96
Ohio	5.30	5.00	NA	5.07	5.62	6.21	5.85	6.15
Oklahoma	1.97	1.43	1.78	1.98	1.98	2.50	2.32	2.52
Oregon	4.82	4.72	4.94	5.04	5.07	4.62	4.88	4.86
Pennsylvania	7.63	7.67	7.86	7.99	7.95	8.52	8.55	6.00
Rhode Island	9.50	9.38	9.15	8.88	8.14	9.70	8.17	9.34
South Carolina	3.46	3.56	3.75	4.03	4.19	4.67	4.42	5.22
South Dakota	4.38	3.88	3.93	3.99	4.17	4.78	4.18	4.07
Tennessee	NA	3.77	NA	4.37	4.60	4.68	4.89	4.59
Texas	1.97	1.84	2.02	2.08	2.30	2.88	2.54	2.78
Utah	4.68	4.91	NA	5.38	5.63	5.00	5.68	4.92
Vermont	3.66	3.48	3.73	3.73	3.81	4.13	4.03	3.99
Virginia	NA	3.59	3.54	NA	NA	4.66	8.79	3.80
Washington	8.06	8.15	NA	NA	8.01	6.86	8.44	7.98
West Virginia	2.33	NA	2.52	2.68	NA	3.04	2.99	3.09
Wisconsin	3.67	4.27	4.88	4.75	4.59	5.06	5.06	5.20
Wyoming	4.36	4.28	NA	4.67	3.99	3.91	3.78	3.87
Total	2.86	2.96	3.34	3.54	3.66	3.90	3.88	3.86

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	3.63	3.63	3.39	3.49	3.66	3.71	3.99	4.25
Alaska	6.00	6.05	5.36	5.47	5.42	5.66	5.68	6.11
Arizona	3.93	3.73	3.52	5.11	3.30	3.32	4.61	4.82
Arkansas	6.83	6.11	6.63	6.68	6.36	5.98	6.04	6.34
California	6.97	6.78	6.97	6.96	6.60	6.81	7.86	9.01
Colorado	5.20	5.73	5.78	5.81	5.86	5.69	5.43	5.73
Connecticut	6.01	6.14	6.67	6.66	7.34	7.34	7.42	7.54
Delaware	9.88	9.14	10.30	8.19	10.69	12.50	10.22	9.10
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.65	6.49	5.88	5.89	5.71	5.64	5.92	6.49
Georgia	3.91	3.74	3.72	3.86	4.02	4.06	4.43	4.51
Hawaii	23.56	21.06	20.85	16.86	23.52	23.62	22.48	21.11
Idaho	3.55	3.59	3.69	3.63	3.64	3.62	3.61	3.64
Illinois	4.98	5.72	5.88	12.44	7.03	4.37	6.09	6.00
Indiana	4.78	6.10	6.77	7.11	6.82	6.21	5.90	5.73
Iowa	4.69	4.61	4.11	4.35	4.75	4.74	4.94	5.57
Kansas	4.17	3.55	3.49	3.44	4.10	4.67	5.38	6.30
Kentucky	3.57	3.27	3.46	3.63	3.93	3.95	4.11	3.89
Louisiana	2.86	2.65	2.79	3.11	3.14	3.22	3.45	3.63
Maine	5.70	5.68	5.75	5.74	6.71	6.95	10.69	10.89
Maryland	10.08	10.84	10.27	7.14	11.12	9.82	11.75	9.88
Massachusetts	7.58	7.67	8.76	8.39	8.82	9.79	11.05	10.67
Michigan	6.02	6.79	6.96	6.89	6.39	6.41	6.13	5.82
Minnesota	3.32	3.69	3.79	3.63	4.14	4.21	4.18	4.59
Mississippi	4.20	3.96	4.03	4.10	4.32	3.85	5.31	4.95
Missouri	5.58	5.35	5.55	5.57	5.78	5.83	6.36	6.61
Montana	5.58	5.54	5.04	5.64	5.74	5.68	6.08	5.91
Nebraska	3.70	3.69	3.79	4.03	3.81	3.95	4.49	4.21
Nevada	7.34	6.72	6.84	6.40	5.98	5.58	5.17	4.65
New Hampshire	6.57	6.47	6.73	6.47	6.52	8.03	9.25	9.34
New Jersey	6.67	6.06	5.90	7.09	6.62	6.49	6.88	7.85
New Mexico	3.69	3.62	3.45	3.20	2.61	2.13	2.93	4.08
New York	6.04	6.14	5.92	6.69	6.54	7.34	7.85	8.28
North Carolina	5.13	5.19	5.32	5.48	5.58	5.56	5.65	5.79
North Dakota	2.82	2.07	2.11	2.19	2.30	2.36	2.72	3.38
Ohio	9.49	5.19	4.83	5.73	5.85	6.13	5.95	6.07
Oklahoma	2.08	1.99	1.90	2.27	2.12	2.19	2.24	2.87
Oregon	4.49	4.48	4.43	4.19	4.62	4.94	4.30	4.62
Pennsylvania	6.34	10.28	11.66	9.28	9.31	9.51	9.62	9.31
Rhode Island	9.73	9.70	10.28	10.44	10.13	10.17	10.02	9.62
South Carolina	3.04	5.19	3.85	4.14	4.35	4.26	4.93	5.04
South Dakota	9.65	6.21	5.39	4.82	4.55	4.52	4.20	5.14
Tennessee	3.93	3.74	3.66	3.97	4.20	4.37	4.80	5.26
Texas	2.56	2.55	2.40	2.61	2.84	2.85	2.95	3.05
Utah	4.55	4.48	4.51	4.55	4.45	4.43	5.08	5.54
Vermont	3.60	3.82	3.72	3.83	4.02	4.03	4.32	4.43
Virginia	3.60	3.91	8.09	4.07	4.47	3.93	4.22	4.33
Washington	4.17	7.19	7.32	7.49	7.76	7.02	6.91	6.84
West Virginia	2.47	2.49	2.46	2.61	2.96	2.91	3.20	3.53
Wisconsin	4.66	4.61	4.46	3.94	4.27	4.36	4.73	5.58
Wyoming	4.21	4.13	3.97	3.36	3.75	3.85	3.63	3.83
Total	3.42	3.34	3.20	3.34	3.54	3.64	3.99	4.31

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2018-2020

(dollars per thousand cubic feet) – continued

State	2019		Total	December	November	October	September	2018
	February	January						August
Alabama	4.45	4.79	4.22	5.29	4.52	4.00	3.88	3.82
Alaska	6.19	6.10	5.81	5.85	6.12	6.08	6.13	5.99
Arizona	5.02	4.97	5.98	5.19	4.57	5.93	5.56	5.03
Arkansas	6.39	6.57	6.78	6.67	6.78	6.63	6.77	7.04
California	8.61	9.12	7.12	8.72	7.09	6.19	7.13	8.16
Colorado	6.04	5.75	5.28	4.98	5.16	5.50	3.04	6.62
Connecticut	7.24	7.22	6.55	7.39	6.45	6.31	6.08	6.29
Delaware	9.21	9.46	10.07	9.62	11.72	11.17	10.82	9.98
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.61	7.62	6.38	7.23	6.04	6.08	5.54	6.22
Georgia	4.81	5.36	4.63	6.03	4.74	4.42	4.41	4.30
Hawaii	20.77	19.84	22.62	22.29	24.11	24.19	23.38	22.37
Idaho	3.62	3.58	3.98	3.57	3.62	3.49	4.09	4.06
Illinois	5.29	5.35	5.55	5.50	5.07	5.75	6.50	7.42
Indiana	5.71	5.92	6.10	6.12	6.04	5.11	7.91	7.16
Iowa	5.36	5.66	5.37	6.35	5.82	5.05	5.38	4.79
Kansas	7.00	7.56	4.38	6.97	6.34	5.21	4.37	4.10
Kentucky	5.37	5.26	4.40	5.27	4.53	4.35	4.05	3.90
Louisiana	4.33	5.12	3.52	4.07	3.67	3.45	3.25	3.53
Maine	11.02	11.00	9.26	11.08	10.66	5.89	5.80	5.81
Maryland	11.34	9.72	9.14	10.41	9.33	8.80	11.44	9.99
Massachusetts	10.90	11.10	10.31	11.11	9.06	7.01	6.91	7.79
Michigan	5.99	5.88	5.98	6.12	5.90	6.19	6.53	6.95
Minnesota	5.19	5.51	4.80	5.51	4.90	4.57	4.56	4.59
Mississippi	5.65	6.22	5.09	5.83	5.32	4.75	4.63	4.74
Missouri	6.62	7.05	6.51	6.69	6.34	5.92	5.83	5.71
Montana	6.12	6.14	6.42	6.12	6.23	6.00	6.10	5.86
Nebraska	4.89	5.75	4.48	5.05	4.46	4.36	4.30	4.28
Nevada	4.32	4.37	5.35	4.40	4.71	4.92	5.70	5.81
New Hampshire	11.19	11.49	9.81	11.42	8.92	6.98	6.93	7.77
New Jersey	8.34	9.33	8.03	9.00	7.59	6.52	6.93	8.02
New Mexico	4.66	4.76	3.72	4.53	4.32	4.36	3.59	3.17
New York	8.95	9.15	7.83	8.21	7.27	7.06	7.31	7.42
North Carolina	6.86	6.99	6.18	6.49	6.21	5.83	5.60	5.82
North Dakota	3.78	4.47	3.29	4.84	3.92	2.94	2.83	2.83
Ohio	6.32	6.02	6.57	6.26	6.59	6.86	7.46	7.36
Oklahoma	3.26	3.80	2.67	4.70	2.68	2.32	2.16	2.37
Oregon	4.77	4.67	5.01	4.83	4.91	4.93	4.98	5.00
Pennsylvania	9.18	9.59	8.69	7.68	8.47	8.65	9.81	9.18
Rhode Island	9.59	9.70	10.46	9.72	10.57	11.37	11.12	10.97
South Carolina	5.21	6.02	4.92	6.11	5.36	4.56	4.59	4.34
South Dakota	4.66	5.13	5.02	5.31	5.11	6.33	6.00	5.49
Tennessee	5.55	5.92	4.95	5.85	4.90	4.46	4.32	4.30
Texas	3.27	3.92	3.42	4.86	3.87	3.50	3.21	3.02
Utah	5.42	5.57	5.31	5.61	4.86	4.51	4.57	4.55
Vermont	4.48	4.80	4.55	5.24	4.72	4.35	4.30	4.26
Virginia	4.27	5.12	5.08	6.14	4.72	5.10	4.96	5.30
Washington	6.70	5.46	7.17	6.10	6.45	7.05	7.41	7.82
West Virginia	3.53	4.07	3.54	4.84	4.09	3.34	3.21	3.18
Wisconsin	5.37	5.74	5.20	6.80	5.86	4.65	3.82	4.03
Wyoming	4.22	4.14	3.92	3.71	3.86	4.37	3.69	3.51
Total	4.62	5.02	4.19	5.47	4.51	4.03	3.75	3.67

