



Independent Statistics & Analysis
U.S. Energy Information
Administration

Natural Gas Monthly

June 2021



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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 April 2021.

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, 2016-2021

(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
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 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	-284	49	6	2,708
April	£3,372	£3,002	214	£2,788	6	-231	-306	-12	2,245
May	£3,298	£2,934	212	£2,722	5	-209	-448	1	2,071
June	£3,225	£2,876	226	£2,651	5	-151	-358	-11	2,135
July	£3,383	£3,023	241	£2,783	6	-139	-161	4	2,493
August	£3,388	£3,037	240	£2,797	4	-148	-227	-21	2,404
September	£3,273	£2,914	230	£2,684	4	-221	-323	30	2,174
October	£3,379	£2,996	238	£2,757	5	-282	-92	-64	2,323
November	£3,370	£2,990	231	£2,760	5	R-316	-4	R-4	2,440
December	£3,508	£3,094	225	£2,869	6	R-287	587	R-17	3,158
Total	£40,690	£36,173	2,737	£33,436	64	R-2,732	-178	R-107	30,482
2021									
January	£3,506	£3,100	232	£2,868	5	-279	707	-15	R3,286
February	RE2,924	RE2,577	170	RE2,407	6	-155	781	R-5	R3,034
March	RE3,484	RE3,083	229	RE2,854	5	R-353	59	R43	2,608
April	£3,396	£3,013	237	£2,776	5	-352	-174	-12	2,244
2021 4-Month YTD	£13,310	£11,773	869	£10,904	22	-1,140	1,373	12	11,171
2020 4-Month YTD	£13,866	£12,308	894	£11,414	23	-979	849	-25	11,282
2019 4-Month YTD	13,177	11,642	812	10,830	20	-423	1,172	-68	11,531

^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 2016 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; and 70 for 2016. 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.

^R Revised data.

^E Estimated data.

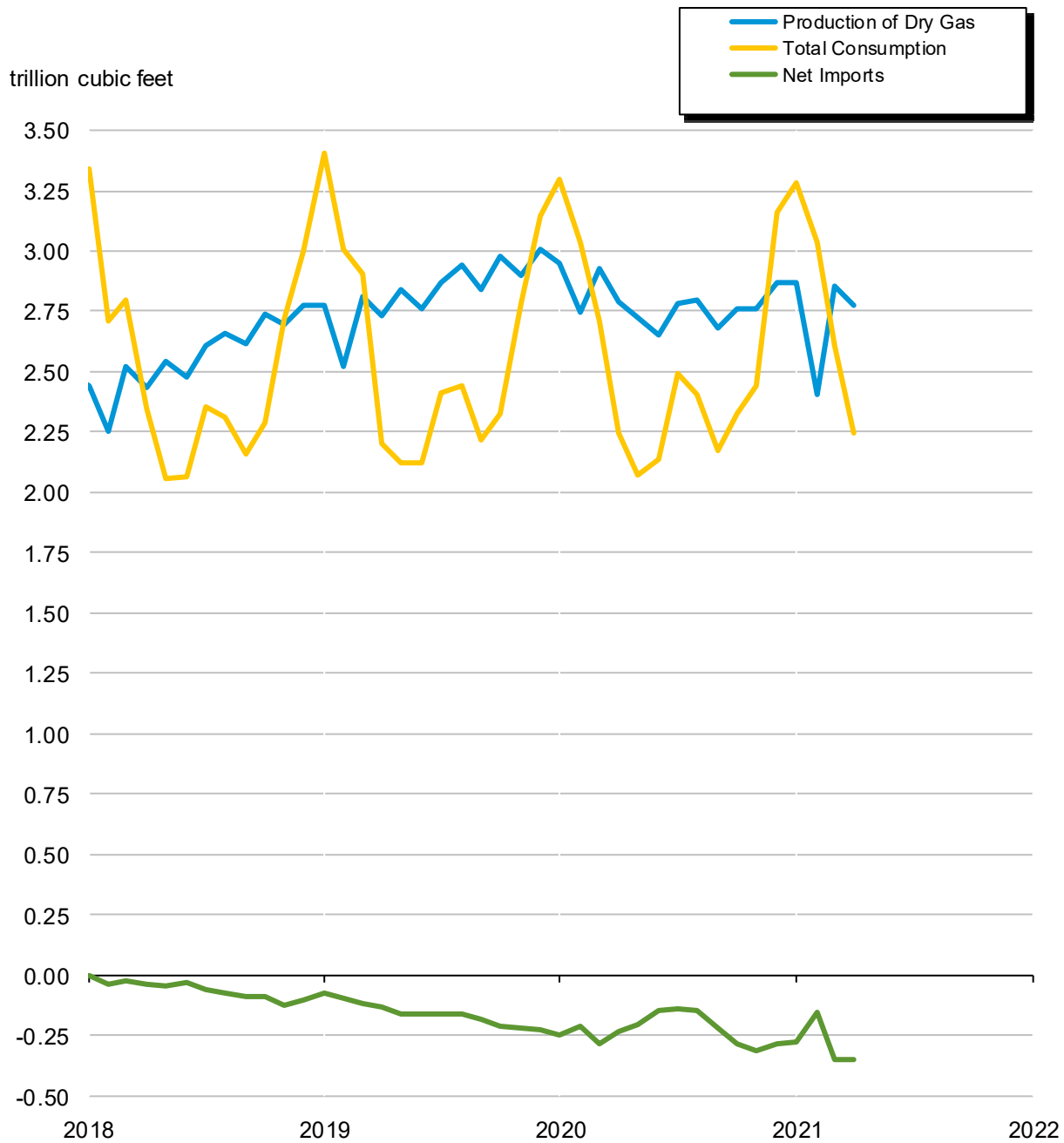
^{RE} Revised estimated data.

Notes: Data for 2016 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: 2016-2019: 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, 2018-2021



Sources: 2018-2019: 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, 2016-2021

(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		
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 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	1,046	£5	1,925	2,135	1,032
July	£153	£76	117	128	641	1,372	£5	2,264	2,493	1,032
August	£154	£73	109	131	654	1,280	£5	2,178	2,404	1,033
September	£147	£66	125	142	651	1,038	£5	1,961	2,174	1,035
October	£151	£71	240	207	695	954	£5	2,101	2,323	1,036
November	£151	£74	439	293	711	767	£5	2,215	2,440	1,037
December	£156	£96	793	449	787	873	£5	2,906	3,158	1,039
Total	£1,829	£926	4,648	3,147	8,257	11,616	£59	27,727	30,482	1,037
2021										
January	£157	£100	876	491	791	866	£5	3,030	£3,286	1,038
February	RE130	£92	860	489	RE670	788	£5	RE2,811	RE3,034	1,041
March	£156	£79	567	353	703	744	£5	RE2,372	2,608	1,038
April	£152	£68	340	245	680	754	£5	2,023	2,244	1,036
2021 4-Month YTD	£595	£339	2,643	1,578	2,844	3,152	£20	10,236	11,171	1,038
2020 4-Month YTD	£622	£343	2,453	1,504	2,887	3,453	£19	10,317	11,282	1,039
2019 4-Month YTD	589	353	2,778	1,697	2,947	3,151	17	10,590	11,531	1,037

^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.

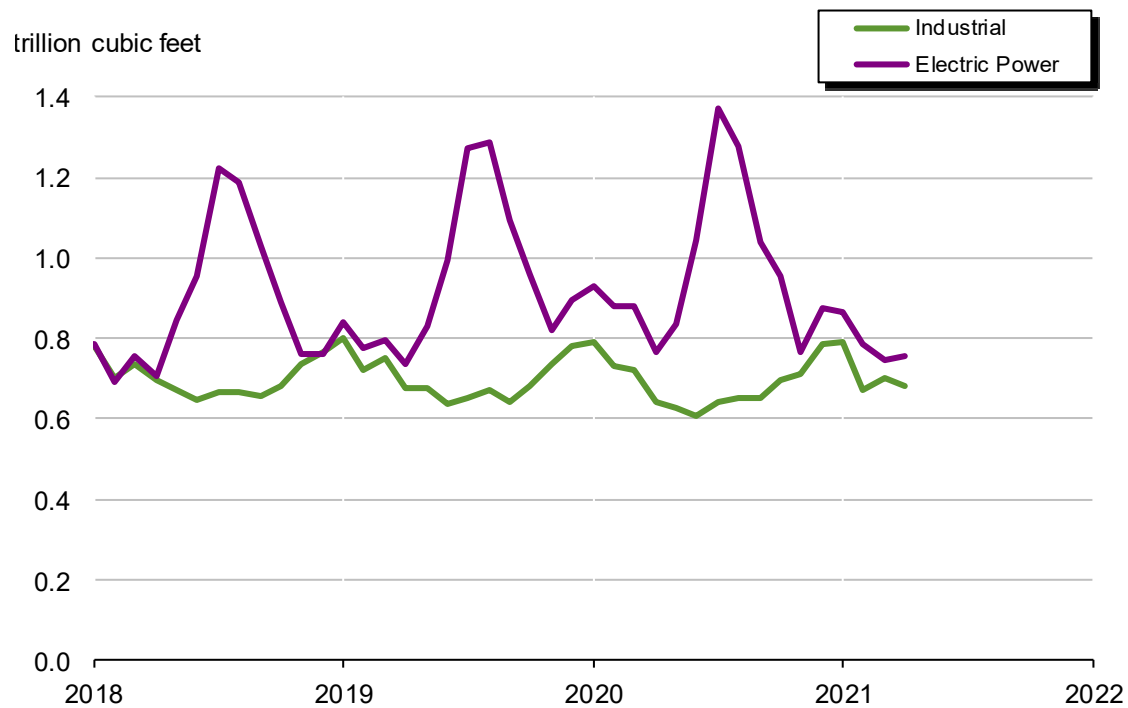
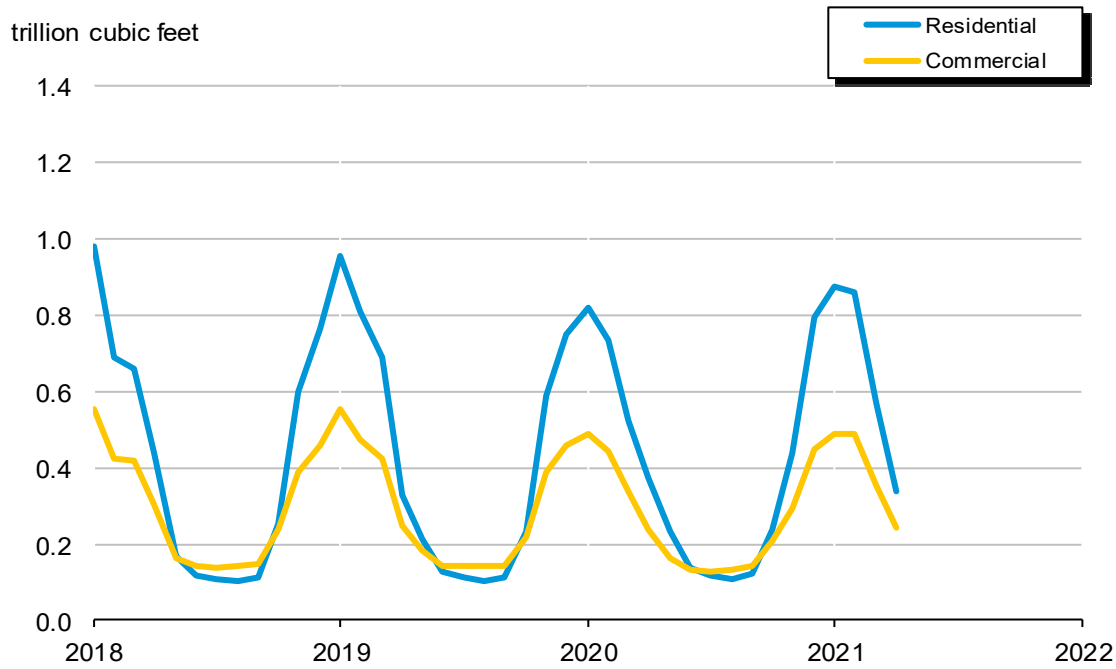
^{RE} Revised estimated data.

Notes: Data for 2016 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: 2016-2019: 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, 2018-2021



Sources: 2018-2019: 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, 2016-2021

(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	
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 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	1.74	3.05	10.66	95.9	7.28	63.7	2.96	12.8	2.20
May	3.89	1.75	3.37	11.85	95.7	7.74	59.0	2.86	13.2	2.25
June	4.21	1.63	3.85	15.37	95.9	8.19	56.6	2.72	12.9	2.08
July	4.54	1.77	3.86	17.63	96.3	8.50	55.7	2.55	12.8	2.10
August	5.01	2.30	3.96	18.42	95.9	8.51	54.3	2.92	12.4	2.47
September	4.75	1.92	4.10	16.99	96.6	8.47	54.8	3.16	13.2	2.49
October	4.97	2.39	3.47	12.36	96.6	7.62	60.6	3.25	13.0	2.57
November	5.24	2.61	3.80	11.07	96.8	7.66	65.4	3.93	13.2	3.08
December	5.76	2.59	3.55	9.81	96.8	7.42	69.6	4.07	13.7	3.30
Annual Average	4.47	2.03	3.42	10.84	96.3	7.48	64.6	3.29	13.0	2.48
2021										
January	7.07	2.71	3.45	9.73	96.7	7.43	70.4	4.04	13.4	3.33
February	7.75	5.35	12.43	9.37	96.7	7.38	70.0	9.34	12.6	16.29
March	7.61	2.62	4.09	10.54	96.4	8.02	67.9	4.37	13.6	3.41
April	7.02	2.66	3.82	12.21	96.3	8.35	64.8	3.97	13.4	3.14
2021 4-Month YTD	7.34	3.29	6.51	10.15	96.6	7.70	68.8	5.30	13.3	6.54
2020 4-Month YTD	3.79	1.86	3.18	9.66	96.2	7.16	67.6	3.40	13.0	2.43
2019 4-Month YTD	6.43	2.86	3.96	9.59	96.1	7.57	68.6	4.51	13.6	3.65

^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, an LSEG business. See Appendix A, Explanatory Note 9, for full discussion.

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

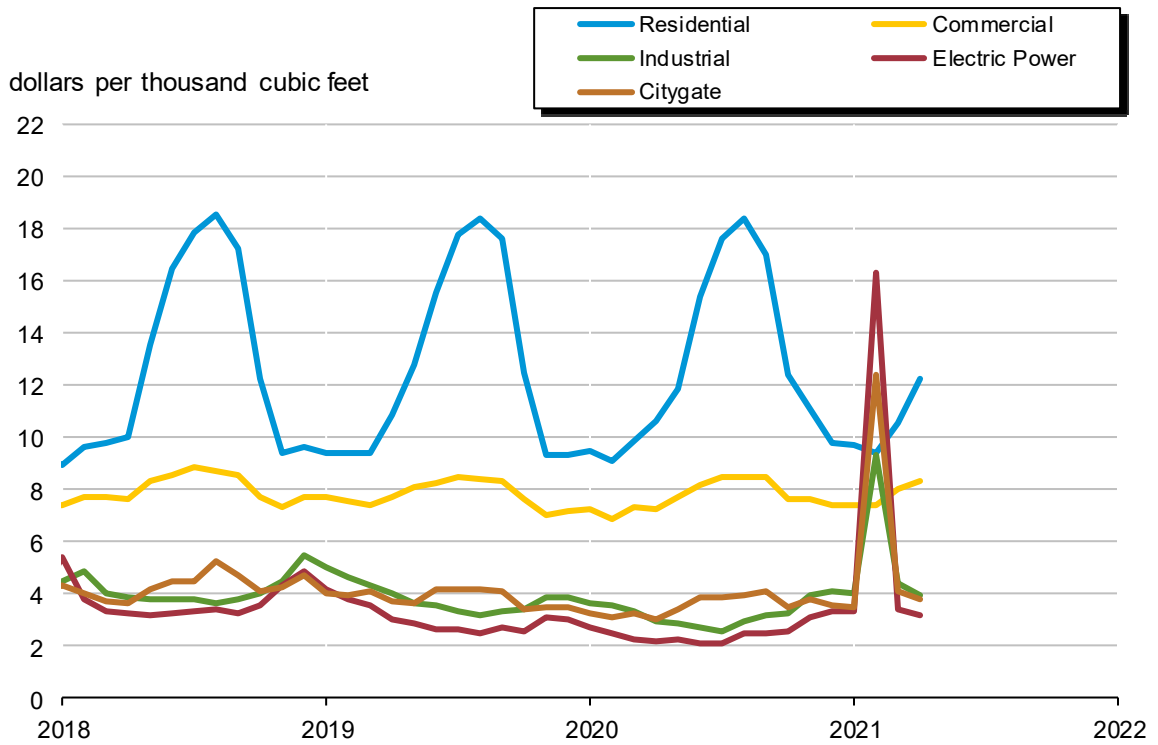
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^R Revised data.

Notes: Prices are in nominal dollars. Data for 2016 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: 2016-2019: 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, an LSEG business; and EIA estimates.

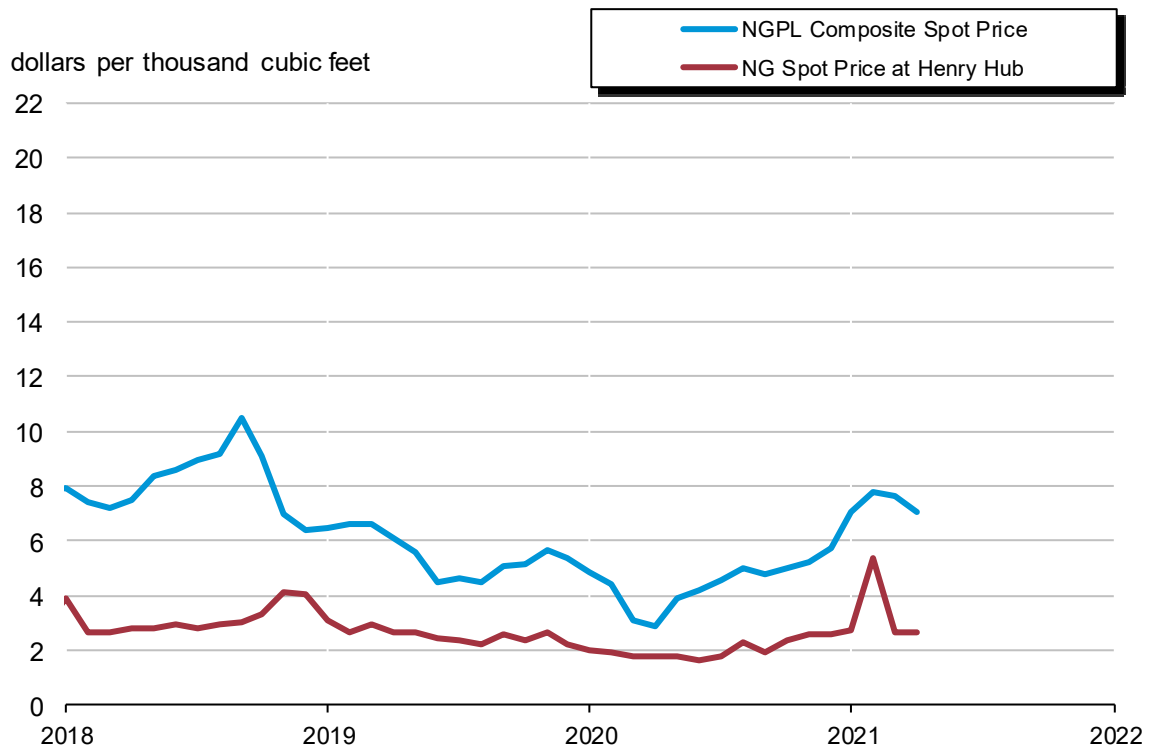
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2018-2021



Note: Prices are in nominal dollars.

Sources: 2018-2019: 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, an LSEG business; and EIA estimates.

Figure 4. Spot prices of natural gas and natural gas plant liquids in the United States, 2018-2021



Note: Prices are in nominal dollars.

Sources: 2018-2019: 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, an LSEG business; and EIA estimates.

Table 4. U.S. natural gas imports, 2019-2021

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

	2021 4-Month YTD	2020 4-Month YTD	2019 4-Month YTD	April	March	February	2021 January
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	988,507	877,782	954,875	208,290	R237,299	265,310	277,608
Mexico	1,098	815	365	52	56	933	57
Total Pipeline Imports	989,605	878,597	955,240	208,342	R237,355	266,243	277,665
LNG							
By Truck							
Canada	20	4	209	8	2	7	3
By Vessel							
France	0	0	2,651	0	0	0	0
Nigeria	0	1,584	0	0	0	0	0
Norway	0	3,032	0	0	0	0	0
Trinidad/Tobago	13,470	20,362	25,519	0	1,406	5,688	6,376
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	13,490	24,982	28,378	8	1,409	5,694	6,379
CNG							
Canada	86	111	160	19	23	23	21
Total CNG Imports	86	111	160	19	23	23	21
Total Imports	1,003,181	903,689	983,778	208,369	R238,787	271,961	284,065
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.40	1.91	3.25	2.44	2.63	5.51	2.75
Mexico	13.50	2.07	4.00	2.47	3.10	15.39	2.91
Total Pipeline Imports	3.41	1.91	3.25	2.44	2.63	5.54	2.75
LNG							
By Truck							
Canada	6.17	6.83	7.09	3.68	8.24	8.07	6.92
By Vessel							
France	--	--	10.39	--	--	--	--
Nigeria	--	5.30	--	--	--	--	--
Norway	--	6.16	--	--	--	--	--
Trinidad/Tobago	8.46	5.01	8.70	--	8.36	9.44	7.62
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	8.46	5.17	8.84	3.68	8.36	9.44	7.62
CNG							
Canada	4.80	4.39	5.04	3.09	4.59	5.83	5.41
Total CNG Imports	4.80	4.39	5.04	3.09	4.59	5.83	5.41
Total Imports	3.59	2.14	3.66	2.44	2.71	5.82	3.03
Net Imports - Volume	-1,140,178	-979,203	-422,715	-352,161	R-353,251	R-155,348	R-279,418

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2019-2021

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

							2020
	Total	December	November	October	September	August	July
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	2,500,113	261,053	208,814	199,175	172,869	208,069	206,195
Mexico	1,706	56	57	89	99	376	119
Total Pipeline Imports	2,501,819	261,108	208,871	199,264	172,968	208,445	206,315
LNG							
By Truck							
Canada	43	7	4	8	6	9	4
By Vessel							
France	0	0	0	0	0	0	0
Nigeria	6,906	2,629	0	0	0	0	0
Norway	3,032	0	0	0	0	0	0
Trinidad/Tobago	39,233	2,853	2,841	0	1,235	2,874	4,078
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	49,214	5,489	2,846	8	1,241	2,883	4,083
CNG							
Canada	300	20	20	25	17	24	22
Total CNG Imports	300	20	20	25	17	24	22
Total Imports	2,551,333	266,618	211,736	199,297	174,225	211,352	210,419
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.00	2.72	2.64	2.17	1.99	1.87	1.58
Mexico	3.48	3.07	3.20	2.97	3.41	7.81	1.89
Total Pipeline Imports	2.00	2.72	2.64	2.17	1.99	1.88	1.58
LNG							
By Truck							
Canada	6.09	6.52	4.69	4.74	6.40	5.31	9.96
By Vessel							
France	--	--	--	--	--	--	--
Nigeria	3.50	4.11	--	--	--	--	--
Norway	6.16	--	--	--	--	--	--
Trinidad/Tobago	4.67	6.86	6.94	--	3.38	1.50	4.59
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	4.60	5.54	6.93	4.74	3.40	1.52	4.59
CNG							
Canada	3.26	3.82	3.86	2.27	2.26	2.39	2.24
Total CNG Imports	3.26	3.82	3.86	2.27	2.26	2.39	2.24
Total Imports	2.05	2.89	2.79	2.17	2.02	1.90	1.73
Net Imports - Volume	R-2,732,274	R-286,558	R-316,474	-282,323	-221,199	-147,807	-138,748

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2019-2021

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

						2020	2019
	June	May	April	March	February	January	Total
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	182,539	183,618	186,752	210,237	232,269	248,524	2,686,564
Mexico	32	63	60	100	355	300	1,873
Total Pipeline Imports	182,571	183,681	186,812	210,337	232,624	248,824	2,688,436
LNG							
By Truck							
Canada	0	*	0	3	1	1	226
By Vessel							
France	0	0	0	0	0	0	2,651
Nigeria	2,693	0	0	0	0	1,584	3,154
Norway	0	0	0	0	0	3,032	0
Trinidad/Tobago	2,178	2,811	3,214	2,857	5,689	8,602	46,872
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	4,871	2,811	3,214	2,860	5,689	13,218	52,903
CNG							
Canada	36	26	23	34	15	38	377
Total CNG Imports	36	26	23	34	15	38	377
Total Imports	187,478	186,518	190,049	213,231	238,328	262,080	2,741,717
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	1.53	1.58	1.49	1.62	1.94	2.43	2.44
Mexico	0.84	1.51	1.26	1.64	2.11	2.34	2.83
Total Pipeline Imports	1.53	1.58	1.49	1.62	1.94	2.43	2.44
LNG							
By Truck							
Canada	--	5.75	--	6.30	6.74	8.81	7.19
By Vessel							
France	--	--	--	--	--	--	10.39
Nigeria	1.84	--	--	--	--	5.30	5.56
Norway	--	--	--	--	--	6.16	--
Trinidad/Tobago	1.33	4.26	1.48	4.34	5.66	6.11	7.40
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	1.61	4.26	1.48	4.34	5.67	6.03	7.44
CNG							
Canada	2.13	2.37	2.27	2.92	3.99	7.16	3.43
Total CNG Imports	2.13	2.37	2.27	2.92	3.99	7.16	3.43
Total Imports	1.57	1.68	1.51	1.71	2.16	2.91	2.54
Net Imports - Volume	-151,009	-208,954	-230,717	-284,206	-215,917	-248,363	-1,914,608

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2019-2021

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

							2019
	December	November	October	September	August	July	June
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	244,590	220,843	204,908	208,201	217,054	227,488	201,069
Mexico	949	109	69	63	114	62	64
Total Pipeline Imports	245,539	220,952	204,977	208,264	217,167	227,550	201,133
LNG							
By Truck							
Canada	3	1	*	0	*	*	5
By Vessel							
France	0	0	0	0	0	0	0
Nigeria	3,154	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	7,323	2,780	5,532	0	2,886	2,832	0
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	10,481	2,781	5,532	0	2,886	2,832	5
CNG							
Canada	33	31	28	22	23	26	26
Total CNG Imports	33	31	28	22	23	26	26
Total Imports	256,053	223,765	210,537	208,286	220,076	230,407	201,163
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.84	2.66	1.96	1.65	1.63	1.72	1.54
Mexico	2.72	2.71	2.28	2.09	2.24	2.29	2.08
Total Pipeline Imports	2.84	2.66	1.96	1.65	1.63	1.72	1.54
LNG							
By Truck							
Canada	9.98	8.98	6.33	--	6.00	6.33	8.44
By Vessel							
France	--	--	--	--	--	--	--
Nigeria	5.56	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	6.42	7.12	4.65	--	4.57	6.73	--
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	6.17	7.12	4.65	--	4.57	6.73	8.44
CNG							
Canada	5.80	4.52	2.48	0.36	0.61	0.68	0.85
Total CNG Imports	5.80	4.52	2.48	0.36	0.61	0.68	0.85
Total Imports	3.23	2.80	2.15	1.65	1.73	1.86	1.54
Net Imports - Volume	-224,953	-217,597	-215,237	-186,225	-164,907	-162,993	-159,063

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2019-2021

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

	2019				
	May	April	March	February	January
Imports					
Volume (million cubic feet)					
Pipeline					
Canada ^a	207,535	203,620	249,309	225,650	276,296
Mexico	78	65	133	100	67
Total Pipeline Imports	207,613	203,685	249,443	225,750	276,363
LNG					
By Truck					
Canada	9	31	44	56	78
By Vessel					
France	0	0	0	0	2,651
Nigeria	0	0	0	0	0
Norway	0	0	0	0	0
Trinidad/Tobago	0	2,811	3,456	7,499	11,753
United Kingdom	0	0	0	0	0
Total LNG Imports	9	2,842	3,499	7,555	14,482
CNG					
Canada	29	32	47	39	42
Total CNG Imports	29	32	47	39	42
Total Imports	207,651	206,559	252,989	233,344	290,886
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada	1.81	1.97	3.63	3.60	3.55
Mexico	1.89	2.40	4.06	5.29	3.55
Total Pipeline Imports	1.81	1.97	3.63	3.60	3.55
LNG					
By Truck					
Canada	7.66	7.20	7.07	7.06	7.08
By Vessel					
France	--	--	--	--	10.39
Nigeria	--	--	--	--	--
Norway	--	--	--	--	--
Trinidad/Tobago	--	7.33	7.71	8.98	9.14
United Kingdom	--	--	--	--	--
Total LNG Imports	7.66	7.32	7.70	8.97	9.36
CNG					
Canada	0.94	1.57	3.48	6.48	8.08
Total CNG Imports	0.94	1.57	3.48	6.48	8.08
Total Imports	1.81	2.14	3.79	4.06	4.30
Net Imports - Volume	-160,917	-131,654	-120,550	-96,610	-73,900

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

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

^c Revised data.

-- Not applicable.

* Volume is less than 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, 2019-2021

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

	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	328,633	334,886	343,344	74,207	₹91,301	₹78,198	₹84,927
Mexico	673,296	617,041	575,321	179,505	183,051	137,381	173,360
Total Pipeline Exports	1,001,929	951,927	918,666	253,711	₹274,352	₹215,579	₹258,287
LNG							
Exports							
By Vessel							
Argentina	6,724	0	4,369	4,485	2,238	0	0
Bahamas	142	70	50	46	39	29	28
Bangladesh	16,932	3,640	0	10,219	3,566	0	3,148
Barbados	79	103	62	30	14	19	17
Belgium	3,484	23,680	3,390	0	3,484	0	0
Brazil	67,842	25,762	7,719	11,615	21,977	13,118	21,132
Canada	0	0	0	0	0	0	0
Chile	47,922	34,132	22,367	10,293	21,320	6,524	9,784
China	117,668	38,839	6,851	46,837	28,476	3,415	38,940
Colombia	892	1,528	5,869	892	0	0	0
Croatia	11,033	0	0	3,666	7,367	0	0
Dominican Republic	21,067	4,709	2,942	2,905	5,577	5,689	6,895
Egypt	0	0	0	0	0	0	0
France	88,236	66,910	45,249	36,120	30,341	18,188	3,587
Greece	7,405	23,402	3,394	0	6,805	0	600
Haiti	36	36	2	3	10	11	12
India	65,275	37,229	28,208	13,752	17,381	13,776	20,367
Israel	6,051	3,197	0	3,225	2,826	0	0
Italy	17,635	35,954	20,640	6,896	10,739	0	0
Jamaica	10,900	9,554	2,320	2,370	2,458	2,365	3,708
Japan	139,032	93,873	49,189	28,756	27,673	18,271	64,331
Jordan	0	0	7,317	0	0	0	0
Kuwait	7,526	3,297	0	3,705	3,821	0	0
Lithuania	13,157	2,945	0	3,078	3,228	6,851	0
Malaysia	0	0	0	0	0	0	0
Malta	2,928	2,648	413	2,928	0	0	0
Mexico	13,354	16,968	38,434	0	0	13,354	0
Netherlands	66,989	44,857	26,851	17,060	24,204	22,777	2,949
Pakistan	10,426	10,224	6,647	3,323	3,421	0	3,682
Panama	3,795	4,314	6,461	0	3,279	0	516
Poland	17,988	17,066	16,877	7,382	3,507	7,099	0
Portugal	10,718	16,964	17,498	7,358	0	3,360	0
Singapore	14,288	10,610	14,200	7,297	3,303	0	3,688
South Korea	127,916	108,049	65,744	21,683	32,203	18,094	55,936
Spain	47,985	91,252	34,195	22,974	13,900	3,733	7,377
Taiwan	30,363	23,419	6,349	6,594	13,450	0	10,319
Thailand	7,388	18,267	0	7,388	0	0	0
Turkey	50,930	77,459	19,281	0	3,619	20,652	26,659
United Arab Emirates	0	0	6,787	0	0	0	0
United Kingdom	87,095	79,514	17,753	13,877	17,440	34,343	21,436
By Truck							
Canada	15	2	1	15	0	0	0
Mexico	213	355	311	48	₹19	63	83
Total LNG Exports	1,141,431	930,826	487,739	306,818	₹317,686	211,730	305,196
CNG							
Canada	0	140	88	0	0	0	0
Total CNG Exports	0	140	88	0	0	0	0
Total Exports	2,143,360	1,882,892	1,406,493	560,529	₹592,038	₹427,309	₹563,483

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2019-2021

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

							2020
	Total	December	November	October	September	August	July
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	902,449	84,307	81,358	72,833	62,211	60,810	71,778
Mexico	1,990,809	164,577	166,135	185,799	182,068	185,867	181,152
Total Pipeline Exports	2,893,258	248,884	247,493	258,632	244,279	246,677	252,930
LNG							
Exports							
By Vessel							
Argentina	17,232	0	0	0	0	4,413	2,218
Bahamas	257	36	31	25	20	21	15
Bangladesh	10,660	0	0	0	0	0	3,614
Barbados	241	25	15	17	14	14	15
Belgium	31,946	0	3,633	3,285	0	0	0
Brazil	111,908	29,927	30,191	22,508	0	3,520	0
Canada	0	0	0	0	0	0	0
Chile	80,615	9,793	3,252	6,836	3,277	7,428	1,515
China	214,401	45,525	45,083	35,115	11,245	13,699	10,358
Colombia	4,626	0	0	0	2,548	550	0
Croatia	3,275	3,275	0	0	0	0	0
Dominican Republic	26,050	5,000	5,106	5,909	0	2,772	0
Egypt	0	0	0	0	0	0	0
France	90,237	3,752	3,390	6,639	0	0	0
Greece	48,403	3,382	3,543	0	7,027	0	6,544
Haiti	118	17	11	9	8	11	8
India	124,402	10,241	10,299	17,762	10,514	10,319	7,404
Israel	15,834	0	0	0	3,041	3,001	3,317
Italy	68,453	0	3,083	0	0	6,734	3,232
Jamaica	17,052	2,374	0	2,514	2,610	0	0
Japan	288,058	54,004	32,967	31,636	6,855	22,541	10,618
Jordan	6,872	0	0	0	3,578	0	0
Kuwait	17,293	0	0	3,603	3,508	6,886	0
Lithuania	28,879	6,291	3,621	6,191	3,308	0	0
Malaysia	0	0	0	0	0	0	0
Malta	2,648	0	0	0	0	0	0
Mexico	34,408	0	3,056	7,398	3,285	3,701	0
Netherlands	85,573	3,316	6,684	3,603	6,671	0	6,746
Pakistan	36,934	0	3,436	10,009	9,853	3,412	0
Panama	12,764	271	1,448	433	3,228	0	0
Poland	36,900	7,033	0	3,157	0	0	0
Portugal	36,922	3,711	5,830	3,564	6,853	0	0
Singapore	28,341	0	7,658	3,416	0	2,967	3,690
South Korea	316,613	39,617	49,103	14,321	32,126	13,814	10,492
Spain	199,966	13,583	9,907	14,118	15,206	3,222	13,679
Taiwan	64,363	12,470	6,216	3,636	9,007	0	0
Thailand	32,622	0	3,705	0	0	0	3,254
Turkey	123,957	20,188	12,817	0	3,611	0	3,222
United Arab Emirates	10,110	0	0	0	0	3,359	3,277
United Kingdom	160,199	30,378	26,544	17,191	3,664	0	2,908
By Truck							
Canada	10	8	0	0	0	0	0
Mexico	822	46	52	68	73	78	72
Total LNG Exports	2,389,963	304,263	280,682	222,963	151,128	112,462	96,200
CNG							
Canada	386	29	35	26	17	20	37
Total CNG Exports	386	29	35	26	17	20	37
Total Exports	5,283,607	553,176	528,210	481,621	395,424	359,159	349,167

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2019-2021

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

						2020	2019
	June	May	April	March	February	January	Total
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	66,516	67,752	71,722	86,579	77,354	99,231	971,334
Mexico	162,927	145,242	138,544	166,550	151,071	160,875	1,865,329
Total Pipeline Exports	229,442	212,994	210,266	253,130	228,425	260,106	2,836,662
LNG							
Exports							
By Vessel							
Argentina	2,229	8,372	0	0	0	0	39,293
Bahamas	18	20	23	20	13	15	156
Bangladesh	0	3,406	0	0	0	3,640	3,419
Barbados	20	20	15	28	26	33	211
Belgium	0	1,348	3,324	3,724	9,872	6,761	23,897
Brazil	0	0	0	6,891	10,433	8,438	54,298
Canada	0	0	0	0	0	0	0
Chile	3,313	11,068	14,098	3,216	10,731	6,087	90,357
China	0	14,535	21,140	17,699	0	0	6,851
Colombia	0	0	0	0	1,003	525	6,518
Croatia	0	0	0	0	0	0	0
Dominican Republic	0	2,554	1,838	2,872	0	0	10,334
Egypt	0	0	0	0	0	0	0
France	0	9,546	16,336	23,491	20,520	6,563	117,791
Greece	1,076	3,430	3,233	8,892	0	11,276	14,643
Haiti	7	10	8	9	11	7	42
India	10,100	10,534	16,674	17,245	0	3,309	91,481
Israel	3,277	0	0	3,197	0	0	0
Italy	12,998	6,452	3,135	9,895	16,616	6,308	68,655
Jamaica	0	0	5,770	1	2,914	869	13,892
Japan	21,836	13,729	18,387	21,845	21,360	32,280	201,085
Jordan	0	3,294	0	0	0	0	32,332
Kuwait	0	0	3,297	0	0	0	10,308
Lithuania	3,049	3,473	2,945	0	0	0	3,455
Malaysia	0	0	0	0	0	0	3,698
Malta	0	0	0	0	48	2,600	413
Mexico	0	0	0	7,037	3,167	6,764	143,371
Netherlands	6,870	6,826	10,305	13,772	14,099	6,681	81,361
Pakistan	0	0	3,334	0	3,567	3,323	26,787
Panama	0	3,070	0	906	3,408	0	10,221
Poland	3,385	6,258	3,523	3,583	6,677	3,282	38,042
Portugal	0	0	10,777	0	6,187	0	53,342
Singapore	0	0	0	10,610	0	0	31,440
South Korea	28,171	20,921	24,258	28,095	11,071	44,625	270,025
Spain	9,640	29,360	22,943	23,657	20,240	24,412	166,684
Taiwan	2,953	6,662	0	6,987	7,115	9,317	27,397
Thailand	0	7,397	11,049	3,783	3,435	0	6,635
Turkey	0	6,661	14,030	6,489	24,303	32,637	30,611
United Arab Emirates	0	3,474	0	0	0	0	20,561
United Kingdom	0	0	0	20,202	28,884	30,428	118,662
By Truck							
Canada	0	0	0	0	0	2	25
Mexico	61	18	23	123	87	122	1,105
Total LNG Exports	109,002	182,438	210,466	244,269	225,786	250,305	1,819,399
CNG							
Canada	43	39	35	38	34	33	263
Total CNG Exports	43	39	35	38	34	33	263
Total Exports	338,486	395,472	420,767	497,437	454,245	510,444	4,656,324

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2019-2021

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

	2019						
	December	November	October	September	August	July	June
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	109,175	92,089	76,246	71,573	78,302	68,613	61,809
Mexico	151,308	158,633	171,535	162,649	168,089	167,902	156,440
Total Pipeline Exports	260,483	250,722	247,781	234,222	246,391	236,515	218,249
LNG							
Exports							
By Vessel							
Argentina	0	0	0	0	0	13,066	13,120
Bahamas	11	14	8	2	20	11	25
Bangladesh	3,419	0	0	0	0	0	0
Barbados	20	20	25	17	17	17	13
Belgium	10,407	3,293	3,402	3,404	0	0	0
Brazil	0	3,279	3,345	6,117	12,868	6,949	9,116
Canada	0	0	0	0	0	0	0
Chile	7,207	3,484	6,608	9,811	6,297	9,382	19,012
China	0	0	0	0	0	0	0
Colombia	0	0	0	0	649	0	0
Croatia	0	0	0	0	0	0	0
Dominican Republic	501	0	2,927	2,857	0	0	1,108
Egypt	0	0	0	0	0	0	0
France	14,758	26,946	14,228	6,740	3,249	0	0
Greece	7,752	0	0	0	0	0	0
Haiti	12	8	4	9	3	2	3
India	7,090	6,933	6,961	14,355	7,294	3,485	3,215
Israel	0	0	0	0	0	0	0
Italy	12,764	6,345	0	3,230	6,082	9,963	3,072
Jamaica	2,435	2,464	0	0	2,946	837	0
Japan	21,226	17,603	24,504	28,084	17,506	21,242	14,582
Jordan	0	0	0	3,616	3,277	3,449	7,342
Kuwait	0	0	0	0	3,401	3,405	0
Lithuania	3,455	0	0	0	0	0	0
Malaysia	0	3,698	0	0	0	0	0
Malta	0	0	0	0	0	0	0
Mexico	9,696	3,273	6,437	10,442	13,681	24,209	16,955
Netherlands	13,405	10,099	3,456	3,431	6,688	3,386	3,310
Pakistan	3,253	3,247	3,472	6,512	0	3,656	0
Panama	0	478	0	0	0	0	3,282
Poland	7,013	3,432	3,489	0	3,537	3,694	0
Portugal	6,345	0	6,621	2,924	6,051	6,994	6,908
Singapore	3,375	0	3,463	0	0	3,570	3,435
South Korea	38,139	24,962	42,233	10,818	16,995	32,663	20,402
Spain	13,874	19,985	13,704	37,938	15,861	3,297	13,506
Taiwan	3,658	3,736	3,138	0	7,207	0	0
Thailand	0	0	0	3,234	0	0	0
Turkey	536	7,266	3,528	0	0	0	0
United Arab Emirates	0	0	0	3,325	3,502	3,487	3,459
United Kingdom	30,054	39,957	26,260	3,303	1,335	0	0
By Truck							
Canada	0	1	14	9	0	0	0
Mexico	93	86	139	95	113	101	92
Total LNG Exports	220,498	190,610	177,966	160,274	138,578	156,865	141,956
CNG							
Canada	25	30	28	15	15	20	20
Total CNG Exports	25	30	28	15	15	20	20
Total Exports	481,006	441,362	425,775	394,511	384,983	393,400	360,226

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2019-2021

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

	2019				
	May	April	March	February	January
Exports					
Volume (million cubic feet)					
Pipeline					
Canada	70,182	71,333	93,182	91,561	87,269
Mexico	153,452	139,750	149,514	135,514	150,544
Total Pipeline Exports	223,633	211,083	242,696	227,074	237,813
LNG					
Exports					
By Vessel					
Argentina	8,737	4,369	0	0	0
Bahamas	14	14	11	14	11
Bangladesh	0	0	0	0	0
Barbados	21	17	14	14	17
Belgium	0	0	3,390	0	0
Brazil	4,905	1,201	3,283	3,234	0
Canada	0	0	0	0	0
Chile	6,188	9,429	10,005	2,933	0
China	0	0	0	3,464	3,387
Colombia	0	0	2,935	0	2,934
Croatia	0	0	0	0	0
Dominican Republic	0	0	0	2,942	0
Egypt	0	0	0	0	0
France	6,621	17,092	20,853	0	7,303
Greece	3,497	0	0	3,394	0
Haiti	0	2	0	0	0
India	13,942	6,742	7,446	6,989	7,030
Israel	0	0	0	0	0
Italy	6,560	0	6,684	3,454	10,502
Jamaica	2,890	0	2,320	0	0
Japan	7,149	14,231	7,143	10,320	17,495
Jordan	7,332	3,622	0	3,695	0
Kuwait	3,502	0	0	0	0
Lithuania	0	0	0	0	0
Malaysia	0	0	0	0	0
Malta	0	413	0	0	0
Mexico	20,244	10,406	7,038	6,681	14,310
Netherlands	10,734	13,010	10,452	3,390	0
Pakistan	0	0	3,282	3,365	0
Panama	0	0	3,191	3,269	0
Poland	0	3,414	3,701	0	9,762
Portugal	0	3,489	0	3,720	10,289
Singapore	3,397	320	6,631	7,249	0
South Korea	18,069	13,000	18,013	17,750	16,981
Spain	14,325	10,139	10,678	6,748	6,631
Taiwan	3,309	6,349	0	0	0
Thailand	3,401	0	0	0	0
Turkey	0	2,969	0	6,483	9,829
United Arab Emirates	0	6,787	0	0	0
United Kingdom	0	0	3,669	3,711	10,373
By Truck					
Canada	0	0	0	1	0
Mexico	75	87	73	48	104
Total LNG Exports	144,913	127,102	130,814	102,866	126,957
CNG					
Canada	22	28	29	15	16
Total CNG Exports	22	28	29	15	16
Total Exports	368,568	338,213	373,539	329,954	364,787

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2019-2021

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

	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.11	1.98	3.40	2.58	2.86	4.03	2.99
Mexico	7.77	1.83	2.90	2.78	2.93	26.96	2.84
Total Pipeline Exports	6.24	1.88	3.09	2.72	2.91	18.64	2.89
LNG							
Exports							
By Vessel							
Argentina	6.35	--	5.51	6.25	6.55	--	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	5.18	4.31	--	5.56	6.07	--	2.95
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	4.65	3.57	6.72	--	4.65	--	--
Brazil	6.85	4.64	5.26	5.81	6.53	7.51	7.35
Canada	--	--	--	--	--	--	--
Chile	6.17	4.93	3.87	5.95	6.15	6.97	5.91
China	5.98	4.31	6.20	5.76	6.39	4.46	6.09
Colombia	6.25	5.31	3.88	6.25	--	--	--
Croatia	6.47	--	--	6.25	6.58	--	--
Dominican Republic	6.91	4.57	3.52	5.90	6.14	8.99	6.23
Egypt	--	--	--	--	--	--	--
France	6.31	5.05	4.66	5.76	6.76	6.71	6.09
Greece	5.35	6.09	6.84	--	5.33	--	5.56
Haiti	10.39	10.39	10.39	10.39	10.39	10.39	10.39
India	6.07	4.42	4.82	5.48	6.07	6.62	6.10
Israel	5.74	5.33	--	5.11	6.46	--	--
Italy	6.74	5.30	5.53	6.88	6.65	--	--
Jamaica	6.30	5.23	6.52	6.22	6.55	6.43	6.09
Japan	6.38	5.72	7.31	6.06	7.01	6.60	6.20
Jordan	--	--	3.38	--	--	--	--
Kuwait	6.20	4.56	--	5.75	6.64	--	--
Lithuania	6.37	2.56	--	6.16	7.08	6.14	--
Malaysia	--	--	--	--	--	--	--
Malta	6.22	5.33	3.76	6.22	--	--	--
Mexico	5.68	4.53	4.49	--	--	5.68	--
Netherlands	5.91	4.95	4.92	6.18	5.81	5.87	5.57
Pakistan	6.28	3.73	5.06	6.00	8.42	--	4.54
Panama	6.07	7.64	7.47	--	6.07	--	6.09
Poland	6.54	3.75	6.37	6.15	6.55	6.95	--
Portugal	5.78	5.03	5.33	5.96	--	5.37	--
Singapore	5.02	4.18	4.68	4.77	4.37	--	6.11
South Korea	6.00	5.24	4.18	6.21	5.48	6.64	6.01
Spain	6.23	5.39	5.52	6.34	5.95	6.48	6.31
Taiwan	5.41	4.70	4.23	5.42	5.59	--	5.17
Thailand	4.08	4.40	--	4.08	--	--	--
Turkey	6.51	5.15	5.53	--	6.59	7.00	6.13
United Arab Emirates	--	--	3.24	--	--	--	--
United Kingdom	6.24	5.42	4.96	6.91	6.47	6.16	5.74
By Truck							
Canada	11.14	7.70	8.93	11.14	--	--	--
Mexico	9.94	8.56	9.41	11.66	10.39	9.52	9.16
Total LNG Exports	6.17	5.06	5.12	5.92	6.25	6.52	6.08
CNG							
Canada	--	3.42	5.88	--	--	--	--
Total CNG Exports	--	3.42	5.88	--	--	--	--
Total Exports	6.20	3.45	3.80	4.47	4.70	12.64	4.62

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2019-2021

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

							2020
	Total	December	November	October	September	August	July
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.06	2.80	2.53	2.05	2.00	1.92	1.75
Mexico	2.12	2.87	2.83	2.21	2.30	2.18	1.86
Total Pipeline Exports	2.10	2.85	2.73	2.17	2.23	2.11	1.83
LNG							
Exports							
By Vessel							
Argentina	4.64	--	--	--	--	3.16	6.69
Bahamas	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
Belgium	4.27	--	7.24	5.63	--	--	--
Brazil	6.29	6.59	7.10	7.25	--	2.63	--
Canada	--	--	--	--	--	--	--
Chile	5.49	5.99	6.01	5.39	6.20	7.33	6.69
China	5.82	6.33	6.33	5.50	6.65	6.84	6.31
Colombia	5.83	--	--	--	6.23	5.38	--
Croatia	6.75	6.75	--	--	--	--	--
Dominican Republic	5.78	6.32	6.11	5.92	--	5.38	--
Egypt	--	--	--	--	--	--	--
France	5.17	7.12	6.19	3.54	--	--	--
Greece	5.86	6.08	6.11	--	4.52	--	6.67
Haiti	10.39	10.39	10.39	10.39	10.39	10.39	10.39
India	5.39	6.33	6.73	5.17	5.67	6.63	4.79
Israel	5.17	--	--	--	6.23	4.84	5.44
Italy	5.27	--	8.49	--	--	4.07	5.08
Jamaica	4.92	6.27	--	4.25	3.19	--	--
Japan	6.38	6.78	6.95	6.76	5.37	6.96	7.15
Jordan	5.28	--	--	--	5.71	--	--
Kuwait	5.61	--	--	5.14	5.67	6.33	--
Lithuania	5.17	6.28	6.41	3.64	6.72	--	--
Malaysia	--	--	--	--	--	--	--
Malta	5.33	--	--	--	--	--	--
Mexico	5.02	--	6.73	5.26	5.70	4.71	--
Netherlands	5.51	8.37	6.30	5.10	5.37	--	6.13
Pakistan	4.70	--	6.11	5.60	5.16	2.25	--
Panama	6.98	6.08	6.11	5.64	8.10	--	--
Poland	5.13	7.25	--	5.50	--	--	--
Portugal	5.24	7.12	5.62	3.93	5.08	--	--
Singapore	5.30	--	6.29	5.63	--	5.88	5.71
South Korea	5.66	6.20	6.86	6.90	5.10	5.23	4.91
Spain	5.60	6.94	6.57	5.71	5.59	5.50	5.32
Taiwan	5.34	6.19	5.21	6.07	5.61	--	--
Thailand	4.80	--	6.22	--	--	--	4.91
Turkey	5.48	6.22	6.10	--	4.22	--	5.08
United Arab Emirates	5.91	--	--	--	--	7.19	5.28
United Kingdom	5.78	6.23	6.37	5.64	6.85	--	4.91
By Truck							
Canada	9.45	9.99	--	--	--	--	--
Mexico	8.20	8.45	8.62	7.50	8.57	7.98	7.56
Total LNG Exports	5.64	6.48	6.58	5.80	5.53	5.85	5.73
CNG							
Canada	2.55	3.81	3.33	1.54	1.52	1.68	1.51
Total CNG Exports	2.55	3.81	3.33	1.54	1.52	1.68	1.51
Total Exports	3.70	R4.84	R4.77	3.85	3.49	3.28	2.90

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2019-2021

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

						2020	2019
	June	May	April	March	February	January	Total
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	1.77	1.83	1.77	1.81	1.99	2.25	2.77
Mexico	1.78	2.04	1.63	1.71	1.90	2.05	2.57
Total Pipeline Exports	1.78	1.97	1.68	1.74	1.93	2.13	2.64
LNG							
Exports							
By Vessel							
Argentina	4.05	5.04	--	--	--	--	5.14
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	--	5.80	--	--	--	4.31	5.03
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	--	5.28	3.38	2.17	3.68	4.27	4.97
Brazil	--	--	--	5.03	4.32	4.71	5.18
Canada	--	--	--	--	--	--	--
Chile	5.80	5.03	4.55	4.78	5.04	5.68	4.68
China	--	5.47	3.87	4.83	--	--	6.20
Colombia	--	--	--	--	5.37	5.18	4.06
Croatia	--	--	--	--	--	--	--
Dominican Republic	--	6.36	4.43	4.67	--	--	4.51
Egypt	--	--	--	--	--	--	--
France	--	5.98	5.25	5.29	5.08	3.61	5.33
Greece	5.47	5.08	5.08	5.18	--	7.10	5.90
Haiti	10.39	10.39	10.39	10.39	10.39	10.39	10.39
India	5.81	5.45	4.74	3.90	--	5.49	4.97
Israel	4.05	--	--	5.33	--	--	--
Italy	5.10	5.27	6.93	5.29	4.75	5.98	4.99
Jamaica	--	--	5.08	10.39	5.37	5.71	5.29
Japan	6.19	6.42	4.98	5.83	5.63	6.12	6.55
Jordan	--	4.80	--	--	--	--	3.99
Kuwait	--	--	4.56	--	--	--	4.92
Lithuania	5.20	5.28	2.56	--	--	--	4.50
Malaysia	--	--	--	--	--	--	5.79
Malta	--	--	--	--	5.39	5.32	3.76
Mexico	--	--	--	4.82	4.88	4.08	4.53
Netherlands	6.13	6.12	5.17	4.87	4.91	4.87	4.78
Pakistan	--	--	2.56	--	5.40	3.13	5.44
Panama	--	5.54	--	5.31	8.26	--	7.62
Poland	6.93	5.32	3.41	2.17	5.40	2.48	5.72
Portugal	--	--	5.14	--	4.84	--	5.16
Singapore	--	--	--	4.18	--	--	5.25
South Korea	5.20	5.31	5.36	5.16	5.37	5.19	4.76
Spain	5.85	5.31	4.68	5.41	5.33	6.10	5.39
Taiwan	4.05	5.97	--	5.34	3.65	5.02	5.17
Thailand	--	5.04	4.77	2.44	5.37	--	6.12
Turkey	--	6.77	4.72	5.31	5.15	5.31	5.13
United Arab Emirates	--	5.28	--	--	--	--	3.99
United Kingdom	--	--	--	4.68	5.52	5.82	5.33
By Truck							
Canada	--	--	--	--	--	7.70	9.35
Mexico	7.67	5.85	6.05	8.39	8.93	8.94	9.13
Total LNG Exports	5.55	5.53	4.74	4.91	5.12	5.42	5.20
CNG							
Canada	1.37	1.65	1.50	2.13	3.20	7.20	3.98
Total CNG Exports	1.37	1.65	1.50	2.13	3.20	7.20	3.98
Total Exports	2.99	3.61	3.21	3.30	3.51	3.74	3.64

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2019-2021

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

							2019
	December	November	October	September	August	July	June
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.61	2.84	2.20	2.22	2.15	2.31	2.39
Mexico	2.39	2.55	2.32	2.46	2.16	2.24	2.24
Total Pipeline Exports	2.48	2.66	2.28	2.38	2.15	2.26	2.28
LNG							
Exports							
By Vessel							
Argentina	--	--	--	--	--	5.24	4.99
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	5.03	--	--	--	--	--	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	4.17	6.22	3.47	5.93	--	--	--
Brazil	--	6.75	6.02	5.82	4.83	4.57	4.44
Canada	--	--	--	--	--	--	--
Chile	5.77	5.80	4.65	5.52	5.80	4.64	4.77
China	--	--	--	--	--	--	--
Colombia	--	--	--	--	5.67	--	--
Croatia	--	--	--	--	--	--	--
Dominican Republic	6.08	--	5.51	3.53	--	--	6.27
Egypt	--	--	--	--	--	--	--
France	5.53	5.76	5.67	5.82	5.67	--	--
Greece	6.36	--	--	--	--	--	--
Haiti	10.39	10.39	10.39	10.39	10.39	10.39	10.39
India	5.47	7.16	4.65	5.15	3.98	6.09	5.23
Israel	--	--	--	--	--	--	--
Italy	4.69	4.99	--	5.81	4.31	5.37	3.15
Jamaica	6.08	6.22	--	--	5.15	5.05	--
Japan	6.33	7.31	6.27	5.58	6.88	6.82	4.30
Jordan	--	--	--	5.37	5.24	6.38	3.15
Kuwait	--	--	--	--	5.24	5.60	--
Lithuania	4.50	--	--	--	--	--	--
Malaysia	--	5.79	--	--	--	--	--
Malta	--	--	--	--	--	--	--
Mexico	4.37	5.80	6.18	3.85	3.65	5.03	5.23
Netherlands	5.98	4.79	6.55	3.21	3.86	3.20	3.15
Pakistan	3.92	6.22	5.58	5.61	--	6.39	--
Panama	--	6.22	--	--	--	--	8.13
Poland	5.88	5.18	6.03	--	5.15	3.17	--
Portugal	4.78	--	5.54	5.28	4.98	5.75	4.24
Singapore	6.60	--	5.58	--	--	5.60	7.75
South Korea	5.94	5.71	4.98	5.02	5.45	4.81	3.54
Spain	5.39	6.08	4.86	5.64	4.89	4.81	4.87
Taiwan	6.60	5.71	3.94	--	5.90	--	--
Thailand	--	--	--	5.81	--	--	--
Turkey	5.57	4.78	3.57	--	--	--	--
United Arab Emirates	--	--	--	3.22	5.24	5.60	3.32
United Kingdom	5.50	5.45	5.23	4.77	6.20	--	--
By Truck							
Canada	--	6.84	10.29	8.21	--	--	--
Mexico	9.43	10.07	9.41	8.53	8.41	8.67	8.77
Total LNG Exports	5.55	5.84	5.31	5.28	5.13	5.29	4.57
CNG							
Canada	6.15	3.54	2.18	1.98	2.18	2.21	2.43
Total CNG Exports	6.15	3.54	2.18	1.98	2.18	2.21	2.43
Total Exports	3.89	4.03	3.55	3.56	3.23	3.47	3.18

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2019-2021

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

	2019				
	May	April	March	February	January
Exports					
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada	2.55	2.72	3.49	3.38	3.89
Mexico	3.12	2.37	2.77	3.03	3.42
Total Pipeline Exports	2.94	2.49	3.04	3.17	3.60
LNG					
Exports					
By Vessel					
Argentina	5.02	5.51	--	--	--
Bahamas	10.39	10.39	10.39	10.39	10.39
Bangladesh	--	--	--	--	--
Barbados	10.39	10.39	10.39	10.39	10.39
Belgium	--	--	6.72	--	--
Brazil	5.79	6.62	3.41	6.64	--
Canada	--	--	--	--	--
Chile	3.07	4.21	3.41	4.35	--
China	--	--	--	4.97	7.47
Colombia	--	--	3.41	--	4.35
Croatia	--	--	--	--	--
Dominican Republic	--	--	--	3.52	--
Egypt	--	--	--	--	--
France	6.23	4.26	5.24	--	3.94
Greece	3.97	--	--	6.84	--
Haiti	--	10.39	--	--	--
India	4.11	3.48	3.67	5.53	6.60
Israel	--	--	--	--	--
Italy	4.40	--	5.20	4.72	6.00
Jamaica	3.07	--	6.52	--	--
Japan	7.94	6.40	8.00	7.98	7.37
Jordan	3.07	3.24	--	3.52	--
Kuwait	3.94	--	--	--	--
Lithuania	--	--	--	--	--
Malaysia	--	--	--	--	--
Malta	--	3.76	--	--	--
Mexico	3.74	4.67	3.41	5.06	4.63
Netherlands	4.38	4.91	5.30	3.81	--
Pakistan	--	--	6.64	3.52	--
Panama	--	--	8.13	6.84	--
Poland	--	7.78	3.41	--	7.00
Portugal	--	3.66	--	3.97	6.39
Singapore	3.07	6.36	5.86	3.52	--
South Korea	3.12	4.74	3.41	4.12	4.63
Spain	5.19	4.80	4.88	5.05	8.11
Taiwan	4.37	4.23	--	--	--
Thailand	6.42	--	--	--	--
Turkey	--	3.76	--	6.64	5.33
United Arab Emirates	--	3.24	--	--	--
United Kingdom	--	--	5.15	3.52	5.40
By Truck					
Canada	--	--	--	8.93	--
Mexico	8.85	8.92	9.92	9.17	9.58
Total LNG Exports	4.39	4.70	4.84	5.06	5.89
CNG					
Canada	2.49	3.28	5.11	7.70	10.05
Total CNG Exports	2.49	3.28	5.11	7.70	10.05
Total Exports	3.51	3.32	3.68	3.76	4.39

^R Revised data.

-- Not applicable.

Notes: In the case of missing import or export reports on Form FE-746R, *Import and Export of Natural Gas*, EIA estimates the missing volumes using pipeline flows or other available information. LNG re-exports are shipments of LNG to foreign countries that were previously imported, offloaded into above-ground LNG storage tanks, and then subsequently reloaded onto tankers for delivery to other countries. Prices are in nominal dollars. LNG prices are a volume-weighted average of the prices reported by cargo. See the "LNG Monthly" (<https://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, 2016-2021
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
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 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	€41,148	€13,115	€168,968	€13,292	€258,436	€3,537	€174,606	€81,418	€207,182
September	269,820	€39,501	€12,635	€162,697	€12,745	€255,214	€3,392	€171,239	€84,750	€198,167
October	293,942	€41,014	€12,391	€165,657	€12,623	€263,863	€3,564	€186,492	€89,313	€200,302
November	292,350	€39,388	€12,034	€159,832	€10,865	€267,513	€3,418	€180,321	€87,059	€196,183
December	325,407	€40,183	€12,247	€162,311	€12,770	€277,354	€3,473	€179,109	€86,893	€207,905
Total	3,429,259	€485,432	€166,709	€2,011,077	€157,963	€3,188,932	€42,011	€2,050,424	€983,749	€2,408,358
2021										
January	317,223	€39,964	€12,033	€160,140	€12,578	€272,241	€3,541	€183,238	€86,048	€206,660
February	279,748	RE30,061	RE10,749	RE143,703	RE9,965	RE221,450	RE3,074	RE155,072	RE73,383	RE170,668
March	311,798	RE39,884	RE12,049	RE156,827	RE12,322	RE281,725	RE3,463	RE191,021	RE85,841	RE190,444
April	292,320	€37,852	€11,707	€156,171	€12,266	€273,760	€3,402	€188,309	€84,662	€184,489
2021 4-Month YTD	1,201,089	€147,761	€46,538	€616,841	€47,131	€1,049,176	€13,479	€717,640	€329,933	€752,261
2020 4-Month YTD	1,173,830	€163,415	€59,895	€693,348	€55,235	€1,061,871	€15,182	€675,142	€362,647	€783,122
2019 4-Month YTD	1,152,747	180,331	65,783	641,987	61,733	1,031,705	15,571	572,654	329,402	828,030

See footnotes at end of table.

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2016-2021

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
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 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	€226,344	€630,016	€877,821	€19,713	€224,409	€112,459	€33,694	€44,206	€3,387,632
September	€222,010	€582,197	€830,886	€19,027	€218,495	€109,617	€32,362	€48,319	€3,273,072
October	€219,403	€616,334	€846,771	€19,777	€225,807	€109,820	€34,537	€37,767	€3,379,378
November	€224,327	€619,815	€832,033	€18,991	€224,659	€109,488	€33,118	€58,998	€3,370,393
December	€228,057	€655,636	€850,512	€19,165	€237,246	€110,103	€33,978	€65,222	€3,507,572
Total	€2,786,366	€7,289,906	€10,291,02	€240,382	€2,594,591	€1,374,329	€408,565	€780,682	€40,689,764
2021									
January	€221,544	€657,704	€863,623	€19,235	€234,432	€112,203	€33,772	€69,761	€3,505,939
February	RE163,094	RE585,221	RE655,704	RE17,815	€208,571	RE101,571	RE30,191	RE63,571	RE2,923,611
March	RE219,365	RE647,663	RE862,756	RE20,318	€227,218	RE112,728	RE34,479	RE74,194	RE3,484,095
April	€213,642	€618,491	€861,579	€19,825	€225,103	€109,585	€33,220	€69,933	€3,396,316
2021 4-Month YTD	€817,645	€2,509,079	€3,243,662	€77,193	€895,323	€436,087	€131,662	€277,459	€13,309,961
2020 4-Month YTD	€999,902	€2,403,700	€3,566,797	€84,596	€812,915	€485,037	€137,619	€331,302	€13,865,557
2019 4-Month YTD	1,031,707	2,235,123	3,258,576	90,430	663,292	511,984	154,603	351,740	13,177,399

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: 2016-2019: 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. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2016-2021
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
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 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	£41,148	£13,115	£168,528	£13,292	£257,893	£3,164	£168,443	£65,306	£207,182
September	26,978	£39,501	£12,635	£162,274	£12,745	£254,678	£3,035	£165,194	£67,978	£198,167
October	29,080	£41,014	£12,391	£165,226	£12,623	£263,309	£3,189	£179,908	£71,638	£200,302
November	29,575	£39,388	£12,034	£159,417	£10,865	£266,951	£3,059	£173,956	£69,830	£196,183
December	31,161	£40,183	£12,247	£161,889	£12,770	£276,772	£3,107	£172,786	£69,697	£207,905
Total	338,329	£485,432	£166,709	£2,005,848	£157,963	£3,182,236	£37,587	£1,978,044	£789,065	£2,408,358
2021										
January	31,632	£39,964	£12,033	£159,724	£12,578	£271,669	£3,168	£176,770	£69,019	£206,660
February	28,365	RE30,061	RE10,749	RE143,329	RE9,965	RE220,985	RE2,750	RE149,598	RE58,860	RE170,668
March	31,481	RE39,884	RE12,049	RE156,420	RE12,322	RE281,133	RE3,099	RE184,278	RE68,853	RE190,444
April	29,514	£37,852	£11,707	£155,765	£12,266	£273,185	£3,043	£181,662	£67,907	£184,489
2021 4-Month YTD	120,992	£147,761	£46,538	£615,238	£47,131	£1,046,972	£12,060	£692,307	£264,639	£752,261
2020 4-Month YTD	115,288	£163,415	£59,895	£691,545	£55,235	£1,059,642	£13,584	£651,310	£290,879	£783,122
2019 4-Month YTD	115,393	180,331	65,783	640,448	61,733	1,029,447	13,924	553,387	263,633	828,030

See footnotes at end of table.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2016-2021

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
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 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	£226,344	£630,016	£788,459	£19,713	£224,409	£106,139	£33,367	£43,410	£3,036,773
September	£222,010	£582,197	£746,302	£19,027	£218,495	£103,457	£32,048	£47,449	£2,914,169
October	£219,403	£616,334	£760,569	£19,777	£225,807	£103,648	£34,202	£37,087	£2,995,509
November	£224,327	£619,815	£747,332	£18,991	£224,659	£103,334	£32,797	£57,936	£2,990,450
December	£228,057	£655,636	£763,930	£19,165	£237,246	£103,915	£33,648	£64,048	£3,094,164
Total	£2,786,366	£7,289,906	£9,243,402	£240,382	£2,594,591	£1,297,092	£404,602	£766,630	£36,172,542
2021									
January	£221,544	£657,704	£775,706	£19,235	£234,432	£105,897	£33,444	£68,505	£3,099,685
February	RE163,094	RE585,221	RE588,953	RE17,815	£208,571	RE95,863	RE29,898	RE62,427	RE2,577,173
March	RE219,365	RE647,663	RE774,928	RE20,318	£227,218	RE106,393	RE34,145	RE72,858	RE3,082,849
April	£213,642	£618,491	£773,871	£19,825	£225,103	£103,427	£32,897	£68,674	£3,013,321
2021 4-Month YTD	£817,645	£2,509,079	£2,913,457	£77,193	£895,323	£411,579	£130,385	£272,464	£11,773,027
2020 4-Month YTD	£999,902	£2,403,700	£3,203,698	£84,596	£812,915	£457,777	£136,284	£325,338	£12,308,126
2019 4-Month YTD	1,031,707	2,235,123	2,893,884	90,430	663,292	476,574	153,099	346,134	11,642,352

^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: 2016-2019: 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, 2016-2021

(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
2016 Total^c	--	--	--	--	--	2,977	3,325	348
2017 Total^c	--	--	--	--	--	3,337	3,590	254
2018 Total^c	--	--	--	--	--	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	4,390	3,522	7,912	524	17.5	401	174	-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
November	4,394	3,932	8,325	322	8.9	218	214	-4
December	4,394	3,341	7,735	153	4.8	94	681	587
Total	--	--	--	--	--	3,590	3,412	-178
2021								
January	4,394	2,635	7,029	19	0.7	76	783	707
February	4,390	1,858	6,248	-223	-10.7	122	904	781
March	4,388	1,801	6,189	-229	-11.3	262	321	59
April	4,388	1,974	6,363	-358	-15.4	347	173	-174

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

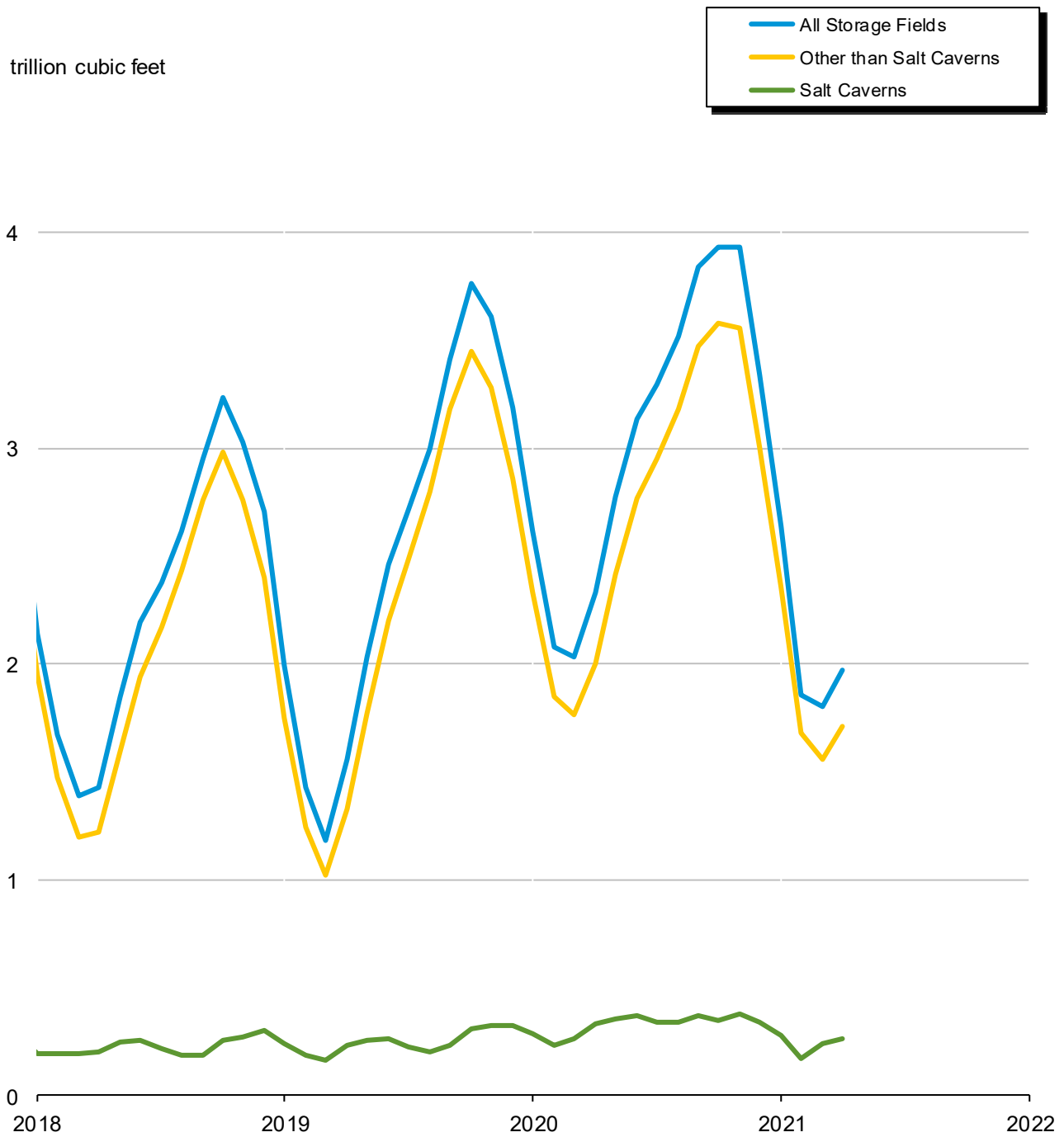
– Not applicable.