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	3.84	3.83	3.84	3.84	3.87	4.82	4.68
Alaska	6.13	5.45	5.65	5.02	5.40	5.68	5.79
Arizona	6.36	6.41	6.41	6.20	6.89	6.95	6.55
Arkansas	7.05	6.64	6.53	6.59	7.08	6.83	6.77
California	6.52	6.17	6.17	6.44	7.53	7.56	7.63
Colorado	7.03	6.93	5.78	5.17	5.53	5.45	5.36
Connecticut	6.53	6.83	6.86	6.44	6.49	6.49	6.35
Delaware	10.35	9.77	9.96	9.35	9.57	9.75	10.25
District of Columbia	--	--	--	--	--	--	--
Florida	5.95	5.57	6.44	6.55	6.91	5.93	7.44
Georgia	4.42	4.13	4.39	4.62	4.46	5.19	4.43
Hawaii	23.04	23.32	23.05	22.04	21.57	21.70	20.32
Idaho	4.20	4.12	4.23	4.18	4.09	4.14	4.25
Illinois	7.17	6.12	5.51	5.00	5.16	6.07	5.30
Indiana	7.23	6.42	6.29	5.96	5.72	5.74	6.24
Iowa	4.46	4.33	4.37	5.18	5.28	6.08	5.55
Kansas	4.12	4.15	4.18	4.40	4.53	6.66	6.93
Kentucky	3.94	3.90	4.03	4.13	4.42	5.09	4.53
Louisiana	3.23	3.38	3.54	3.08	3.75	3.57	3.85
Maine	6.43	6.32	6.83	11.20	11.75	11.72	9.74
Maryland	9.93	9.65	9.38	8.81	8.30	8.59	9.00
Massachusetts	7.46	7.68	10.62	13.39	12.40	11.52	10.05
Michigan	6.14	6.69	6.21	5.83	5.90	5.90	5.71
Minnesota	4.57	4.58	4.43	4.16	4.43	5.41	4.91
Mississippi	4.82	4.73	4.74	4.82	5.37	5.48	5.35
Missouri	5.86	5.69	6.03	7.03	6.86	6.80	6.90
Montana	5.70	6.25	6.26	6.86	6.61	6.44	7.08
Nebraska	4.16	3.78	3.79	4.18	5.09	4.89	4.84
Nevada	6.04	6.22	5.85	5.54	5.47	5.39	5.39
New Hampshire	7.86	7.51	10.84	11.69	10.88	9.39	9.62
New Jersey	6.93	6.67	6.61	6.70	8.96	8.85	8.46
New Mexico	2.79	2.48	2.99	3.79	4.67	4.96	5.04
New York	7.97	8.09	7.99	7.95	8.54	7.93	7.40
North Carolina	5.74	5.80	5.95	6.08	5.88	6.45	7.12
North Dakota	2.77	2.69	2.69	2.62	2.75	4.12	3.84
Ohio	8.19	7.67	6.86	6.30	6.42	6.46	6.06
Oklahoma	2.44	2.24	2.06	1.73	2.58	3.41	3.21
Oregon	5.05	4.79	4.91	4.95	5.21	5.24	5.20
Pennsylvania	10.10	9.86	8.78	8.63	8.68	9.76	8.27
Rhode Island	11.63	11.46	11.41	11.29	10.14	8.75	8.62
South Carolina	4.67	4.41	4.35	4.40	4.69	5.42	6.11
South Dakota	5.58	4.78	4.38	4.23	4.86	4.76	4.70
Tennessee	4.52	4.36	4.59	4.82	5.17	5.84	5.46
Texas	3.22	3.25	3.13	3.01	2.89	3.81	3.35
Utah	4.49	5.01	5.15	5.66	5.94	6.12	6.05
Vermont	4.22	4.14	4.18	4.22	4.33	5.00	5.08
Virginia	4.95	4.86	4.99	4.61	4.98	5.27	5.01
Washington	7.65	7.13	7.62	7.46	7.55	7.58	7.45
West Virginia	3.28	3.20	3.16	3.10	3.13	4.40	3.43
Wisconsin	3.97	4.31	4.03	4.25	5.31	6.21	5.73
Wyoming	3.22	3.25	3.92	4.30	4.20	4.23	4.05
Total	3.75	3.77	3.80	3.89	4.00	4.85	4.46

-- 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, 2018-2020
(dollars per thousand cubic feet)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD	2020				
				October	September	August	July	June
Alabama	W	W	W	W	W	W	W	W
Alaska	7.85	7.83	6.77	7.82	7.82	7.82	7.86	7.86
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	W	W	3.73	3.92	W	2.50	W
Colorado	W	W	W	W	W	W	W	W
Connecticut	2.20	3.26	4.44	2.09	1.76	1.88	1.81	1.71
Delaware	W	--	W	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W	W
Georgia	W	W	W	W	2.44	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	2.58	6.53	3.00	3.87	2.70	2.37	1.91	2.93
Illinois	W	W	W	W	W	W	1.89	W
Indiana	W	W	W	2.25	2.12	2.36	W	1.84
Iowa	2.04	2.74	3.09	2.37	2.15	2.15	1.87	1.86
Kansas	2.54	2.65	3.21	2.50	2.71	2.74	2.52	2.42
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	W	W	W	W	W	W	W
Maryland	W	3.16	W	2.13	W	2.49	2.17	2.04
Massachusetts	W	W	4.66	2.30	1.84	2.15	2.88	W
Michigan	2.08	2.74	3.27	2.16	2.10	2.37	1.99	1.86
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	1.70	1.54	W	1.82	1.92	2.08	1.64	1.56
Nebraska	3.52	2.98	3.62	3.29	2.97	2.86	2.44	2.32
Nevada	2.61	3.11	2.98	2.74	3.11	2.56	2.16	2.20
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	1.78	2.93	3.05	1.39	1.42	1.54	1.72	1.62
New Mexico	1.46	1.32	2.56	1.65	1.73	1.64	1.65	1.78
New York	2.01	2.98	3.72	1.81	1.76	1.85	1.82	1.70
North Carolina	W	W	W	W	W	W	W	W
North Dakota	2.63	3.56	2.91	2.41	2.75	2.99	2.57	1.85
Ohio	1.86	2.56	3.07	1.95	1.93	1.97	1.75	1.67
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	1.61	2.40	3.01	1.35	1.34	1.53	1.65	1.53
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	2.70	3.24	4.21	2.97	2.71	2.83	2.45	2.39
South Dakota	--	--	2.89	--	--	--	--	--
Tennessee	2.34	2.88	2.99	2.55	2.48	2.36	2.05	2.10
Texas	2.00	2.45	3.07	2.36	2.19	2.31	1.91	1.77
Utah	2.44	3.14	2.82	2.77	2.88	2.22	1.93	2.01
Vermont	--	--	W	--	--	--	--	--
Virginia	2.40	W	W	1.97	1.96	2.12	2.02	2.09
Washington	W	W	W	W	W	W	W	W
West Virginia	W	W	W	W	W	W	W	W
Wisconsin	W	W	3.15	W	W	W	W	W
Wyoming	W	W	W	W	W	W	W	1.77
Total	2.36	2.97	3.52	2.57	2.49	2.47	2.10	2.08

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	W	W	W	W	W	W	W	W
Alaska	7.86	7.86	7.87	7.87	7.87	7.84	7.87	7.87
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	2.74
California	W	2.40	2.58	2.92	3.56	3.87	4.00	3.55
Colorado	W	W	W	W	W	W	W	W
Connecticut	1.78	1.81	2.40	2.89	3.97	3.48	4.93	3.63
Delaware	--	--	--	W	--	W	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	5.03	--	2.40	1.93	2.44	4.22	3.65	3.20
Illinois	W	W	W	W	W	W	W	W
Indiana	1.93	1.92	1.93	W	2.32	2.72	2.40	2.75
Iowa	1.87	1.86	1.81	2.11	2.37	2.71	2.50	2.72
Kansas	3.00	2.33	2.06	2.85	2.71	2.86	4.60	3.14
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	--	--	--	W	W	--	--
Maryland	2.25	W	2.41	2.52	2.96	3.21	3.45	3.42
Massachusetts	W	W	W	W	6.00	4.73	6.07	W
Michigan	2.06	1.96	1.93	2.10	2.25	2.74	2.49	2.87
Minnesota	W	W	W	W	2.59	W	2.98	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	2.63
Montana	1.65	1.65	1.01	1.54	1.99	1.65	2.28	2.12
Nebraska	3.66	3.71	4.57	6.97	7.27	3.12	4.33	3.88
Nevada	2.33	2.18	2.35	2.68	3.76	3.20	4.17	3.14
New Hampshire	W	W	--	W	W	W	W	W
New Jersey	1.57	1.69	2.19	2.34	2.58	2.91	2.66	2.75
New Mexico	1.81	0.78	0.90	1.04	1.36	1.30	1.83	1.78
New York	1.72	1.71	2.19	2.70	3.09	3.03	3.28	3.09
North Carolina	W	W	W	W	W	W	W	W
North Dakota	2.79	2.06	2.73	2.37	3.54	3.50	2.76	3.13
Ohio	1.79	1.78	1.79	1.89	2.07	2.56	2.34	2.59
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	1.53	1.60	1.64	1.92	2.09	2.42	2.36	2.46
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	2.62	2.70	2.72	2.75	2.95	3.25	3.25	3.27
South Dakota	--	--	--	--	--	W	--	--
Tennessee	2.41	2.31	2.58	2.31	2.50	2.86	2.76	2.77
Texas	1.95	1.81	1.76	1.87	1.96	2.44	2.17	2.53
Utah	2.12	1.96	2.09	2.48	3.61	3.20	3.94	2.94
Vermont	--	--	--	--	--	W	--	--
Virginia	2.08	2.13	2.30	3.92	3.53	3.33	3.70	3.27
Washington	W	W	W	W	W	W	W	W
West Virginia	W	W	W	W	W	W	2.44	2.55
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	W	W	W	W	W	W	W	W
Total	2.25	2.20	2.23	2.50	2.74	2.99	3.05	3.08

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	W	W	W	W	W	W	W	W
Alaska	7.87	7.87	7.87	7.87	7.87	7.87	7.87	7.72
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	3.24	3.49	3.24	3.38	3.04	2.88	3.28	4.53
Colorado	W	W	W	W	W	W	W	W
Connecticut	2.13	2.28	2.30	2.47	2.37	2.53	2.78	4.10
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	3.70	2.53	2.09	2.22	2.37	24.46	--	40.19
Illinois	W	W	W	W	2.47	2.54	2.65	W
Indiana	2.19	2.56	2.49	2.49	2.62	2.80	2.79	W
Iowa	2.20	2.21	2.15	2.26	2.23	2.47	2.55	2.75
Kansas	2.05	2.50	2.29	2.48	2.23	2.46	2.68	5.76
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	W	W	W	W	--	W	W
Maryland	2.41	2.90	2.60	2.72	2.79	3.02	3.12	3.50
Massachusetts	2.41	2.94	2.93	3.30	3.11	W	4.71	5.22
Michigan	2.23	2.63	2.38	2.55	2.56	2.75	2.83	3.33
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	1.95	0.67	0.84	1.17	0.77	1.60	0.87	2.98
Nebraska	3.21	2.83	2.60	2.81	2.70	2.86	3.64	4.02
Nevada	2.61	2.40	2.60	2.54	2.47	2.67	3.02	4.36
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.41	2.46	2.50	2.58	2.48	2.61	2.60	3.71
New Mexico	1.60	1.91	1.16	0.85	0.47	0.49	0.51	1.47
New York	2.03	2.19	2.21	2.39	2.53	2.58	2.76	3.90
North Carolina	W	W	W	W	W	W	W	W
North Dakota	3.28	3.45	2.24	3.39	3.28	3.70	2.68	4.39
Ohio	1.97	2.27	2.19	2.33	2.37	2.55	2.68	3.09
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	1.68	1.87	2.00	2.26	2.27	2.41	2.50	2.88
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	2.97	3.17	2.93	2.95	3.08	3.25	3.45	3.55
South Dakota	--	--	--	--	--	--	--	--
Tennessee	2.78	2.66	2.53	2.63	2.79	2.82	3.31	3.11
Texas	2.34	2.40	2.11	2.21	2.22	2.43	2.48	2.83
Utah	2.55	2.32	2.41	2.33	2.34	2.34	3.12	4.22
Vermont	--	--	--	--	--	--	--	--
Virginia	2.39	2.64	2.50	2.73	2.83	3.27	3.49	3.87
Washington	W	W	W	W	W	W	W	W
West Virginia	W	W	W	W	W	W	W	3.58
Wisconsin	W	W	W	W	2.45	2.63	2.82	3.45
Wyoming	W	W	W	2.15	2.17	W	W	W
Total	2.58	2.68	2.50	2.62	2.67	2.85	2.99	3.59