Notes: Data for 2016 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, 2018-2021

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, 2019-2021

(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
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	4,390	3,522	7,912	524	17.5	401	174	-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
2021 Heating Season								
November	4,394	3,932	8,325	322	8.9	218	214	-4
December	4,394	3,341	7,735	153	4.8	94	681	587
January	4,394	2,635	7,029	19	0.7	76	783	707
February	4,390	1,858	6,248	-223	-10.7	122	904	781
March	4,388	1,801	6,189	-229	-11.3	262	321	59
Total	--	--	--	--	--	773	2,903	2,131
2021 Refill Season								
April	4,388	1,974	6,363	-358	-15.4	347	173	-174

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

-- Not applicable.

Notes: Data for 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, 2016-2021
(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
2016 Total^b	--	--	--	--	--	593	624	32
2017 Total^b	--	--	--	--	--	701	752	50
2018 Total^b	--	--	--	--	--	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
November	201	376	577	48	14.6	65	40	-25
December	201	337	538	10	3.0	48	86	38
Total	--	--	--	--	--	715	701	-14
2021								
January	202	279	480	-4	-1.5	42	101	59
February	199	175	374	-56	-24.2	66	172	107
March	198	240	439	-23	-8.6	104	39	-65
April	198	266	464	-67	-20.1	79	54	-25
2021 4-Month YTD	--	--	--	--	--	291	367	76
2020 4-Month YTD	--	--	--	--	--	257	249	-8
2019 4-Month YTD	--	--	--	--	--	265	336	71

^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 2016 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, 2016-2021
(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
2016 Total^b	--	--	--	--	--	2,384	2,700	316
2017 Total^b	--	--	--	--	--	2,635	2,839	203
2018 Total^b	--	--	--	--	--	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	4,187	3,184	7,371	386	13.8	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
November	4,193	3,556	7,748	274	8.3	153	174	21
December	4,193	3,004	7,197	143	5.0	46	596	549
Total	--	--	--	--	--	2,875	2,711	-164
2021								
January	4,193	2,356	6,549	23	1.0	34	682	648
February	4,191	1,683	5,874	-167	-9.0	57	731	675
March	4,190	1,560	5,750	-206	-11.7	158	282	124
April	4,191	1,708	5,899	-291	-14.6	268	119	-149
2021 4-Month YTD	--	--	--	--	--	517	1,814	1,297
2020 4-Month YTD	--	--	--	--	--	609	1,467	857
2019 4-Month YTD	--	--	--	--	--	610	1,679	1,069

^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.

^c Not applicable.

Notes: Data for 2016 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, 2019-2021
(million cubic feet)

State	2021				2020	
	April	March	February	January	Total	December
Alabama	-1,461	-6,884	6,905	2,591	-1,740	2,532
Alaska ^a	122	1,491	1,797	1,611	4,330	1,601
Arkansas	-128	480	1,352	1,208	-35	1,019
California	-24,435	8,459	36,861	17,158	-38,314	28,116
Colorado	-1,051	1,381	11,052	11,570	-3,981	9,004
Illinois	9,718	31,440	48,591	59,429	-3,947	45,251
Indiana	409	2,162	5,629	6,498	506	3,993
Iowa	1,135	6,088	12,008	19,762	-9,470	19,832
Kansas	1,680	4,590	21,201	18,141	-3,274	8,039
Kentucky	-8,731	-3,375	19,938	19,217	-143	16,377
Louisiana	-16,236	-25,836	90,715	61,714	-23,836	43,071
Maryland	961	2,909	3,063	639	157	2,284
Michigan	-46,216	22,481	151,646	120,019	-22,157	103,950
Minnesota	169	430	526	155	51	163
Mississippi	-17,603	-30,323	34,159	27,082	-569	24,569
Missouri	123	-333	954	21	314	-120
Montana	-1,060	3,229	6,705	7,243	-7,211	7,020
Nebraska	-664	368	1,895	2,631	135	2,851
New Mexico	-570	-670	3,642	2,692	-5,680	759
New York	-2,157	6,696	17,603	23,290	-317	18,349
Ohio	-3,490	14,441	39,180	49,454	-10,198	35,053
Oklahoma	-13,774	-3,759	27,437	37,092	8,690	37,091
Oregon	-2,001	1,782	6,615	4,348	205	3,636
Pennsylvania	-14,355	23,890	79,990	84,848	7,422	58,158
Tennessee	-2	-7	98	23	-57	23
Texas	-23,755	-19,175	87,805	63,252	-51,225	40,026
Utah	-3,688	-4,663	9,523	9,163	-1,753	14,314
Virginia	81	-197	1,527	281	629	554
Washington	-1,095	2,431	6,790	1,286	723	1,944
West Virginia	-2,759	17,293	39,167	47,695	-5,911	50,513
Wyoming	-3,300	2,182	6,918	6,957	-11,342	7,281
Regions						
East Region	-21,718	65,032	180,531	206,207	-8,217	164,912
South Central Region	-71,276	-80,908	269,575	211,080	-71,989	156,346
Midwest Region	-43,396	58,887	239,390	225,123	-34,903	189,469
Mountain Region	-10,332	1,826	39,736	40,256	-29,832	41,229
Pacific Region	-27,531	12,673	50,267	22,792	-37,386	33,696
Total Lower 48 States	-174,253	57,510	779,498	705,458	-182,327	585,653
U.S. Total	-174,131	59,001	781,295	707,069	-177,997	587,253

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2019-2021

(million cubic feet) – continued

State	2020					
	November	October	September	August	July	June
Alabama	-528	1,436	-3,260	656	185	-112
Alaska ^a	1,493	-219	-1,734	-2,331	-1,752	-1,325
Arkansas	505	-162	-599	-1,102	-914	-823
California	4,522	-4,004	-10,674	5,352	-2,993	-24,699
Colorado	-4,096	3,066	-6,359	-5,458	-5,209	-7,293
Illinois	-4,152	-38,409	-40,475	-40,365	-29,436	-28,451
Indiana	-832	-2,910	-3,960	-2,695	-2,071	-2,056
Iowa	-4,156	-13,421	-14,935	-11,918	-1,925	-5,646
Kansas	-2,237	4,761	-12,894	-4,208	-4,248	-12,961
Kentucky	5,202	-822	-7,890	-3,185	-805	-737
Louisiana	-9,396	5,951	-21,814	-15,845	5,790	-23,311
Maryland	-968	-623	-1,600	-1,761	-777	-1,845
Michigan	10,280	-5,190	-50,877	-49,165	-45,869	-70,214
Minnesota	-118	-228	-203	-236	-221	-17
Mississippi	-3,659	3,455	-11,991	-3,381	10,563	-3,526
Missouri	-784	365	-29	-53	-30	-155
Montana	3,420	-1,911	-4,844	-4,116	-5,136	-6,194
Nebraska	-36	-644	-1,093	634	-711	-2,341
New Mexico	-604	-1,665	-1,008	-1,183	-1,374	-1,626
New York	2,928	-8,027	-9,947	-8,078	-3,460	-6,309
Ohio	1,241	-15,732	-21,735	-23,566	-23,579	-26,693
Oklahoma	1,470	949	-14,440	-7,967	-8,719	-15,991
Oregon	-1,004	648	128	-843	-920	-3,919
Pennsylvania	3,070	-21,162	-35,932	-26,992	-15,408	-38,467
Tennessee	2	-50	0	-69	-35	-32
Texas	-17,889	13,464	-18,300	8,451	11,730	-24,368
Utah	2,324	-697	-3,821	-4,518	-7,983	-8,599
Virginia	-376	-113	-59	-273	-107	-808
Washington	322	2,020	-1,275	-299	693	-2,712
West Virginia	8,073	-8,676	-18,786	-23,060	-23,394	-28,495
Wyoming	2,177	-3,846	-3,015	78	-3,048	-8,224
Regions						
East Region	13,968	-54,334	-88,058	-83,729	-66,726	-102,618
South Central Region	-31,733	29,853	-83,297	-23,397	14,386	-81,092
Midwest Region	5,441	-60,665	-118,369	-107,687	-80,391	-107,308
Mountain Region	3,184	-5,697	-20,140	-14,562	-23,461	-34,276
Pacific Region	3,840	-1,335	-11,821	4,210	-3,220	-31,330
Total Lower 48 States	-5,300	-92,178	-321,686	-225,164	-159,412	-356,624
U.S. Total	-3,807	-92,397	-323,420	-227,495	-161,165	-357,949

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2019-2021

(million cubic feet) – continued

State	2020					2019
	May	April	March	February	January	Total
Alabama	-669	-4,401	-1,483	3,469	437	-4,680
Alaska ^a	-1,049	421	2,313	2,415	4,497	4,432
Arkansas	-715	-307	853	1,273	935	-70
California	-37,280	-22,091	-3,906	-1,238	30,582	-28,135
Colorado	-5,942	-2,235	2,258	9,496	8,787	-8,796
Illinois	-18,009	7,597	34,667	55,297	52,539	-17,252
Indiana	-1,146	97	1,494	5,572	5,021	-2,817
Iowa	-5,357	233	5,299	8,457	14,066	-1,067
Kansas	-15,574	-11,701	6,016	21,799	19,934	-15,186
Kentucky	-13,240	-14,070	1,268	10,761	6,998	-16,890
Louisiana	-33,607	-50,797	-26,675	52,915	49,883	-97,581
Maryland	-868	3,082	789	836	1,610	1,515
Michigan	-79,406	-46,163	27,045	95,262	88,190	-74,588
Minnesota	6	14	164	512	216	75
Mississippi	-8,364	-19,413	-24,955	21,589	14,543	-12,218
Missouri	-32	867	-28	20	292	444
Montana	-5,667	-2,311	1,101	5,335	6,092	402
Nebraska	-2,232	-1,101	591	1,976	2,242	-1,366
New Mexico	-721	-2,284	-1,466	4,273	1,221	-11,780
New York	-13,599	-6,240	1,299	15,319	17,449	-15,314
Ohio	-26,555	-5,329	22,278	37,230	37,188	-15,342
Oklahoma	-21,149	-14,811	-6,319	27,662	30,914	-10,971
Oregon	-4,996	-105	1,474	4,346	1,760	-1,844
Pennsylvania	-60,384	-8,892	26,065	63,825	63,541	-57,975
Tennessee	-43	*	28	68	51	-179
Texas	-38,554	-65,511	-30,105	27,121	42,711	-79,335
Utah	-9,108	-4,799	2,405	9,643	9,085	-4,277
Virginia	45	288	412	594	473	-38
Washington	-6,967	-4,459	1,049	7,727	2,679	-459
West Virginia	-26,222	-26,952	2,249	36,954	51,885	-18,213
Wyoming	-10,598	-4,839	2,955	4,961	4,776	-10,216
Regions						
East Region	-127,585	-44,042	53,092	154,758	172,146	-105,366
South Central Region	-118,633	-166,941	-82,667	155,827	159,358	-220,041
Midwest Region	-117,228	-51,424	69,936	175,950	167,372	-112,275
Mountain Region	-34,268	-17,569	7,843	35,684	32,202	-36,032
Pacific Region	-49,243	-26,656	-1,383	10,835	35,021	-30,438
Total Lower 48 States	-446,957	-306,632	46,821	533,054	566,098	-504,151
U.S. Total	-448,006	-306,210	49,134	535,469	570,595	-499,719

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2019-2021

(million cubic feet) – continued

State	2019					
	December	November	October	September	August	July
Alabama	-1,295	-3,103	-3,437	-1,058	1,779	1,992
Alaska ^a	2,439	1,272	193	-843	-1,320	-1,508
Arkansas	861	578	-231	-583	-886	-798
California	35,944	12,544	-1,316	-13,476	-6,262	-11,473
Colorado	5,859	-549	36	-6,314	-8,948	-5,274
Illinois	40,690	2,466	-39,931	-39,814	-34,114	-21,798
Indiana	2,562	-674	-2,665	-3,454	-4,377	-2,746
Iowa	17,729	10,941	-15,128	-18,004	-14,316	-2,823
Kansas	6,480	2,754	3,567	-10,591	-11,621	-12,415
Kentucky	9,942	5,765	-4,815	-9,197	-8,989	-8,250
Louisiana	19,539	3,691	-44,922	-37,776	-10,645	-18,409
Maryland	1,369	-1,145	-2,900	-429	-247	-1,498
Michigan	72,853	54,381	-50,509	-86,378	-76,948	-81,089
Minnesota	70	-52	-270	-288	-273	-192
Mississippi	1,340	-4,722	-27,125	-6,496	-2,273	9,277
Missouri	74	-86	-307	7	7	8
Montana	4,893	2,538	864	-3,961	-3,624	-3,787
Nebraska	1,296	310	275	-1,028	-1,218	-1,188
New Mexico	1,790	1,682	-2,024	-2,162	-938	-2,974
New York	13,325	176	-14,260	-17,487	-13,493	-3,597
Ohio	27,435	11,806	-18,142	-24,910	-28,593	-23,011
Oklahoma	21,675	9,235	-10,247	-12,135	-6,377	-15,795
Oregon	958	-1,987	17	-1,508	418	-2,991
Pennsylvania	42,184	13,862	-34,039	-56,268	-44,933	-22,994
Tennessee	12	9	0	0	-95	-49
Texas	34,819	2,360	-59,099	-31,098	22,555	11,375
Utah	10,361	2,648	-2,353	-6,667	-4,869	-7,263
Virginia	13	-59	-13	-632	-10	275
Washington	758	-812	3,069	-2,826	1,168	975
West Virginia	37,597	21,547	-17,448	-21,341	-26,666	-22,905
Wyoming	4,901	2,305	-2,593	-2,433	459	-3,169
Regions						
East Region	121,922	46,186	-86,802	-121,067	-113,942	-73,729
South Central Region	83,417	10,792	-141,494	-99,737	-7,468	-24,774
Midwest Region	143,932	72,749	-113,626	-157,129	-139,105	-116,940
Mountain Region	29,099	8,933	-5,794	-22,565	-19,137	-23,655
Pacific Region	37,660	9,745	1,770	-17,809	-4,676	-13,489
Total Lower 48 States	416,031	148,406	-345,947	-418,306	-284,327	-252,586
U.S. Total	418,470	149,678	-345,754	-419,150	-285,647	-254,094

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2019-2021

(million cubic feet) – continued

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

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

* Volume is less than 500 Mcf.

Notes: This table contains total net withdrawals for each of the states with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. EIA publishes weekly estimates of working gas in underground storage by geographical region. See Explanatory Note 5 in Appendix A for a list of the five regions shown in this table and the states included in each.

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

Table 13. Activities of underground natural gas storage operators, by state, April 2021

(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	21,931	32,381	-1,389	-6.0	2,481	1,020
Alaska ^a	5	83,592	67,915	14,197	23,277	37,474	295	1.3	850	972
Arkansas	2	21,972	8,894	13,078	420	13,498	-122	-22.5	337	209
California	14	604,048	373,966	230,115	209,946	440,061	3,620	1.8	29,358	4,923
Colorado	10	141,407	72,754	61,097	27,838	88,935	-674	-2.4	5,053	4,002
Illinois	28	1,014,401	303,613	712,173	66,523	778,697	4,135	6.6	6,246	15,964
Indiana	23	112,987	32,109	80,879	9,239	90,117	-3,770	-29.0	461	869
Iowa	4	288,210	90,313	197,881	20,012	217,894	-1,467	-6.8	165	1,300
Kansas	16	282,986	122,982	163,805	49,153	212,958	-6,813	-12.2	7,695	9,374
Kentucky	22	221,695	107,596	112,752	52,838	165,590	-21,966	-29.4	10,745	2,014
Louisiana	19	747,223	452,902	286,950	251,550	538,499	-64,399	-20.4	52,037	35,801
Maryland	1	64,000	18,300	45,677	6,409	52,086	-1,413	-18.1	496	1,457
Michigan	44	1,071,608	683,820	386,907	285,816	672,723	-62,268	-17.9	54,720	8,505
Minnesota	1	7,000	2,000	4,848	707	5,555	-425	-37.5	0	169
Mississippi	11	331,027	201,915	121,190	109,031	230,221	-19,188	-15.0	31,778	14,175
Missouri	1	13,845	3,656	10,189	1,622	11,811	73	4.7	0	123
Montana	4	376,225	197,477	181,159	5,248	186,407	719	15.9	1,552	492
Nebraska	1	34,850	12,653	22,197	4,918	27,115	-474	-8.8	851	187
New Mexico	2	89,100	59,738	29,362	35,772	65,134	2,328	7.0	1,041	472
New York	26	245,779	127,487	115,078	47,303	162,382	-18,050	-27.6	6,078	3,921
Ohio	24	575,109	253,750	326,264	53,956	380,220	-3,103	-5.4	9,360	5,870
Oklahoma	12	372,390	197,921	173,795	76,590	250,385	-16,094	-17.4	17,188	3,415
Oregon	8	34,929	20,020	14,909	4,240	19,148	-3,562	-45.7	2,001	0
Pennsylvania	49	763,296	427,601	335,780	153,794	489,574	-37,949	-19.8	37,464	23,109
Tennessee	2	2,400	1,800	878	1,234	2,112	90	7.8	4	2
Texas	35	847,640	544,435	295,773	322,892	618,665	-82,410	-20.3	46,770	23,016
Utah	3	124,509	54,942	69,508	25,448	94,956	7,687	43.3	4,628	940
Virginia	2	8,960	4,930	4,030	2,637	6,667	-484	-15.5	340	421
Washington	1	46,900	24,600	22,300	9,835	32,135	-3,140	-24.2	3,017	1,923
West Virginia	31	531,706	268,803	264,785	69,498	334,283	-33,046	-32.2	10,420	7,661
Wyoming	9	155,995	74,297	80,434	24,660	105,093	4,801	24.2	4,112	812
Regions										
East Region	133	2,188,849	1,100,871	1,091,616	333,597	1,425,213	-94,045	-22.0	64,157	42,439
South Central Region	97	2,646,838	1,562,199	1,065,040	831,567	1,896,607	-190,414	-18.6	158,286	87,010
Midwest Region	125	2,732,146	1,224,906	1,506,507	437,993	1,944,500	-85,600	-16.3	72,341	28,945
Mountain Region	29	922,086	471,861	443,757	123,884	567,640	14,388	13.1	17,237	6,905
Pacific Region	23	685,877	418,586	267,324	224,021	491,345	-3,083	-1.4	34,376	6,846
Total Lower 48 States	407	9,175,796	4,778,423	4,374,243	1,951,061	6,325,305	-358,754	-15.5	346,398	172,145
U.S. Total	412	9,259,389	4,846,338	4,388,440	1,974,339	6,362,779	-358,459	-15.4	347,248	173,117

^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, 2019-2021

(million cubic feet)

State	2021 4-Month YTD	2020 4-Month YTD	2019 4-Month YTD	2021			
				April	March	February	January
Alabama	18,902	15,130	17,643	2,036	3,225	6,542	7,100
Alaska	9,873	10,589	8,636	1,714	2,722	2,792	2,645
Arizona	22,816	23,100	24,283	2,783	5,373	6,417	8,243
Arkansas	21,974	17,671	19,456	1,926	5,733	7,234	7,081
California	NA	NA	223,788	NA	55,052	52,928	68,743
Colorado	76,067	67,233	73,775	13,143	17,162	22,485	23,277
Connecticut	29,360	27,270	28,982	3,961	6,866	8,755	9,778
Delaware	7,059	NA	7,018	839	1,512	2,291	2,417
District of Columbia	6,531	5,839	6,647	848	1,399	2,119	2,164
Florida	9,309	NA	7,854	1,822	1,947	2,514	3,025
Georgia	66,534	58,476	61,233	8,334	12,385	20,953	24,862
Hawaii	224	212	214	60	54	52	57
Idaho	15,342	14,285	15,093	2,134	3,387	4,626	5,196
Illinois	223,024	215,910	248,765	28,660	44,330	78,190	71,843
Indiana	74,535	72,367	82,970	8,791	14,533	25,959	25,252
Iowa	36,302	35,934	41,579	4,089	6,974	13,532	11,708
Kansas	38,381	33,756	39,559	4,495	6,884	14,889	12,113
Kentucky	28,384	24,883	27,675	3,099	4,888	10,370	10,027
Louisiana	20,946	NA	18,870	2,539	4,091	7,411	6,905
Maine	1,697	1,613	1,760	228	406	501	562
Maryland	45,248	41,452	47,051	5,353	9,438	14,714	15,743
Massachusetts	67,373	62,859	75,238	9,515	16,511	19,834	21,513
Michigan	170,551	167,436	187,196	22,687	33,723	57,939	56,202
Minnesota	72,987	NA	79,936	10,107	16,061	24,088	22,732
Mississippi	NA	NA	11,831	1,292	2,840	NA	NA
Missouri	59,699	55,735	63,668	6,189	10,069	22,267	21,174
Montana	11,086	10,969	13,231	1,684	2,451	3,619	3,332
Nebraska	21,254	21,213	24,082	2,491	4,185	7,844	6,734
Nevada	23,933	23,933	25,942	2,891	5,858	6,982	8,202
New Hampshire	4,261	3,981	4,716	567	987	1,275	1,432
New Jersey	130,902	119,330	132,407	17,085	28,123	41,470	44,224
New Mexico	21,406	NA	22,086	2,450	5,347	6,287	7,322
New York	247,824	231,424	267,047	33,936	57,971	76,860	79,057
North Carolina	40,187	32,756	37,736	3,635	7,578	12,227	16,746
North Dakota	6,929	7,173	7,607	1,039	1,727	2,061	2,102
Ohio	158,498	149,244	167,398	19,508	32,687	53,885	52,418
Oklahoma	37,120	32,830	39,849	3,987	6,320	13,858	12,955
Oregon	23,345	22,227	24,554	3,137	6,050	7,119	7,040
Pennsylvania	133,709	120,573	140,485	16,188	28,325	42,725	46,470
Rhode Island	10,717	9,921	11,000	1,411	2,532	3,170	3,604
South Carolina	18,922	15,141	16,121	1,774	3,600	6,239	7,309
South Dakota	7,656	7,456	8,670	1,094	1,906	2,501	2,154
Tennessee	43,410	NA	39,081	4,073	7,328	15,847	16,162
Texas	127,960	101,608	133,688	11,914	26,498	50,595	38,953
Utah	35,583	NA	38,738	5,312	8,394	9,576	12,301
Vermont	2,146	2,022	2,394	329	533	634	651
Virginia	46,692	37,771	49,053	5,382	10,070	14,277	16,962
Washington	43,639	NA	45,662	6,414	10,816	13,322	13,086
West Virginia	14,543	12,802	13,890	1,914	2,986	4,689	4,954
Wisconsin	75,621	73,824	84,813	10,047	15,011	26,190	24,372
Wyoming	8,594	7,268	7,488	1,381	1,984	2,670	2,559
Total	2,643,111	2,453,403	2,778,459	340,309	566,833	860,364	875,605

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	27,719	4,771	2,505	1,097	794	687	713
Alaska	21,022	2,686	2,604	1,675	886	548	498
Arizona	40,884	5,886	3,012	1,670	1,252	1,139	1,328
Arkansas	31,070	5,792	2,587	1,159	628	518	588
California	NA	67,509	45,650	23,145	19,004	19,821	22,572
Colorado	135,263	23,247	15,888	10,233	4,247	2,892	2,804
Connecticut	NA	7,963	NA	2,458	1,148	1,047	1,213
Delaware	NA	1,925	846	338	201	166	189
District of Columbia	10,877	2,095	956	351	262	230	260
Florida	NA	2,155	1,343	1,067	904	918	936
Georgia	119,873	22,744	10,773	5,501	4,335	4,023	3,949
Hawaii	603	53	45	48	46	50	51
Idaho	29,932	5,445	4,177	1,857	799	597	597
Illinois	395,124	64,329	36,411	24,255	9,032	7,695	7,541
Indiana	132,367	23,947	12,580	7,593	2,947	2,218	2,174
Iowa	NA	10,757	5,950	4,149	1,548	1,110	NA
Kansas	61,149	10,336	5,823	4,260	1,383	1,064	1,193
Kentucky	45,666	9,307	4,382	2,083	891	720	765
Louisiana	NA	6,158	3,064	1,980	1,523	1,220	1,393
Maine	NA	424	272	NA	67	53	54
Maryland	74,376	12,125	6,661	3,248	1,771	1,358	1,871
Massachusetts	NA	18,904	NA	NA	2,942	2,046	2,812
Michigan	312,321	50,083	30,281	22,202	8,318	5,472	5,546
Minnesota	NA	20,224	14,167	9,621	3,428	2,700	2,590
Mississippi	NA	4,267	2,126	902	589	582	607
Missouri	99,411	18,630	9,766	3,876	2,097	1,833	1,770
Montana	NA	3,173	2,327	NA	467	406	548
Nebraska	37,445	6,090	3,423	1,595	835	755	826
Nevada	45,919	7,207	4,009	2,046	1,533	1,316	1,584
New Hampshire	6,890	1,238	484	221	183	138	160
New Jersey	221,609	38,106	19,768	8,861	5,312	4,567	6,385
New Mexico	NA	7,031	3,565	1,740	1,168	1,001	1,078
New York	429,989	70,585	39,102	17,381	11,244	10,195	11,144
North Carolina	NA	14,724	6,050	2,046	1,411	1,095	NA
North Dakota	12,471	1,907	1,433	564	249	210	190
Ohio	272,704	47,909	25,958	12,499	5,754	5,151	4,802
Oklahoma	59,329	11,620	5,636	1,769	1,455	1,249	1,186
Oregon	45,509	7,264	6,043	2,910	1,156	1,000	1,170
Pennsylvania	218,091	38,219	18,947	9,673	4,534	3,933	3,759
Rhode Island	17,900	3,112	1,728	535	453	424	424
South Carolina	28,305	6,567	2,231	904	628	481	522
South Dakota	12,924	2,076	1,234	640	270	208	210
Tennessee	NA	14,282	5,676	2,161	1,287	1,156	1,173
Texas	NA	39,667	16,177	NA	6,453	6,428	6,835
Utah	NA	14,162	5,752	2,418	1,896	1,719	2,115
Vermont	3,637	521	319	149	103	78	85
Virginia	NA	14,520	5,991	3,175	1,782	1,592	1,744
Washington	NA	12,924	11,118	6,446	2,303	1,994	2,345
West Virginia	22,609	3,904	2,085	1,072	500	315	322
Wisconsin	135,930	22,161	12,233	10,400	3,167	2,522	2,469
Wyoming	13,401	2,151	1,533	568	290	199	248
Total	4,648,266	792,881	439,021	240,412	125,476	108,838	117,405

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	817	1,204	1,640	2,607	5,259	5,624	30,616
Alaska	611	924	1,577	2,611	2,749	3,653	17,951
Arizona	1,559	1,939	3,110	4,675	6,891	8,425	42,085
Arkansas	664	1,463	2,028	4,386	5,061	6,195	33,718
California	22,897	27,770	NA	52,770	52,704	70,232	464,672
Colorado	3,466	5,252	12,253	12,625	20,685	21,671	142,692
Connecticut	1,596	2,637	4,839	5,798	8,293	8,341	52,228
Delaware	238	556	NA	NA	NA	2,044	11,643
District of Columbia	304	581	907	1,187	1,806	1,939	12,065
Florida	NA	NA	1,473	NA	2,136	NA	16,565
Georgia	4,296	5,775	7,420	10,679	19,285	21,093	123,249
Hawaii	50	50	57	51	49	54	576
Idaho	892	1,283	2,087	3,142	4,434	4,622	30,803
Illinois	9,771	20,180	33,320	46,335	66,414	69,840	438,021
Indiana	2,528	6,012	9,814	15,588	23,335	23,630	142,806
Iowa	1,385	2,587	5,168	7,324	11,019	12,423	71,385
Kansas	1,213	2,120	4,535	6,586	10,360	12,275	68,123
Kentucky	829	1,806	3,207	4,690	8,417	8,570	48,777
Louisiana	1,375	1,654	2,018	3,008	4,811	NA	36,019
Maine	72	164	283	371	461	498	3,134
Maryland	2,027	3,863	5,885	8,223	12,064	15,280	81,845
Massachusetts	3,193	5,903	11,752	14,352	17,420	19,335	135,116
Michigan	6,492	16,489	26,901	36,788	51,991	51,756	332,254
Minnesota	NA	5,198	9,816	15,291	NA	NA	144,577
Mississippi	666	738	NA	2,179	3,769	4,078	22,118
Missouri	1,957	3,746	6,250	10,409	18,401	20,675	110,611
Montana	773	1,267	1,732	2,684	3,085	3,467	23,932
Nebraska	1,076	1,632	2,978	4,589	6,055	7,590	41,639
Nevada	1,963	2,327	3,572	5,342	6,716	8,302	47,931
New Hampshire	156	327	646	867	1,192	1,276	8,034
New Jersey	6,631	12,651	20,542	24,118	30,994	43,677	239,055
New Mexico	1,050	1,230	2,454	4,766	NA	6,921	42,384
New York	13,001	25,913	40,428	52,224	65,690	73,083	473,617
North Carolina	NA	2,629	3,484	5,725	10,617	12,931	67,948
North Dakota	233	512	1,125	1,578	2,016	2,455	13,124
Ohio	5,955	15,432	23,477	32,235	47,512	46,020	290,080
Oklahoma	1,316	2,269	4,279	6,060	10,926	11,564	67,890
Oregon	1,575	2,165	3,288	5,856	6,263	6,819	47,927
Pennsylvania	5,656	12,797	19,820	25,257	35,859	39,637	236,631
Rhode Island	431	871	1,824	2,202	2,775	3,119	19,892
South Carolina	690	1,142	1,405	2,684	5,217	5,835	28,871
South Dakota	289	543	1,225	1,521	2,142	2,567	14,809
Tennessee	1,518	NA	4,016	NA	12,708	12,769	68,686
Texas	7,010	8,322	10,547	18,708	34,257	38,096	228,129
Utah	2,865	2,820	NA	6,919	10,782	12,308	75,938
Vermont	122	238	368	419	610	624	4,139
Virginia	1,945	NA	4,927	7,297	11,519	14,028	81,831
Washington	2,786	3,901	6,508	NA	10,967	13,006	89,967
West Virginia	669	940	1,931	2,660	3,987	4,223	23,850
Wisconsin	2,794	6,361	12,160	16,225	22,530	22,909	151,591
Wyoming	397	747	1,403	1,749	2,049	2,067	14,057
Total	135,813	235,016	375,432	524,858	732,603	820,510	5,015,603