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2019		Total	December	November	October	September	2018
	February	January						August
Alabama	W	W	W	W	W	W	W	W
Alaska	7.72	7.72	6.72	6.45	6.52	6.41	6.53	6.47
Arizona	W	W	3.08	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	W	4.63	6.34	W	3.78	3.58	5.88
Colorado	W	W	W	W	W	W	W	W
Connecticut	5.34	7.12	4.80	7.41	5.37	3.97	3.39	3.48
Delaware	--	--	W	W	W	W	W	W
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	6.04	4.81	W	W	W
Georgia	W	W	4.01	4.80	4.98	4.00	3.77	3.69
Hawaii	--	--	--	--	--	--	--	--
Idaho	8.54	3.48	3.59	5.38	4.80	2.97	2.87	2.77
Illinois	W	3.92	3.46	4.58	4.21	3.66	3.23	3.28
Indiana	W	3.44	3.44	4.07	4.42	3.56	3.29	3.25
Iowa	7.22	3.12	3.17	3.87	3.70	3.52	3.00	3.41
Kansas	3.93	4.00	3.33	5.51	4.18	4.09	3.08	3.23
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	--	W	W	10.37	W	W	W
Maryland	3.71	5.34	4.00	5.42	W	3.38	3.38	3.47
Massachusetts	W	W	4.91	9.16	5.80	3.50	3.10	3.25
Michigan	3.08	3.53	3.40	4.36	4.34	3.72	3.36	3.40
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	2.77	1.79	W	W	W	1.01	W	W
Nebraska	3.83	4.01	3.77	5.06	4.73	4.01	3.82	3.55
Nevada	5.13	4.53	3.28	6.45	4.03	2.96	2.82	3.37
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	3.99	4.58	3.18	3.97	3.78	2.70	2.60	2.89
New Mexico	2.28	2.72	2.53	2.42	2.51	2.35	2.19	2.45
New York	4.45	5.75	3.87	5.46	4.47	3.26	3.07	3.26
North Carolina	W	W	4.43	4.98	4.32	3.72	3.59	3.53
North Dakota	4.77	6.16	3.02	3.44	4.31	2.65	2.61	1.55
Ohio	2.92	3.40	3.30	4.27	4.21	3.39	3.07	3.07
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	3.01	3.66	3.17	3.96	3.87	2.78	2.58	2.83
Rhode Island	W	W	4.21	W	6.17	3.55	3.09	3.23
South Carolina	3.45	4.20	4.29	4.63	4.68	4.03	3.72	3.64
South Dakota	--	--	3.04	4.28	3.85	3.34	2.90	2.95
Tennessee	3.09	3.50	3.17	4.41	3.88	3.28	2.93	2.88
Texas	2.82	3.21	3.17	3.86	3.79	3.28	2.96	3.04
Utah	5.49	4.49	3.23	5.92	4.16	2.89	2.73	2.87
Vermont	--	--	W	W	W	W	W	W
Virginia	W	W	4.35	W	4.55	3.63	3.21	3.34
Washington	W	W	W	W	W	W	W	W
West Virginia	3.30	3.66	W	W	W	W	W	W
Wisconsin	3.64	3.72	3.28	3.93	3.92	3.35	3.01	3.00
Wyoming	3.10	W	W	W	W	W	3.67	W
Total	3.79	4.16	3.68	4.89	4.34	3.52	3.23	3.39

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2018-2020
(dollars per thousand cubic feet) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	W	W	W	W	W	W	W
Alaska	6.48	6.48	6.50	6.83	7.15	7.25	7.28
Arizona	W	W	W	W	W	3.34	W
Arkansas	W	W	W	W	W	W	W
California	6.87	3.36	2.88	3.06	W	3.72	3.79
Colorado	W	W	W	W	W	W	W
Connecticut	3.19	2.86	2.90	3.92	4.26	7.70	11.06
Delaware	W	W	W	W	W	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	4.65	4.82	W
Georgia	3.52	3.76	3.52	W	3.50	W	5.79
Hawaii	--	--	--	--	--	--	--
Idaho	2.69	2.32	2.67	2.93	3.82	3.36	3.78
Illinois	3.21	3.02	3.30	3.12	W	W	5.11
Indiana	3.08	3.15	3.11	3.17	W	W	4.34
Iowa	3.01	2.82	2.86	3.03	2.65	2.69	4.25
Kansas	3.28	2.97	2.69	3.12	3.00	3.41	4.52
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	W	W	W	8.58	W	W	W
Maryland	3.34	W	3.56	3.27	3.25	W	W
Massachusetts	2.94	2.86	2.49	5.59	4.30	5.91	14.39
Michigan	3.20	3.18	2.97	3.11	2.86	2.99	3.96
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	W	1.01	1.14	1.26	1.68	1.82	W
Nebraska	3.14	3.27	2.96	3.88	4.40	4.69	6.66
Nevada	3.08	2.60	2.40	2.76	2.91	3.39	3.38
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.66	2.67	2.47	2.82	2.93	3.07	7.87
New Mexico	2.59	2.64	2.18	2.04	2.59	3.06	4.18
New York	3.14	2.99	2.86	3.23	3.54	5.53	8.27
North Carolina	W	W	W	W	W	W	W
North Dakota	2.71	2.65	1.04	2.81	1.38	7.82	7.27
Ohio	3.01	2.98	2.79	2.90	2.76	2.99	3.67
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.66	2.56	2.48	2.69	2.70	3.41	6.00
Rhode Island	2.95	2.75	W	W	W	W	11.39
South Carolina	3.68	3.71	3.76	3.73	3.65	4.00	9.44
South Dakota	2.80	2.76	2.53	2.91	2.79	2.96	3.89
Tennessee	2.75	2.93	2.64	2.62	2.80	3.30	3.64
Texas	2.98	3.03	2.89	2.82	2.74	2.91	4.08
Utah	2.73	2.61	2.49	2.54	2.89	3.39	3.19
Vermont	W	W	W	W	W	W	W
Virginia	3.21	3.26	3.21	3.45	W	W	11.54
Washington	W	W	W	W	W	W	W
West Virginia	W	W	W	3.08	4.26	W	W
Wisconsin	2.92	3.06	2.93	3.20	2.89	3.35	3.95
Wyoming	W	W	W	W	W	W	W
Total	3.35	3.23	3.16	3.26	3.32	3.75	5.38

^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, 2018-2020

State	2020 10-Month YTD			2019 10-Month YTD			2018 10-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	77.6	23.3	100.0	78.4	23.3	100.0	78.9	24.2
Alaska	100.0	NA	NA	100.0	98.1	37.2	100.0	98.3	100.0
Arizona	100.0	72.1	21.2	100.0	81.9	18.0	100.0	82.0	14.4
Arkansas	100.0	36.1	NA	100.0	38.5	1.6	100.0	39.7	1.4
California	NA	49.6	4.3	94.9	52.3	4.2	94.8	50.9	4.0
Colorado	100.0	93.8	8.0	100.0	93.8	7.6	100.0	93.8	7.2
Connecticut	NA	NA	NA	96.2	77.1	51.3	96.2	76.4	51.4
Delaware	NA	NA	NA	100.0	36.0	0.3	100.0	35.7	0.4
District of Columbia	73.9	NA	0.0	75.6	20.3	--	75.6	21.4	--
Florida	NA	NA	NA	91.3	29.1	3.2	91.8	29.6	3.6
Georgia	NA	100.0	NA	100.0	100.0	25.3	100.0	100.0	25.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	74.6	3.2	100.0	75.4	2.8	100.0	74.1	2.8
Illinois	87.4	33.4	NA	87.0	34.6	6.0	86.1	33.7	5.9
Indiana	96.2	63.7	1.4	96.3	65.5	1.4	96.0	65.7	1.5
Iowa	NA	62.8	2.6	100.0	65.4	2.6	100.0	64.9	2.4
Kansas	NA	45.8	NA	100.0	50.8	6.7	100.0	51.1	7.5
Kentucky	97.4	77.2	16.2	97.3	77.9	16.6	97.1	78.7	16.7
Louisiana	NA	NA	NA	100.0	76.0	3.3	100.0	72.0	3.5
Maine	NA	NA	NA	100.0	63.4	7.7	100.0	61.6	8.2
Maryland	77.3	25.0	NA	75.8	25.0	3.3	75.4	26.8	3.9
Massachusetts	NA	NA	NA	97.6	37.5	25.9	97.7	46.1	26.5
Michigan	94.4	56.7	6.5	94.0	57.0	6.8	93.6	55.9	6.9
Minnesota	NA	NA	NA	100.0	87.9	17.8	100.0	87.5	17.2
Mississippi	NA	NA	9.1	100.0	79.9	8.5	100.0	80.2	8.7
Missouri	100.0	NA	11.8	100.0	73.2	12.2	100.0	73.8	13.6
Montana	NA	NA	1.2	99.6	46.9	1.6	99.5	47.3	1.4
Nebraska	88.1	55.1	NA	87.9	55.4	5.5	88.2	56.0	5.2
Nevada	100.0	61.2	NA	100.0	59.8	13.9	100.0	57.4	13.4
New Hampshire	100.0	60.0	6.4	100.0	57.4	7.5	100.0	56.3	8.3
New Jersey	96.7	42.6	NA	96.4	44.6	6.2	95.3	40.7	5.9
New Mexico	NA	NA	NA	100.0	60.3	8.1	100.0	58.0	5.8
New York	100.0	100.0	NA	100.0	100.0	5.8	100.0	100.0	5.7
North Carolina	NA	NA	11.7	100.0	85.6	11.8	100.0	86.3	10.9
North Dakota	100.0	93.7	NA	100.0	93.1	37.8	100.0	92.7	38.1
Ohio	NA	NA	NA	100.0	100.0	0.9	100.0	100.0	0.8
Oklahoma	NA	NA	NA	100.0	45.3	7.3	100.0	46.5	7.9
Oregon	NA	NA	NA	100.0	94.8	15.2	100.0	94.1	15.4
Pennsylvania	85.7	NA	1.0	86.2	36.0	0.9	86.9	36.7	1.1
Rhode Island	100.0	51.6	NA	100.0	53.0	4.3	100.0	53.5	4.0
South Carolina	NA	90.2	36.1	100.0	90.9	37.7	100.0	91.8	40.4
South Dakota	100.0	78.1	4.2	100.0	79.4	4.2	100.0	81.6	4.1
Tennessee	NA	NA	NA	100.0	88.0	22.0	100.0	88.1	23.2
Texas	NA	NA	29.9	99.8	69.2	31.5	99.7	74.8	37.7
Utah	NA	NA	NA	100.0	65.1	2.5	100.0	69.4	3.2
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	48.0	NA	89.5	49.3	10.5	90.5	51.2	10.0
Washington	100.0	84.5	NA	100.0	85.4	6.1	100.0	84.4	5.8
West Virginia	100.0	51.4	NA	100.0	51.1	3.5	100.0	53.6	3.8
Wisconsin	100.0	NA	15.6	100.0	72.1	15.6	100.0	71.7	17.2
Wyoming	NA	NA	NA	70.2	58.3	1.0	70.8	50.5	1.5
Total	96.2	63.8	13.0	96.1	64.8	12.9	95.9	65.2	14.5