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2019-2021

(million cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	5,044	2,825	980	705	656	765	853
Alaska	2,685	1,978	1,447	823	456	413	531
Arizona	5,947	2,994	1,800	1,170	1,088	1,208	1,510
Arkansas	5,438	4,256	921	565	541	627	621
California	60,983	43,975	25,563	18,490	18,498	21,403	21,322
Colorado	22,258	17,685	10,443	3,101	2,749	1,028	3,957
Connecticut	8,492	6,140	1,974	1,066	933	1,025	1,338
Delaware	1,986	1,266	288	178	168	184	192
District of Columbia	2,251	1,481	246	253	272	228	292
Florida	1,952	1,190	936	886	821	813	924
Georgia	18,521	14,859	5,453	3,811	3,952	6,701	4,112
Hawaii	46	42	45	43	44	47	44
Idaho	4,861	4,169	2,818	864	552	578	730
Illinois	59,858	56,523	21,239	7,867	7,332	7,813	9,751
Indiana	20,252	18,942	6,698	2,416	2,013	2,169	2,560
Iowa	9,970	8,180	4,263	1,084	1,114	1,102	1,383
Kansas	10,077	8,053	3,903	1,249	1,025	1,168	1,178
Kentucky	7,953	6,904	1,835	743	766	794	911
Louisiana	5,277	4,123	1,507	1,171	1,249	1,057	1,211
Maine	467	354	141	64	49	49	83
Maryland	13,510	9,799	2,203	1,544	1,488	1,572	1,749
Massachusetts	22,166	14,991	4,918	2,902	2,600	2,700	3,222
Michigan	46,084	43,458	18,571	5,674	5,128	5,554	7,075
Minnesota	22,261	17,333	8,285	2,679	2,285	2,234	3,111
Mississippi	3,723	3,231	796	423	527	520	479
Missouri	17,007	14,237	5,498	1,610	1,668	1,752	1,940
Montana	3,279	2,953	1,328	444	269	521	829
Nebraska	5,822	5,380	1,597	643	703	767	901
Nevada	7,356	3,862	2,427	1,520	1,310	1,453	1,807
New Hampshire	1,396	626	253	187	150	150	182
New Jersey	39,094	28,230	8,747	5,000	4,207	4,900	6,644
New Mexico	7,222	5,034	2,112	970	1,062	1,005	1,108
New York	71,422	52,629	17,557	10,275	9,735	10,211	12,465
North Carolina	12,688	9,945	1,766	1,021	1,015	975	1,439
North Dakota	2,004	1,542	600	198	186	179	234
Ohio	44,442	36,355	12,187	4,874	4,306	4,855	5,378
Oklahoma	10,706	8,608	1,624	1,069	1,118	1,240	1,511
Oregon	7,047	5,687	4,322	1,405	959	962	1,297
Pennsylvania	38,989	23,738	7,970	4,202	3,931	4,013	4,855
Rhode Island	3,130	2,399	933	423	360	342	444
South Carolina	5,509	3,863	719	536	491	505	544
South Dakota	1,976	1,703	765	220	214	244	283
Tennessee	11,788	10,191	1,692	1,139	910	1,101	1,186
Texas	31,828	24,293	7,328	5,045	5,213	6,208	6,613
Utah	13,171	8,205	3,612	1,916	1,552	2,005	2,032
Vermont	578	422	140	90	81	82	128
Virginia	13,627	8,690	2,260	1,502	1,486	1,475	1,813
Washington	12,890	11,277	8,230	2,622	1,704	1,974	2,415
West Virginia	3,758	3,172	1,089	297	343	331	314
Wisconsin	21,241	19,034	9,004	2,607	2,350	2,366	3,127
Wyoming	2,074	1,847	590	190	212	261	528
Total	752,105	588,674	231,622	109,775	101,840	111,629	129,157

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2019-2021
(million cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	1,144	1,904	3,973	3,793	7,973
Alaska	982	1,442	2,125	2,265	2,803
Arizona	2,084	2,746	5,638	7,428	8,471
Arkansas	1,292	1,984	5,714	5,127	6,631
California	30,649	30,632	51,706	74,192	67,257
Colorado	7,697	9,680	19,642	20,865	23,587
Connecticut	2,278	3,792	7,201	8,189	9,800
Delaware	363	689	1,730	2,084	2,515
District of Columbia	395	745	1,651	2,150	2,101
Florida	1,190	1,556	1,678	2,169	2,451
Georgia	4,607	6,864	14,618	15,173	24,577
Hawaii	51	51	55	51	58
Idaho	1,138	1,891	3,527	4,695	4,980
Illinois	18,871	30,473	60,875	71,860	85,556
Indiana	4,786	8,727	20,903	23,480	29,860
Iowa	2,710	4,652	10,039	12,610	14,277
Kansas	1,911	3,260	9,360	12,915	14,024
Kentucky	1,196	2,265	7,153	7,556	10,700
Louisiana	1,555	2,442	4,242	4,907	7,279
Maine	167	260	423	511	566
Maryland	2,928	3,796	11,782	14,653	16,821
Massachusetts	6,378	9,992	19,439	20,379	25,429
Michigan	13,513	24,615	46,660	51,520	64,401
Minnesota	6,455	10,081	18,683	24,708	26,464
Mississippi	589	1,174	2,991	2,901	4,764
Missouri	3,231	5,246	15,499	19,790	23,133
Montana	1,079	1,581	3,332	4,742	3,575
Nebraska	1,745	2,527	6,194	7,792	7,568
Nevada	2,254	3,021	6,324	8,076	8,520
New Hampshire	375	610	1,130	1,338	1,639
New Jersey	9,825	14,838	34,457	38,557	44,555
New Mexico	1,786	2,632	4,615	6,616	8,222
New York	22,277	34,355	70,167	73,689	88,837
North Carolina	1,363	3,081	9,502	9,943	15,211
North Dakota	574	917	1,764	2,536	2,391
Ohio	10,285	19,037	43,223	47,362	57,776
Oklahoma	2,165	3,481	9,429	12,543	14,397
Oregon	1,692	3,332	5,943	7,977	7,302
Pennsylvania	8,448	14,432	35,444	40,218	50,391
Rhode Island	860	1,374	2,783	3,061	3,781
South Carolina	584	1,668	3,680	4,302	6,471
South Dakota	734	1,144	2,105	2,763	2,657
Tennessee	1,599	3,403	9,929	10,247	15,503
Texas	7,913	16,990	33,326	38,167	45,205
Utah	4,707	3,970	9,212	11,743	13,813
Vermont	224	383	573	680	758
Virginia	1,926	4,451	11,686	14,417	18,500
Washington	3,194	6,195	10,491	15,673	13,304
West Virginia	654	1,355	3,842	3,677	5,017
Wisconsin	7,050	11,515	19,697	24,516	29,084
Wyoming	866	1,171	1,986	2,116	2,215
Total	212,341	328,421	688,144	808,724	953,171

^R Revised data.

^{NA} Not available.

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

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

Table 15. Natural gas deliveries to commercial consumers, by state, 2019-2021

(million cubic feet)

State	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	11,585	10,145	11,549	1,773	2,047	3,759	4,007
Alaska	7,678	NA	6,798	1,423	2,115	2,149	1,991
Arizona	14,956	15,453	14,729	2,527	3,461	4,211	4,758
Arkansas	25,742	22,974	24,110	4,209	6,555	7,406	7,572
California	NA	94,210	99,334	NA	22,366	21,775	23,806
Colorado	31,194	27,913	31,029	5,722	7,321	8,886	9,265
Connecticut	26,740	25,082	26,691	4,294	6,266	7,736	8,445
Delaware	7,017	NA	6,980	1,102	1,548	2,112	2,256
District of Columbia	NA	6,691	7,559	NA	1,676	2,088	2,076
Florida	NA	NA	23,549	5,535	5,508	5,895	NA
Georgia	26,410	23,999	25,292	3,792	5,147	8,155	9,316
Hawaii	622	723	883	177	157	140	148
Idaho	9,270	8,604	9,388	1,458	2,152	2,710	2,950
Illinois	115,027	109,669	124,836	17,061	25,608	38,357	34,001
Indiana	41,851	40,351	45,944	5,362	8,419	14,745	13,325
Iowa	25,844	25,435	29,183	3,320	5,285	9,278	7,962
Kansas	20,958	18,221	19,591	3,239	4,174	7,318	6,226
Kentucky	19,616	17,267	19,070	2,381	3,806	6,786	6,644
Louisiana	13,032	11,293	12,938	2,721	2,792	3,923	3,597
Maine	NA	4,567	5,148	699	1,121	1,353	NA
Maryland	30,700	30,604	35,910	4,792	7,614	9,006	9,288
Massachusetts	49,893	49,469	60,899	7,550	11,456	15,384	15,502
Michigan	88,231	86,020	95,896	12,748	20,016	28,461	27,006
Minnesota	54,248	NA	59,861	8,103	13,070	17,117	15,959
Mississippi	10,194	NA	8,873	1,402	2,149	3,239	3,404
Missouri	32,945	30,949	35,406	4,363	6,248	11,583	10,751
Montana	11,777	11,750	13,572	2,164	2,508	3,728	3,377
Nebraska	15,861	16,226	17,962	2,221	3,107	5,715	4,817
Nevada	12,578	13,489	15,210	2,208	2,952	3,437	3,982
New Hampshire	5,135	4,806	5,713	698	1,198	1,526	1,712
New Jersey	72,032	67,706	77,846	9,819	16,213	21,927	24,074
New Mexico	12,990	NA	12,530	1,701	3,281	3,657	4,351
New York	137,212	133,757	154,628	22,250	31,900	40,966	42,096
North Carolina	25,949	22,899	26,635	3,784	5,556	7,298	9,312
North Dakota	7,838	8,257	8,388	1,177	1,951	2,336	2,374
Ohio	90,157	84,223	95,112	12,546	18,952	29,560	29,099
Oklahoma	23,309	21,085	25,032	3,066	4,505	8,221	7,516
Oregon	14,077	13,801	15,627	2,220	3,714	4,093	4,050
Pennsylvania	80,235	75,002	87,035	11,329	17,078	24,413	27,414
Rhode Island	6,329	5,941	6,791	911	1,530	1,824	2,064
South Carolina	10,656	9,783	10,580	1,914	2,360	3,095	3,286
South Dakota	6,355	6,253	7,117	992	1,588	1,981	1,793
Tennessee	27,971	NA	26,309	4,015	5,156	9,367	9,433
Texas	80,648	74,324	89,718	13,607	16,856	25,696	24,489
Utah	20,725	NA	22,609	3,105	4,820	6,068	6,730
Vermont	3,200	3,059	3,370	547	769	895	989
Virginia	32,622	28,086	35,083	5,371	6,667	9,611	10,973
Washington	NA	25,680	27,991	4,295	6,512	7,758	NA
West Virginia	11,104	9,935	11,282	1,823	2,472	3,287	3,522
Wisconsin	50,737	45,518	52,501	6,930	11,934	16,219	15,655
Wyoming	7,565	6,336	6,535	1,298	1,736	2,311	2,219
Total	1,577,840	1,504,258	1,696,625	244,820	353,391	488,563	491,066

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	22,764	3,209	2,663	1,612	1,138	1,009	981
Alaska	NA	2,116	1,898	1,336	749	560	470
Arizona	35,592	4,364	3,195	2,353	2,086	2,036	2,139
Arkansas	53,386	6,575	4,745	4,128	3,117	2,851	2,925
California	233,588	25,095	22,715	18,027	16,029	15,098	14,758
Colorado	56,710	9,217	6,327	4,288	1,959	1,573	1,400
Connecticut	NA	6,811	NA	NA	2,464	2,415	2,413
Delaware	NA	2,184	1,390	1,087	819	753	740
District of Columbia	NA	2,206	1,264	778	NA	612	652
Florida	NA	5,691	5,151	4,527	NA	4,101	4,031
Georgia	51,098	8,558	4,438	2,708	2,231	2,157	2,098
Hawaii	1,730	156	126	128	118	125	131
Idaho	19,521	3,070	2,163	1,660	904	726	735
Illinois	213,663	29,312	19,063	15,551	8,370	6,595	6,846
Indiana	80,876	12,736	7,654	5,916	3,540	2,487	2,387
Iowa	51,052	7,275	4,600	4,230	1,925	1,737	1,848
Kansas	38,253	5,012	3,297	2,866	1,624	1,741	1,859
Kentucky	33,314	5,918	3,028	1,909	1,156	926	879
Louisiana	NA	3,727	2,691	2,438	NA	1,970	NA
Maine	NA	1,231	831	NA	310	259	247
Maryland	65,961	8,945	5,574	4,331	3,672	2,815	2,765
Massachusetts	NA	14,024	9,154	6,402	3,977	NA	4,076
Michigan	163,952	23,216	14,967	10,730	5,945	5,583	4,607
Minnesota	NA	14,233	10,917	7,660	3,180	3,057	2,393
Mississippi	NA	2,731	1,726	1,207	948	937	887
Missouri	60,009	8,914	5,415	3,276	2,344	2,141	1,979
Montana	NA	3,209	2,505	NA	1,058	941	912
Nebraska	32,306	4,613	2,959	1,896	1,197	1,257	1,231
Nevada	29,097	3,766	2,790	1,867	1,490	1,375	1,681
New Hampshire	8,466	1,503	622	308	268	191	215
New Jersey	138,421	21,790	12,312	6,829	5,393	4,568	5,434
New Mexico	NA	4,644	2,971	2,138	1,320	1,084	997
New York	283,446	40,415	26,304	16,009	12,987	13,003	12,386
North Carolina	NA	8,492	5,016	2,925	2,624	2,197	1,951
North Dakota	15,109	2,148	1,697	802	459	410	327
Ohio	162,676	26,053	15,089	8,192	4,791	5,224	5,156
Oklahoma	42,281	6,659	3,807	2,513	1,735	1,522	1,534
Oregon	28,337	4,084	3,422	1,945	948	889	883
Pennsylvania	146,505	23,807	12,943	7,905	5,445	4,877	4,219
Rhode Island	10,632	1,863	1,023	313	277	239	241
South Carolina	23,029	3,240	2,263	1,558	1,363	1,033	1,232
South Dakota	11,657	1,723	1,152	692	369	317	312
Tennessee	NA	8,931	5,385	3,042	2,404	2,289	2,229
Texas	NA	22,263	13,852	12,918	10,469	10,064	10,309
Utah	NA	7,719	3,355	1,679	1,340	1,317	1,454
Vermont	6,754	864	655	460	336	396	350
Virginia	63,114	9,891	5,345	4,459	3,113	2,955	2,946
Washington	54,962	7,208	6,145	4,216	2,163	2,112	2,153
West Virginia	21,094	2,958	1,896	1,451	1,022	922	844
Wisconsin	89,654	12,777	8,649	7,045	3,174	2,893	2,622
Wyoming	12,521	1,852	1,407	665	401	289	386
Total	3,147,056	449,000	292,895	207,020	142,167	130,731	128,275

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	924	1,082	1,450	1,858	3,268	3,569	24,875
Alaska	NA	NA	NA	2,045	2,216	2,653	14,570
Arizona	2,121	1,845	2,410	3,655	4,362	5,026	34,687
Arkansas	2,801	3,271	3,765	5,710	6,267	7,231	55,100
California	13,627	14,029	15,147	25,859	25,321	27,883	255,981
Colorado	1,583	2,451	4,671	5,559	8,625	9,059	61,755
Connecticut	2,103	2,908	4,365	5,725	7,084	7,908	57,642
Delaware	658	808	NA	1,431	NA	2,071	15,590
District of Columbia	615	681	1,085	1,449	1,912	2,244	16,125
Florida	4,104	NA	3,974	NA	6,084	NA	63,355
Georgia	2,212	2,697	3,298	4,681	7,606	8,414	53,611
Hawaii	118	104	117	191	196	219	2,608
Idaho	788	869	1,220	1,993	2,607	2,785	20,971
Illinois	7,054	11,201	17,357	24,914	33,402	33,996	247,280
Indiana	2,398	3,408	5,170	8,787	12,882	13,513	88,245
Iowa	1,819	2,183	3,857	5,603	7,713	8,263	57,985
Kansas	1,782	1,851	3,074	3,998	5,383	5,767	41,320
Kentucky	844	1,388	2,238	3,564	5,582	5,882	37,395
Louisiana	2,013	1,733	2,175	2,598	3,285	3,234	32,980
Maine	271	469	776	1,071	1,315	1,405	9,919
Maryland	3,365	3,891	5,044	6,820	8,687	10,052	76,349
Massachusetts	3,218	4,903	8,855	10,792	14,224	15,597	121,518
Michigan	4,827	8,055	13,622	20,172	25,569	26,658	181,825
Minnesota	NA	4,315	7,130	11,816	NA	NA	113,428
Mississippi	880	963	NA	1,855	2,666	2,842	19,935
Missouri	2,265	2,726	4,024	6,350	9,868	10,708	67,930
Montana	1,394	1,720	2,062	2,779	3,279	3,630	27,790
Nebraska	1,369	1,557	2,471	3,620	4,466	5,669	35,388
Nevada	1,394	1,243	1,865	3,502	3,766	4,356	35,190
New Hampshire	187	367	742	1,055	1,426	1,582	10,135
New Jersey	8,013	6,375	11,103	14,351	17,462	24,790	155,507
New Mexico	990	914	1,352	2,971	NA	4,108	29,661
New York	12,304	16,280	24,079	29,676	38,519	41,483	322,778
North Carolina	NA	2,355	2,997	4,416	7,043	8,443	57,310
North Dakota	332	677	1,306	1,901	2,303	2,748	15,455
Ohio	5,982	7,965	13,238	18,315	26,044	26,626	177,428
Oklahoma	1,536	1,890	2,765	4,271	6,817	7,231	48,791
Oregon	1,039	1,328	1,910	3,611	4,011	4,270	32,379
Pennsylvania	5,212	7,096	11,650	16,150	22,509	24,692	161,624
Rhode Island	261	474	1,045	1,295	1,736	1,864	12,416
South Carolina	1,279	1,279	1,411	1,924	3,047	3,400	24,926
South Dakota	318	522	1,012	1,277	1,811	2,153	13,405
Tennessee	2,218	NA	3,138	NA	8,148	8,568	56,315
Texas	NA	9,640	12,330	15,989	22,718	23,287	198,029
Utah	1,802	1,899	NA	4,255	6,290	6,829	47,336
Vermont	304	329	516	748	828	967	7,341
Virginia	2,693	3,627	4,754	5,417	7,922	9,993	71,245
Washington	2,466	2,819	3,921	6,571	7,157	8,031	61,010
West Virginia	1,009	1,057	1,562	2,274	2,961	3,139	23,599
Wisconsin	2,612	4,363	7,007	10,244	13,918	14,349	101,576
Wyoming	472	713	1,279	1,529	1,758	1,770	12,996
Total	131,603	161,109	236,913	337,078	443,357	486,910	3,512,607

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2019-2021

(million cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	3,198	2,442	1,672	1,152	1,067	1,169	1,270
Alaska	1,947	1,609	1,109	721	495	471	539
Arizona	4,183	3,122	2,378	1,911	1,887	1,949	2,093
Arkansas	6,384	5,745	3,691	2,916	2,892	3,002	2,870
California	25,534	26,624	20,971	16,093	17,132	15,947	15,505
Colorado	9,209	7,215	4,258	1,703	1,654	864	2,190
Connecticut	8,159	6,491	3,455	2,541	2,475	2,505	2,328
Delaware	2,008	1,838	978	758	744	762	713
District of Columbia	2,317	1,791	688	736	845	665	682
Florida	6,140	5,274	4,810	4,694	4,665	4,535	4,699
Georgia	7,271	6,049	2,777	2,011	2,164	3,442	2,182
Hawaii	214	193	215	214	230	235	202
Idaho	2,760	2,271	2,180	1,023	788	782	792
Illinois	32,173	29,815	14,889	8,349	8,244	8,205	8,561
Indiana	11,610	11,066	6,239	2,761	2,358	2,363	2,634
Iowa	7,608	7,535	4,271	1,742	1,757	1,731	1,763
Kansas	5,421	4,495	2,776	1,907	1,575	1,776	1,817
Kentucky	5,314	4,763	1,961	1,219	1,187	1,236	1,251
Louisiana	3,581	3,533	2,531	2,022	2,312	1,979	1,981
Maine	1,369	1,087	526	332	282	271	338
Maryland	10,497	8,573	3,817	3,341	3,458	3,453	3,227
Massachusetts	16,205	14,040	7,099	5,015	3,907	4,133	3,951
Michigan	24,076	20,007	10,427	5,222	5,502	4,922	6,101
Minnesota	16,690	12,956	6,791	3,027	2,778	3,036	3,265
Mississippi	2,658	2,394	1,352	853	998	984	899
Missouri	9,092	7,255	4,475	2,130	2,208	2,201	2,215
Montana	3,472	2,907	1,823	1,143	941	1,082	1,230
Nebraska	4,351	4,437	1,973	1,063	1,176	1,273	1,288
Nevada	4,326	3,249	2,583	1,876	1,783	1,839	1,994
New Hampshire	1,660	835	404	307	245	231	259
New Jersey	22,024	16,809	8,040	5,606	5,351	7,056	5,365
New Mexico	4,870	3,640	2,618	1,157	1,188	958	1,166
New York	41,826	35,283	16,506	14,663	14,698	14,673	13,665
North Carolina	7,461	7,558	3,350	2,478	2,326	2,145	2,758
North Dakota	2,391	1,809	766	379	350	325	343
Ohio	24,590	20,364	9,152	5,246	5,007	5,186	5,315
Oklahoma	6,618	5,529	2,665	1,615	1,607	1,682	1,815
Oregon	4,263	3,626	2,768	1,341	1,039	1,003	1,217
Pennsylvania	23,289	16,088	7,752	5,301	5,071	4,895	5,104
Rhode Island	1,953	1,487	582	288	238	228	300
South Carolina	2,938	3,067	1,632	1,294	1,305	1,275	1,333
South Dakota	1,902	1,585	747	374	345	335	355
Tennessee	7,641	7,559	3,208	2,379	2,148	2,311	2,348
Texas	21,495	18,796	11,983	10,247	10,539	10,962	12,152
Utah	7,584	4,963	2,867	1,574	1,278	1,638	1,513
Vermont	972	800	450	375	362	360	332
Virginia	9,078	7,101	3,742	3,032	3,429	3,073	3,141
Washington	7,982	6,542	5,549	2,631	2,236	2,339	2,646
West Virginia	2,982	2,629	1,542	975	1,039	1,003	971
Wisconsin	13,521	12,133	6,319	3,034	3,070	2,774	3,332
Wyoming	1,796	1,630	624	294	330	387	558
Total	456,605	388,610	215,982	143,062	140,705	141,651	144,568

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2019-2021
(million cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	1,356	1,573	2,841	2,268	4,868
Alaska	881	1,219	1,334	2,134	2,111
Arizona	2,434	2,630	3,536	4,086	4,477
Arkansas	3,489	4,074	6,446	6,141	7,448
California	18,840	17,595	23,676	30,619	27,444
Colorado	3,632	4,440	8,339	8,613	9,638
Connecticut	2,996	4,033	6,830	7,205	8,623
Delaware	808	886	1,826	1,871	2,396
District of Columbia	843	998	1,936	2,169	2,456
Florida	4,988	5,288	5,823	5,810	6,628
Georgia	2,422	3,268	6,151	6,135	9,737
Hawaii	221	221	216	210	237
Idaho	988	1,346	2,223	2,812	3,007
Illinois	12,208	18,501	31,315	34,471	40,549
Indiana	3,271	5,289	11,740	12,754	16,162
Iowa	2,396	3,748	7,161	8,582	9,692
Kansas	1,962	2,014	4,785	6,332	6,460
Kentucky	1,393	1,959	4,947	5,227	6,937
Louisiana	2,102	2,378	3,205	2,899	4,457
Maine	566	811	1,254	1,438	1,644
Maryland	4,074	4,623	9,473	9,296	12,519
Massachusetts	6,268	9,082	14,714	16,787	20,316
Michigan	9,670	14,439	24,748	27,193	29,516
Minnesota	5,024	9,026	14,622	17,937	18,276
Mississippi	923	1,261	2,213	2,149	3,250
Missouri	2,947	4,082	8,697	10,638	11,989
Montana	1,621	2,079	3,529	4,368	3,595
Nebraska	1,865	2,214	4,460	5,760	5,527
Nevada	2,331	2,588	3,745	4,323	4,553
New Hampshire	481	772	1,386	1,581	1,975
New Jersey	7,408	10,949	19,670	22,350	24,878
New Mexico	1,535	1,739	2,726	3,551	4,514
New York	16,836	22,903	39,125	41,248	51,352
North Carolina	2,600	3,392	6,767	6,619	9,858
North Dakota	703	1,091	2,005	2,694	2,598
Ohio	7,456	12,343	24,505	25,548	32,716
Oklahoma	2,228	2,950	6,094	7,538	8,449
Oregon	1,495	2,366	3,916	4,890	4,455
Pennsylvania	7,090	10,444	21,399	23,331	31,861
Rhode Island	550	919	1,731	1,842	2,298
South Carolina	1,500	1,711	2,648	2,475	3,746
South Dakota	646	996	1,701	2,263	2,156
Tennessee	2,412	3,083	6,613	6,460	10,154
Texas	12,136	16,432	22,431	24,041	26,814
Utah	3,311	2,660	5,473	6,832	7,643
Vermont	321	498	820	911	1,142
Virginia	3,566	4,503	8,681	9,555	12,344
Washington	3,093	4,566	6,799	8,635	7,990
West Virginia	1,175	1,631	3,039	2,893	3,719
Wisconsin	4,892	7,747	13,039	14,753	16,963
Wyoming	841	1,081	1,697	1,834	1,923
Total	184,799	246,441	424,050	472,073	554,061

^{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, 2019-2021

(million cubic feet)

State	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	77,493	72,888	75,612	18,962	19,702	18,593	20,235
Alaska	NA	5,390	5,909	NA	1,525	1,299	1,437
Arizona	6,914	6,794	6,958	1,445	1,739	1,723	2,007
Arkansas	36,464	38,093	36,819	9,075	9,271	8,315	9,802
California	225,296	234,413	245,432	57,790	58,794	50,682	58,029
Colorado	34,093	33,381	36,415	7,534	8,718	8,672	9,169
Connecticut	8,647	8,992	9,068	1,627	2,084	2,364	2,572
Delaware	14,089	NA	11,721	2,821	3,000	3,934	4,334
District of Columbia	0	0	--	0	0	0	0
Florida	44,577	NA	40,536	11,539	11,800	9,891	11,347
Georgia	54,983	51,720	53,844	13,224	13,541	13,217	15,002
Hawaii	32	28	29	9	9	7	6
Idaho*	14,147	13,774	13,478	3,028	3,524	3,535	4,059
Illinois	94,186	96,601	101,691	18,989	22,231	24,495	28,470
Indiana	141,104	136,573	155,597	32,374	34,926	35,178	38,626
Iowa	79,184	86,712	87,096	18,627	19,064	19,559	21,934
Kansas	NA	45,393	45,499	NA	10,638	11,037	12,397
Kentucky	44,653	42,250	46,266	9,883	10,728	11,572	12,470
Louisiana	356,641	379,102	388,042	85,559	85,504	83,686	101,892
Maine	8,518	8,472	7,731	1,908	2,157	2,218	2,235
Maryland	9,913	5,951	6,327	1,744	1,912	3,145	3,112
Massachusetts	21,608	20,674	20,939	4,454	5,274	6,219	5,662
Michigan	65,676	62,819	69,430	13,668	15,601	18,238	18,168
Minnesota	55,688	NA	62,470	14,188	13,424	13,096	14,979
Mississippi	48,451	46,160	45,089	12,033	11,746	12,323	12,349
Missouri	24,196	23,336	25,247	5,103	5,398	6,898	6,797
Montana	8,715	8,629	7,873	1,987	2,037	2,266	2,426
Nebraska	NA	NA	28,013	7,028	NA	7,863	8,678
Nevada	6,156	NA	7,092	1,472	1,692	1,406	1,587
New Hampshire	3,550	3,514	3,742	816	901	931	902
New Jersey	NA	NA	20,761	NA	NA	5,293	5,895
New Mexico	5,760	NA	6,244	1,415	1,467	1,413	1,465
New York	32,940	33,097	35,526	7,343	8,030	8,877	8,690
North Carolina	43,957	41,463	43,654	10,000	10,846	11,060	12,051
North Dakota	14,578	13,888	12,246	3,378	3,703	3,564	3,933
Ohio	112,439	109,657	117,771	24,967	28,453	29,836	29,183
Oklahoma	71,537	75,234	71,198	17,850	19,564	13,787	20,335
Oregon	20,753	20,473	19,864	4,822	5,442	5,061	5,427
Pennsylvania	79,032	78,873	85,523	17,030	19,881	21,731	20,391
Rhode Island	3,137	3,102	3,240	768	750	812	808
South Carolina	32,842	32,257	33,278	7,689	8,605	7,751	8,796
South Dakota	NA	16,534	16,316	NA	3,923	4,514	4,560
Tennessee	53,009	NA	53,630	12,917	12,754	13,123	14,215
Texas	NA	629,506	608,862	NA	148,886	116,069	176,680
Utah	14,709	14,559	15,169	3,610	3,397	3,813	3,889
Vermont	821	847	913	159	211	214	238
Virginia	NA	NA	33,867	8,122	NA	9,037	11,029
Washington	NA	NA	26,790	6,797	7,837	6,901	NA
West Virginia	13,549	NA	13,156	2,961	3,600	3,253	3,735
Wisconsin	58,452	60,725	63,786	11,650	13,374	16,735	16,693
Wyoming	NA	NA	21,183	NA	NA	4,665	NA
Total	2,843,798	2,887,386	2,946,942	679,509	702,989	669,873	791,426

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	212,415	20,797	18,862	18,444	16,550	17,298	16,197
Alaska	15,983	1,422	1,315	1,577	1,299	1,313	1,211
Arizona	18,514	1,959	1,638	1,486	1,293	1,291	1,451
Arkansas	105,962	10,397	9,601	8,270	8,006	7,928	7,850
California	700,620	59,800	56,991	57,980	62,770	61,624	58,343
Colorado	84,643	9,238	7,971	7,057	5,749	5,052	4,956
Connecticut	NA	2,422	NA	NA	1,520	1,653	1,693
Delaware	NA	NA	3,185	3,082	2,641	2,752	2,653
District of Columbia	0	0	0	0	0	0	0
Florida	NA	11,415	9,692	NA	NA	10,132	9,632
Georgia	152,877	15,049	13,932	12,077	12,236	12,813	12,103
Hawaii	80	7	6	7	6	6	7
Idaho	38,385	4,000	3,633	3,572	3,031	2,570	2,689
Illinois	NA	26,866	23,727	20,623	NA	17,620	18,160
Indiana	376,095	37,438	32,641	31,291	29,119	28,453	27,117
Iowa	NA	21,842	NA	20,451	18,387	18,264	18,121
Kansas	131,662	11,767	10,662	10,917	9,458	11,056	11,506
Kentucky	114,157	11,358	9,568	9,496	8,285	8,939	7,964
Louisiana	NA	104,597	96,851	NA	94,934	94,197	94,627
Maine	NA	2,141	1,926	1,756	NA	1,692	1,639
Maryland	NA	NA	2,126	1,780	1,719	NA	1,955
Massachusetts	NA	5,117	NA	NA	2,584	2,463	2,532
Michigan	NA	16,629	NA	14,053	11,468	10,325	9,460
Minnesota	NA	14,316	12,873	11,126	NA	9,533	9,228
Mississippi	129,176	12,493	11,672	9,387	9,204	9,795	10,548
Missouri	62,652	6,411	5,608	5,400	4,590	4,512	4,268
Montana	24,589	2,291	2,341	2,288	1,745	1,806	1,883
Nebraska	NA	8,893	8,393	9,369	7,890	8,284	8,496
Nevada	NA	1,513	NA	1,856	1,872	1,852	1,652
New Hampshire	9,340	866	778	764	693	689	624
New Jersey	NA	6,155	5,628	4,609	5,238	5,197	5,705
New Mexico	NA	1,400	1,361	1,494	1,464	1,477	1,405
New York	86,249	8,528	7,790	7,114	6,095	5,860	6,249
North Carolina	115,522	11,594	9,674	9,802	8,663	8,857	8,306
North Dakota	NA	3,975	NA	3,159	3,029	3,331	3,143
Ohio	281,049	27,852	23,664	22,822	18,601	20,284	19,991
Oklahoma	NA	19,973	18,826	18,344	17,399	17,620	NA
Oregon	56,245	5,339	4,932	4,709	4,030	4,245	4,117
Pennsylvania	211,483	20,559	18,482	17,684	14,970	15,074	15,465
Rhode Island	8,361	732	643	626	672	638	624
South Carolina	92,671	8,668	8,055	7,984	7,240	7,452	7,074
South Dakota	45,442	4,362	4,270	3,696	3,721	3,785	3,355
Tennessee	NA	13,597	11,580	12,559	11,683	11,529	10,765
Texas	1,889,671	178,466	165,270	162,032	151,632	155,571	154,996
Utah	NA	3,554	3,417	2,969	3,274	NA	2,884
Vermont	2,228	214	185	168	162	157	158
Virginia	NA	10,575	6,859	8,930	NA	NA	8,606
Washington	NA	7,726	7,156	7,226	6,432	6,130	5,535
West Virginia	NA	3,582	3,163	3,036	2,833	2,987	2,659
Wisconsin	152,627	15,892	13,834	13,337	10,361	9,636	9,465
Wyoming	NA	6,246	5,646	5,771	NA	4,511	4,734
Total	8,257,199	786,536	711,072	694,701	650,665	653,509	641,264