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2018-2020 – continued

State	2020								
	October			September			August		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	68.7	22.0	100.0	69.6	21.3	100.0	72.1	21.5
Alaska	100.0	99.8	41.1	100.0	99.7	43.6	100.0	99.7	43.1
Arizona	100.0	67.8	19.2	100.0	68.6	19.5	100.0	66.1	18.9
Arkansas	100.0	25.1	1.5	100.0	22.7	NA	100.0	21.3	1.4
California	95.6	47.4	4.4	95.1	42.5	4.2	95.3	45.2	3.6
Colorado	100.0	94.2	7.5	100.0	91.8	6.8	100.0	90.4	6.3
Connecticut	NA	NA	NA	95.6	70.7	43.4	96.2	68.6	45.2
Delaware	100.0	21.9	0.4	100.0	17.1	0.3	NA	NA	0.2
District of Columbia	72.6	16.7	0.0	69.4	NA	0.0	65.5	17.2	0.0
Florida	NA	NA	NA	NA	NA	NA	NA	NA	NA
Georgia	100.0	100.0	20.5	100.0	100.0	20.6	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	74.3	2.9	100.0	62.5	3.0	100.0	57.2	3.2
Illinois	91.1	32.4	5.0	90.5	21.1	NA	81.7	20.1	NA
Indiana	95.1	61.6	1.3	96.3	58.5	0.9	95.9	50.1	0.7
Iowa	100.0	66.0	3.0	100.0	52.5	2.4	100.0	46.3	1.9
Kansas	100.0	42.1	4.3	100.0	24.2	10.3	NA	20.8	16.3
Kentucky	98.8	73.7	16.0	98.3	66.9	13.6	98.2	65.1	17.0
Louisiana	100.0	69.9	NA	100.0	NA	NA	100.0	76.4	NA
Maine	NA	NA	5.3	100.0	48.6	NA	100.0	46.5	5.7
Maryland	78.2	22.8	2.6	76.7	14.0	1.4	76.4	15.2	NA
Massachusetts	NA	28.9	NA	98.3	23.9	19.3	98.1	NA	18.1
Michigan	94.9	53.0	3.8	94.7	42.3	4.0	94.8	34.5	2.4
Minnesota	100.0	89.1	22.4	100.0	73.0	NA	100.0	76.6	NA
Mississippi	100.0	77.2	8.8	100.0	72.7	9.5	100.0	73.9	8.8
Missouri	100.0	62.3	9.0	100.0	58.1	8.3	100.0	NA	7.6
Montana	NA	NA	0.5	99.6	27.9	0.6	99.6	28.3	0.4
Nebraska	88.9	49.4	4.4	88.8	44.6	3.8	89.5	42.1	3.9
Nevada	100.0	54.7	12.3	100.0	52.5	9.3	100.0	50.2	8.5
New Hampshire	100.0	52.0	3.7	100.0	50.9	3.3	100.0	53.0	2.8
New Jersey	97.0	33.6	NA	96.8	29.3	NA	96.9	29.5	2.2
New Mexico	99.9	47.5	16.0	100.0	52.0	16.6	100.0	52.4	17.7
New York	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	2.8
North Carolina	100.0	79.7	10.6	100.0	79.9	10.1	100.0	79.4	10.0
North Dakota	100.0	94.6	34.7	100.0	92.2	36.5	100.0	89.8	40.3
Ohio	100.0	100.0	0.9	100.0	100.0	0.6	100.0	100.0	0.5
Oklahoma	100.0	23.5	6.4	100.0	28.0	7.4	100.0	26.5	7.4
Oregon	100.0	95.0	16.1	100.0	92.7	15.5	100.0	93.7	14.8
Pennsylvania	86.5	29.2	0.5	85.6	31.7	0.4	86.7	23.6	0.5
Rhode Island	100.0	50.2	3.3	100.0	51.6	2.6	100.0	53.8	NA
South Carolina	100.0	88.5	36.6	100.0	88.2	35.3	100.0	88.5	36.9
South Dakota	100.0	69.8	2.5	100.0	65.2	1.3	100.0	63.6	1.3
Tennessee	100.0	80.8	21.5	100.0	79.4	20.6	100.0	77.8	21.1
Texas	NA	68.1	30.9	99.3	58.1	31.5	98.3	58.9	29.5
Utah	100.0	52.8	2.7	100.0	51.5	2.2	100.0	47.1	NA
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.7	46.8	13.1	88.4	39.2	NA	87.2	40.8	NA
Washington	100.0	86.1	NA	100.0	79.2	NA	100.0	78.7	3.7
West Virginia	100.0	41.3	3.0	100.0	34.3	3.5	100.0	28.2	3.3
Wisconsin	100.0	NA	18.0	100.0	59.2	11.6	100.0	50.6	10.5
Wyoming	71.0	57.8	0.8	70.5	55.7	NA	NA	NA	0.5
Total	96.6	60.6	12.9	96.6	54.8	13.2	95.9	54.3	12.4

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2018-2020 – continued

State	2020								
	July			June			May		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	74.0	23.5	100.0	73.0	24.3	100.0	71.5	23.9
Alaska	100.0	99.6	NA	100.0	NA	42.6	100.0	NA	37.8
Arizona	100.0	67.8	17.9	100.0	69.1	19.6	100.0	70.8	29.4
Arkansas	100.0	22.1	1.2	100.0	22.8	1.3	100.0	27.2	1.6
California	95.4	48.1	3.8	95.3	47.8	3.8	95.4	44.0	4.2
Colorado	100.0	90.2	5.7	100.0	90.4	5.0	100.0	91.5	7.8
Connecticut	94.3	71.8	44.3	95.9	71.1	43.9	96.4	76.1	46.6
Delaware	100.0	19.8	0.1	100.0	23.8	0.2	100.0	30.7	0.2
District of Columbia	70.5	11.7	0.0	74.2	13.4	0.0	72.3	16.4	0.0
Florida	93.1	27.6	3.9	NA	27.8	4.3	NA	NA	NA
Georgia	100.0	100.0	24.3	100.0	100.0	21.0	NA	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	54.7	3.3	100.0	63.2	3.4	100.0	65.4	3.7
Illinois	86.7	21.2	6.8	83.8	20.6	NA	84.8	28.5	5.7
Indiana	96.0	50.1	0.7	95.9	50.0	0.8	96.4	56.9	1.0
Iowa	NA	40.7	2.1	100.0	46.5	2.6	100.0	53.6	1.9
Kansas	100.0	21.1	16.4	100.0	26.8	14.3	100.0	26.6	10.9
Kentucky	98.2	67.5	16.0	97.0	65.8	14.3	95.7	68.6	17.3
Louisiana	100.0	NA	2.5	100.0	75.8	3.0	100.0	68.8	3.1
Maine	100.0	47.8	5.8	100.0	59.5	4.5	100.0	60.7	6.1
Maryland	76.3	23.1	2.4	74.7	18.6	1.5	76.4	19.8	4.3
Massachusetts	98.0	21.7	19.8	97.7	26.2	23.3	97.8	32.6	21.2
Michigan	96.2	40.5	3.4	96.1	42.1	3.2	93.9	49.7	7.0
Minnesota	100.0	72.6	14.9	NA	NA	18.3	100.0	83.6	15.7
Mississippi	100.0	73.5	7.8	100.0	71.2	8.2	100.0	73.4	8.2
Missouri	100.0	59.0	8.3	100.0	53.4	9.6	100.0	65.5	11.0
Montana	99.6	34.1	0.4	99.6	30.2	0.7	99.7	39.7	0.9
Nebraska	89.8	43.0	3.8	89.6	45.3	5.1	86.9	49.6	5.4
Nevada	100.0	48.6	8.6	100.0	57.1	11.9	100.0	64.2	10.6
New Hampshire	100.0	50.2	3.6	100.0	55.1	5.0	100.0	58.5	6.4
New Jersey	96.9	29.9	NA	96.1	47.4	3.1	97.0	35.9	6.0
New Mexico	100.0	55.2	16.7	100.0	57.3	12.3	100.0	61.5	NA
New York	100.0	100.0	3.4	100.0	100.0	4.0	100.0	100.0	5.0
North Carolina	NA	76.4	9.5	NA	NA	9.6	100.0	78.4	11.1
North Dakota	100.0	88.9	38.6	100.0	88.9	44.9	100.0	91.4	40.5
Ohio	100.0	100.0	0.4	NA	NA	0.5	100.0	100.0	0.8
Oklahoma	NA	NA	NA	100.0	33.7	7.3	100.0	40.2	7.3
Oregon	100.0	91.9	14.5	NA	NA	NA	100.0	92.6	14.5
Pennsylvania	85.8	23.8	0.4	85.3	NA	0.5	86.0	NA	0.8
Rhode Island	100.0	53.2	3.5	100.0	48.0	3.7	100.0	48.3	3.5
South Carolina	100.0	87.8	35.8	NA	88.3	34.4	100.0	87.7	35.1
South Dakota	100.0	64.8	1.5	100.0	70.4	2.6	100.0	75.5	4.3
Tennessee	100.0	80.0	18.7	100.0	81.4	20.9	NA	NA	NA
Texas	98.5	63.2	30.4	98.9	NA	31.5	99.4	60.3	30.7
Utah	100.0	51.0	2.1	100.0	52.6	2.2	100.0	52.6	2.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.7	40.2	12.5	87.8	35.0	12.8	NA	42.9	NA
Washington	100.0	76.7	4.6	100.0	81.2	5.3	100.0	81.5	4.5
West Virginia	100.0	30.7	3.0	100.0	36.3	3.5	100.0	42.4	3.6
Wisconsin	100.0	47.2	13.9	100.0	53.7	9.2	100.0	63.9	14.3
Wyoming	73.3	53.9	0.7	71.5	53.5	0.6	70.1	53.3	0.9
Total	96.4	55.7	12.8	95.9	56.6	12.9	95.7	59.0	13.2

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2018-2020 – continued

State	2020								
	April			March			February		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	74.3	23.7	100.0	84.6	24.5	100.0	83.4	24.5
Alaska	100.0	NA	32.4	100.0	99.7	50.2	100.0	99.7	42.8
Arizona	100.0	72.7	24.5	100.0	74.1	20.9	100.0	76.4	21.4
Arkansas	100.0	35.9	1.6	100.0	47.2	1.8	100.0	49.8	1.8
California	NA	47.9	4.3	95.6	52.3	4.9	95.2	53.6	5.5
Colorado	100.0	93.1	7.8	100.0	93.9	8.6	100.0	94.9	9.5
Connecticut	95.8	76.5	49.7	96.5	78.5	50.8	96.6	78.8	51.1
Delaware	NA	NA	NA	NA	40.0	0.4	NA	NA	0.4
District of Columbia	72.9	16.8	0.0	75.2	20.9	0.0	75.6	22.3	0.0
Florida	93.7	29.1	3.2	NA	NA	NA	91.4	31.5	3.9
Georgia	100.0	100.0	20.4	100.0	100.0	26.8	100.0	100.0	25.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	74.0	3.2	100.0	78.8	3.1	100.0	83.3	3.2
Illinois	86.4	32.8	6.0	86.0	34.8	8.7	88.2	39.4	9.3
Indiana	95.4	63.2	1.6	96.0	66.0	2.0	96.1	69.7	2.4
Iowa	100.0	61.2	2.4	100.0	65.7	2.9	100.0	70.0	3.6
Kansas	100.0	45.0	5.9	100.0	52.4	2.9	100.0	60.7	1.5
Kentucky	97.4	74.7	15.9	96.4	79.4	17.7	97.6	83.1	16.4
Louisiana	100.0	73.5	3.1	100.0	76.2	2.8	100.0	76.1	3.1
Maine	100.0	63.0	6.1	100.0	65.6	9.4	100.0	67.4	8.7
Maryland	76.3	24.0	4.2	78.4	27.6	6.0	77.3	28.2	8.0
Massachusetts	97.9	39.3	26.0	97.9	43.2	27.6	97.9	38.8	25.8
Michigan	94.7	57.1	7.0	93.9	61.2	8.6	94.4	63.9	9.9
Minnesota	100.0	88.6	NA	100.0	89.3	18.1	NA	NA	NA
Mississippi	NA	NA	8.0	100.0	80.6	10.0	100.0	83.0	10.8
Missouri	100.0	72.8	12.9	100.0	77.2	15.6	100.0	78.7	17.0
Montana	99.7	53.7	1.6	99.7	55.1	2.2	99.7	52.4	1.9
Nebraska	87.0	55.4	NA	87.6	58.4	5.5	88.7	61.4	6.0
Nevada	100.0	68.2	12.9	100.0	60.1	NA	100.0	66.3	17.3
New Hampshire	100.0	59.9	8.3	100.0	61.3	9.0	100.0	62.3	8.8
New Jersey	96.9	40.8	7.9	96.6	45.4	9.1	96.6	48.7	NA
New Mexico	100.0	59.1	12.0	100.0	65.9	8.9	NA	NA	NA
New York	100.0	100.0	5.6	100.0	100.0	6.3	100.0	100.0	7.2
North Carolina	100.0	80.9	10.5	100.0	84.4	13.7	100.0	88.9	14.9
North Dakota	100.0	93.8	37.3	100.0	94.7	38.0	100.0	94.3	39.2
Ohio	100.0	100.0	0.8	100.0	100.0	NA	100.0	100.0	1.1
Oklahoma	100.0	45.7	7.1	100.0	56.6	7.7	100.0	52.7	7.3
Oregon	100.0	93.7	15.0	100.0	95.3	16.7	100.0	95.5	17.7
Pennsylvania	85.6	31.5	1.1	85.4	NA	1.6	85.6	38.7	1.8
Rhode Island	100.0	49.7	3.3	100.0	51.2	3.5	100.0	52.3	3.8
South Carolina	100.0	89.5	35.8	100.0	89.8	37.0	100.0	93.5	36.4
South Dakota	100.0	81.8	5.4	100.0	82.8	6.1	100.0	80.7	6.7
Tennessee	100.0	86.4	19.5	NA	NA	NA	100.0	92.0	23.4
Texas	99.7	66.2	30.0	99.9	70.4	28.1	99.9	76.1	27.8
Utah	NA	NA	2.9	100.0	66.8	NA	100.0	70.1	2.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.0	44.4	14.3	88.8	52.2	NA	90.0	56.6	NA
Washington	100.0	82.7	6.5	100.0	88.0	NA	100.0	83.6	NA
West Virginia	100.0	54.0	NA	100.0	58.6	3.4	100.0	64.3	2.6
Wisconsin	100.0	71.3	14.4	100.0	75.2	16.8	100.0	78.3	19.2
Wyoming	69.9	57.1	1.5	69.5	58.9	NA	68.3	57.7	1.7
Total	95.9	63.7	12.8	96.1	66.5	13.0	96.3	68.9	13.2

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2018-2020 – continued

State	2020						2019		
	January			Total			December		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	81.5	23.8	100.0	78.5	23.5	100.0	81.4	24.7
Alaska	100.0	99.4	38.8	100.0	98.4	37.2	100.0	99.3	37.2
Arizona	100.0	75.9	20.2	100.0	81.5	18.2	100.0	80.6	19.9
Arkansas	100.0	48.1	1.7	100.0	39.2	1.6	100.0	46.7	1.9
California	95.3	57.0	4.0	95.0	52.9	4.2	95.5	58.0	4.5
Colorado	100.0	95.4	11.3	100.0	94.1	8.2	100.0	95.4	10.7
Connecticut	96.6	80.2	50.8	96.3	77.6	51.2	96.8	81.0	51.9
Delaware	100.0	42.2	0.4	100.0	35.7	0.3	100.0	38.8	0.4
District of Columbia	74.8	21.2	0.0	75.5	20.7	--	76.3	23.7	--
Florida	NA	NA	NA	91.3	29.2	3.3	91.2	30.5	3.5
Georgia	NA	100.0	24.3	100.0	100.0	25.2	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	83.5	3.0	100.0	76.7	2.9	100.0	82.7	3.6
Illinois	88.8	40.8	9.0	87.5	35.2	6.5	88.3	37.2	8.6
Indiana	97.4	68.3	2.0	96.3	66.3	1.5	96.3	68.4	1.8
Iowa	100.0	70.5	2.8	100.0	67.0	3.0	100.0	71.5	4.3
Kansas	100.0	64.2	NA	100.0	52.1	5.9	100.0	57.8	2.0
Kentucky	97.6	82.6	17.1	97.5	78.7	16.3	97.5	82.1	15.4
Louisiana	NA	76.6	3.3	100.0	75.4	3.3	100.0	73.3	3.1
Maine	100.0	65.7	8.9	100.0	63.3	8.0	100.0	64.2	9.3
Maryland	77.6	34.1	9.8	76.2	25.4	3.5	77.5	28.1	5.9
Massachusetts	97.9	41.0	26.4	97.7	38.4	25.9	97.9	45.2	28.8
Michigan	94.2	63.4	10.0	94.1	58.2	7.1	94.1	61.7	8.7
Minnesota	NA	NA	NA	100.0	88.7	18.6	100.0	91.6	24.2
Mississippi	100.0	85.7	10.0	100.0	80.3	8.6	100.0	83.4	8.7
Missouri	100.0	77.6	14.7	100.0	73.6	12.5	100.0	76.4	15.0
Montana	99.7	52.1	1.8	99.6	47.5	1.6	99.6	49.9	1.9
Nebraska	88.0	60.7	6.0	87.7	55.6	5.5	88.0	58.8	6.0
Nevada	100.0	68.8	19.0	100.0	60.2	14.6	100.0	64.4	18.7
New Hampshire	100.0	63.3	9.7	100.0	57.7	7.3	100.0	60.1	6.6
New Jersey	96.5	48.9	NA	96.5	45.2	6.5	96.6	48.8	9.6
New Mexico	100.0	63.5	8.2	100.0	59.5	8.7	100.0	58.0	9.8
New York	100.0	100.0	6.6	100.0	100.0	5.8	100.0	100.0	6.7
North Carolina	100.0	90.0	14.8	100.0	86.4	12.1	100.0	88.9	14.3
North Dakota	100.0	95.1	NA	100.0	93.5	38.3	100.0	95.4	38.7
Ohio	100.0	100.0	1.0	100.0	100.0	0.9	100.0	100.0	1.1
Oklahoma	100.0	49.9	7.9	100.0	44.9	7.4	100.0	47.2	7.5
Oregon	100.0	95.8	16.4	100.0	95.0	15.4	100.0	95.9	15.9
Pennsylvania	85.7	36.9	1.9	86.3	36.4	0.9	86.1	37.9	1.0
Rhode Island	100.0	54.3	5.1	100.0	53.0	4.3	100.0	53.4	4.1
South Carolina	100.0	92.9	37.5	100.0	91.2	37.4	100.0	91.4	34.0
South Dakota	100.0	82.0	8.3	100.0	79.7	5.2	100.0	81.3	11.7
Tennessee	100.0	92.1	23.9	100.0	88.7	22.2	100.0	91.6	22.8
Texas	100.0	78.6	28.7	99.8	69.9	30.9	99.9	74.8	28.3
Utah	100.0	72.9	2.6	100.0	65.8	2.5	100.0	68.6	2.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.7	53.0	NA	90.2	51.2	10.7	92.2	59.1	8.6
Washington	100.0	89.8	8.3	100.0	86.3	6.3	100.0	90.3	7.5
West Virginia	100.0	63.6	NA	100.0	53.1	3.5	100.0	60.5	3.1
Wisconsin	100.0	78.2	20.5	100.0	73.5	16.5	100.0	78.3	20.7
Wyoming	69.8	59.1	2.0	69.9	58.1	1.2	68.7	58.1	1.4
Total	96.4	69.4	13.1	96.2	65.5	12.9	96.4	68.8	12.8

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2018-2020 – continued

State	2019								
	November			October			September		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	75.4	23.6	100.0	70.0	23.5	100.0	75.3	23.8
Alaska	100.0	99.2	37.2	100.0	97.6	37.2	100.0	95.7	37.2
Arizona	100.0	78.8	17.7	100.0	77.7	18.1	100.0	80.7	20.9
Arkansas	100.0	36.5	1.7	100.0	26.0	1.3	100.0	22.3	1.4
California	95.8	52.6	4.5	94.9	50.0	4.3	94.7	47.6	3.8
Colorado	100.0	95.0	11.3	100.0	94.4	7.4	100.0	90.5	5.8
Connecticut	95.9	76.9	48.9	94.5	73.4	50.8	95.2	72.6	50.0
Delaware	100.0	28.8	0.2	100.0	22.0	0.4	100.0	21.2	0.5
District of Columbia	73.3	21.4	--	71.5	17.4	--	72.0	14.2	--
Florida	91.0	28.3	3.3	91.1	28.2	2.7	92.4	27.8	2.3
Georgia	100.0	100.0	24.7	100.0	100.0	23.8	100.0	100.0	25.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	78.2	3.1	100.0	78.7	2.7	100.0	62.4	2.6
Illinois	90.2	37.7	8.1	92.4	34.8	5.1	87.2	21.0	3.2
Indiana	96.2	68.9	1.9	97.5	66.1	1.1	96.2	58.4	0.5
Iowa	100.0	71.9	5.4	100.0	66.0	3.0	100.0	47.3	1.8
Kansas	100.0	55.3	3.1	100.0	38.0	4.3	100.0	26.6	13.5
Kentucky	98.4	80.3	14.7	98.7	71.7	15.3	98.0	67.4	17.9
Louisiana	100.0	72.3	3.1	100.0	68.3	3.4	100.0	71.8	4.1
Maine	100.0	61.1	8.6	100.0	54.5	7.0	100.0	49.1	6.3
Maryland	77.8	25.0	3.1	78.2	21.1	2.1	73.3	16.6	1.0
Massachusetts	98.1	37.6	22.2	97.9	24.9	21.0	97.8	22.7	22.7
Michigan	94.7	62.3	8.1	94.2	50.9	4.4	93.9	40.1	2.3
Minnesota	100.0	89.9	20.7	100.0	86.9	23.3	100.0	76.3	12.9
Mississippi	100.0	79.4	9.7	100.0	75.6	8.5	100.0	72.4	7.8
Missouri	100.0	73.3	12.2	100.0	61.4	8.6	100.0	59.9	9.6
Montana	99.6	49.2	1.5	99.6	39.0	1.3	99.5	24.8	0.8
Nebraska	85.7	52.5	5.7	85.9	47.0	4.8	89.6	43.2	4.6
Nevada	100.0	58.6	16.2	100.0	54.4	11.4	100.0	51.0	11.8
New Hampshire	100.0	55.6	5.9	100.0	50.5	5.0	100.0	50.8	2.6
New Jersey	96.7	44.9	5.8	96.5	34.2	2.7	96.5	29.7	1.8
New Mexico	100.0	55.1	13.5	99.9	45.6	14.0	100.0	55.3	11.8
New York	100.0	100.0	4.2	100.0	100.0	4.4	100.0	100.0	4.3
North Carolina	100.0	88.9	12.7	100.0	82.6	10.6	100.0	79.7	10.0
North Dakota	100.0	94.3	44.1	100.0	94.4	21.2	100.0	89.7	42.5
Ohio	100.0	100.0	1.4	100.0	100.0	0.9	100.0	100.0	0.7
Oklahoma	100.0	39.1	7.7	100.0	21.6	7.4	100.0	29.1	8.3
Oregon	100.0	95.6	16.3	100.0	95.5	14.7	100.0	93.5	16.0
Pennsylvania	87.4	37.2	1.1	86.4	29.7	1.5	86.3	26.5	0.2
Rhode Island	100.0	51.8	3.8	100.0	54.0	3.8	100.0	54.6	3.7
South Carolina	100.0	93.2	37.8	100.0	89.4	37.8	100.0	89.3	36.6
South Dakota	100.0	79.1	6.8	100.0	73.3	2.7	100.0	67.5	1.6
Tennessee	100.0	90.0	23.8	100.0	83.6	20.8	100.0	80.9	20.9
Texas	99.9	70.9	28.5	99.8	60.8	28.3	98.9	58.5	30.0
Utah	100.0	68.7	2.4	100.0	54.8	2.4	100.0	48.6	2.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	91.8	56.5	15.1	90.9	45.4	15.7	88.7	40.4	10.3
Washington	100.0	88.0	7.3	100.0	88.0	6.4	100.0	81.2	6.5
West Virginia	100.0	59.0	3.2	100.0	41.2	3.7	100.0	29.8	3.8
Wisconsin	100.0	76.4	19.0	100.0	66.3	16.6	100.0	55.1	11.4
Wyoming	68.8	56.9	2.0	70.1	58.8	1.0	71.7	58.2	1.0
Total	96.6	66.7	12.7	96.8	60.3	12.0	96.2	56.2	12.2