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	15,451	15,928	16,278	17,744	18,977	19,889	217,040
Alaska	1,226	1,230	1,199	1,288	1,463	1,440	15,940
Arizona	1,204	1,399	1,542	1,671	1,735	1,846	18,625
Arkansas	7,385	8,432	8,734	9,655	9,547	10,158	105,280
California	55,444	53,255	52,497	58,993	53,928	68,995	768,188
Colorado	5,411	5,829	6,979	8,194	8,985	9,223	91,693
Connecticut	1,511	1,615	1,970	2,125	2,348	2,549	24,520
Delaware	2,640	2,904	NA	3,424	3,552	4,113	33,865
District of Columbia	0	0	0	0	0	0	--
Florida	9,054	NA	10,604	NA	10,046	NA	119,654
Georgia	11,201	11,745	11,929	11,762	13,511	14,517	155,992
Hawaii	6	6	6	8	8	6	94
Idaho	2,648	2,470	2,876	3,521	3,575	3,802	38,598
Illinois	16,825	18,062	19,349	24,155	26,063	27,035	267,360
Indiana	25,680	27,784	28,118	33,412	35,057	39,985	426,408
Iowa	16,293	18,408	18,533	22,095	22,027	24,058	249,885
Kansas	10,897	10,006	10,527	10,221	11,729	12,916	131,094
Kentucky	8,113	8,184	8,671	10,203	11,553	11,823	121,669
Louisiana	94,825	93,457	89,863	94,292	93,812	101,134	1,145,104
Maine	1,790	1,980	1,895	2,012	2,208	2,357	21,024
Maryland	1,269	1,319	1,348	1,658	1,642	1,303	18,336
Massachusetts	2,365	3,173	4,243	4,713	5,879	5,839	48,770
Michigan	8,591	8,166	11,892	15,478	17,606	17,843	173,618
Minnesota	7,719	9,954	NA	14,087	NA	NA	162,437
Mississippi	9,984	9,933	10,439	11,234	11,877	12,610	132,423
Missouri	4,244	4,284	4,571	5,500	6,551	6,714	65,452
Montana	1,740	1,865	2,004	2,125	2,201	2,300	23,689
Nebraska	6,762	5,929	NA	8,088	7,821	8,921	89,696
Nevada	1,588	1,617	1,633	NA	1,792	1,766	20,681
New Hampshire	687	724	793	891	916	915	9,834
New Jersey	4,375	3,603	4,324	4,662	5,056	NA	65,061
New Mexico	1,294	1,326	1,466	1,646	NA	1,710	18,362
New York	5,722	5,794	7,004	8,125	8,966	9,002	90,330
North Carolina	8,427	8,735	8,914	10,433	10,654	11,462	119,114
North Dakota	3,204	2,626	3,103	3,522	3,526	3,736	36,093
Ohio	18,397	19,780	23,482	27,095	29,168	29,912	298,171
Oklahoma	17,163	17,907	18,420	18,619	18,556	19,640	211,168
Oregon	4,115	4,284	4,615	5,335	5,149	5,375	57,008
Pennsylvania	15,221	15,155	16,582	19,520	20,797	21,973	249,026
Rhode Island	631	693	734	733	805	830	8,819
South Carolina	6,754	7,186	7,038	8,363	8,077	8,779	94,907
South Dakota	3,005	2,714	3,436	4,088	4,360	4,649	46,014
Tennessee	10,750	NA	11,582	NA	13,721	13,942	147,533
Texas	142,878	149,320	147,504	160,929	155,402	165,671	1,799,319
Utah	3,015	3,292	3,172	3,432	3,979	3,977	41,348
Vermont	159	178	188	208	219	232	2,370
Virginia	8,294	7,803	6,462	NA	NA	8,949	100,608
Washington	5,612	5,690	5,874	NA	NA	7,188	78,490
West Virginia	2,567	2,750	NA	2,870	3,418	NA	36,570
Wisconsin	8,892	10,484	11,803	14,932	16,384	17,607	162,622
Wyoming	4,184	4,251	5,134	NA	5,124	5,723	61,755
Total	607,213	624,852	644,030	720,293	731,678	791,385	8,421,655

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2019-2021

(million cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	18,886	18,204	17,208	16,330	17,207	17,497	17,864
Alaska	1,418	1,568	1,480	1,263	1,036	1,137	1,041
Arizona	1,803	1,665	1,458	1,290	1,287	1,303	1,330
Arkansas	9,475	9,279	8,547	7,747	7,625	8,805	8,236
California	65,665	63,595	66,872	67,982	69,610	64,900	60,273
Colorado	9,245	8,486	7,606	5,517	5,535	5,483	6,001
Connecticut	2,667	2,416	1,917	1,686	1,792	1,693	1,590
Delaware	3,454	3,412	2,783	2,555	2,480	2,314	2,541
District of Columbia	--	--	--	--	--	--	--
Florida	11,535	10,301	9,899	9,037	9,657	8,823	9,419
Georgia	13,992	14,295	12,913	11,857	12,132	12,210	12,090
Hawaii	8	8	9	8	8	8	7
Idaho	3,745	3,751	3,964	3,070	2,688	2,570	2,621
Illinois	27,107	25,224	21,735	16,513	18,773	18,022	17,830
Indiana	40,716	36,515	32,744	30,499	33,212	32,105	30,495
Iowa	23,009	22,669	20,119	18,406	20,003	17,994	19,447
Kansas	12,435	11,279	9,284	9,949	11,678	11,663	10,018
Kentucky	10,954	11,070	9,606	8,321	9,308	8,438	8,447
Louisiana	101,508	94,297	92,571	91,451	93,167	91,998	92,948
Maine	2,170	2,042	1,836	1,512	1,393	1,369	1,375
Maryland	1,590	2,257	1,367	1,427	1,130	1,715	1,439
Massachusetts	5,257	4,886	3,198	2,765	3,106	2,180	2,744
Michigan	17,350	16,362	13,266	11,267	11,179	10,946	10,841
Minnesota	14,863	13,285	12,178	11,528	11,685	12,139	11,675
Mississippi	11,543	10,934	10,258	10,944	11,144	11,166	10,035
Missouri	6,289	6,196	5,567	4,506	4,357	4,307	4,404
Montana	2,282	2,355	2,173	1,865	1,715	1,804	1,771
Nebraska	7,972	10,252	8,144	6,798	7,521	7,235	6,598
Nevada	1,878	1,875	1,654	1,576	1,706	1,750	1,556
New Hampshire	838	821	768	686	710	708	748
New Jersey	6,166	5,498	6,220	5,686	6,595	4,584	4,864
New Mexico	1,700	1,615	1,644	1,417	1,393	1,387	1,431
New York	8,759	8,435	6,628	6,067	6,410	6,223	6,041
North Carolina	10,782	10,759	9,487	8,674	9,224	8,641	8,708
North Dakota	3,280	2,647	2,283	2,883	3,154	3,139	3,280
Ohio	28,015	26,643	22,154	21,219	21,697	21,048	17,195
Oklahoma	19,260	17,725	18,413	16,514	16,650	16,177	17,183
Oregon	5,284	5,126	5,223	4,485	4,370	4,154	4,057
Pennsylvania	25,926	24,884	22,071	21,141	22,135	15,761	15,766
Rhode Island	786	714	661	670	690	680	666
South Carolina	8,096	8,389	8,004	7,104	7,544	7,749	7,303
South Dakota	4,698	3,856	3,084	3,415	3,590	3,681	3,809
Tennessee	12,933	12,550	12,156	10,824	11,380	11,132	11,661
Texas	167,322	152,645	145,196	140,135	149,207	148,069	142,830
Utah	3,720	3,767	3,122	3,052	2,875	3,023	3,281
Vermont	223	214	190	156	163	154	169
Virginia	8,522	8,860	8,129	8,405	8,275	8,323	7,954
Washington	7,242	6,842	7,239	6,560	6,048	5,885	5,662
West Virginia	3,197	3,161	2,958	2,708	2,783	2,801	2,686
Wisconsin	16,830	16,175	12,957	10,355	10,430	10,254	10,113
Wyoming	6,239	5,453	5,470	4,610	4,682	4,836	4,531
Total	778,634	735,260	684,410	644,435	672,136	649,985	634,573

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2019-2021

(million cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	18,233	17,426	19,316	17,930	20,939
Alaska	1,087	1,115	1,555	1,496	1,742
Arizona	1,531	1,478	1,602	1,834	2,044
Arkansas	8,746	8,482	9,472	8,849	10,016
California	63,860	59,312	63,355	57,327	65,438
Colorado	7,405	7,445	9,148	9,591	10,231
Connecticut	1,691	1,777	2,233	2,325	2,734
Delaware	2,606	2,452	2,868	2,871	3,530
District of Columbia	--	--	--	--	--
Florida	10,447	10,411	9,990	9,276	10,858
Georgia	12,660	12,624	13,890	12,498	14,832
Hawaii	8	8	7	7	8
Idaho ^a	2,710	2,817	3,374	3,431	3,855
Illinois	20,466	20,271	25,448	25,552	30,420
Indiana	34,525	35,898	40,810	36,785	42,103
Iowa	21,140	19,774	22,317	21,893	23,113
Kansas	9,290	8,855	11,138	12,363	13,144
Kentucky	9,259	10,068	12,266	10,803	13,128
Louisiana	99,122	95,649	97,218	93,611	101,564
Maine	1,597	1,746	1,966	1,909	2,110
Maryland	1,085	1,520	1,619	1,445	1,743
Massachusetts	3,695	4,135	5,097	5,884	5,823
Michigan	12,976	14,144	18,429	16,773	20,084
Minnesota	12,616	14,446	15,280	15,847	16,897
Mississippi	11,309	11,705	11,694	10,348	11,342
Missouri	4,579	4,995	6,063	6,701	7,488
Montana	1,850	1,733	1,901	2,085	2,154
Nebraska	7,164	6,280	6,610	7,306	7,817
Nevada	1,595	1,647	1,783	1,937	1,724
New Hampshire	814	877	963	961	942
New Jersey	4,688	4,134	5,747	5,465	5,415
New Mexico	1,530	1,492	1,661	1,513	1,578
New York	6,240	7,369	9,012	9,303	9,842
North Carolina	9,184	9,707	11,533	10,390	12,025
North Dakota	3,182	3,076	3,192	2,776	3,202
Ohio	22,428	24,655	30,365	29,530	33,220
Oklahoma	18,048	17,484	19,006	16,001	18,707
Oregon	4,446	4,763	5,027	4,845	5,229
Pennsylvania	15,819	17,509	22,786	21,573	23,655
Rhode Island	712	763	794	848	835
South Carolina	7,439	7,717	8,695	8,095	8,770
South Dakota	3,565	3,673	4,067	4,317	4,259
Tennessee	11,267	12,045	13,606	13,262	14,717
Texas	145,051	143,845	154,046	146,425	164,545
Utah	3,338	3,635	3,525	4,021	3,988
Vermont	188	197	233	229	254
Virginia	8,271	8,090	7,867	9,243	8,667
Washington	6,221	6,094	6,970	6,652	7,074
West Virginia	3,120	2,912	3,663	3,129	3,452
Wisconsin	11,722	13,038	16,414	16,639	17,695
Wyoming	4,750	4,214	5,046	5,586	6,337
Total	675,280	675,503	750,667	719,482	801,290

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

-- 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, 2019-2021

(million cubic feet)

State	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	108,788	114,157	117,262	23,731	25,144	26,750	33,164
Alaska	6,779	8,215	9,314	1,606	1,670	1,777	1,726
Arizona	95,964	99,075	90,067	28,300	23,621	16,393	27,651
Arkansas	38,100	40,015	42,109	12,231	10,521	7,233	8,114
California	161,960	154,332	163,308	37,170	41,259	38,571	44,960
Colorado	35,436	46,964	39,767	8,013	7,524	9,542	10,357
Connecticut	47,939	48,653	42,107	10,234	13,012	11,905	12,787
Delaware	W	5,887	6,613	932	357	763	W
District of Columbia	--	--	--	--	--	--	--
Florida	365,331	410,164	371,930	96,241	91,912	86,703	90,475
Georgia	118,745	125,453	113,212	31,407	26,084	27,672	33,583
Hawaii	--	--	--	--	--	--	--
Idaho	9,591	10,674	8,074	1,336	2,789	2,721	2,746
Illinois	45,722	56,188	37,930	9,596	11,496	11,332	13,298
Indiana	63,946	74,054	67,843	13,446	14,280	17,113	19,108
Iowa	6,035	11,888	13,004	1,743	1,152	1,377	1,763
Kansas	7,265	6,937	5,195	2,323	1,711	1,958	1,273
Kentucky	32,309	28,158	30,909	6,224	8,432	8,411	9,242
Louisiana	92,038	108,481	98,964	23,773	24,833	22,555	20,878
Maine	4,300	W	W	802	751	1,610	1,137
Maryland	26,683	31,305	32,309	8,818	7,097	5,574	5,193
Massachusetts	35,681	28,388	38,764	4,972	6,998	11,176	12,534
Michigan	71,551	94,360	81,565	17,392	13,504	22,133	18,523
Minnesota	18,766	25,893	21,449	4,119	3,887	5,030	5,729
Mississippi	111,400	117,151	99,881	27,535	20,379	28,522	34,964
Missouri	14,167	20,145	16,437	2,692	2,086	4,456	4,933
Montana	1,349	1,314	1,749	398	321	364	266
Nebraska	W	3,081	W	911	W	1,087	508
Nevada	57,035	58,286	53,101	14,040	14,465	12,977	15,553
New Hampshire	6,654	6,494	5,282	1,549	765	2,298	2,041
New Jersey	54,740	66,839	88,298	14,156	13,012	14,499	13,073
New Mexico	25,691	31,967	29,471	5,937	6,336	6,151	7,267
New York	116,526	111,573	112,405	23,436	27,983	29,976	35,130
North Carolina	92,741	99,109	96,890	17,525	22,841	22,662	29,713
North Dakota	4,796	5,739	3,351	1,197	1,323	1,106	1,171
Ohio	118,987	126,110	116,497	24,908	30,342	29,316	34,421
Oklahoma	72,163	104,389	87,491	14,471	14,529	21,736	21,428
Oregon	45,428	50,926	47,391	11,521	11,876	10,915	11,116
Pennsylvania	257,837	244,385	186,953	55,482	64,340	65,525	72,491
Rhode Island	13,492	16,091	14,921	2,035	4,026	3,450	3,981
South Carolina	47,994	59,234	50,017	14,128	9,586	10,987	13,293
South Dakota	W	W	W	803	W	729	420
Tennessee	30,523	34,495	33,367	4,308	6,596	8,329	11,290
Texas	453,390	501,180	448,410	114,458	94,604	124,912	119,416
Utah	20,959	18,391	20,903	5,279	5,048	4,842	5,789
Vermont	1	4	5	--	--	--	1
Virginia	119,749	146,886	124,490	29,464	32,451	26,118	31,716
Washington	33,988	36,401	26,375	8,807	9,927	7,254	8,000
West Virginia	4,327	3,927	1,730	1,863	877	717	870
Wisconsin	45,681	53,438	46,267	11,379	11,070	10,395	12,837
Wyoming	1,714	1,368	734	825	334	320	234
Total	3,152,052	3,452,922	3,150,709	753,517	744,195	787,939	866,400

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	396,717	31,225	23,527	30,535	35,983	42,608	47,915
Alaska	24,019	1,834	1,404	1,985	W	2,509	2,815
Arizona	389,639	29,776	27,943	36,405	39,033	44,960	44,493
Arkansas	133,920	11,074	7,591	11,475	8,917	16,114	17,024
California	615,090	56,359	51,138	70,380	68,219	82,773	61,287
Colorado	145,888	10,447	9,810	11,572	12,320	16,674	15,473
Connecticut	156,669	13,427	11,786	10,787	13,304	15,626	18,375
Delaware	27,908	958	1,501	1,359	2,546	4,878	5,444
District of Columbia	--	--	--	--	--	--	--
Florida	1,359,365	90,109	98,114	120,816	123,370	138,598	139,507
Georgia	428,117	33,974	32,405	33,303	34,185	44,768	46,606
Hawaii	--	--	--	--	--	--	--
Idaho	31,021	2,897	2,478	1,800	W	3,457	3,614
Illinois	197,871	13,300	8,766	12,584	14,205	22,998	36,854
Indiana	226,087	18,225	14,188	17,051	17,217	21,309	25,666
Iowa	44,452	3,328	1,814	3,313	4,324	3,944	7,561
Kansas	26,550	1,557	1,358	4,023	1,775	3,280	4,063
Kentucky	107,020	9,477	7,798	9,294	5,772	10,878	15,746
Louisiana	367,514	25,895	25,850	32,488	31,101	37,360	42,617
Maine	W	910	W	744	780	1,177	1,981
Maryland	94,673	5,082	6,814	8,781	7,142	9,413	12,314
Massachusetts	103,737	9,516	6,375	8,157	8,308	13,521	17,579
Michigan	282,292	20,182	16,037	22,442	21,763	26,972	35,963
Minnesota	81,505	6,120	3,992	6,364	7,205	8,088	11,477
Mississippi	385,648	29,154	25,521	30,576	33,265	40,200	40,356
Missouri	71,469	4,635	3,762	5,357	6,300	8,861	11,643
Montana	4,413	390	314	358	W	W	514
Nebraska	14,032	546	420	1,251	2,032	1,745	2,722
Nevada	202,652	15,675	12,502	17,393	20,592	24,070	21,767
New Hampshire	26,063	774	1,634	2,433	3,044	3,160	4,506
New Jersey	228,997	13,612	16,363	19,059	18,153	27,623	32,990
New Mexico	104,318	7,228	7,205	8,662	10,112	12,200	11,569
New York	422,237	32,767	30,903	30,286	39,202	52,395	62,408
North Carolina	306,987	28,090	21,109	22,838	24,414	30,565	33,686
North Dakota	16,876	1,287	1,130	1,358	W	1,688	1,869
Ohio	374,502	33,306	27,814	22,559	30,643	36,292	40,711
Oklahoma	338,835	22,976	15,107	22,691	28,483	38,950	46,047
Oregon	130,346	12,587	10,504	12,413	13,462	13,093	10,163
Pennsylvania	825,720	70,763	51,434	67,117	78,143	91,745	96,912
Rhode Island	56,183	4,122	4,516	3,696	5,603	6,456	6,174
South Carolina	184,948	13,395	12,142	13,214	15,926	18,818	21,115
South Dakota	W	453	W	821	W	1,219	1,739
Tennessee	109,096	10,129	7,603	7,224	8,956	10,050	14,261
Texas	1,764,649	114,853	110,205	144,722	165,311	204,725	211,294
Utah	66,724	6,200	4,333	5,671	7,081	8,474	7,360
Vermont	14	1	1	1	1	2	1
Virginia	444,301	33,133	25,318	33,041	36,870	45,323	49,433
Washington	96,101	8,800	5,334	9,346	10,975	10,524	7,825
West Virginia	21,142	1,129	1,821	2,814	1,077	2,538	3,324
Wisconsin	153,599	10,835	8,698	12,939	11,413	15,272	16,490
Wyoming	5,767	167	336	512	620	1,432	846
Total	11,615,988	872,676	767,235	954,009	1,037,749	1,279,767	1,372,103

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	39,978	30,789	21,675	31,862	30,570	30,050	420,582
Alaska	1,789	1,307	1,674	2,061	2,032	2,448	31,914
Arizona	35,384	32,569	25,210	21,144	25,483	27,239	356,102
Arkansas	13,147	8,563	7,287	10,707	9,322	12,698	155,001
California	41,730	28,872	29,838	43,329	38,341	42,824	578,056
Colorado	13,161	9,468	11,161	12,986	12,092	10,725	130,185
Connecticut	14,240	10,472	11,464	11,533	12,264	13,391	142,297
Delaware	3,533	1,802	2,024	1,066	1,280	1,516	27,550
District of Columbia	--	--	--	--	--	--	--
Florida	128,764	109,923	107,239	110,061	96,213	96,652	1,323,826
Georgia	41,274	36,149	27,529	29,001	34,691	34,232	413,444
Hawaii	--	--	--	--	--	--	--
Idaho	1,758	1,209	1,416	2,681	3,041	3,536	29,743
Illinois	21,958	11,018	11,458	14,705	14,087	15,938	152,786
Indiana	21,507	16,871	15,832	18,717	18,777	20,728	225,699
Iowa	4,660	3,621	2,052	1,832	4,259	3,744	51,759
Kansas	2,456	1,101	1,571	2,581	1,477	1,308	29,895
Kentucky	10,873	9,025	6,846	4,664	7,541	9,107	109,097
Louisiana	33,586	30,137	27,484	29,386	26,485	25,126	356,088
Maine	1,528	881	518	W	436	625	9,249
Maryland	8,243	5,578	7,311	8,886	8,866	6,242	98,990
Massachusetts	8,414	3,478	4,393	4,382	8,694	10,919	118,394
Michigan	24,892	19,680	18,724	22,089	25,044	28,503	280,764
Minnesota	7,476	4,889	5,128	5,799	6,294	8,672	75,692
Mississippi	35,682	33,743	27,772	26,783	31,772	30,823	367,497
Missouri	6,992	3,774	3,844	5,292	4,861	6,148	64,173
Montana	W	279	278	370	299	367	5,659
Nebraska	1,552	683	484	857	744	996	11,384
Nevada	17,600	14,768	13,468	15,115	14,019	15,683	193,078
New Hampshire	2,871	1,149	1,741	1,289	1,460	2,004	25,460
New Jersey	21,565	12,794	14,960	16,648	16,514	18,717	299,524
New Mexico	7,919	7,456	7,420	8,356	7,772	8,419	104,225
New York	39,190	23,513	21,105	28,948	29,390	32,130	398,926
North Carolina	25,637	21,539	15,106	26,173	29,070	28,760	307,876
North Dakota	1,339	948	1,338	1,463	1,376	1,562	13,130
Ohio	30,067	26,999	27,338	32,902	31,268	34,603	361,931
Oklahoma	32,673	27,518	20,722	26,140	27,841	29,686	338,401
Oregon	4,173	3,024	11,033	14,268	11,342	14,283	145,920
Pennsylvania	72,509	52,711	48,353	62,418	63,940	69,675	675,004
Rhode Island	5,672	3,852	3,659	3,863	4,089	4,481	56,026
South Carolina	15,135	15,967	15,041	14,931	14,498	14,764	186,297
South Dakota	W	W	W	749	713	900	10,589
Tennessee	9,763	6,615	5,923	8,186	10,265	10,122	118,464
Texas	169,432	142,927	116,928	126,696	127,574	129,982	1,750,596
Utah	5,243	3,972	2,893	3,949	5,682	5,867	67,774
Vermont	1	2	1	1	2	1	12
Virginia	38,474	35,823	34,074	37,441	35,832	39,538	410,865
Washington	3,519	3,378	9,089	10,281	7,328	9,703	102,792
West Virginia	2,419	2,093	1,372	1,410	554	592	15,154
Wisconsin	14,170	10,343	11,490	14,106	12,952	14,891	156,400
Wyoming	331	W	235	410	321	402	3,159
Total	1,045,572	833,954	763,925	878,908	878,768	931,322	11,307,426

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2019-2021

(million cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	27,336	29,169	35,097	43,906	45,729	45,184	39,758
Alaska	2,991	2,610	2,788	3,031	3,731	3,666	2,299
Arizona	31,145	25,191	33,369	36,494	42,432	40,838	33,041
Arkansas	9,301	10,970	15,055	14,469	18,503	17,649	15,221
California	56,766	56,775	57,110	59,584	68,980	57,417	34,050
Colorado	11,114	10,956	8,866	10,384	14,264	15,123	10,129
Connecticut	14,456	11,657	9,597	11,659	14,617	16,258	11,534
Delaware	862	1,459	1,775	2,470	4,427	5,473	2,502
District of Columbia	--	--	--	--	--	--	--
Florida	91,248	87,903	123,695	130,300	135,556	132,013	126,815
Georgia	31,691	32,311	36,248	40,793	45,230	42,770	37,199
Hawaii	--	--	--	--	--	--	--
Idaho	3,201	2,771	1,781	2,984	3,957	3,826	2,325
Illinois	11,235	9,284	13,062	14,067	19,497	26,151	13,274
Indiana	20,752	18,482	19,806	20,013	21,641	23,338	18,506
Iowa	4,456	3,478	3,680	5,182	7,476	7,403	4,284
Kansas	1,256	1,304	3,435	3,551	4,675	4,083	3,182
Kentucky	8,399	9,542	11,838	10,585	10,025	11,824	8,187
Louisiana	20,856	20,280	29,808	35,250	40,432	41,062	37,958
Maine	585	482	748	937	1,068	1,381	757
Maryland	6,135	6,145	8,214	8,057	10,352	11,838	8,122
Massachusetts	11,203	7,875	8,564	8,824	12,255	16,096	8,469
Michigan	23,915	22,263	25,948	23,480	31,962	31,934	20,548
Minnesota	5,864	4,377	6,626	7,086	10,152	10,076	6,002
Mississippi	27,926	27,400	30,340	37,653	42,294	41,123	29,953
Missouri	4,089	2,516	5,770	6,572	8,273	9,009	6,146
Montana	460	453	507	533	749	627	326
Nebraska	623	459	1,001	1,331	2,426	2,311	846
Nevada	16,193	14,705	14,874	18,258	23,505	21,718	18,006
New Hampshire	1,950	1,656	3,430	2,267	3,855	4,249	2,499
New Jersey	24,475	24,286	24,537	25,871	31,321	34,298	25,443
New Mexico	8,890	7,179	8,620	9,834	12,669	11,168	8,630
New York	32,383	30,278	29,067	33,727	47,323	56,213	33,357
North Carolina	23,234	23,340	25,814	28,528	30,711	31,074	25,250
North Dakota	1,199	1,016	1,215	1,323	1,687	1,668	1,028
Ohio	31,353	24,750	27,644	31,122	35,934	37,477	31,306
Oklahoma	28,090	21,504	25,804	34,743	45,834	41,677	32,696
Oregon	15,141	13,289	13,329	14,317	15,484	15,044	8,796
Pennsylvania	60,485	50,902	60,014	62,382	72,582	75,601	57,750
Rhode Island	4,193	4,245	4,857	4,917	6,465	6,526	5,028
South Carolina	14,314	13,257	14,971	18,421	20,454	20,764	17,798
South Dakota	798	634	1,057	1,234	1,823	1,786	830
Tennessee	9,357	10,264	7,118	11,872	12,447	12,548	10,967
Texas	128,744	119,209	143,993	185,513	217,812	194,954	166,980
Utah	5,974	5,390	4,569	5,215	7,458	7,544	5,633
Vermont	1	--	2	--	*	2	3
Virginia	36,301	26,607	27,302	38,295	46,004	47,309	39,089
Washington	11,251	8,110	9,028	11,637	13,907	12,929	6,520
West Virginia	222	873	3,651	2,386	2,276	2,045	1,241
Wisconsin	13,843	11,583	14,028	13,491	17,570	17,672	12,768
Wyoming	321	277	221	238	475	486	200
Total	896,577	819,468	959,873	1,094,787	1,288,300	1,273,225	993,253

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2019-2021
(million cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	37,141	27,452	34,499	27,454	27,856
Alaska	1,483	2,055	2,365	2,253	2,641
Arizona	23,524	25,774	22,993	19,527	21,773
Arkansas	11,724	9,874	10,143	12,558	9,533
California	24,066	27,541	39,440	47,018	49,309
Colorado	9,582	8,839	9,977	10,849	10,102
Connecticut	10,411	10,868	10,081	9,878	11,279
Delaware	1,969	1,820	2,298	1,317	1,178
District of Columbia	--	--	--	--	--
Florida	124,366	101,353	95,064	85,791	89,722
Georgia	33,992	29,580	24,867	28,348	30,417
Hawaii	--	--	--	--	--
Idaho	824	1,209	1,472	2,534	2,858
Illinois	8,285	10,835	9,265	8,226	9,604
Indiana	15,319	14,395	17,467	17,270	18,710
Iowa	2,796	2,655	3,499	3,295	3,555
Kansas	3,215	1,533	1,117	1,234	1,311
Kentucky	7,788	6,338	9,041	6,075	9,455
Louisiana	31,477	29,309	22,645	21,437	25,573
Maine	585	W	750	794	897
Maryland	7,818	6,785	10,280	7,994	7,250
Massachusetts	6,342	7,336	9,796	10,082	11,550
Michigan	19,149	20,857	19,996	18,757	21,955
Minnesota	4,059	5,358	5,443	6,240	4,408
Mississippi	30,927	25,132	24,399	24,432	25,918
Missouri	5,363	4,273	4,640	3,530	3,993
Montana	254	248	349	652	501
Nebraska	585	W	576	399	414
Nevada	12,718	12,314	13,366	12,971	14,451
New Hampshire	272	1,876	1,552	607	1,248
New Jersey	20,995	23,279	20,943	21,583	22,493
New Mexico	7,764	7,490	7,020	7,254	7,707
New York	24,173	24,743	27,326	29,106	31,229
North Carolina	23,035	20,330	25,073	26,451	25,036
North Dakota	642	870	819	750	913
Ohio	25,848	27,356	30,521	29,419	29,201
Oklahoma	20,562	20,239	20,462	21,723	25,067
Oregon	3,129	8,329	13,046	12,257	13,759
Pennsylvania	48,335	35,429	49,870	49,241	52,413
Rhode Island	4,872	3,757	4,311	3,311	3,543
South Carolina	16,301	12,971	11,690	12,736	12,619
South Dakota	W	W	489	473	594
Tennessee	10,524	4,712	10,396	8,881	9,378
Texas	144,980	103,176	112,132	105,531	127,571
Utah	5,088	3,736	6,281	5,424	5,462
Vermont	--	1	2	1	1
Virginia	25,468	24,181	31,564	34,104	34,642
Washington	3,034	5,346	6,537	5,315	9,177
West Virginia	731	678	419	223	411
Wisconsin	9,177	12,114	11,647	10,768	11,738
Wyoming	206	140	209	265	120
Total	831,234	735,698	798,136	776,339	840,537

^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, 2019-2021

(million cubic feet)

State	2021 4-Month YTD	2020 4-Month YTD	2019 4-Month YTD	2021			
				April	March	February	January
Alabama	216,793	212,368	222,086	46,508	50,124	55,649	64,512
Alaska	NA	NA	30,657	NA	8,032	8,017	7,799
Arizona	141,254	145,075	136,553	35,205	34,349	28,885	42,814
Arkansas	122,303	118,777	122,514	27,446	32,086	30,194	32,576
California	NA	NA	740,655	NA	180,131	166,360	198,199
Colorado	176,916	175,971	181,094	34,444	40,758	49,614	52,101
Connecticut	112,765	110,080	106,916	20,135	28,249	30,779	33,602
Delaware	30,453	NA	32,331	5,693	6,418	9,099	9,243
District of Columbia	NA	12,695	14,356	NA	8,120	4,249	4,285
Florida	NA	NA	445,515	115,619	111,665	105,453	NA
Georgia	267,344	260,482	254,156	56,925	57,331	70,153	82,936
Hawaii	877	963	1,127	246	220	200	211
Idaho	48,373	47,359	46,051	7,961	11,858	13,597	14,957
Illinois	477,997	478,436	513,256	74,316	103,674	152,384	147,623
Indiana	321,436	323,349	352,355	59,974	72,158	92,995	96,310
Iowa	147,380	159,985	170,874	27,782	32,478	43,749	43,370
Kansas	NA	104,565	110,088	NA	23,481	35,269	32,083
Kentucky	124,985	112,591	123,939	21,592	27,860	37,145	38,389
Louisiana	482,812	NA	518,947	114,630	117,260	117,610	133,312
Maine	NA	16,620	17,345	3,637	4,436	5,681	NA
Maryland	112,677	109,536	121,711	20,741	26,096	32,470	33,370
Massachusetts	174,602	161,437	195,881	26,503	40,251	52,624	55,223
Michigan	396,010	410,638	434,087	66,495	82,844	126,771	119,899
Minnesota	201,885	NA	223,882	36,566	46,492	59,377	59,449
Mississippi	NA	NA	165,677	42,264	37,115	NA	NA
Missouri	131,154	130,318	140,883	18,384	23,839	45,239	43,693
Montana	32,927	32,663	36,425	6,234	7,316	9,977	9,399
Nebraska	NA	NA	71,903	12,664	NA	22,523	20,750
Nevada	100,202	NA	101,771	20,736	25,095	24,918	29,453
New Hampshire	19,599	18,808	19,454	3,630	3,850	6,031	6,088
New Jersey	NA	NA	319,409	NA	NA	83,215	87,294
New Mexico	65,932	NA	70,403	11,524	16,453	17,527	20,428
New York	534,865	510,240	569,917	87,056	125,979	156,764	165,066
North Carolina	203,435	196,762	205,428	35,093	46,977	53,387	67,978
North Dakota	34,141	35,057	31,594	6,791	8,704	9,066	9,580
Ohio	480,281	469,422	496,950	81,980	110,485	142,643	145,174
Oklahoma	204,730	234,254	224,083	39,524	45,073	57,743	62,389
Oregon	103,623	107,455	107,452	21,706	27,087	27,193	27,637
Pennsylvania	551,446	519,514	500,536	100,187	129,788	154,542	166,929
Rhode Island	33,712	35,092	35,984	5,134	8,848	9,264	10,466
South Carolina	110,459	116,463	110,035	25,517	24,163	28,083	32,696
South Dakota	NA	33,031	34,194	NA	7,877	9,726	8,928
Tennessee	155,029	NA	152,487	25,341	31,864	46,694	51,131
Texas	NA	1,307,297	1,281,208	NA	287,004	317,417	359,698
Utah	92,099	NA	97,525	17,337	21,692	24,328	28,742
Vermont	6,168	5,938	6,681	1,034	1,513	1,743	1,879
Virginia	NA	NA	242,777	48,423	NA	59,120	70,766
Washington	NA	NA	126,875	26,330	35,109	35,250	NA
West Virginia	43,526	NA	40,062	8,561	9,936	11,947	13,081
Wisconsin	230,674	233,674	247,522	40,052	51,436	69,583	69,603
Wyoming	NA	NA	35,946	NA	NA	9,968	NA
Total	10,236,497	10,317,469	10,589,552	2,023,079	2,372,497	2,811,336	3,029,586