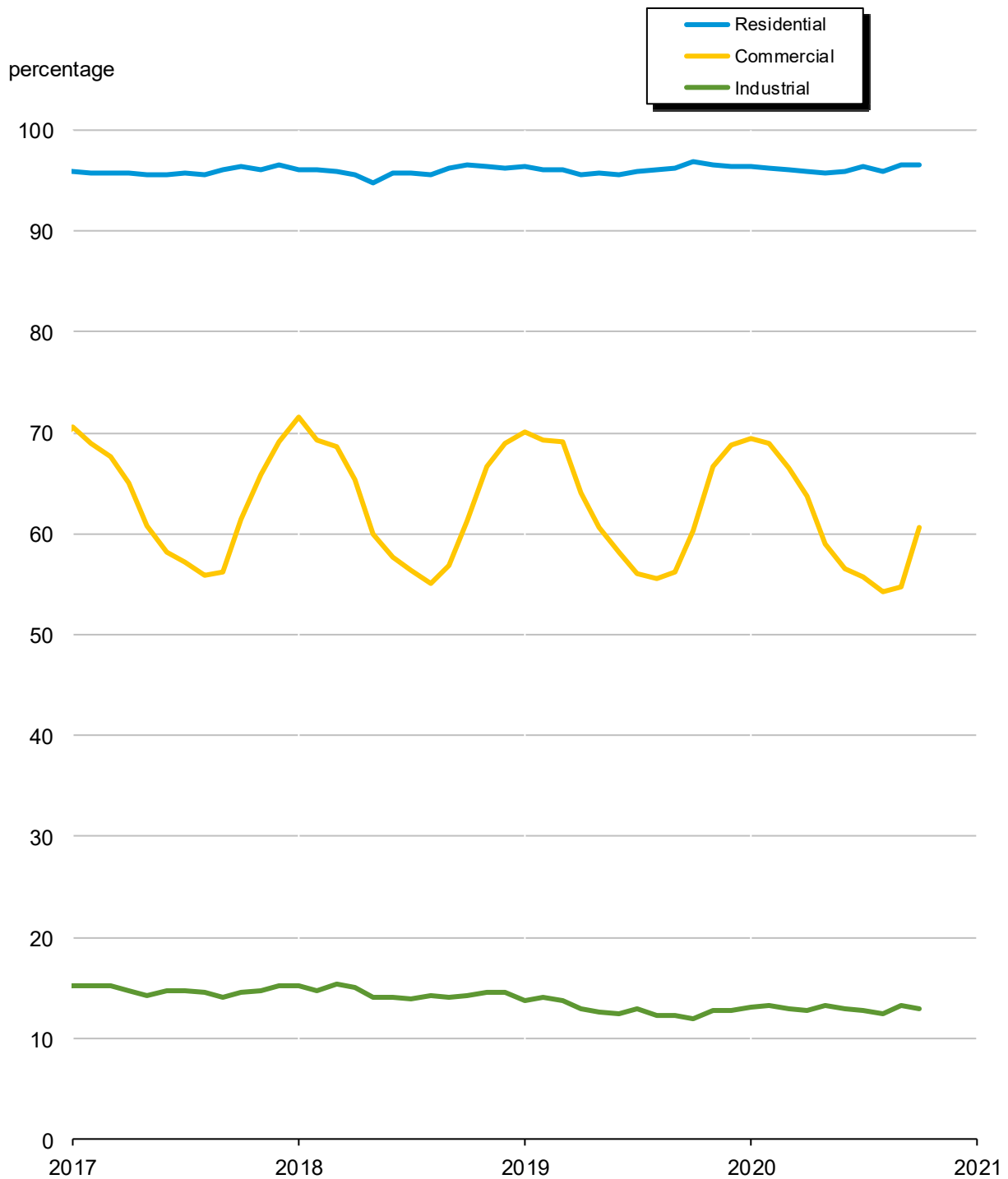
-- Not applicable.

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, 2017-2020



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

Table 25. Heating value of natural gas consumed, by state, 2018-2020
(Btu per cubic foot)

State	2020 10-Month YTD	2019 10-Month YTD	2018 10-Month YTD						2020
				October	September	August	July	June	
Alabama	1,030	1,027	1,027	1,031	1,032	1,031	1,031	1,030	
Alaska	993	981	975	997	1,009	994	1,015	990	
Arizona	1,029	1,033	1,041	1,022	1,029	1,026	1,024	1,025	
Arkansas	1,019	1,018	1,017	1,020	1,019	1,017	1,016	1,015	
California	1,032	1,034	1,034	1,030	1,029	1,026	1,024	1,026	
Colorado	1,080	1,090	1,078	1,075	1,082	1,090	1,089	1,083	
Connecticut	1,030	1,029	1,028	1,029	1,029	1,029	1,029	1,028	
Delaware	1,035	1,038	1,040	1,034	1,037	1,032	1,033	1,034	
District of Columbia	1,035	1,040	1,039	1,029	1,028	1,030	1,032	1,025	
Florida	1,026	1,023	1,023	1,027	1,028	1,025	1,026	1,023	
Georgia	1,029	1,025	1,029	1,030	1,032	1,030	1,029	1,027	
Hawaii	940	946	963	918	914	912	914	915	
Idaho	1,026	1,030	1,038	1,033	1,018	1,017	1,014	1,026	
Illinois	1,040	1,034	1,030	1,039	1,034	1,038	1,036	1,040	
Indiana	1,052	1,051	1,046	1,059	1,058	1,057	1,050	1,053	
Iowa	1,069	1,065	1,062	1,076	1,080	1,071	1,068	1,067	
Kansas	1,038	1,043	1,039	1,031	1,036	1,034	1,031	1,033	
Kentucky	1,050	1,046	1,050	1,048	1,053	1,043	1,046	1,048	
Louisiana	1,022	1,022	1,022	1,024	1,021	1,025	1,021	1,021	
Maine	1,039	1,038	1,042	1,033	1,038	1,034	1,030	1,033	
Maryland	1,040	1,044	1,043	1,034	1,036	1,038	1,040	1,036	
Massachusetts	1,031	1,031	1,031	1,029	1,029	1,029	1,029	1,028	
Michigan	1,060	1,056	1,047	1,060	1,059	1,056	1,057	1,058	
Minnesota	1,050	1,051	1,046	1,066	1,070	1,063	1,062	1,056	
Mississippi	1,030	1,029	1,026	1,034	1,035	1,032	1,027	1,028	
Missouri	1,023	1,025	1,024	1,020	1,024	1,022	1,021	1,022	
Montana	1,047	1,048	1,047	1,054	1,048	1,048	1,043	1,045	
Nebraska	1,063	1,069	1,059	1,058	1,064	1,063	1,064	1,062	
Nevada	1,038	1,042	1,038	1,037	1,035	1,031	1,027	1,030	
New Hampshire	1,033	1,032	1,031	1,029	1,030	1,031	1,030	1,030	
New Jersey	1,036	1,039	1,038	1,036	1,035	1,036	1,035	1,034	
New Mexico	1,028	1,029	1,036	1,018	1,018	1,025	1,024	1,025	
New York	1,032	1,032	1,031	1,031	1,031	1,031	1,030	1,031	
North Carolina	1,032	1,030	1,028	1,030	1,034	1,032	1,033	1,032	
North Dakota	1,069	1,079	1,079	1,065	1,069	1,059	1,061	1,059	
Ohio	1,065	1,065	1,064	1,070	1,064	1,064	1,061	1,064	
Oklahoma	1,031	1,031	1,032	1,029	1,035	1,023	1,028	1,024	
Oregon	1,053	1,054	1,067	1,060	1,055	1,058	1,051	1,053	
Pennsylvania	1,037	1,038	1,037	1,037	1,037	1,037	1,038	1,038	
Rhode Island	1,030	1,028	1,029	1,029	1,029	1,029	1,030	1,029	
South Carolina	1,031	1,026	1,027	1,032	1,034	1,033	1,033	1,026	
South Dakota	1,080	1,070	1,065	1,092	1,084	1,079	1,073	1,079	
Tennessee	1,025	1,025	1,024	1,026	1,020	1,020	1,017	1,022	
Texas	1,020	1,025	1,026	1,017	1,017	1,018	1,018	1,017	
Utah	1,045	1,045	1,040	1,042	1,037	1,031	1,029	1,035	
Vermont	1,041	1,036	1,033	1,034	1,038	1,035	1,030	1,033	
Virginia	1,049	1,052	1,050	1,047	1,051	1,046	1,045	1,049	
Washington	1,081	1,066	1,089	1,087	1,089	1,056	1,081	1,063	
West Virginia	1,085	1,091	1,098	1,080	1,098	1,085	1,071	1,076	
Wisconsin	1,044	1,043	1,037	1,053	1,046	1,043	1,034	1,037	
Wyoming	1,070	1,072	1,059	1,058	1,061	1,067	1,060	1,068	
Total	1,036	1,037	1,036	1,036	1,035	1,033	1,032	1,032	

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2018-2020
(Btu per cubic foot) – continued

State	2020					2019		
	May	April	March	February	January	Total	December	November
Alabama	1,027	1,028	1,027	1,027	1,029	1,028	1,030	1,031
Alaska	1,011	981	981	981	988	987	987	992
Arizona	1,039	1,035	1,028	1,031	1,033	1,032	1,030	1,029
Arkansas	1,018	1,020	1,021	1,021	1,021	1,018	1,021	1,019
California	1,035	1,039	1,038	1,038	1,039	1,034	1,038	1,039
Colorado	1,079	1,080	1,073	1,077	1,078	1,089	1,079	1,084
Connecticut	1,029	1,030	1,030	1,032	1,031	1,030	1,032	1,035
Delaware	1,035	1,036	1,036	1,038	1,036	1,041	1,034	1,036
District of Columbia	1,030	1,033	1,036	1,041	1,042	1,035	1,040	1,039
Florida	1,025	1,028	1,026	1,025	1,026	1,023	1,024	1,024
Georgia	1,025	1,027	1,028	1,029	1,030	1,026	1,028	1,027
Hawaii	913	919	975	981	984	952	984	973
Idaho	1,028	1,030	1,029	1,028	1,028	1,030	1,023	1,023
Illinois	1,040	1,042	1,041	1,041	1,041	1,033	1,041	1,041
Indiana	1,051	1,052	1,052	1,048	1,049	1,052	1,050	1,052
Iowa	1,066	1,067	1,062	1,068	1,067	1,066	1,071	1,077
Kansas	1,045	1,044	1,039	1,040	1,041	1,041	1,045	1,047
Kentucky	1,045	1,050	1,057	1,054	1,051	1,049	1,051	1,054
Louisiana	1,020	1,024	1,023	1,020	1,021	1,023	1,019	1,024
Maine	1,036	1,042	1,043	1,046	1,046	1,038	1,050	1,041
Maryland	1,035	1,038	1,041	1,045	1,047	1,044	1,048	1,045
Massachusetts	1,028	1,029	1,030	1,035	1,036	1,031	1,035	1,031
Michigan	1,058	1,062	1,062	1,062	1,060	1,057	1,061	1,062
Minnesota	1,046	1,053	1,047	1,026	1,029	1,056	1,048	1,028
Mississippi	1,025	1,035	1,031	1,028	1,031	1,029	1,029	1,031
Missouri	1,024	1,023	1,025	1,023	1,023	1,023	1,024	1,023
Montana	1,048	1,053	1,045	1,046	1,046	1,049	1,049	1,050
Nebraska	1,064	1,067	1,064	1,063	1,061	1,070	1,063	1,072
Nevada	1,038	1,046	1,046	1,045	1,043	1,043	1,044	1,045
New Hampshire	1,030	1,032	1,034	1,038	1,040	1,032	1,042	1,033
New Jersey	1,031	1,035	1,034	1,037	1,042	1,039	1,041	1,040
New Mexico	1,036	1,038	1,031	1,030	1,034	1,031	1,040	1,038
New York	1,031	1,033	1,033	1,034	1,034	1,032	1,034	1,033
North Carolina	1,031	1,033	1,033	1,033	1,031	1,031	1,030	1,034
North Dakota	1,072	1,074	1,074	1,072	1,071	1,099	1,072	1,068
Ohio	1,066	1,067	1,065	1,066	1,065	1,065	1,065	1,065
Oklahoma	1,030	1,042	1,030	1,032	1,036	1,033	1,043	1,045
Oregon	1,043	1,042	1,052	1,060	1,052	1,053	1,053	1,052
Pennsylvania	1,037	1,038	1,038	1,037	1,037	1,038	1,037	1,037
Rhode Island	1,030	1,030	1,030	1,031	1,031	1,029	1,032	1,031
South Carolina	1,029	1,030	1,030	1,030	1,029	1,027	1,028	1,030
South Dakota	1,081	1,077	1,080	1,078	1,078	1,084	1,081	1,082
Tennessee	1,024	1,027	1,030	1,030	1,030	1,030	1,028	1,028
Texas	1,022	1,026	1,022	1,022	1,022	1,025	1,024	1,024
Utah	1,044	1,053	1,052	1,051	1,050	1,046	1,049	1,046
Vermont	1,035	1,041	1,043	1,048	1,047	1,036	1,051	1,043
Virginia	1,046	1,047	1,051	1,052	1,052	1,051	1,053	1,050
Washington	1,078	1,081	1,084	1,088	1,087	1,086	1,088	1,090
West Virginia	1,088	1,080	1,092	1,091	1,084	1,084	1,088	1,084
Wisconsin	1,043	1,048	1,041	1,047	1,044	1,042	1,042	1,045
Wyoming	1,075	1,082	1,074	1,075	1,073	1,074	1,081	1,079
Total	1,035	1,039	1,039	1,039	1,039	1,038	1,040	1,040

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2018-2020
(Btu per cubic foot) – continued

State	2019							
	October	September	August	July	June	May	April	March
Alabama	1,030	1,031	1,031	1,027	1,027	1,026	1,023	1,021
Alaska	994	976	974	979	977	967	980	982
Arizona	1,029	1,030	1,032	1,030	1,031	1,032	1,035	1,036
Arkansas	1,021	1,020	1,019	1,021	1,018	1,015	1,017	1,016
California	1,041	1,038	1,038	1,035	1,031	1,031	1,032	1,031
Colorado	1,096	1,106	1,105	1,109	1,102	1,094	1,087	1,077
Connecticut	1,028	1,028	1,028	1,028	1,027	1,027	1,028	1,030
Delaware	1,037	1,036	1,040	1,035	1,037	1,037	1,038	1,039
District of Columbia	1,026	1,025	1,030	1,033	1,026	1,031	1,040	1,044
Florida	1,025	1,025	1,025	1,025	1,025	1,022	1,023	1,020
Georgia	1,027	1,029	1,028	1,027	1,023	1,023	1,021	1,021
Hawaii	924	967	936	917	954	963	958	946
Idaho	1,033	1,027	1,030	1,022	1,033	1,039	1,037	1,030
Illinois	1,038	1,036	1,034	1,033	1,032	1,032	1,032	1,033
Indiana	1,053	1,058	1,061	1,059	1,055	1,061	1,049	1,045
Iowa	1,077	1,078	1,077	1,080	1,075	1,063	1,060	1,054
Kansas	1,040	1,045	1,046	1,059	1,036	1,038	1,044	1,036
Kentucky	1,045	1,043	1,042	1,044	1,042	1,043	1,052	1,046
Louisiana	1,023	1,020	1,022	1,022	1,024	1,026	1,023	1,021
Maine	1,031	1,033	1,032	1,032	1,036	1,030	1,036	1,042
Maryland	1,036	1,036	1,040	1,039	1,036	1,039	1,045	1,050
Massachusetts	1,029	1,029	1,029	1,030	1,029	1,029	1,030	1,031
Michigan	1,062	1,066	1,061	1,058	1,058	1,057	1,053	1,051
Minnesota	1,063	1,060	1,065	1,059	1,055	1,055	1,053	1,043
Mississippi	1,032	1,030	1,027	1,033	1,029	1,032	1,030	1,030
Missouri	1,027	1,030	1,033	1,032	1,028	1,028	1,022	1,021
Montana	1,046	1,050	1,049	1,052	1,054	1,051	1,051	1,049
Nebraska	1,082	1,082	1,080	1,085	1,078	1,074	1,073	1,055
Nevada	1,048	1,047	1,048	1,048	1,042	1,039	1,039	1,034
New Hampshire	1,030	1,029	1,029	1,030	1,029	1,028	1,030	1,034
New Jersey	1,036	1,035	1,036	1,036	1,035	1,036	1,038	1,041
New Mexico	1,034	1,037	1,032	1,030	1,028	1,025	1,024	1,022
New York	1,030	1,030	1,030	1,031	1,030	1,030	1,032	1,033
North Carolina	1,033	1,030	1,032	1,032	1,031	1,029	1,030	1,029
North Dakota	1,077	1,061	1,059	1,065	1,084	1,085	1,092	1,087
Ohio	1,067	1,065	1,064	1,064	1,062	1,063	1,065	1,065
Oklahoma	1,032	1,035	1,048	1,034	1,028	1,025	1,027	1,027
Oregon	1,063	1,048	1,053	1,053	1,066	1,063	1,048	1,048
Pennsylvania	1,035	1,041	1,037	1,035	1,036	1,036	1,037	1,038
Rhode Island	1,029	1,029	1,028	1,029	1,028	1,028	1,028	1,028
South Carolina	1,030	1,029	1,029	1,028	1,027	1,027	1,025	1,022
South Dakota	1,080	1,076	1,078	1,074	1,077	1,073	1,067	1,064
Tennessee	1,027	1,021	1,021	1,021	1,020	1,023	1,032	1,027
Texas	1,023	1,024	1,028	1,029	1,026	1,022	1,024	1,022
Utah	1,048	1,051	1,050	1,049	1,043	1,044	1,046	1,043
Vermont	1,030	1,032	1,030	1,032	1,033	1,029	1,034	1,037
Virginia	1,051	1,046	1,050	1,049	1,048	1,049	1,053	1,057
Washington	901	1,091	1,086	1,090	1,087	1,083	1,084	1,083
West Virginia	1,085	1,091	1,092	1,098	1,100	1,112	1,091	1,087
Wisconsin	1,040	1,042	1,042	1,041	1,034	1,043	1,044	1,047
Wyoming	1,078	1,075	1,077	1,073	1,060	1,077	1,071	1,070
Total	1,036	1,037	1,038	1,037	1,035	1,035	1,036	1,037

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2018-2020
(Btu per cubic foot) – continued

State	2019		Total	December	November	October	September	2018
	February	January						August
Alabama	1,021	1,025	1,028	1,025	1,028	1,031	1,028	1,026
Alaska	981	990	975	976	979	979	970	937
Arizona	1,037	1,036	1,041	1,037	1,043	1,043	1,044	1,042
Arkansas	1,018	1,018	1,017	1,015	1,028	1,015	1,013	1,015
California	1,033	1,032	1,033	1,032	1,033	1,033	1,033	1,035
Colorado	1,078	1,081	1,078	1,083	1,082	1,089	1,096	1,091
Connecticut	1,030	1,030	1,029	1,030	1,029	1,028	1,027	1,027
Delaware	1,040	1,041	1,041	1,040	1,035	1,037	1,040	1,037
District of Columbia	1,046	1,045	1,036	1,045	1,041	1,036	1,030	1,027
Florida	1,020	1,021	1,023	1,022	1,024	1,023	1,022	1,021
Georgia	1,022	1,026	1,028	1,026	1,028	1,030	1,031	1,029
Hawaii	961	938	962	960	953	968	953	932
Idaho	1,029	1,028	1,037	1,027	1,026	1,032	1,024	1,020
Illinois	1,034	1,035	1,029	1,034	1,030	1,027	1,025	1,024
Indiana	1,043	1,043	1,047	1,047	1,045	1,043	1,049	1,052
Iowa	1,054	1,055	1,061	1,061	1,066	1,068	1,076	1,069
Kansas	1,036	1,043	1,038	1,043	1,041	1,035	1,036	1,040
Kentucky	1,050	1,051	1,049	1,058	1,052	1,045	1,046	1,046
Louisiana	1,020	1,021	1,022	1,024	1,019	1,024	1,024	1,023
Maine	1,045	1,048	1,041	1,044	1,042	1,044	1,039	1,045
Maryland	1,050	1,050	1,042	1,042	1,045	1,035	1,035	1,034
Massachusetts	1,034	1,035	1,031	1,032	1,030	1,030	1,029	1,030
Michigan	1,053	1,052	1,047	1,051	1,053	1,051	1,049	1,049
Minnesota	1,026	1,047	1,049	1,038	1,047	1,057	1,062	1,060
Mississippi	1,023	1,023	1,026	1,028	1,027	1,027	1,029	1,026
Missouri	1,020	1,022	1,024	1,023	1,022	1,023	1,025	1,028
Montana	1,045	1,045	1,043	1,045	1,041	1,042	1,048	1,055
Nebraska	1,056	1,059	1,060	1,062	1,064	1,074	1,073	1,073
Nevada	1,039	1,035	1,037	1,034	1,033	1,035	1,036	1,037
New Hampshire	1,035	1,041	1,031	1,035	1,033	1,030	1,028	1,029
New Jersey	1,044	1,044	1,038	1,042	1,041	1,036	1,035	1,035
New Mexico	1,027	1,031	1,036	1,035	1,035	1,035	1,039	1,040
New York	1,034	1,034	1,032	1,034	1,034	1,031	1,029	1,030
North Carolina	1,027	1,027	1,029	1,028	1,030	1,035	1,030	1,024
North Dakota	1,089	1,079	1,080	1,079	1,084	1,075	1,071	1,076
Ohio	1,065	1,065	1,064	1,065	1,065	1,064	1,063	1,063
Oklahoma	1,030	1,022	1,032	1,029	1,028	1,027	1,028	1,028
Oregon	1,054	1,055	1,061	1,049	1,043	1,055	1,062	1,059
Pennsylvania	1,039	1,039	1,038	1,038	1,037	1,036	1,036	1,035
Rhode Island	1,028	1,029	1,029	1,028	1,030	1,028	1,029	1,028
South Carolina	1,021	1,026	1,026	1,025	1,026	1,027	1,025	1,024
South Dakota	1,064	1,062	1,068	1,070	1,075	1,078	1,079	1,083
Tennessee	1,027	1,029	1,031	1,026	1,027	1,023	1,021	1,019
Texas	1,021	1,024	1,028	1,028	1,026	1,027	1,027	1,027
Utah	1,041	1,042	1,040	1,037	1,038	1,041	1,042	1,039
Vermont	1,041	1,042	1,034	1,040	1,036	1,031	1,024	1,025
Virginia	1,056	1,055	1,052	1,061	1,056	1,050	1,049	1,050
Washington	1,086	1,087	1,087	1,084	1,081	1,086	1,094	1,091
West Virginia	1,088	1,085	1,091	1,089	1,061	1,133	1,104	1,097
Wisconsin	1,040	1,046	1,041	1,044	1,045	1,043	1,034	1,028
Wyoming	1,071	1,072	1,062	1,063	1,048	1,059	1,065	1,066
Total	1,037	1,038	1,036	1,038	1,037	1,036	1,035	1,034

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2018-2020
(Btu per cubic foot) – continued