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	659,717	60,009	47,563	51,695	54,471	61,608	65,812
Alaska	NA	8,057	7,220	6,573	5,094	4,931	4,994
Arizona	486,515	42,138	35,936	42,067	43,813	49,580	49,565
Arkansas	324,404	33,843	24,528	25,037	20,673	27,416	28,394
California	NA	211,375	179,021	172,144	168,550	181,929	159,573
Colorado	423,422	52,180	40,026	33,182	24,306	26,223	24,665
Connecticut	NA	30,643	NA	NA	18,455	20,760	23,714
Delaware	NA	NA	6,921	5,866	6,207	8,550	9,026
District of Columbia	NA	4,345	2,263	1,173	NA	886	956
Florida	NA	109,859	114,773	NA	NA	154,237	154,595
Georgia	754,208	80,495	61,713	53,760	53,153	63,932	64,927
Hawaii	2,412	216	177	182	169	181	188
Idaho	118,925	15,418	12,457	8,894	7,872	7,357	7,641
Illinois	NA	133,818	87,977	73,023	NA	54,918	69,411
Indiana	815,432	92,345	67,063	61,851	52,823	54,468	57,344
Iowa	NA	43,205	NA	32,147	26,187	25,058	NA
Kansas	258,434	28,744	21,211	22,138	14,311	17,213	18,695
Kentucky	300,241	36,065	24,781	22,787	16,110	21,469	25,361
Louisiana	NA	140,416	128,494	NA	NA	134,786	NA
Maine	NA	4,706	3,196	NA	NA	3,181	3,921
Maryland	NA	NA	21,207	18,173	14,336	NA	18,938
Massachusetts	NA	47,574	NA	NA	17,823	NA	27,011
Michigan	NA	110,112	NA	69,427	47,494	48,352	55,577
Minnesota	NA	54,943	41,997	34,821	NA	23,428	25,737
Mississippi	NA	48,645	41,045	42,072	44,007	51,515	52,399
Missouri	293,994	38,628	24,588	17,945	15,367	17,384	19,698
Montana	NA	9,062	7,487	NA	3,733	3,597	3,857
Nebraska	NA	20,155	15,208	14,125	11,967	12,055	13,289
Nevada	NA	28,288	NA	23,288	25,610	28,740	26,811
New Hampshire	50,772	4,381	3,518	3,727	4,188	4,179	5,505
New Jersey	NA	79,690	54,097	39,387	34,123	41,983	50,543
New Mexico	NA	20,325	15,123	14,056	14,086	15,784	15,070
New York	1,223,045	152,387	104,189	70,882	69,616	81,545	92,279
North Carolina	NA	63,052	41,996	37,762	37,259	42,867	NA
North Dakota	NA	9,316	NA	5,883	5,254	5,639	5,531
Ohio	1,091,517	135,172	92,574	66,123	59,839	67,002	70,711
Oklahoma	NA	61,380	43,524	45,469	49,219	59,493	NA
Oregon	260,509	29,279	24,905	21,983	19,600	19,232	16,337
Pennsylvania	1,403,784	153,509	101,961	102,540	103,247	115,790	120,516
Rhode Island	93,189	9,839	7,919	5,180	7,014	7,766	7,473
South Carolina	329,091	31,881	24,703	23,672	25,169	27,795	29,954
South Dakota	80,201	8,614	7,004	5,849	5,689	5,528	5,615
Tennessee	NA	46,969	30,272	25,015	24,359	25,053	28,457
Texas	NA	355,407	305,656	NA	334,017	376,946	383,592
Utah	NA	31,666	16,887	12,768	13,621	NA	13,844
Vermont	12,639	1,600	1,160	778	601	633	595
Virginia	NA	68,203	43,595	49,689	NA	NA	62,813
Washington	NA	36,675	29,771	27,250	21,890	20,777	17,874
West Virginia	NA	11,574	8,966	8,374	5,433	6,762	7,150
Wisconsin	532,340	61,711	43,458	43,768	28,160	30,369	31,093
Wyoming	NA	10,418	8,923	7,518	NA	6,433	6,215
Total	27,727,489	2,906,089	2,215,057	2,101,137	1,960,892	2,177,841	2,264,043

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2019-2021

(million cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	57,178	49,012	41,055	54,084	58,085	59,144	693,175
Alaska	NA	NA	NA	8,006	8,461	10,194	80,374
Arizona	40,426	37,915	32,433	31,312	38,627	42,703	453,068
Arkansas	24,001	21,734	21,820	30,465	30,203	36,289	349,156
California	136,101	126,409	NA	183,374	172,560	212,357	2,093,641
Colorado	23,743	23,126	35,183	39,485	50,501	50,801	426,653
Connecticut	19,471	17,653	22,659	25,202	30,009	32,210	276,890
Delaware	7,069	6,071	NA	NA	NA	9,744	88,649
District of Columbia	961	1,305	2,033	2,678	3,758	4,225	28,645
Florida	NA	NA	123,697	NA	114,871	NA	1,528,405
Georgia	59,178	56,568	50,382	56,337	75,293	78,470	748,044
Hawaii	174	160	180	251	252	280	3,277
Idaho	6,092	5,837	7,604	11,342	13,661	14,751	120,174
Illinois	55,621	60,474	81,501	110,125	139,983	146,827	1,105,548
Indiana	52,114	54,075	58,934	76,505	90,053	97,857	883,160
Iowa	24,161	26,803	29,614	36,858	45,021	48,492	431,050
Kansas	16,413	15,145	19,771	23,452	29,011	32,332	271,173
Kentucky	20,668	20,411	20,970	23,130	33,101	35,390	316,999
Louisiana	131,840	127,024	121,581	129,326	128,433	NA	1,570,593
Maine	3,661	3,494	3,471	3,843	4,421	4,885	43,326
Maryland	14,940	14,688	19,644	25,644	31,313	32,934	275,864
Massachusetts	17,203	17,470	29,254	34,251	46,228	51,703	423,918
Michigan	44,803	52,391	71,140	94,528	120,210	124,760	968,460
Minnesota	NA	24,401	NA	47,038	NA	NA	496,642
Mississippi	47,215	45,380	NA	42,055	50,088	50,357	541,981
Missouri	15,496	14,570	18,726	27,591	39,717	44,284	308,549
Montana	4,245	5,130	6,077	7,958	8,864	9,764	81,070
Nebraska	10,773	9,816	NA	17,168	19,100	23,190	178,246
Nevada	22,663	20,078	20,654	NA	26,405	30,226	298,178
New Hampshire	3,900	2,566	3,925	4,106	4,997	5,780	53,464
New Jersey	40,625	35,465	50,969	59,820	70,063	NA	759,439
New Mexico	11,274	10,947	12,713	17,760	NA	21,179	194,853
New York	70,310	71,595	92,713	119,072	142,658	155,798	1,286,596
North Carolina	NA	35,395	30,633	46,884	57,512	61,733	553,808
North Dakota	5,108	4,763	6,871	8,464	9,221	10,501	77,802
Ohio	60,448	70,225	87,582	110,594	134,037	137,209	1,128,131
Oklahoma	52,845	49,746	46,365	55,273	64,312	68,304	667,809
Oregon	10,909	10,807	20,853	29,077	26,772	30,754	283,285
Pennsylvania	98,772	87,937	96,574	123,519	143,269	156,152	1,323,927
Rhode Island	7,006	5,900	7,272	8,103	9,415	10,303	97,248
South Carolina	23,869	25,587	24,907	27,914	30,850	32,792	335,120
South Dakota	4,564	4,307	6,100	7,636	9,026	10,269	84,818
Tennessee	24,273	NA	24,685	NA	44,867	45,428	391,301
Texas	NA	310,386	287,477	322,496	340,114	357,210	3,977,685
Utah	12,958	12,017	NA	18,590	26,766	29,015	232,719
Vermont	587	748	1,075	1,377	1,660	1,826	13,863
Virginia	51,489	NA	50,304	NA	NA	72,599	665,412
Washington	14,399	15,806	25,409	NA	NA	37,945	332,431
West Virginia	6,664	6,841	NA	9,215	10,920	NA	99,180
Wisconsin	28,511	31,595	42,501	55,549	65,825	69,799	572,662
Wyoming	5,386	5,868	8,053	NA	9,254	9,963	91,981
Total	1,925,035	1,859,926	2,025,135	2,466,131	2,791,080	3,035,123	28,308,442

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2019-2021

(million cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	54,470	52,645	54,962	62,098	64,663	64,620	59,750
Alaska	9,041	7,765	6,824	5,839	5,718	5,687	4,410
Arizona	43,211	33,101	39,139	40,994	46,828	45,431	38,104
Arkansas	30,603	30,255	28,219	25,702	29,566	30,088	26,953
California	211,218	193,167	172,788	164,347	176,491	161,939	133,348
Colorado	51,854	44,370	31,201	20,731	24,229	22,526	22,303
Connecticut	33,791	26,721	16,961	16,969	19,833	21,498	16,806
Delaware	8,310	7,975	5,824	5,961	7,818	8,734	5,949
District of Columbia	4,607	3,309	972	1,026	1,155	932	1,011
Florida	111,302	105,079	139,765	145,328	151,124	146,609	142,269
Georgia	71,622	67,658	57,540	58,615	63,627	65,272	55,725
Hawaii	268	243	269	265	282	290	253
Idaho	14,572	12,967	10,748	7,945	7,992	7,762	6,473
Illinois	130,382	120,855	70,933	46,805	53,854	60,200	49,424
Indiana	93,330	85,005	65,487	55,689	59,223	59,976	54,195
Iowa	45,046	41,866	32,335	26,417	30,353	28,234	26,880
Kansas	29,253	25,191	19,460	16,716	19,015	18,752	16,256
Kentucky	32,625	32,284	25,246	20,874	21,291	22,297	18,802
Louisiana	131,257	122,266	126,450	129,928	137,194	136,132	134,130
Maine	4,590	3,964	3,252	2,845	2,792	3,070	2,552
Maryland	31,762	26,802	15,629	14,397	16,458	18,606	14,564
Massachusetts	54,841	41,802	23,789	19,516	21,878	25,120	18,396
Michigan	111,425	102,091	68,212	45,643	53,772	53,356	44,566
Minnesota	59,721	47,993	33,923	24,360	26,942	27,528	24,095
Mississippi	45,851	43,960	42,746	49,874	54,963	53,794	41,367
Missouri	36,509	30,237	21,342	14,849	16,538	17,301	14,737
Montana	9,493	8,667	5,831	3,986	3,674	4,034	4,156
Nebraska	18,780	20,539	12,728	9,845	11,838	11,597	9,645
Nevada	29,864	23,798	21,648	23,336	28,415	26,870	23,469
New Hampshire	5,845	3,938	4,855	3,447	4,960	5,337	3,688
New Jersey	91,784	74,848	47,568	42,187	47,499	50,862	42,340
New Mexico	22,701	17,486	15,012	13,396	16,331	14,537	12,353
New York	154,470	126,703	69,838	64,810	78,246	87,400	65,604
North Carolina	54,298	51,730	40,549	40,829	43,408	42,967	38,283
North Dakota	8,874	7,014	4,865	4,783	5,377	5,310	4,885
Ohio	128,444	108,155	71,182	62,503	66,989	68,610	59,238
Oklahoma	64,806	53,494	48,640	54,069	65,341	60,908	53,333
Oregon	31,740	27,733	25,647	21,552	21,856	21,168	15,371
Pennsylvania	148,828	115,746	97,947	93,160	103,859	100,410	83,610
Rhode Island	10,071	8,853	7,041	6,306	7,762	7,785	6,445
South Carolina	30,866	28,586	25,337	27,365	29,804	30,304	26,988
South Dakota	9,374	7,779	5,653	5,242	5,972	6,046	5,277
Tennessee	41,744	40,589	24,199	26,239	26,910	27,118	26,187
Texas	349,525	315,077	308,637	341,073	382,909	360,330	328,708
Utah	30,476	22,351	14,197	11,785	13,191	14,238	12,486
Vermont	1,774	1,437	781	622	607	597	631
Virginia	67,601	51,329	41,506	51,305	59,267	60,253	52,069
Washington	39,379	32,785	30,061	23,465	23,910	23,142	17,258
West Virginia	10,160	9,835	9,241	6,366	6,441	6,181	5,213
Wisconsin	65,475	58,964	42,348	29,526	33,459	33,107	29,378
Wyoming	10,432	9,208	6,907	5,333	5,702	5,970	5,818
Total	2,888,266	2,536,215	2,096,233	1,996,263	2,207,326	2,180,835	1,905,754

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2019-2021

(million cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	57,880	48,361	60,634	51,449	61,642
Alaska	4,433	5,831	7,379	8,148	9,298
Arizona	29,707	32,756	33,902	32,996	36,899
Arkansas	25,256	24,419	31,780	32,680	33,634
California	139,686	137,278	180,449	211,208	211,720
Colorado	28,344	30,431	47,134	49,943	53,586
Connecticut	17,394	20,486	26,363	27,612	32,454
Delaware	5,746	5,847	8,722	8,143	9,619
District of Columbia	1,277	1,781	3,625	4,354	4,595
Florida	141,416	119,020	112,980	103,430	110,083
Georgia	53,829	52,480	59,674	62,289	79,712
Hawaii	279	279	278	268	302
Idaho	5,665	7,269	10,602	13,476	14,704
Illinois	59,839	80,088	126,911	140,118	166,138
Indiana	57,901	64,310	90,921	90,289	106,835
Iowa	29,045	30,831	43,020	46,382	50,640
Kansas	16,442	15,723	26,462	32,901	35,002
Kentucky	19,641	20,635	33,413	29,665	40,226
Louisiana	134,290	129,810	127,344	122,886	138,907
Maine	2,915	3,082	4,393	4,653	5,217
Maryland	15,934	16,751	33,182	33,414	38,363
Massachusetts	22,694	30,555	49,056	53,142	63,127
Michigan	55,309	74,055	109,832	114,243	135,956
Minnesota	28,198	38,953	54,071	64,770	66,088
Mississippi	43,749	39,274	41,298	39,830	45,275
Missouri	16,153	18,627	34,932	40,689	46,635
Montana	4,805	5,641	9,111	11,848	9,825
Nebraska	11,371	11,444	17,853	21,268	21,338
Nevada	19,008	19,677	25,328	27,406	29,359
New Hampshire	1,942	4,134	5,030	4,487	5,803
New Jersey	42,941	53,223	80,841	87,978	97,366
New Mexico	12,635	13,370	16,042	18,952	22,040
New York	69,607	89,448	145,710	153,419	181,340
North Carolina	36,315	36,638	53,007	53,523	62,261
North Dakota	5,101	5,954	7,780	8,756	9,104
Ohio	66,061	83,435	128,659	131,899	152,958
Oklahoma	43,136	44,283	55,123	57,924	66,752
Oregon	10,766	18,794	27,936	29,973	30,749
Pennsylvania	79,832	77,949	129,639	134,488	158,460
Rhode Island	7,002	6,821	9,627	9,070	10,466
South Carolina	25,834	24,077	26,724	27,618	31,616
South Dakota	5,280	6,349	8,362	9,817	9,666
Tennessee	25,828	23,268	40,569	38,873	49,777
Texas	310,217	280,575	322,073	314,288	364,272
Utah	16,471	14,028	24,519	28,045	30,933
Vermont	733	1,078	1,628	1,820	2,154
Virginia	39,305	41,295	59,871	67,385	74,226
Washington	15,556	22,215	30,811	36,289	37,560
West Virginia	5,681	6,577	10,964	9,921	12,599
Wisconsin	32,882	44,453	60,837	66,712	75,520
Wyoming	6,665	6,607	8,939	9,802	10,597
Total	1,907,998	1,990,267	2,665,341	2,780,541	3,153,403

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

^R Revised data.

^{NA} Not available.

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

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

Table 19. Average citygate price, by state, 2019-2021
(dollars per thousand cubic feet)

State	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	3.18	2.85	3.73	3.13	3.29	3.40	2.92
Alaska	7.69	8.31	8.16	8.00	7.73	7.71	7.43
Arizona	9.27	2.20	2.90	3.27	3.66	27.38	3.49
Arkansas	NA	NA	4.30	4.10	NA	21.50	3.06
California	NA	2.74	3.40	3.65	NA	NA	NA
Colorado	8.22	2.49	3.67	3.50	4.11	18.69	3.06
Connecticut	4.20	4.07	4.92	5.29	3.89	5.07	3.14
Delaware	4.50	NA	4.86	6.06	4.75	4.52	3.77
District of Columbia	--	--	--	--	--	--	--
Florida	NA	NA	7.39	6.34	NA	7.92	NA
Georgia	3.60	3.08	4.07	3.35	3.68	4.05	3.29
Hawaii	18.09	NA	17.44	20.72	19.40	17.06	14.80
Idaho	2.51	2.27	2.78	2.35	2.39	2.88	2.33
Illinois	NA	2.69	3.51	NA	4.20	15.08	3.17
Indiana	4.44	2.78	3.63	3.26	3.65	7.00	3.13
Iowa	9.49	3.33	3.76	4.68	5.06	18.89	3.64
Kansas	15.11	2.83	3.67	4.20	5.00	30.80	3.11
Kentucky	3.34	2.70	3.59	3.33	3.55	3.64	2.94
Louisiana	NA	2.87	4.12	3.56	NA	4.18	2.98
Maine	NA	NA	7.71	5.87	5.55	5.56	NA
Maryland	4.00	3.61	4.65	5.03	4.46	3.94	3.47
Massachusetts	4.99	4.34	4.92	5.66	4.89	5.16	4.63
Michigan	2.96	2.83	3.41	2.95	3.33	2.86	2.84
Minnesota	10.51	NA	4.13	3.85	4.09	22.48	4.08
Mississippi	3.95	3.26	4.01	3.99	4.58	4.19	3.25
Missouri	7.99	2.96	3.92	4.71	3.43	16.17	3.15
Montana	4.49	2.84	3.05	3.67	3.74	6.29	3.37
Nebraska	7.35	NA	3.99	3.65	3.75	13.66	3.42
Nevada	6.07	NA	4.79	4.00	3.60	12.64	3.68
New Hampshire	4.89	NA	6.37	4.65	4.58	5.11	4.99
New Jersey	4.43	4.44	4.93	4.12	4.73	4.38	4.39
New Mexico	NA	NA	2.86	3.03	NA	NA	3.20
New York	3.54	3.05	3.92	3.65	3.39	3.99	3.16
North Carolina	3.43	2.90	3.76	3.92	3.56	3.91	2.89
North Dakota	7.20	3.06	3.81	3.60	4.39	13.32	3.74
Ohio	NA	NA	3.75	2.91	3.78	NA	3.23
Oklahoma	27.41	3.05	3.83	3.78	4.00	62.44	3.31
Oregon	3.94	3.04	3.53	3.56	3.33	5.38	3.25
Pennsylvania	4.17	3.71	4.43	3.79	4.47	4.37	3.95
Rhode Island	2.06	3.05	2.59	2.06	2.24	2.02	1.98
South Carolina	4.21	3.17	4.25	4.24	4.32	4.86	3.63
South Dakota	8.79	3.06	3.81	3.52	4.35	17.65	3.65
Tennessee	3.96	NA	3.73	3.34	3.59	5.12	3.19
Texas	NA	2.47	3.42	NA	NA	38.75	2.99
Utah	6.11	5.85	5.30	4.78	6.70	6.18	6.35
Vermont	3.90	3.26	4.30	3.80	4.00	3.96	3.82
Virginia	3.73	3.47	4.32	4.15	4.18	3.85	3.25
Washington	NA	3.33	4.94	4.08	3.85	3.04	NA
West Virginia	3.16	3.06	3.70	3.54	3.65	3.13	2.75
Wisconsin	4.91	3.15	4.04	3.89	4.23	7.30	3.18
Wyoming	NA	NA	3.73	NA	4.34	17.01	3.69
Total	6.51	3.18	3.96	3.82	4.09	12.43	3.45

See footnotes at end of table.

Table 19. Average citygate price, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	3.00	3.06	3.45	3.11	3.65	3.11	2.67
Alaska	8.24	7.82	7.83	7.85	8.08	8.23	12.30
Arizona	2.56	3.39	3.48	2.17	2.28	2.54	2.58
Arkansas	NA	3.47	3.85	4.18	5.07	5.82	4.49
California	3.02	4.03	3.79	3.08	3.41	2.27	2.69
Colorado	2.81	2.97	3.44	2.89	3.50	3.37	3.14
Connecticut	NA	4.02	NA	NA	8.70	8.60	8.36
Delaware	NA	3.66	4.85	6.87	9.58	11.44	12.52
District of Columbia	--	--	--	--	--	--	--
Florida	NA	5.98	8.34	NA	NA	NA	6.83
Georgia	3.25	3.53	4.02	3.51	3.68	3.12	2.88
Hawaii	NA	12.70	11.57	11.23	11.08	12.00	12.38
Idaho	2.37	2.43	2.50	2.43	2.60	2.55	2.60
Illinois	NA	2.92	3.46	3.01	NA	NA	4.09
Indiana	2.99	3.10	3.17	3.12	3.53	4.47	3.96
Iowa	3.38	3.75	3.81	3.23	3.65	3.55	2.66
Kansas	NA	3.25	3.93	NA	NA	NA	4.46
Kentucky	2.81	2.97	3.33	2.85	3.05	2.84	2.41
Louisiana	NA	3.34	3.54	2.85	2.15	NA	2.43
Maine	NA	5.59	NA	NA	6.47	6.35	5.62
Maryland	NA	NA	4.35	4.80	6.45	7.87	7.95
Massachusetts	NA	4.67	NA	6.34	10.00	12.13	NA
Michigan	NA	2.85	3.05	2.55	2.76	2.30	NA
Minnesota	NA	4.58	4.41	3.36	4.23	NA	3.31
Mississippi	3.35	3.53	3.90	3.39	3.81	3.24	3.05
Missouri	NA	3.48	3.97	3.83	NA	5.99	5.65
Montana	2.92	3.22	3.19	2.40	2.56	3.31	2.83
Nebraska	NA	3.45	3.33	3.22	3.89	3.60	2.56
Nevada	NA	3.81	3.88	3.50	3.58	2.99	3.13
New Hampshire	NA	4.68	4.31	4.39	7.76	8.39	9.23
New Jersey	NA	4.07	4.15	4.13	4.68	5.28	NA
New Mexico	NA	3.13	3.18	2.82	2.43	2.38	2.53
New York	3.64	3.14	3.38	4.54	6.93	7.52	7.29
North Carolina	3.27	3.07	3.59	3.62	4.35	4.78	4.76
North Dakota	3.28	3.68	4.09	3.11	3.73	3.49	3.01
Ohio	NA	3.28	3.28	2.91	3.45	NA	NA
Oklahoma	3.35	3.49	3.77	3.53	4.98	4.27	3.99
Oregon	NA	3.31	3.34	NA	4.86	5.37	4.95
Pennsylvania	NA	3.84	4.48	3.09	3.28	2.86	3.28
Rhode Island	2.59	1.96	1.96	1.97	2.01	2.04	2.07
South Carolina	3.26	3.70	4.02	3.54	3.25	3.25	2.68
South Dakota	3.33	3.62	4.10	3.18	4.08	4.06	3.99
Tennessee	NA	3.22	3.51	3.05	3.34	2.86	NA
Texas	NA	3.15	3.18	2.58	2.99	2.90	2.76
Utah	NA	NA	6.08	4.89	2.67	2.09	2.19
Vermont	3.33	3.82	3.79	3.26	3.48	3.01	2.76
Virginia	NA	3.14	NA	NA	4.94	4.83	4.51
Washington	NA	3.65	3.46	3.49	5.37	NA	5.50
West Virginia	3.17	2.76	2.98	3.47	4.09	4.54	4.31
Wisconsin	3.36	3.49	4.23	3.08	4.16	3.68	3.37
Wyoming	NA	3.51	NA	NA	2.77	3.14	3.08
Total	3.42	3.55	3.80	3.47	4.10	3.96	3.86

See footnotes at end of table.

Table 19. Average citygate price, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	2.89	2.89	2.74	2.68	2.95	2.93	3.56
Alaska	8.54	8.09	8.19	8.33	8.36	8.31	8.27
Arizona	2.46	2.51	1.80	2.31	2.17	2.33	2.62
Arkansas	3.83	2.65	3.68	4.05	NA	3.56	4.04
California	2.65	2.47	2.36	2.43	2.55	3.32	3.10
Colorado	2.88	2.99	2.25	2.57	2.39	2.67	3.38
Connecticut	8.10	6.08	4.19	4.14	3.96	4.05	5.36
Delaware	11.35	7.11	4.82	5.34	NA	4.14	5.71
District of Columbia	--	--	--	--	--	--	--
Florida	6.90	NA	NA	NA	5.59	NA	7.22
Georgia	2.72	3.06	2.98	3.22	2.96	3.14	3.78
Hawaii	11.73	NA	NA	NA	17.21	16.63	17.75
Idaho	2.34	2.39	2.09	2.27	2.35	2.28	2.46
Illinois	NA	2.13	3.13	2.58	2.57	2.68	3.18
Indiana	3.89	3.00	2.42	2.86	2.75	2.91	3.43
Iowa	3.05	2.90	3.01	3.63	3.19	3.44	3.47
Kansas	4.39	4.04	3.00	3.07	2.65	2.79	3.68
Kentucky	2.70	2.60	2.34	2.95	2.64	2.78	3.37
Louisiana	2.44	NA	2.69	2.96	2.80	2.97	3.59
Maine	6.04	4.13	4.47	5.61	NA	6.65	6.51
Maryland	7.10	5.57	3.49	3.78	3.62	3.55	4.82
Massachusetts	9.85	6.21	4.57	4.73	4.14	4.14	5.53
Michigan	2.15	2.46	2.40	2.94	2.90	2.89	3.17
Minnesota	NA	NA	2.53	3.43	NA	NA	3.82
Mississippi	3.11	2.90	3.12	3.48	3.10	3.33	3.77
Missouri	6.23	4.97	3.79	3.29	2.72	2.75	4.22
Montana	3.19	2.89	2.76	3.49	2.48	2.81	2.66
Nebraska	2.78	2.80	NA	3.34	3.12	3.26	3.65
Nevada	2.78	2.86	2.66	2.49	NA	3.50	4.11
New Hampshire	NA	NA	NA	3.99	4.78	5.79	5.74
New Jersey	NA	NA	4.41	4.73	4.45	4.26	4.83
New Mexico	2.30	2.36	1.54	2.66	NA	2.34	2.56
New York	6.80	4.52	2.92	2.98	3.05	3.18	4.25
North Carolina	4.30	3.84	3.33	2.94	2.79	2.85	3.85
North Dakota	3.12	2.92	2.57	2.94	3.22	3.24	3.57
Ohio	2.53	3.11	2.70	NA	2.95	3.07	3.60
Oklahoma	3.97	3.10	3.01	3.27	2.89	3.09	3.64
Oregon	4.31	3.78	3.13	2.95	3.00	3.10	3.56
Pennsylvania	4.22	NA	3.72	3.78	3.74	3.63	4.53
Rhode Island	2.11	2.14	2.56	5.24	2.56	2.30	2.49
South Carolina	2.83	3.14	2.94	3.24	3.22	3.23	3.86
South Dakota	3.78	2.82	2.57	3.23	3.09	3.15	3.51
Tennessee	3.32	NA	2.41	2.92	2.65	NA	3.54
Texas	2.75	NA	2.69	2.43	2.31	2.55	3.02
Utah	2.34	4.11	5.19	5.70	5.93	6.14	4.80
Vermont	2.91	3.19	2.98	3.29	3.28	3.37	3.86
Virginia	NA	NA	3.64	3.66	3.33	3.40	4.52
Washington	4.71	4.29	3.30	3.09	3.27	3.60	4.25
West Virginia	4.11	3.37	2.54	3.48	3.07	3.04	3.71
Wisconsin	3.65	3.14	3.11	3.07	3.10	3.29	3.84
Wyoming	2.99	3.33	NA	3.35	3.45	3.35	3.48
Total	3.85	3.37	3.05	3.23	3.10	3.28	3.81

See footnotes at end of table.

Table 19. Average citygate price, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	3.22	3.35	3.58	3.52	3.37	3.45	3.42
Alaska	8.83	8.11	7.62	8.38	8.82	8.76	8.53
Arizona	2.74	2.96	2.35	2.62	2.33	1.36	1.92
Arkansas	3.82	3.17	3.29	3.43	3.57	6.56	10.32
California	3.87	2.94	2.95	2.57	2.53	2.34	2.33
Colorado	2.97	2.91	2.80	4.47	3.87	3.33	3.73
Connecticut	4.26	4.22	5.92	8.05	8.40	8.55	8.73
Delaware	4.13	4.59	8.54	11.94	11.99	11.96	11.41
District of Columbia	--	--	--	--	--	--	--
Florida	6.08	7.97	7.95	7.12	8.25	7.34	6.93
Georgia	3.44	3.52	3.57	3.51	3.42	3.59	3.83
Hawaii	16.43	17.98	18.98	17.52	16.47	16.81	17.26
Idaho	2.24	2.46	2.25	1.71	1.61	1.50	1.72
Illinois	2.84	2.91	2.30	2.83	2.78	2.95	2.74
Indiana	2.97	2.97	2.94	3.71	3.90	3.83	3.90
Iowa	3.27	3.38	3.02	3.30	2.91	3.16	3.39
Kansas	2.98	2.96	3.26	5.98	4.93	4.83	5.83
Kentucky	2.97	3.25	3.20	3.10	3.01	2.96	3.41
Louisiana	3.34	3.33	3.16	2.99	3.01	3.23	3.45
Maine	7.06	5.05	3.62	4.32	4.72	5.03	4.57
Maryland	3.56	3.89	6.93	8.60	8.85	9.06	7.94
Massachusetts	4.55	4.86	6.21	10.35	11.44	12.05	10.55
Michigan	2.99	3.04	2.73	2.38	2.10	2.48	2.81
Minnesota	3.65	3.56	2.65	3.48	3.79	3.88	3.70
Mississippi	3.44	3.44	3.54	3.60	3.50	3.47	3.87
Missouri	3.91	3.59	3.58	6.81	7.62	7.84	7.28
Montana	2.49	2.42	1.86	2.19	2.11	2.60	2.96
Nebraska	3.18	3.28	2.76	3.88	3.66	3.77	3.69
Nevada	3.88	3.66	3.31	3.36	3.32	3.34	3.13
New Hampshire	5.21	4.42	3.89	6.88	4.35	7.48	6.67
New Jersey	4.33	4.27	5.34	5.57	6.01	5.70	5.49
New Mexico	2.54	2.34	2.08	2.80	2.35	1.88	1.90
New York	3.36	3.57	5.09	7.51	7.95	8.29	7.30
North Carolina	3.04	3.33	4.42	5.24	5.60	5.77	5.02
North Dakota	3.41	3.45	2.94	3.32	3.37	3.35	3.49
Ohio	3.14	3.28	3.79	3.78	3.73	3.40	3.68
Oklahoma	3.14	3.18	3.47	3.65	3.34	4.06	4.75
Oregon	3.22	3.38	3.17	3.82	4.51	5.03	4.20
Pennsylvania	3.90	4.17	3.79	5.82	8.06	8.52	7.37
Rhode Island	2.32	2.32	2.32	2.38	2.44	2.49	2.53
South Carolina	3.66	3.81	3.51	3.76	3.39	3.47	3.67
South Dakota	2.98	3.31	2.77	3.96	3.89	3.82	3.85
Tennessee	3.10	3.24	3.23	3.64	3.64	3.63	4.06
Texas	2.70	2.67	2.58	2.60	2.95	2.80	2.54
Utah	5.77	6.28	4.07	2.88	2.67	2.83	2.86
Vermont	3.58	3.47	3.17	3.28	3.23	3.57	3.56
Virginia	3.55	3.91	5.20	5.82	7.25	6.70	6.78
Washington	4.05	3.56	3.00	3.11	3.71	3.89	3.48
West Virginia	3.21	3.26	3.77	4.82	4.75	5.37	4.74
Wisconsin	3.51	3.48	3.03	4.56	4.02	3.66	4.38
Wyoming	3.51	3.37	2.93	2.43	3.20	3.25	3.10
Total	3.50	3.46	3.42	4.07	4.15	4.17	4.17

See footnotes at end of table.