State	2018						
	July	June	May	April	March	February	January
Alabama	1,024	1,027	1,028	1,027	1,028	1,026	1,026
Alaska	956	953	980	987	982	991	995
Arizona	1,041	1,041	1,037	1,035	1,043	1,041	1,045
Arkansas	1,018	1,017	1,018	1,016	1,017	1,019	1,016
California	1,035	1,034	1,033	1,031	1,032	1,034	1,036
Colorado	1,089	1,089	1,081	1,071	1,072	1,064	1,066
Connecticut	1,027	1,027	1,027	1,029	1,029	1,029	1,030
Delaware	1,038	1,043	1,035	1,037	1,043	1,043	1,044
District of Columbia	1,031	1,029	1,027	1,038	1,044	1,042	1,047
Florida	1,026	1,021	1,023	1,023	1,024	1,023	1,024
Georgia	1,026	1,028	1,028	1,027	1,029	1,028	1,028
Hawaii	961	956	974	974	973	971	965
Idaho	1,037	1,029	1,058	1,053	1,040	1,039	1,045
Illinois	1,027	1,026	1,029	1,032	1,031	1,033	1,032
Indiana	1,051	1,054	1,048	1,042	1,043	1,039	1,041
Iowa	1,075	1,066	1,061	1,055	1,051	1,054	1,054
Kansas	1,041	1,048	1,041	1,036	1,037	1,036	1,037
Kentucky	1,047	1,044	1,046	1,061	1,055	1,051	1,054
Louisiana	1,022	1,022	1,023	1,019	1,021	1,021	1,022
Maine	1,047	1,047	1,041	1,042	1,044	1,035	1,035
Maryland	1,040	1,038	1,041	1,045	1,052	1,043	1,051
Massachusetts	1,030	1,029	1,029	1,029	1,032	1,032	1,033
Michigan	1,053	1,053	1,044	1,046	1,047	1,046	1,044
Minnesota	1,065	1,052	1,040	1,039	1,037	1,038	1,037
Mississippi	1,026	1,025	1,030	1,025	1,024	1,024	1,024
Missouri	1,030	1,031	1,027	1,021	1,023	1,023	1,023
Montana	1,056	1,051	1,048	1,045	1,047	1,043	1,044
Nebraska	1,072	1,062	1,059	1,053	1,053	1,043	1,052
Nevada	1,041	1,041	1,041	1,037	1,036	1,036	1,038
New Hampshire	1,030	1,030	1,028	1,032	1,033	1,033	1,036
New Jersey	1,035	1,034	1,034	1,039	1,040	1,039	1,042
New Mexico	1,040	1,042	1,034	1,032	1,031	1,035	1,040
New York	1,030	1,029	1,029	1,031	1,033	1,032	1,033
North Carolina	1,026	1,029	1,030	1,025	1,027	1,028	1,029
North Dakota	1,072	1,076	1,087	1,078	1,080	1,074	1,098
Ohio	1,061	1,060	1,061	1,065	1,065	1,064	1,068
Oklahoma	1,029	1,031	1,033	1,032	1,035	1,039	1,041
Oregon	1,066	1,080	1,080	1,080	1,070	1,070	1,063
Pennsylvania	1,036	1,036	1,037	1,037	1,039	1,039	1,041
Rhode Island	1,028	1,028	1,028	1,029	1,029	1,029	1,029
South Carolina	1,024	1,027	1,028	1,029	1,029	1,029	1,029
South Dakota	1,065	1,063	1,055	1,058	1,057	1,061	1,063
Tennessee	1,019	1,022	1,023	1,028	1,028	1,027	1,025
Texas	1,026	1,027	1,026	1,024	1,025	1,024	1,026
Utah	1,035	1,040	1,042	1,043	1,034	1,042	1,044
Vermont	1,030	1,033	1,026	1,034	1,036	1,035	1,036
Virginia	1,046	1,051	1,048	1,050	1,056	1,049	1,053
Washington	1,092	1,088	1,088	1,090	1,090	1,086	1,085
West Virginia	1,101	1,100	1,106	1,091	1,085	1,086	1,091
Wisconsin	1,034	1,039	1,032	1,040	1,039	1,035	1,040
Wyoming	1,053	1,057	1,058	1,057	1,057	1,060	1,054
Total	1,035	1,035	1,034	1,035	1,037	1,037	1,038

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	665	757	841	442
2019	800	767	889	904	518
2020	575	505	590	663	312
% Diff (normal to 2020)	-18.1	-24.1	-22.1	-21.2	-29.4
% Diff (2019 to 2020)	-28.1	-34.2	-33.6	-26.7	-39.8
November to November					
Normal	702	665	757	841	442
2019	800	767	889	904	518
2020	575	505	590	663	312
% Diff (normal to 2020)	-18.1	-24.1	-22.1	-21.2	-29.4
% Diff (2019 to 2020)	-28.1	-34.2	-33.6	-26.7	-39.8

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	454	305	739	366	589
2019	558	349	681	291	644
2020	343	193	636	349	466
% Diff (normal to 2020)	-24.5	-36.7	-13.9	-4.6	-20.9
% Diff (2019 to 2020)	-38.5	-44.7	-6.6	19.9	-27.6
November to November					
Normal	454	305	739	366	589
2019	558	349	681	291	644
2020	343	193	636	349	466
% Diff (normal to 2020)	-24.5	-36.7	-13.9	-4.6	-20.9
% Diff (2019 to 2020)	-38.5	-44.7	-6.6	19.9	-27.6

^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.

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Appendix A

Explanatory Notes

The U.S. 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 2020 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 Enverus DrillingInfo or IHS Markit. 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 2015 through 2018 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:

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

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 U.S. 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 2020 for report year 2019 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 IHS Markit. 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, IHS Markit, 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 Energy Production, Conversion, and Delivery. 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 140 companies that operate underground facilities in the United States (prior to 2013, Alaska data were not included in the EIA-191 survey). The final monthly and annual response rates are 100 percent. The Form EIA-191 monthly schedule contains current month data on the total quantities of gas in storage, injections and withdrawals, the location (including state and county, field, reservoir) and peak day withdrawals during the reporting period. The annual schedule contains type of facility, storage field capacity, maximum deliverability

and pipelines to which each field is connected. The annual schedule for the prior year is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the last day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are submitted on separate forms for each month. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

The *Monthly Energy Review* contains data from the Form EIA-191 survey.

Quarterly Natural Gas Import and Export Sales and Price Report

Beginning in 1995, import and export data have been taken from the *Quarterly Natural Gas Import and Export Sales and Price Report*. This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas. The Office of Fossil Energy provides authorizations for imports or exports under Section 3 of the Natural Gas Act of 1938.

All companies are required, as a condition of their authorizations, to file monthly and quarterly reports with the Office of Fossil Energy. The data are reported at a monthly level of detail.

Form EIA-857, Monthly Report of Natural Gas Purchases and Deliveries to Consumers

Monthly price and volume data on gas deliveries are collected on the Form EIA-857 from a sample of respondents representing the 50 states and the District of Columbia. Response to Form EIA-857 is mandatory and data are considered proprietary. Completed forms are required to be submitted to EIA on or before the 30th day after the end of the report month.

A sample of approximately 325 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 states and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 monthly. Each month about half the responses are received by the due date although response rates by first publication of the relevant month are approximately 95 percent. When a response is extremely late, volumes are imputed, as described in Appendix C, "Statistical Considerations." When the company's submission is eventually received, the submitted data are entered into the data system and used for subsequent processing and revisions.

Form EIA-857 data are used to estimate monthly sales of natural gas (volume and price) by state and monthly deliveries of natural gas on behalf of others (volume) by state to three consumer sectors --residential, commercial, and industrial. Data from Form EIA-857 are also used to calculate the citygate price. See Appendix C for a discussion of the sample design and estimation procedures. Monthly prices of natural gas to the electric

power sector are calculated from data reported on Form EIA-923, *Electric Power Plant Operations*. Data from Form EIA-857 are also used to calculate the citygate price.

Form EIA-910, Monthly Natural Gas Marketer Survey

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

Approximately 160 natural gas marketers currently report to the survey. Final monthly survey response rates are 100 percent. Responses are filed with EIA in Washington, DC, on or before the 30th day after the end of the report month.

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

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Appendix C

Statistical Considerations

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

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

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

Sample Design

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

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

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

Sample Universe. The sample of 323 respondents in use for 2019 and 2020 was selected from a universe of 2,083 companies. These companies were respondents to the Form EIA-176, *Annual Report of Natural and Supplemental Gas Supply and Disposition*, for reporting year 2018, 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 $\sum_{i \in S} y_{ij} / \sum_{i \in S} x_{ij}$ 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),

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

V_{m_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 $\sum_{i \in s} y_{ij} / \sum_{i \in s} x_{ij}$ 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:

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

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, October 2020

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	1.9	0.7	3.6	3.1	0.34	0.09	0.08
Alaska	1.6	1.1	0.0	0.7	0.00	0.00	0.00
Arizona	8.3	4.2	1.3	3.1	0.34	0.05	0.04
Arkansas	2.2	0.3	2.2	1.4	0.04	0.03	0.28
California	0.9	0.7	0.7	0.5	0.21	0.16	0.31
Colorado	1.3	0.8	1.0	0.7	0.07	0.04	0.17
Connecticut	NA	NA	NA	NA	0.00	NA	0.80
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	NA	NA	NA	NA	NA	NA	NA
Georgia	0.0	0.0	2.4	0.0	0.18	0.07	0.27
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	1.1	0.5	0.1	0.3	0.00	0.01	0.00
Illinois	1.2	2.5	1.2	0.9	0.12	0.08	0.09
Indiana	2.8	1.8	2.6	1.9	0.23	0.08	0.22
Iowa	1.4	1.6	0.8	0.7	0.17	0.10	0.23
Kansas	5.6	1.7	1.8	1.7	0.22	0.35	0.18
Kentucky	1.1	1.4	1.9	1.4	0.07	0.15	0.11
Louisiana	4.7	2.5	NA	NA	0.58	0.25	NA
Maine	NA	NA	0.0	NA	NA	NA	0.09
Maryland	0.4	1.6	1.7	0.8	0.03	0.09	0.00
Massachusetts	NA	1.7	NA	NA	NA	0.44	0.27
Michigan	0.6	1.1	1.8	0.7	0.03	0.09	0.09
Minnesota	4.5	2.8	5.6	2.8	0.16	0.07	0.04
Mississippi	8.0	4.3	2.0	1.8	0.59	0.22	0.26
Missouri	5.1	5.4	1.5	2.2	0.26	0.18	0.21
Montana	NA	NA	0.1	NA	NA	NA	0.55
Nebraska	1.4	0.6	1.2	0.9	0.42	0.28	0.14
Nevada	0.0	0.7	0.1	0.2	0.00	0.00	0.03
New Hampshire	0.0	0.0	0.0	0.0	0.00	0.00	0.00
New Jersey	0.0	0.0	2.2	0.5	0.00	0.00	NA
New Mexico	7.1	1.1	1.3	2.4	0.27	0.16	0.01
New York	0.0	0.0	5.5	0.0	0.14	0.04	NA
North Carolina	0.8	2.4	1.2	0.9	0.49	0.19	0.17
North Dakota	0.6	0.5	1.1	0.8	0.04	0.02	0.01
Ohio	0.0	0.0	3.2	0.0	0.08	0.03	0.67
Oklahoma	5.6	2.4	0.9	0.9	1.05	0.63	0.06
Oregon	0.0	0.0	1.7	0.9	0.00	0.00	0.00
Pennsylvania	1.9	1.2	2.0	1.2	0.14	0.10	0.24
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	1.2	1.6	1.8	1.4	0.75	0.18	0.14
South Dakota	2.0	0.9	2.5	1.9	0.04	0.03	0.00
Tennessee	5.3	2.6	1.0	1.1	0.60	0.17	0.10
Texas	NA	2.3	1.8	NA	NA	0.35	0.03
Utah	1.5	0.2	0.1	0.5	0.01	0.00	0.07
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	1.6	0.8	1.2	0.8	0.2		

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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.