Table 19. Average citygate price, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	3.74	3.48	3.59	3.65	3.99
Alaska	8.29	8.40	8.14	8.49	7.76
Arizona	1.53	1.63	3.03	2.97	3.30
Arkansas	3.81	4.98	4.09	3.83	4.76
California	2.12	2.56	3.57	3.71	3.40
Colorado	3.01	3.35	3.79	3.56	3.80
Connecticut	6.69	5.58	4.70	4.70	4.98
Delaware	8.84	7.38	4.97	4.54	4.37
District of Columbia	--	--	--	--	--
Florida	6.20	6.74	7.97	7.95	7.05
Georgia	3.83	3.92	3.83	4.00	4.36
Hawaii	21.98	21.85	18.51	15.60	13.97
Idaho	2.20	2.03	3.15	3.31	2.43
Illinois	2.80	3.05	3.96	3.24	3.58
Indiana	3.57	3.37	3.83	3.47	3.69
Iowa	3.10	3.15	3.95	3.62	4.00
Kansas	5.19	4.19	3.99	3.28	3.70
Kentucky	3.31	3.80	3.43	3.64	3.61
Louisiana	3.42	3.48	4.02	4.16	4.52
Maine	3.77	5.32	7.41	8.15	8.55
Maryland	7.12	6.32	4.57	4.63	4.39
Massachusetts	6.01	4.95	5.05	4.79	4.93
Michigan	2.81	3.10	3.41	3.37	3.55
Minnesota	3.30	3.09	4.61	3.86	4.45
Mississippi	3.90	4.03	3.93	3.96	4.09
Missouri	6.13	4.69	3.92	3.71	3.92
Montana	1.94	2.71	3.27	2.89	3.21
Nebraska	3.34	3.48	4.17	3.70	4.29
Nevada	2.80	3.32	4.30	6.17	4.25
New Hampshire	3.99	4.03	5.37	6.36	7.99
New Jersey	4.77	5.84	4.79	5.02	4.68
New Mexico	1.57	1.52	2.62	2.83	3.45
New York	5.15	4.09	3.62	3.58	4.35
North Carolina	5.86	4.36	3.74	3.55	3.76
North Dakota	3.08	3.39	3.98	3.53	4.13
Ohio	3.74	3.54	3.67	3.84	3.99
Oklahoma	3.77	3.78	3.90	3.65	3.97
Oregon	3.90	3.03	3.74	3.83	3.27
Pennsylvania	6.53	4.84	4.71	4.13	4.38
Rhode Island	2.55	2.59	2.60	2.59	2.58
South Carolina	3.91	4.14	4.17	4.19	4.45
South Dakota	2.97	3.31	4.10	3.51	4.12
Tennessee	3.57	3.78	3.65	3.59	3.87
Texas	2.44	3.36	3.18	3.38	3.60
Utah	3.14	4.07	5.34	5.70	5.53
Vermont	3.69	4.01	4.27	4.18	4.56
Virginia	6.67	5.46	4.18	4.22	4.23
Washington	3.70	3.41	7.02	5.39	3.41
West Virginia	4.49	3.89	3.73	3.57	3.71
Wisconsin	3.88	3.64	4.16	4.11	4.09
Wyoming	3.20	3.21	3.80	3.62	4.02
Total	3.66	3.72	4.07	3.91	4.03

-- 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, 2019-2021
(dollars per thousand cubic feet)

State	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	14.04	14.83	14.21	16.56	14.25	13.56	13.55
Alaska	10.66	10.79	10.40	11.06	10.58	10.56	10.58
Arizona	12.83	11.57	12.09	15.85	13.52	12.67	11.31
Arkansas	10.19	10.83	10.12	12.92	9.76	9.73	10.11
California	NA	NA	13.23	NA	15.48	15.60	15.79
Colorado	7.23	6.10	7.57	9.21	7.28	6.65	6.74
Connecticut	14.00	13.22	13.71	15.78	14.30	13.59	13.23
Delaware	11.43	NA	10.56	12.73	11.36	11.19	11.14
District of Columbia	12.11	11.08	11.96	14.86	13.04	11.33	10.77
Florida	19.85	NA	19.28	21.89	21.47	19.02	18.23
Georgia	12.55	NA	11.88	16.27	13.52	11.76	11.48
Hawaii	43.14	NA	43.37	43.37	46.34	42.96	39.99
Idaho	6.47	6.40	6.14	7.02	6.51	6.41	6.26
Illinois	7.59	6.65	7.21	11.41	8.53	6.55	6.63
Indiana	7.55	7.18	7.60	9.62	8.38	6.78	7.06
Iowa	7.80	6.42	7.66	10.87	10.09	7.12	6.09
Kansas	8.31	7.69	8.34	11.49	9.37	7.05	8.00
Kentucky	9.25	9.70	9.20	11.95	10.62	7.96	8.97
Louisiana	10.04	NA	10.02	13.37	9.88	9.03	9.94
Maine	14.72	13.87	16.06	15.63	15.15	14.32	14.27
Maryland	12.49	12.03	11.63	13.78	13.45	12.22	11.48
Massachusetts	15.41	14.26	14.81	15.56	15.36	14.86	15.97
Michigan	8.04	7.52	7.56	9.26	8.79	7.54	7.61
Minnesota	7.65	NA	7.91	8.20	7.80	7.60	7.37
Mississippi	NA	NA	9.74	13.50	10.22	NA	NA
Missouri	8.46	8.77	8.93	10.76	8.78	7.64	8.15
Montana	7.56	6.56	6.67	8.76	7.60	7.20	7.07
Nebraska	7.22	6.40	7.27	8.85	7.19	6.76	7.01
Nevada	8.09	10.03	7.79	9.41	8.04	7.80	7.81
New Hampshire	14.23	13.68	15.33	15.79	13.54	13.70	14.57
New Jersey	9.35	9.34	9.18	9.91	9.42	9.29	9.10
New Mexico	7.47	NA	5.81	9.48	7.62	6.90	6.97
New York	11.61	11.73	11.62	13.75	11.54	10.89	11.22
North Carolina	12.37	12.44	11.77	14.55	13.42	12.77	11.09
North Dakota	6.15	5.66	6.08	7.46	6.27	5.82	5.67
Ohio	8.04	7.53	7.69	10.93	8.71	7.25	7.24
Oklahoma	6.94	6.85	7.32	10.65	6.39	6.29	6.79
Oregon	10.81	10.34	9.32	12.77	10.77	9.38	11.42
Pennsylvania	10.37	10.68	10.85	11.88	10.84	9.93	9.87
Rhode Island	14.94	13.85	14.68	15.64	14.84	14.71	14.86
South Carolina	12.98	12.24	11.71	15.60	15.10	11.78	12.33
South Dakota	7.61	6.36	6.85	10.85	8.70	6.10	6.64
Tennessee	NA	NA	8.57	10.39	NA	7.44	8.47
Texas	NA	9.02	8.48	13.31	9.80	9.04	NA
Utah	8.42	NA	7.64	8.13	8.52	8.67	8.34
Vermont	12.14	11.72	12.04	13.26	11.99	11.77	12.01
Virginia	12.02	11.60	11.38	14.48	12.59	11.84	10.91
Washington	10.76	10.40	8.85	11.77	10.75	10.44	10.60
West Virginia	9.25	9.33	9.21	10.16	9.34	9.04	9.03
Wisconsin	NA	6.85	7.28	NA	7.91	7.29	6.90
Wyoming	8.21	7.34	7.14	8.92	8.08	8.02	8.03
Total	10.15	9.66	9.59	12.21	10.54	9.37	9.73

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	16.17	14.23	18.58	21.24	22.93	22.74	22.46
Alaska	11.13	10.59	10.61	11.10	12.27	13.78	14.19
Arizona	13.11	11.16	13.51	17.34	19.95	20.43	19.19
Arkansas	11.98	11.05	12.44	16.74	20.79	21.17	19.03
California	NA	15.32	14.38	14.74	14.75	14.34	14.34
Colorado	7.17	6.94	7.44	8.05	10.31	13.37	13.25
Connecticut	NA	13.44	NA	18.31	23.03	23.68	21.91
Delaware	NA	11.82	14.66	19.98	25.29	26.11	24.51
District of Columbia	12.36	11.17	13.48	16.93	20.78	20.63	19.77
Florida	NA	20.24	23.47	25.26	26.23	NA	25.14
Georgia	NA	11.71	21.71	24.88	28.22	29.48	27.70
Hawaii	NA	38.60	37.96	37.84	37.28	37.36	38.17
Idaho	6.73	6.24	6.42	7.30	8.48	9.71	10.12
Illinois	7.94	6.79	7.99	8.85	16.59	19.53	18.97
Indiana	8.57	6.91	8.90	10.42	18.25	22.18	21.00
Iowa	NA	6.51	8.16	9.72	15.76	18.15	NA
Kansas	NA	8.24	9.58	10.25	18.40	NA	21.05
Kentucky	11.19	8.79	11.21	13.76	24.27	26.22	25.01
Louisiana	NA	10.45	14.16	15.82	17.64	17.68	15.98
Maine	NA	13.75	14.87	NA	22.85	28.00	25.39
Maryland	13.29	11.89	14.55	17.43	20.87	22.03	19.29
Massachusetts	NA	15.40	NA	NA	15.04	15.71	15.30
Michigan	8.25	7.72	8.31	8.66	11.24	14.31	13.97
Minnesota	NA	7.89	8.37	8.04	10.94	11.36	12.76
Mississippi	NA	9.89	12.49	15.43	19.05	18.76	17.38
Missouri	NA	8.98	10.98	15.17	24.04	NA	23.85
Montana	NA	7.16	7.64	NA	10.94	11.43	9.78
Nebraska	7.85	7.91	8.75	12.43	15.38	15.99	14.35
Nevada	10.36	8.18	9.20	11.76	13.44	13.84	13.66
New Hampshire	14.66	15.56	16.09	19.20	22.60	23.22	20.38
New Jersey	9.90	9.39	10.19	11.48	13.14	13.29	12.99
New Mexico	NA	7.21	7.81	11.16	11.93	12.74	10.54
New York	12.82	12.17	13.70	16.13	19.27	19.85	19.36
North Carolina	NA	11.27	15.36	21.55	19.24	20.42	NA
North Dakota	6.82	5.74	6.43	8.64	15.16	20.62	20.23
Ohio	NA	7.49	9.60	13.20	23.14	28.61	27.01
Oklahoma	9.19	8.02	9.44	18.64	23.14	25.43	23.22
Oregon	NA	10.05	10.38	11.37	14.93	15.58	13.67
Pennsylvania	11.49	10.20	10.98	13.72	18.82	20.65	19.99
Rhode Island	15.06	15.45	16.15	18.98	21.54	21.54	19.88
South Carolina	NA	10.32	15.85	20.83	24.85	26.27	26.07
South Dakota	7.11	6.44	7.12	8.40	12.68	15.32	14.67
Tennessee	NA	7.52	9.49	12.92	17.08	20.02	17.40
Texas	NA	10.41	14.12	NA	21.75	21.59	19.91
Utah	NA	8.34	7.41	9.48	9.71	10.08	9.12
Vermont	13.29	12.60	13.87	17.19	21.69	23.80	22.06
Virginia	NA	11.54	14.60	16.55	19.15	20.45	19.42
Washington	10.97	10.57	10.59	10.89	14.40	14.99	14.44
West Virginia	10.07	9.03	9.96	11.67	15.35	20.14	18.59
Wisconsin	7.52	7.12	7.85	6.99	12.16	14.06	13.28
Wyoming	NA	7.98	8.42	12.14	16.45	NA	16.08
Total	10.84	9.81	11.07	12.36	16.99	18.42	17.63

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	20.44	17.93	17.21	14.52	14.33	14.77	15.63
Alaska	13.47	12.34	11.36	10.79	10.76	10.55	11.11
Arizona	17.77	16.74	13.74	11.92	11.17	10.85	13.49
Arkansas	16.31	12.63	11.35	10.69	10.39	11.18	11.05
California	14.58	14.56	NA	13.70	14.57	15.02	12.95
Colorado	11.46	8.78	6.59	6.44	5.80	5.92	7.77
Connecticut	19.67	15.55	14.28	13.40	12.84	12.80	14.61
Delaware	19.40	14.26	NA	NA	NA	11.38	12.10
District of Columbia	16.09	12.64	12.26	10.50	10.63	11.38	12.81
Florida	22.19	NA	19.91	NA	18.61	NA	21.73
Georgia	23.81	NA	15.71	13.48	12.06	NA	14.87
Hawaii	38.30	35.00	NA	NA	43.98	43.17	44.14
Idaho	8.19	7.57	6.90	6.54	6.22	6.26	6.50
Illinois	12.65	9.18	7.50	6.99	6.25	6.36	8.04
Indiana	18.66	10.72	8.01	7.61	6.63	7.06	8.68
Iowa	13.70	10.69	7.12	7.00	5.99	6.17	8.19
Kansas	20.74	13.99	9.80	8.34	6.99	7.22	9.24
Kentucky	21.44	15.59	11.07	10.64	8.73	9.59	10.85
Louisiana	15.13	13.74	12.89	11.01	10.33	NA	11.51
Maine	20.02	14.47	13.41	13.24	14.84	13.70	16.05
Maryland	18.61	14.19	11.92	12.51	12.14	11.70	12.55
Massachusetts	13.23	13.57	14.52	14.25	14.14	14.19	14.72
Michigan	12.43	9.27	8.28	7.70	7.25	7.28	8.08
Minnesota	NA	9.29	7.26	7.04	NA	NA	8.06
Mississippi	16.49	14.61	NA	11.21	9.47	9.40	10.77
Missouri	18.86	12.52	10.06	9.04	8.26	8.49	10.41
Montana	8.47	7.19	6.61	6.59	6.54	6.52	7.09
Nebraska	11.61	8.56	6.90	6.46	6.17	6.35	7.90
Nevada	13.21	12.24	10.98	10.23	9.91	9.59	9.50
New Hampshire	15.40	11.95	13.07	13.16	13.94	14.24	15.75
New Jersey	12.43	9.95	9.55	9.09	9.15	9.56	9.73
New Mexico	10.32	7.47	5.70	5.66	NA	6.00	6.40
New York	16.06	11.58	12.10	11.95	11.64	11.39	12.61
North Carolina	NA	NA	14.05	14.41	11.62	11.80	12.88
North Dakota	12.54	7.99	6.08	5.67	5.51	5.56	7.00
Ohio	NA	11.12	8.50	7.82	6.99	7.30	9.58
Oklahoma	16.93	11.48	8.41	6.87	6.29	6.70	9.40
Oregon	NA	12.15	10.01	9.84	10.39	10.88	9.97
Pennsylvania	16.44	11.72	11.14	10.90	10.57	10.38	11.70
Rhode Island	17.58	15.09	14.38	13.91	13.79	13.52	15.36
South Carolina	NA	17.16	16.27	14.10	10.84	11.44	13.14
South Dakota	9.91	7.79	6.62	6.83	6.27	6.00	7.29
Tennessee	13.36	NA	9.15	NA	7.61	8.01	9.45
Texas	18.88	15.96	13.23	9.34	8.13	8.32	10.61
Utah	8.89	8.72	NA	8.37	8.20	8.17	7.82
Vermont	17.59	13.18	12.25	11.98	11.29	11.62	13.14
Virginia	16.18	NA	12.42	11.55	10.94	11.90	12.62
Washington	12.99	12.09	11.26	10.28	10.20	10.23	9.82
West Virginia	13.78	11.12	10.04	9.39	9.17	9.10	9.90
Wisconsin	11.56	7.81	6.71	7.03	6.87	6.78	7.68
Wyoming	12.12	9.22	8.01	7.47	7.09	7.04	8.06
Total	15.37	11.85	10.66	9.85	9.12	9.51	10.51

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	14.74	15.64	22.51	23.31	23.15	22.49	21.35
Alaska	10.78	11.08	11.48	12.62	14.78	15.28	13.82
Arizona	11.45	13.75	17.01	20.61	21.62	20.46	18.25
Arkansas	9.78	8.95	18.22	20.57	20.91	19.68	18.27
California	12.74	11.87	12.99	12.66	12.87	13.45	12.62
Colorado	6.21	6.41	7.45	12.82	14.14	13.49	11.32
Connecticut	12.62	13.03	18.52	22.69	24.91	23.91	20.41
Delaware	11.64	13.19	20.63	23.50	24.38	23.29	19.90
District of Columbia	11.25	12.34	18.92	17.32	20.66	21.00	17.79
Florida	19.65	23.60	25.99	25.65	26.77	27.05	25.72
Georgia	10.93	12.38	24.55	28.93	28.33	27.80	27.11
Hawaii	44.37	44.83	45.19	45.36	42.41	43.34	42.98
Idaho	6.17	6.21	6.47	8.35	9.83	9.59	8.89
Illinois	6.60	6.35	9.36	17.82	18.91	18.49	14.85
Indiana	7.24	7.47	11.17	19.56	23.04	20.58	18.97
Iowa	5.99	6.90	9.73	19.16	17.17	17.38	14.20
Kansas	7.69	7.63	9.56	21.50	21.73	20.64	19.23
Kentucky	9.54	9.00	16.38	26.13	26.32	27.08	24.92
Louisiana	10.20	11.17	17.33	17.29	16.60	16.92	16.22
Maine	13.54	13.03	16.18	23.33	27.02	26.11	20.05
Maryland	11.14	11.48	16.86	21.11	21.39	21.20	19.77
Massachusetts	14.42	13.56	13.89	16.20	16.99	16.39	14.66
Michigan	7.55	7.50	8.46	12.88	14.16	13.21	11.47
Minnesota	7.19	7.22	7.50	11.45	13.09	14.66	11.61
Mississippi	9.39	9.47	16.78	17.41	17.52	17.19	17.00
Missouri	8.84	9.56	17.53	25.23	25.21	24.38	20.20
Montana	6.65	6.84	7.58	10.48	12.73	9.87	8.35
Nebraska	6.43	6.91	10.79	15.26	16.21	14.75	12.84
Nevada	9.59	10.70	12.29	14.66	15.55	14.49	12.61
New Hampshire	13.93	15.11	19.15	23.55	24.10	21.56	17.14
New Jersey	9.56	9.92	11.64	12.73	13.49	12.78	11.62
New Mexico	5.22	6.25	10.00	11.88	9.51	9.79	11.45
New York	10.75	12.45	16.89	19.97	20.14	19.86	17.06
North Carolina	11.42	11.42	21.77	25.24	21.88	24.37	19.11
North Dakota	5.68	6.14	8.52	16.57	21.07	19.82	12.14
Ohio	7.45	8.45	15.44	28.78	29.32	27.29	23.29
Oklahoma	6.81	9.11	22.17	27.57	27.68	25.83	20.76
Oregon	10.19	10.15	9.90	12.98	15.37	13.64	6.72
Pennsylvania	10.18	11.08	15.20	19.98	21.15	20.28	18.16
Rhode Island	13.55	15.62	19.61	21.49	21.92	20.92	18.12
South Carolina	11.15	10.57	26.11	24.81	26.22	24.38	24.06
South Dakota	6.33	6.60	8.33	15.70	15.05	12.41	9.70
Tennessee	8.04	8.38	16.19	18.86	20.21	18.55	17.55
Texas	9.17	9.92	21.00	22.27	22.09	20.05	17.53
Utah	8.19	7.25	7.74	9.79	10.09	9.44	7.74
Vermont	11.73	13.12	16.80	21.50	22.91	21.66	17.07
Virginia	11.86	11.77	18.56	20.73	22.50	21.48	19.89
Washington	10.25	10.15	9.30	12.38	15.18	14.27	13.23
West Virginia	9.00	9.36	11.78	18.83	18.54	17.64	18.25
Wisconsin	6.97	7.08	7.76	13.42	14.36	14.30	11.90
Wyoming	7.24	7.54	9.97	17.01	18.08	15.15	9.74
Total	9.30	9.33	12.50	17.61	18.38	17.74	15.55

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	18.65	15.55	14.39	13.88	13.81
Alaska	11.58	11.05	10.39	10.33	10.14
Arizona	16.18	14.33	12.05	11.69	11.70
Arkansas	14.59	10.89	9.77	9.68	10.54
California	12.69	12.95	13.28	13.08	13.50
Colorado	8.74	8.20	7.66	7.57	7.22
Connecticut	17.06	15.30	13.73	13.36	13.18
Delaware	15.77	11.67	10.60	10.06	10.52
District of Columbia	15.72	12.87	11.42	11.70	12.23
Florida	22.95	21.14	20.56	18.19	18.21
Georgia	22.24	14.66	11.71	11.79	11.22
Hawaii	47.85	48.74	43.69	42.74	38.92
Idaho	7.60	6.87	6.11	6.00	6.01
Illinois	10.34	8.46	7.09	7.17	6.84
Indiana	12.32	9.59	7.50	7.34	7.24
Iowa	10.97	8.58	7.83	7.35	7.51
Kansas	14.63	12.53	7.91	7.68	8.08
Kentucky	19.72	12.03	8.64	9.19	8.81
Louisiana	14.23	11.17	10.17	8.94	10.42
Maine	16.05	16.26	15.77	16.42	15.85
Maryland	15.87	14.36	11.47	11.20	11.18
Massachusetts	14.70	15.16	14.68	14.58	14.97
Michigan	9.68	8.44	7.62	7.47	7.27
Minnesota	8.70	8.07	7.63	7.82	8.12
Mississippi	13.96	10.58	9.57	9.45	9.76
Missouri	14.25	10.74	8.64	8.51	8.86
Montana	7.57	7.04	6.49	6.57	6.73
Nebraska	9.78	8.02	6.73	6.92	7.90
Nevada	11.45	9.93	7.87	7.43	7.26
New Hampshire	15.70	14.81	14.66	15.51	16.16
New Jersey	10.54	9.16	9.31	9.27	8.98
New Mexico	6.32	6.21	6.21	5.57	5.61
New York	13.99	12.09	10.86	11.44	12.28
North Carolina	23.46	14.93	10.51	12.54	11.43
North Dakota	8.16	6.62	5.80	5.85	6.32
Ohio	14.63	9.92	7.46	7.26	7.39
Oklahoma	15.65	10.64	7.12	7.04	6.36
Oregon	12.52	11.06	9.15	8.47	9.60
Pennsylvania	14.79	13.38	10.82	10.40	10.30
Rhode Island	16.15	15.14	14.57	14.48	14.70
South Carolina	24.94	14.09	11.71	11.80	10.94
South Dakota	7.74	7.17	6.62	6.74	7.02
Tennessee	14.56	9.91	8.16	8.50	8.46
Texas	15.22	10.46	8.21	8.23	8.15
Utah	7.58	7.69	7.57	7.72	7.58
Vermont	13.71	12.65	11.97	11.77	12.01
Virginia	17.52	13.06	11.40	11.38	10.73
Washington	11.53	10.11	8.94	8.34	8.75
West Virginia	13.36	10.34	9.15	9.09	8.99
Wisconsin	7.82	7.37	7.37	7.18	7.28
Wyoming	8.72	7.68	6.91	7.15	7.03
Total	12.76	10.85	9.42	9.40	9.36

^R Revised data.

^{NA} Not available.

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

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

Table 21. Average price of natural gas sold to commercial consumers, by state, 2019-2021
(dollars per thousand cubic feet)

State	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	11.52	11.93	11.53	11.99	11.58	11.45	11.34
Alaska	9.67	9.83	9.45	9.78	9.65	9.65	9.64
Arizona	7.48	6.81	7.42	8.20	7.80	7.35	6.84
Arkansas	7.16	7.34	7.58	7.96	6.83	7.03	7.27
California	NA	10.00	10.11	NA	12.03	11.79	12.37
Colorado	6.62	5.48	7.11	7.94	6.66	6.31	6.16
Connecticut	9.27	8.65	9.49	10.08	9.60	9.10	8.67
Delaware	9.84	NA	9.29	10.49	9.73	9.83	9.65
District of Columbia	11.52	10.53	11.33	13.91	12.43	10.61	10.35
Florida	NA	NA	11.27	11.64	11.77	11.46	NA
Georgia	7.70	7.43	8.41	8.41	8.31	7.37	7.34
Hawaii	31.96	NA	30.29	32.64	34.29	31.56	29.06
Idaho	5.59	5.48	5.35	5.82	5.63	5.55	5.48
Illinois	NA	5.87	6.59	9.76	NA	5.75	5.95
Indiana	6.51	6.16	6.60	7.75	7.26	5.86	6.27
Iowa	6.60	5.16	6.28	8.74	8.36	6.29	5.10
Kansas	7.37	6.45	7.50	9.23	7.78	6.86	7.03
Kentucky	7.67	7.96	7.90	9.25	8.31	6.83	7.62
Louisiana	8.77	8.59	8.58	9.18	8.50	8.27	9.24
Maine	NA	11.43	13.51	11.92	12.73	12.09	NA
Maryland	10.65	9.94	9.90	11.04	11.25	10.65	10.00
Massachusetts	11.74	11.39	11.63	12.04	11.70	11.58	11.77
Michigan	7.01	6.40	6.56	7.83	7.49	6.65	6.72
Minnesota	6.49	NA	6.90	6.45	6.71	6.50	6.35
Mississippi	NA	NA	8.74	NA	9.18	8.29	NA
Missouri	6.61	6.77	7.25	7.32	6.65	6.40	6.47
Montana	7.44	6.44	6.62	8.47	7.47	7.19	6.94
Nebraska	5.73	5.09	6.11	5.84	5.75	5.61	5.77
Nevada	5.66	7.62	5.46	5.93	5.60	5.59	5.62
New Hampshire	10.93	10.44	12.33	12.36	10.38	10.44	11.21
New Jersey	8.77	8.48	9.10	8.58	9.00	8.80	8.64
New Mexico	NA	NA	4.49	NA	6.11	5.62	5.83
New York	7.54	7.37	7.79	7.84	7.71	7.35	7.37
North Carolina	9.00	8.76	8.75	9.16	9.32	9.37	8.44
North Dakota	5.53	5.15	5.71	5.81	5.65	5.51	5.28
Ohio	5.68	5.31	5.83	6.29	6.09	5.45	5.34
Oklahoma	5.68	5.46	6.10	8.03	5.26	5.27	5.65
Oregon	NA	8.04	7.75	8.96	8.16	7.38	NA
Pennsylvania	8.73	NA	9.01	9.61	9.20	8.50	8.26
Rhode Island	12.06	11.17	12.25	12.48	12.10	11.88	11.95
South Carolina	9.44	8.55	8.84	9.03	10.11	9.15	9.49
South Dakota	NA	5.01	5.49	NA	7.09	5.08	5.26
Tennessee	NA	NA	8.10	8.21	NA	7.39	7.76
Texas	NA	5.54	5.81	6.65	7.19	6.74	NA
Utah	7.15	NA	6.42	6.80	7.26	7.34	7.13
Vermont	6.23	5.65	6.73	5.70	6.45	6.48	6.12
Virginia	8.30	8.18	8.37	8.84	8.81	8.10	7.90
Washington	NA	8.57	6.80	9.29	9.02	8.61	NA
West Virginia	7.64	7.79	7.70	8.12	7.70	7.52	7.52
Wisconsin	NA	5.65	6.36	NA	6.34	6.49	5.57
Wyoming	6.94	6.20	6.00	7.22	6.87	6.85	6.91
Total	7.70	7.16	7.57	8.35	8.02	7.38	7.43

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	12.08	11.32	12.17	12.39	12.38	12.91	12.89
Alaska	NA	9.67	9.82	9.81	10.29	10.57	10.86
Arizona	6.91	6.55	6.81	7.10	7.11	7.02	6.99
Arkansas	7.45	7.59	7.65	6.94	7.82	8.14	7.95
California	9.86	10.96	10.18	9.32	9.29	9.17	9.13
Colorado	6.24	6.26	6.59	7.18	7.82	9.24	9.78
Connecticut	NA	8.63	NA	NA	11.44	11.30	10.72
Delaware	NA	9.99	11.49	12.46	15.18	15.05	14.73
District of Columbia	10.97	10.53	11.95	11.56	12.26	11.91	13.40
Florida	NA	12.06	11.81	11.74	NA	NA	11.32
Georgia	7.58	6.56	8.16	8.20	8.09	8.13	8.48
Hawaii	NA	26.31	25.38	25.28	24.86	26.28	28.14
Idaho	5.59	5.51	5.65	5.53	5.77	6.15	6.37
Illinois	6.85	6.02	6.96	7.61	13.00	15.13	13.96
Indiana	6.86	6.04	7.34	6.87	8.64	11.35	11.67
Iowa	5.80	5.88	6.71	6.09	7.91	7.74	7.64
Kansas	7.52	7.19	8.00	8.20	12.64	13.46	12.89
Kentucky	8.68	7.58	9.01	9.21	12.42	12.83	12.81
Louisiana	NA	9.11	9.75	8.63	NA	7.10	NA
Maine	NA	11.18	11.42	NA	12.13	13.58	13.24
Maryland	10.81	10.44	12.46	12.74	13.17	14.01	12.28
Massachusetts	11.03	11.90	9.56	7.31	10.11	10.36	10.69
Michigan	6.87	6.75	7.06	7.28	8.56	9.66	9.60
Minnesota	NA	6.67	6.80	5.89	7.42	6.80	7.94
Mississippi	NA	8.84	9.76	9.24	9.00	8.43	8.04
Missouri	NA	6.92	7.50	8.71	9.77	NA	9.91
Montana	NA	6.98	7.33	NA	8.77	9.67	8.98
Nebraska	5.33	6.23	5.59	6.00	5.94	5.47	5.27
Nevada	7.25	5.79	6.04	6.74	7.33	7.52	7.75
New Hampshire	11.29	12.04	12.25	14.82	16.72	18.08	16.51
New Jersey	8.80	9.12	9.98	9.53	9.91	9.90	9.96
New Mexico	NA	5.74	5.38	6.17	5.51	6.07	5.05
New York	6.91	7.30	6.64	6.46	6.16	5.69	6.02
North Carolina	NA	8.54	NA	10.39	8.96	8.95	10.73
North Dakota	5.26	5.21	5.44	4.92	5.43	6.49	6.68
Ohio	NA	5.42	5.65	6.21	7.65	7.56	7.25
Oklahoma	6.87	6.54	7.32	11.47	13.33	15.50	12.15
Oregon	NA	8.02	8.26	8.42	9.68	9.77	9.18
Pennsylvania	NA	8.47	8.29	9.76	9.85	12.65	12.05
Rhode Island	12.31	12.30	13.23	16.57	18.52	19.35	17.93
South Carolina	8.57	8.61	9.72	8.70	8.55	8.30	7.80
South Dakota	5.28	5.12	5.35	5.66	5.96	7.31	7.31
Tennessee	NA	7.15	8.12	8.44	8.45	9.19	8.49
Texas	NA	6.87	7.69	7.16	8.09	7.92	7.22
Utah	NA	7.14	6.58	6.75	6.72	6.86	6.53
Vermont	5.46	6.14	5.79	4.67	5.55	4.32	4.15
Virginia	NA	8.23	NA	8.05	8.92	8.64	8.81
Washington	8.80	8.99	8.75	8.59	9.71	9.33	9.90
West Virginia	8.12	7.49	7.79	8.76	9.87	10.81	10.73
Wisconsin	NA	6.00	6.13	NA	5.96	6.28	5.91
Wyoming	NA	6.53	6.42	7.16	7.83	NA	7.55
Total	7.48	7.42	7.66	7.62	8.47	8.51	8.50

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	12.79	12.58	12.45	11.80	11.77	11.99	11.87
Alaska	NA	10.30	9.91	9.80	9.79	9.84	9.89
Arizona	7.11	7.98	7.37	6.81	6.69	6.63	7.29
Arkansas	7.88	7.19	7.10	7.24	7.33	7.53	7.68
California	9.09	9.62	9.58	9.64	10.09	10.47	9.41
Colorado	8.61	6.69	5.72	5.47	5.35	5.51	6.92
Connecticut	12.17	9.35	9.57	8.53	8.56	8.30	9.75
Delaware	13.88	11.97	NA	10.48	NA	9.87	10.04
District of Columbia	12.22	10.99	11.69	9.84	10.24	10.85	11.23
Florida	11.15	NA	10.92	NA	11.13	NA	11.46
Georgia	8.34	8.28	8.26	7.18	7.12	7.53	8.21
Hawaii	26.88	23.80	22.47	NA	31.23	30.57	30.26
Idaho	5.91	5.99	5.78	5.49	5.41	5.41	5.44
Illinois	11.50	8.34	6.71	6.09	5.58	5.61	7.02
Indiana	11.73	8.20	6.40	6.49	5.71	6.30	6.97
Iowa	7.05	6.93	5.24	5.31	4.94	5.23	6.03
Kansas	11.83	11.21	7.78	6.75	5.88	6.34	7.68
Kentucky	12.54	11.25	8.84	8.22	7.36	8.06	8.60
Louisiana	6.88	7.55	7.57	8.23	8.66	9.43	8.41
Maine	11.66	10.53	10.72	10.82	12.26	11.50	12.62
Maryland	11.85	11.74	9.74	10.43	9.46	10.06	10.14
Massachusetts	9.71	10.75	11.74	11.36	11.29	11.31	11.32
Michigan	9.20	7.77	7.15	6.46	6.18	6.22	6.81
Minnesota	NA	6.70	5.77	5.86	NA	NA	6.63
Mississippi	8.03	8.17	NA	9.06	8.33	8.30	8.48
Missouri	9.19	7.93	7.07	6.77	6.64	6.76	7.67
Montana	8.15	6.95	6.44	6.48	6.40	6.45	6.89
Nebraska	5.09	4.61	4.73	4.98	5.08	5.37	5.83
Nevada	8.51	8.62	8.04	7.82	7.57	7.34	6.49
New Hampshire	12.65	9.55	10.12	9.88	10.56	10.95	12.48
New Jersey	7.81	8.30	7.98	8.67	8.43	8.62	9.05
New Mexico	4.44	3.76	3.61	3.97	NA	4.71	4.56
New York	6.05	6.13	6.83	7.45	7.45	7.58	7.21
North Carolina	NA	9.65	9.84	9.67	8.27	8.35	8.76
North Dakota	5.73	5.17	4.84	5.08	5.21	5.31	5.67
Ohio	NA	6.33	5.31	5.40	5.20	5.35	5.97
Oklahoma	11.47	8.94	6.86	5.47	5.11	5.28	7.28
Oregon	NA	8.79	7.80	7.80	8.06	8.32	7.88
Pennsylvania	NA	NA	8.64	NA	8.78	8.69	9.49
Rhode Island	14.92	12.41	11.67	11.23	11.18	10.84	12.87
South Carolina	7.83	8.49	9.33	8.71	8.10	8.51	8.58
South Dakota	6.17	5.52	5.01	5.24	4.98	4.89	5.50
Tennessee	7.83	NA	7.46	NA	7.27	7.67	8.10
Texas	NA	7.07	6.02	5.63	5.20	5.55	6.18
Utah	6.59	6.60	NA	7.02	6.92	6.89	6.35
Vermont	4.76	5.73	5.28	5.70	5.77	5.73	6.01
Virginia	9.33	7.88	7.88	8.03	7.81	8.80	8.53
Washington	8.84	9.08	9.25	8.59	8.33	8.45	7.49
West Virginia	9.84	9.00	8.31	7.85	7.68	7.65	8.02
Wisconsin	6.18	4.96	5.06	5.66	5.82	5.74	6.14
Wyoming	7.10	6.70	6.44	6.18	6.08	6.17	6.30
Total	8.19	7.74	7.28	7.32	6.87	7.25	7.61

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	11.82	11.78	12.66	12.77	12.78	12.69	12.28
Alaska	9.99	10.09	10.32	10.77	11.19	11.14	10.54
Arizona	6.73	6.90	7.18	7.27	7.41	7.35	7.53
Arkansas	6.90	6.75	8.35	8.80	9.34	9.08	9.04
California	10.01	8.79	8.73	8.69	8.89	8.88	8.32
Colorado	5.74	5.87	6.43	8.71	8.90	8.80	8.19
Connecticut	8.11	8.52	10.71	11.35	12.08	12.05	11.74
Delaware	10.05	10.51	12.22	12.69	12.42	12.72	11.32
District of Columbia	9.88	11.19	11.10	10.56	12.22	12.43	12.12
Florida	11.29	11.60	11.47	11.52	11.35	11.84	12.09
Georgia	7.27	7.60	8.53	8.50	8.60	8.82	8.57
Hawaii	28.35	32.09	31.07	30.33	28.26	28.65	29.61
Idaho	5.40	5.40	5.24	5.66	6.00	5.99	6.10
Illinois	5.74	5.64	7.44	12.89	12.77	12.82	11.57
Indiana	6.28	6.19	6.81	9.43	11.44	11.17	10.66
Iowa	4.99	5.34	5.36	7.25	7.50	7.01	7.14
Kansas	6.49	6.28	7.74	11.52	12.60	11.82	10.92
Kentucky	7.94	7.53	10.29	11.80	12.27	13.07	12.99
Louisiana	8.68	8.24	8.35	8.22	7.49	8.03	8.38
Maine	11.14	10.24	10.70	12.20	12.99	13.36	12.20
Maryland	9.60	9.22	10.40	12.43	11.96	11.49	12.46
Massachusetts	11.69	10.36	9.42	10.25	10.43	10.42	10.53
Michigan	6.49	6.49	6.93	9.08	9.57	9.54	8.35
Minnesota	6.24	5.88	5.38	6.87	7.42	7.98	7.51
Mississippi	8.31	8.13	8.76	7.74	7.73	7.85	8.16
Missouri	6.88	7.63	9.28	10.00	10.14	10.31	9.73
Montana	6.53	6.67	7.08	8.89	7.81	8.57	7.89
Nebraska	5.32	4.92	5.27	5.53	5.94	6.08	5.85
Nevada	7.24	7.50	7.72	8.08	8.19	7.66	6.90
New Hampshire	11.02	11.70	13.85	16.76	17.12	16.11	13.41
New Jersey	8.74	9.47	8.92	9.18	9.07	8.85	9.53
New Mexico	4.03	4.68	5.41	5.41	4.37	5.21	5.65
New York	6.98	6.61	6.72	6.02	6.01	6.18	6.59
North Carolina	8.68	7.85	9.08	9.32	8.53	10.11	9.14
North Dakota	5.29	5.26	5.30	6.27	7.02	7.10	6.35
Ohio	5.39	5.45	6.40	7.54	7.36	7.54	7.24
Oklahoma	5.45	7.33	13.77	15.07	16.33	14.74	13.08
Oregon	8.08	7.92	7.95	8.75	9.35	8.61	4.33
Pennsylvania	8.55	8.67	10.88	11.83	12.33	12.45	12.25
Rhode Island	10.79	13.11	17.15	18.39	19.19	18.65	15.56
South Carolina	8.76	7.92	8.73	7.55	8.16	9.09	8.52
South Dakota	5.01	5.14	5.41	7.20	7.18	6.75	6.00
Tennessee	7.55	7.07	8.59	9.11	9.02	8.40	9.00
Texas	5.94	5.84	7.51	7.39	7.23	6.93	6.50
Utah	6.91	6.00	5.91	6.51	6.61	6.28	5.72
Vermont	5.79	5.68	4.69	4.81	4.71	4.72	5.39
Virginia	8.50	7.89	9.12	9.18	9.88	9.05	10.34
Washington	8.36	8.35	7.26	8.25	8.60	8.43	8.19
West Virginia	7.49	7.62	8.76	10.32	10.21	10.17	10.55
Wisconsin	5.96	5.94	5.56	6.29	6.00	6.41	5.81
Wyoming	6.21	6.22	6.89	7.94	7.95	7.51	6.64
Total	7.19	6.98	7.64	8.34	8.42	8.47	8.23

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	12.08	11.82	11.54	11.47	11.42
Alaska	9.69	9.56	9.53	9.41	9.39
Arizona	7.54	7.43	7.35	7.45	7.44
Arkansas	8.53	7.66	7.47	7.48	7.74
California	8.42	9.51	10.49	9.89	10.40
Colorado	7.29	7.24	7.23	7.17	6.88
Connecticut	10.90	10.47	9.44	9.35	9.10
Delaware	11.03	9.60	9.53	9.14	9.05
District of Columbia	11.79	11.83	11.02	11.14	11.52
Florida	11.65	11.69	11.20	11.27	10.98
Georgia	8.56	8.12	7.77	7.90	9.29
Hawaii	33.98	34.52	30.85	29.48	26.56
Idaho	5.84	5.63	5.30	5.30	5.32
Illinois	9.24	7.53	6.38	6.63	6.36
Indiana	8.89	7.83	6.41	6.44	6.48
Iowa	7.09	6.21	6.38	6.03	6.45
Kansas	9.92	11.75	6.92	6.86	7.41
Kentucky	11.50	9.44	7.53	7.86	7.70
Louisiana	8.67	8.35	8.38	8.16	9.32
Maine	11.85	13.05	13.21	13.86	13.70
Maryland	10.87	12.00	9.47	10.47	9.18
Massachusetts	11.27	11.62	11.65	11.46	11.80
Michigan	7.55	7.01	6.58	6.51	6.41
Minnesota	6.66	6.51	6.54	7.11	7.16
Mississippi	8.71	8.46	8.51	8.72	9.08
Missouri	8.42	7.51	7.19	7.04	7.42
Montana	7.92	6.92	6.48	6.51	6.72
Nebraska	5.50	5.72	5.64	6.10	6.90
Nevada	6.68	6.19	5.36	5.24	5.38
New Hampshire	12.51	11.75	11.77	12.56	13.03
New Jersey	8.41	7.86	8.99	9.13	9.73
New Mexico	4.35	3.51	4.79	4.59	4.69
New York	7.12	7.17	7.45	7.88	8.44
North Carolina	9.48	9.28	7.77	9.46	8.77
North Dakota	5.55	5.41	5.46	5.70	6.15
Ohio	6.51	6.12	5.59	5.70	6.00
Oklahoma	10.99	8.49	6.04	5.92	5.30
Oregon	8.68	8.24	7.71	7.39	7.94
Pennsylvania	14.18	9.78	9.16	9.02	8.56
Rhode Island	13.46	12.44	12.21	12.13	12.30
South Carolina	8.38	8.64	8.40	9.05	9.10
South Dakota	5.49	5.27	5.24	5.48	5.86
Tennessee	9.13	8.09	7.68	8.29	8.26
Texas	6.38	5.74	5.68	5.87	5.92
Utah	5.76	6.28	6.42	6.50	6.41
Vermont	6.24	6.68	6.57	6.65	6.98
Virginia	8.23	8.95	8.03	8.51	8.29
Washington	7.58	7.35	6.75	6.62	6.74
West Virginia	9.68	8.30	7.65	7.67	7.55
Wisconsin	5.32	5.82	6.36	6.44	6.52
Wyoming	6.27	6.04	5.85	6.09	6.04
Total	8.06	7.73	7.41	7.55	7.67

^{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, 2019-2021
(dollars per thousand cubic feet)

State	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	4.39	3.56	4.39	3.77	4.11	5.48	4.23
Alaska	NA	5.93	6.04	NA	5.32	5.88	5.78
Arizona	NA	3.46	4.87	5.55	5.85	NA	4.70
Arkansas	6.85	6.06	6.35	6.64	6.66	7.03	6.99
California	9.66	8.14	8.66	8.80	9.87	9.63	10.33
Colorado	NA	4.13	5.77	NA	4.98	4.95	4.70
Connecticut	NA	6.15	7.34	NA	6.95	7.06	6.78
Delaware	10.37	10.07	9.40	10.27	9.68	10.86	10.48
District of Columbia	--	--	--	--	--	--	--
Florida	5.82	NA	6.66	5.96	5.78	5.51	6.02
Georgia	4.55	3.55	4.79	4.45	4.70	4.73	4.35
Hawaii	26.21	22.61	21.05	28.76	26.57	23.93	24.51
Idaho	3.72	3.63	3.61	3.74	3.76	3.71	3.68
Illinois	NA	4.36	5.58	NA	NA	4.33	4.69
Indiana	NA	5.00	5.81	NA	5.91	6.87	5.37
Iowa	6.19	4.10	5.42	5.93	6.45	7.43	4.80
Kansas	NA	NA	6.43	NA	6.83	NA	5.44
Kentucky	NA	3.50	4.61	NA	4.65	4.38	4.20
Louisiana	3.42	2.73	4.16	3.55	3.76	2.97	3.59
Maine	9.06	8.90	10.92	8.91	9.06	9.07	9.21
Maryland	NA	9.05	10.33	NA	10.16	7.58	6.83
Massachusetts	10.37	10.19	10.92	10.47	10.28	10.27	10.47
Michigan	NA	5.75	5.93	NA	NA	5.96	6.05
Minnesota	4.39	NA	4.94	3.92	5.35	4.38	4.05
Mississippi	4.90	3.98	5.56	4.60	4.92	5.05	5.02
Missouri	5.94	6.10	6.69	6.00	6.07	5.89	5.86
Montana	6.33	5.80	6.05	6.74	6.48	6.32	5.82
Nebraska	4.29	3.94	4.83	4.40	4.39	4.07	4.34
Nevada	4.82	6.66	4.60	4.91	4.79	4.79	4.81
New Hampshire	9.23	8.81	10.31	9.86	8.72	9.02	9.61
New Jersey	7.27	NA	8.27	7.02	7.84	6.58	7.68
New Mexico	4.94	NA	3.92	5.48	4.64	4.62	4.84
New York	7.78	8.04	8.62	7.61	8.12	7.68	7.70
North Carolina	6.07	5.23	6.38	5.75	6.26	6.19	6.03
North Dakota	4.93	NA	3.60	2.50	2.88	12.56	2.57
Ohio	NA	NA	6.11	NA	6.50	5.94	5.98
Oklahoma	NA	1.80	3.05	3.18	NA	3.42	3.16
Oregon	NA	4.96	4.60	4.75	NA	3.88	4.86
Pennsylvania	8.09	7.90	9.41	8.04	7.98	8.31	7.99
Rhode Island	9.36	8.78	9.71	9.69	9.34	9.25	9.23
South Carolina	4.82	3.90	5.32	3.99	4.75	5.46	5.09
South Dakota	NA	4.02	4.84	NA	5.01	NA	4.27
Tennessee	4.67	NA	5.42	4.47	4.84	4.76	4.59
Texas	5.07	2.06	3.31	2.84	3.04	15.72	2.75
Utah	5.62	NA	5.41	5.37	5.71	5.64	5.77
Vermont	4.27	3.70	4.52	4.61	4.30	4.23	4.05
Virginia	4.31	NA	4.51	4.30	4.48	4.32	4.14
Washington	NA	NA	6.46	8.10	9.18	8.28	NA
West Virginia	3.06	NA	3.60	2.72	3.27	3.45	2.75
Wisconsin	NA	4.65	5.42	NA	5.45	5.31	4.99
Wyoming	NA	NA	3.98	NA	4.82	4.57	NA
Total	5.30	3.40	4.51	3.97	4.37	4.94	4.04

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	3.48	4.16	4.04	3.43	3.44	3.23	2.83
Alaska	NA	6.07	5.96	5.83	3.23	3.50	NA
Arizona	3.98	4.56	4.78	4.43	4.53	3.65	4.09
Arkansas	NA	6.98	6.56	5.71	NA	6.43	5.89
California	7.64	8.98	7.96	7.19	6.99	6.76	6.77
Colorado	4.94	5.07	5.12	6.07	5.80	6.40	6.61
Connecticut	NA	6.61	NA	6.24	6.48	6.03	5.77
Delaware	NA	NA	10.68	10.95	11.78	10.12	11.81
District of Columbia	--	--	--	--	--	--	--
Florida	NA	6.20	5.39	NA	NA	NA	5.65
Georgia	NA	4.71	4.26	3.87	4.05	NA	2.67
Hawaii	20.54	20.37	19.44	18.80	20.28	20.67	20.27
Idaho	3.65	3.70	3.70	3.73	3.58	3.58	3.58
Illinois	NA	4.73	4.88	5.23	NA	NA	3.23
Indiana	5.40	5.31	5.90	5.04	5.92	6.37	6.72
Iowa	4.31	4.96	5.44	4.39	4.72	4.00	3.49
Kansas	NA	5.63	4.52	3.76	3.40	3.41	2.89
Kentucky	3.43	4.32	4.03	3.06	3.44	2.89	2.64
Louisiana	NA	3.86	2.83	NA	NA	NA	2.33
Maine	7.86	9.93	9.72	6.08	5.95	4.65	4.59
Maryland	NA	NA	8.64	8.82	10.30	8.98	6.74
Massachusetts	NA	10.45	NA	6.01	7.15	6.15	7.44
Michigan	NA	5.93	NA	6.37	5.94	6.88	6.26
Minnesota	NA	4.48	4.60	3.36	3.69	NA	3.50
Mississippi	4.00	5.02	4.81	3.94	3.66	3.60	3.54
Missouri	5.71	5.74	5.64	5.49	5.15	4.90	4.96
Montana	5.93	6.02	6.18	5.96	5.91	6.43	6.70
Nebraska	3.70	4.73	3.51	3.67	3.34	3.16	3.22
Nevada	6.06	4.95	5.04	5.46	5.86	5.86	6.14
New Hampshire	8.31	9.88	8.84	7.37	7.18	7.00	6.14
New Jersey	NA	7.74	7.38	NA	NA	6.95	NA
New Mexico	NA	4.45	4.03	4.02	2.56	2.88	2.55
New York	NA	7.99	7.36	NA	NA	6.16	6.25
North Carolina	5.14	5.60	5.18	4.84	4.88	4.84	4.94
North Dakota	NA	2.63	2.93	2.10	2.05	1.73	1.66
Ohio	NA	6.49	NA	6.33	5.79	5.67	5.11
Oklahoma	NA	3.37	3.45	2.42	2.76	2.18	NA
Oregon	NA	4.89	4.73	5.31	5.13	4.84	4.59
Pennsylvania	7.91	7.84	7.76	8.24	8.60	7.95	8.05
Rhode Island	NA	8.90	9.29	9.70	10.06	NA	9.17
South Carolina	3.91	4.76	4.73	3.93	4.14	3.40	3.44
South Dakota	4.40	4.67	4.99	5.35	5.66	5.51	5.34
Tennessee	NA	4.54	4.29	3.63	3.64	3.17	3.19
Texas	2.29	3.00	3.09	2.46	2.61	2.15	1.72
Utah	NA	5.71	5.32	4.91	4.90	4.76	4.92
Vermont	3.73	4.11	4.18	3.63	3.94	3.52	3.34
Virginia	NA	4.43	3.87	3.68	3.91	3.46	3.57
Washington	NA	7.48	7.62	NA	NA	7.60	7.63
West Virginia	NA	2.65	2.54	2.29	2.16	2.09	1.73
Wisconsin	4.38	4.90	4.91	3.74	3.78	4.30	2.73
Wyoming	NA	4.23	4.58	4.08	4.31	4.48	3.91
Total	3.29	4.07	3.93	3.25	3.16	2.92	2.55

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	2.93	3.07	3.03	3.56	3.73	3.83	3.95
Alaska	5.44	4.74	5.54	6.25	6.04	5.72	5.85
Arizona	4.48	3.80	3.77	3.03	3.50	3.53	4.12
Arkansas	5.50	5.12	5.58	6.00	6.13	6.46	6.25
California	6.86	6.69	7.26	7.77	8.35	9.02	7.69
Colorado	7.33	4.45	4.29	4.27	4.08	3.98	5.36
Connecticut	6.24	5.43	6.35	6.14	6.09	6.05	6.82
Delaware	11.51	11.77	10.66	10.45	9.88	9.74	9.67
District of Columbia	--	--	--	--	--	--	--
Florida	5.27	NA	5.46	NA	5.91	NA	6.16
Georgia	3.20	NA	3.25	3.41	3.58	3.85	4.23
Hawaii	18.43	16.78	18.52	21.57	24.91	25.02	22.93
Idaho	3.77	3.65	3.69	3.65	3.52	3.67	3.60
Illinois	NA	4.44	4.82	4.18	4.31	4.36	5.25
Indiana	6.91	5.94	4.80	5.09	5.00	5.05	5.76
Iowa	3.46	3.95	3.76	3.99	3.95	4.59	4.93
Kansas	3.09	3.08	3.73	4.60	4.99	NA	3.97
Kentucky	2.84	3.36	3.25	3.30	3.63	3.74	4.06
Louisiana	2.24	2.18	2.42	2.55	2.82	3.07	3.36
Maine	6.02	5.64	9.45	8.72	8.87	8.79	8.67
Maryland	7.34	7.88	7.73	9.12	8.55	10.11	10.07
Massachusetts	7.30	9.67	10.41	10.10	10.05	10.26	9.92
Michigan	6.79	6.08	6.17	5.74	5.65	5.64	6.01
Minnesota	3.73	3.87	3.54	3.91	NA	NA	4.44
Mississippi	3.45	3.75	3.85	3.98	3.90	4.15	4.70
Missouri	5.14	5.14	5.82	5.96	6.11	6.37	6.20
Montana	5.73	6.06	5.97	5.66	5.93	5.67	5.85
Nebraska	3.20	3.12	3.52	3.71	4.12	4.31	4.27
Nevada	6.38	6.75	6.67	6.84	6.65	6.50	5.81
New Hampshire	5.58	6.35	7.85	8.25	9.26	9.62	9.45
New Jersey	6.12	6.36	6.06	6.94	NA	NA	7.63
New Mexico	1.96	NA	2.08	3.22	NA	3.99	3.48
New York	6.09	6.45	7.41	8.22	7.94	8.45	7.70
North Carolina	5.07	4.88	5.08	5.17	5.29	5.30	5.78
North Dakota	1.75	1.93	1.66	1.91	2.19	NA	2.82
Ohio	5.53	5.30	5.00	NA	5.07	5.62	6.21
Oklahoma	2.01	1.97	1.43	1.78	1.98	1.98	2.50
Oregon	NA	4.82	4.72	4.94	5.04	5.07	4.62
Pennsylvania	8.16	7.63	7.67	7.86	7.99	7.95	8.52
Rhode Island	9.09	9.50	9.38	9.15	8.88	8.14	9.70
South Carolina	3.23	3.46	3.56	3.75	4.03	4.19	4.67
South Dakota	4.73	4.38	3.88	3.93	3.99	4.17	4.78
Tennessee	3.31	NA	3.77	NA	4.37	4.60	4.68
Texas	1.87	1.97	1.84	2.02	2.08	2.30	2.88
Utah	4.73	4.68	4.91	NA	5.38	5.63	5.00
Vermont	3.47	3.66	3.48	3.73	3.73	3.81	4.13
Virginia	3.72	NA	3.59	3.54	NA	NA	4.66
Washington	7.52	8.06	8.15	NA	NA	8.01	6.86
West Virginia	2.07	2.33	NA	2.52	2.68	NA	3.04
Wisconsin	3.91	3.67	4.27	4.88	4.75	4.59	5.06
Wyoming	3.90	4.36	4.28	NA	4.67	3.99	3.91
Total	2.72	2.86	2.96	3.34	3.54	3.66	3.90

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	4.07	3.96	3.63	3.63	3.39	3.49	3.66
Alaska	5.73	5.98	6.00	6.05	5.36	5.47	5.42
Arizona	3.64	3.58	3.93	3.73	3.52	5.11	3.30
Arkansas	5.75	5.63	6.83	6.11	6.63	6.68	6.36
California	8.58	7.16	6.97	6.78	6.97	6.96	6.60
Colorado	4.32	4.31	5.20	5.73	5.78	5.81	5.86
Connecticut	6.14	5.88	6.01	6.14	6.67	6.66	7.34
Delaware	9.93	10.60	9.88	9.14	10.30	8.19	10.69
District of Columbia	--	--	--	--	--	--	--
Florida	5.95	5.80	5.65	6.49	5.88	5.89	5.71
Georgia	4.03	4.05	3.91	3.74	3.72	3.86	4.02
Hawaii	23.54	36.52	23.56	21.06	20.85	16.86	23.52
Idaho	3.61	3.48	3.55	3.59	3.69	3.63	3.64
Illinois	4.13	4.08	4.98	5.72	5.88	12.44	7.03
Indiana	5.35	5.12	4.78	6.10	6.77	7.11	6.82
Iowa	4.84	4.73	4.69	4.61	4.11	4.35	4.75
Kansas	4.95	4.43	4.17	3.55	3.49	3.44	4.10
Kentucky	3.89	4.00	3.57	3.27	3.46	3.63	3.93
Louisiana	3.19	3.06	2.86	2.65	2.79	3.11	3.14
Maine	8.81	8.51	5.70	5.68	5.75	5.74	6.71
Maryland	10.42	8.87	10.08	10.84	10.27	7.14	11.12
Massachusetts	10.04	8.95	7.58	7.67	8.76	8.39	8.82
Michigan	5.91	5.81	6.02	6.79	6.96	6.89	6.39
Minnesota	4.61	4.79	3.32	3.69	3.79	3.63	4.14
Mississippi	4.77	4.47	4.20	3.96	4.03	4.10	4.32
Missouri	5.94	5.83	5.58	5.35	5.55	5.57	5.78
Montana	5.84	5.82	5.58	5.54	5.04	5.64	5.74
Nebraska	4.33	3.82	3.70	3.69	3.79	4.03	3.81
Nevada	6.23	7.90	7.34	6.72	6.84	6.40	5.98
New Hampshire	13.88	8.36	6.57	6.47	6.73	6.47	6.52
New Jersey	6.99	7.88	6.67	6.06	5.90	7.09	6.62
New Mexico	3.64	3.96	3.69	3.62	3.45	3.20	2.61
New York	7.46	7.06	6.04	6.14	5.92	6.69	6.54
North Carolina	5.36	5.16	5.13	5.19	5.32	5.48	5.58
North Dakota	3.04	2.96	2.82	2.07	2.11	2.19	2.30
Ohio	5.85	6.15	9.49	5.19	4.83	5.73	5.85
Oklahoma	2.32	2.52	2.08	1.99	1.90	2.27	2.12
Oregon	4.88	4.86	4.49	4.48	4.43	4.19	4.62
Pennsylvania	8.55	6.00	6.34	10.28	11.66	9.28	9.31
Rhode Island	8.17	9.34	9.73	9.70	10.28	10.44	10.13
South Carolina	4.42	5.22	3.04	5.19	3.85	4.14	4.35
South Dakota	4.18	4.07	9.65	6.21	5.39	4.82	4.55
Tennessee	4.89	4.59	3.93	3.74	3.66	3.97	4.20
Texas	2.54	2.78	2.56	2.55	2.40	2.61	2.84
Utah	5.68	4.92	4.55	4.48	4.51	4.55	4.45
Vermont	4.03	3.99	3.60	3.82	3.72	3.83	4.02
Virginia	8.79	3.80	3.60	3.91	8.09	4.07	4.47
Washington	8.44	7.98	4.17	7.19	7.32	7.49	7.76
West Virginia	2.99	3.09	2.47	2.49	2.46	2.61	2.96
Wisconsin	5.06	5.20	4.66	4.61	4.46	3.94	4.27
Wyoming	3.78	3.87	4.21	4.13	3.97	3.36	3.75
Total	3.88	3.86	3.42	3.34	3.20	3.34	3.54

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	3.71	3.99	4.25	4.45	4.79
Alaska	5.66	5.68	6.11	6.19	6.10
Arizona	3.32	4.61	4.82	5.02	4.97
Arkansas	5.98	6.04	6.34	6.39	6.57
California	6.81	7.86	9.01	8.61	9.12
Colorado	5.69	5.43	5.73	6.04	5.75
Connecticut	7.34	7.42	7.54	7.24	7.22
Delaware	12.50	10.22	9.10	9.21	9.46
District of Columbia	--	--	--	--	--
Florida	5.64	5.92	6.49	6.61	7.62
Georgia	4.06	4.43	4.51	4.81	5.36
Hawaii	23.62	22.48	21.11	20.77	19.84
Idaho	3.62	3.61	3.64	3.62	3.58
Illinois	4.37	6.09	6.00	5.29	5.35
Indiana	6.21	5.90	5.73	5.71	5.92
Iowa	4.74	4.94	5.57	5.36	5.66
Kansas	4.67	5.38	6.30	7.00	7.56
Kentucky	3.95	4.11	3.89	5.37	5.26
Louisiana	3.22	3.45	3.63	4.33	5.12
Maine	6.95	10.69	10.89	11.02	11.00
Maryland	9.82	11.75	9.88	11.34	9.72
Massachusetts	9.79	11.05	10.67	10.90	11.10
Michigan	6.41	6.13	5.82	5.99	5.88
Minnesota	4.21	4.18	4.59	5.19	5.51
Mississippi	3.85	5.31	4.95	5.65	6.22
Missouri	5.83	6.36	6.61	6.62	7.05
Montana	5.68	6.08	5.91	6.12	6.14
Nebraska	3.95	4.49	4.21	4.89	5.75
Nevada	5.58	5.17	4.65	4.32	4.37
New Hampshire	8.03	9.25	9.34	11.19	11.49
New Jersey	6.49	6.88	7.85	8.34	9.33
New Mexico	2.13	2.93	4.08	4.66	4.76
New York	7.34	7.85	8.28	8.95	9.15
North Carolina	5.56	5.65	5.79	6.86	6.99
North Dakota	2.36	2.72	3.38	3.78	4.47
Ohio	6.13	5.95	6.07	6.32	6.02
Oklahoma	2.19	2.24	2.87	3.26	3.80
Oregon	4.94	4.30	4.62	4.77	4.67
Pennsylvania	9.51	9.62	9.31	9.18	9.59
Rhode Island	10.17	10.02	9.62	9.59	9.70
South Carolina	4.26	4.93	5.04	5.21	6.02
South Dakota	4.52	4.20	5.14	4.66	5.13
Tennessee	4.37	4.80	5.26	5.55	5.92
Texas	2.85	2.95	3.05	3.27	3.92
Utah	4.43	5.08	5.54	5.42	5.57
Vermont	4.03	4.32	4.43	4.48	4.80
Virginia	3.93	4.22	4.33	4.27	5.12
Washington	7.02	6.91	6.84	6.70	5.46
West Virginia	2.91	3.20	3.53	3.53	4.07
Wisconsin	4.36	4.73	5.58	5.37	5.74
Wyoming	3.85	3.63	3.83	4.22	4.14
Total	3.64	3.99	4.31	4.62	5.02

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

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

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2019-2021
(dollars per thousand cubic feet)

State	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	W	W	W	W	W	W	W
Alaska	6.96	7.87	7.75	6.40	6.00	7.54	7.82
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	4.35	2.90	W	3.78	3.94	5.75	3.99
Colorado	W	W	W	W	W	W	W
Connecticut	4.51	2.82	4.86	2.93	3.84	6.38	4.73
Delaware	--	W	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	3.37	2.26	13.22	3.21	2.81	4.62	2.77
Illinois	W	W	W	W	W	W	W
Indiana	W	W	W	2.91	W	8.16	W
Iowa	4.52	2.10	3.94	2.56	2.60	11.31	2.40
Kansas	21.48	2.41	3.97	3.31	10.69	64.02	3.69
Kentucky	W	W	W	W	3.28	W	W
Louisiana	W	W	W	W	W	W	W
Maine	--	W	W	--	--	--	--
Maryland	3.74	W	3.89	2.97	3.10	5.99	3.50
Massachusetts	W	W	W	2.81	W	7.63	6.67
Michigan	W	2.08	3.20	2.90	3.10	W	2.90
Minnesota	W	W	W	W	W	W	3.86
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	2.99	1.54	2.26	2.75	2.56	4.06	2.42
Nebraska	22.57	4.77	3.89	4.12	5.26	55.68	4.76
Nevada	3.78	2.77	4.28	3.32	3.62	4.51	3.74
New Hampshire	W	W	W	3.15	W	W	W
New Jersey	3.32	2.22	3.71	2.28	2.48	5.29	3.08
New Mexico	8.51	1.03	1.75	3.52	3.38	24.82	3.25
New York	3.76	2.49	4.31	2.60	3.14	5.46	3.59
North Carolina	W	W	W	W	W	W	W
North Dakota	4.36	2.71	4.51	3.43	2.97	8.40	3.05
Ohio	3.04	1.89	3.03	2.64	2.66	4.17	2.70
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.81	1.83	3.06	2.22	2.44	3.89	2.60
Rhode Island	W	W	W	W	W	W	W
South Carolina	3.81	2.78	3.66	3.30	4.15	4.48	3.56
South Dakota	2.59	--	--	2.59	--	--	--
Tennessee	3.17	2.43	3.24	3.17	3.05	3.79	2.78
Texas	17.68	1.85	2.86	3.00	2.92	56.54	2.79
Utah	3.77	2.67	4.42	3.01	3.51	4.91	3.74
Vermont	--	--	--	--	--	--	--
Virginia	3.57	2.99	W	2.92	3.30	4.54	3.64
Washington	W	W	W	W	W	W	W
West Virginia	W	W	W	W	W	W	W
Wisconsin	W	W	3.40	W	W	W	W
Wyoming	W	W	W	W	W	52.15	W
Total	6.54	2.43	3.65	3.14	3.41	16.29	3.33

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	W	W	W	W	W	W	W
Alaska	7.85	7.82	7.82	7.82	7.82	7.82	7.86
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	3.38	4.14	4.14	3.73	3.92	W	2.50
Colorado	W	W	W	W	W	W	W
Connecticut	2.42	4.31	2.76	2.09	1.76	1.88	1.81
Delaware	W	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W
Georgia	2.40	W	W	W	2.44	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	2.75	3.43	3.58	3.87	2.70	2.37	1.91
Illinois	1.97	W	W	W	W	W	1.89
Indiana	2.16	2.73	2.53	2.25	2.12	2.36	W
Iowa	2.10	2.55	2.61	2.37	2.15	2.15	1.87
Kansas	2.64	3.45	3.34	2.50	2.71	2.74	2.52
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	W	--	--	W	W	W	W
Maryland	2.42	3.75	W	2.13	W	2.49	2.17
Massachusetts	3.41	W	W	2.29	1.84	2.15	2.88
Michigan	2.16	2.76	2.66	2.16	2.10	2.37	1.99
Minnesota	2.84	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	1.80	2.27	2.34	1.82	1.92	2.08	1.64
Nebraska	3.40	5.45	5.11	3.29	2.97	2.86	2.44
Nevada	2.76	3.66	3.78	2.74	3.11	2.56	2.16
New Hampshire	W	W	W	W	W	W	W
New Jersey	1.83	2.84	1.51	1.39	1.42	1.54	1.72
New Mexico	1.65	3.13	2.50	1.65	1.76	1.64	1.65
New York	2.17	3.65	2.52	1.81	1.76	1.85	1.82
North Carolina	W	W	W	W	W	W	W
North Dakota	2.70	3.49	2.77	2.41	2.75	2.99	2.57
Ohio	1.96	2.63	2.25	1.95	1.93	1.97	1.75
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	1.68	2.34	1.63	1.35	1.34	1.53	1.65
Rhode Island	W	W	W	W	W	W	W
South Carolina	2.78	3.43	3.17	2.97	2.71	2.83	2.45
South Dakota	--	--	--	--	--	--	--
Tennessee	2.37	2.27	2.80	2.55	2.48	2.36	2.05
Texas	2.11	2.82	2.76	2.36	2.19	2.31	1.91
Utah	2.63	3.55	3.70	2.77	2.88	2.22	1.93
Vermont	--	--	--	--	--	--	--
Virginia	2.49	3.34	2.63	1.97	1.96	2.12	2.02
Washington	W	W	W	W	W	W	W
West Virginia	W	W	W	W	W	W	W
Wisconsin	W	W	W	W	W	W	W
Wyoming	2.33	W	W	W	W	W	W
Total	2.48	3.30	3.08	2.57	2.49	2.47	2.10

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	W	W	W	W	W	W	W
Alaska	7.86	7.86	7.86	7.87	7.87	7.87	7.84
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	W	W	2.40	2.58	2.92	3.56	3.87
Colorado	W	W	W	W	W	W	W
Connecticut	1.71	1.78	1.81	2.40	2.89	3.97	3.48
Delaware	--	--	--	--	W	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	2.93	5.03	--	2.40	1.93	2.44	4.22
Illinois	W	W	W	W	W	W	W
Indiana	1.84	1.93	1.92	1.93	W	2.32	2.72
Iowa	1.86	1.87	1.86	1.81	2.11	2.37	2.71
Kansas	2.42	3.00	2.33	2.06	2.85	2.71	2.86
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	W	W	--	--	--	W	W
Maryland	2.04	2.25	W	2.41	2.52	2.96	3.21
Massachusetts	W	W	W	W	W	6.00	4.73
Michigan	1.86	2.06	1.96	1.93	2.10	2.25	2.74
Minnesota	W	W	W	W	W	2.59	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	1.56	1.65	1.65	1.01	1.54	1.99	1.65
Nebraska	2.32	3.66	3.23	3.80	5.53	5.78	3.12
Nevada	2.20	2.33	2.18	2.35	2.68	3.76	3.20
New Hampshire	W	W	W	--	W	W	W
New Jersey	1.62	1.57	1.69	2.19	2.34	2.58	2.91
New Mexico	1.78	1.81	0.78	0.90	1.04	1.36	1.30
New York	1.70	1.72	1.71	2.19	2.70	3.09	3.03
North Carolina	W	W	W	W	W	W	W
North Dakota	1.85	2.79	2.06	2.73	2.37	3.54	3.50
Ohio	1.67	1.79	1.78	1.79	1.89	2.07	2.56
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	1.53	1.53	1.60	1.64	1.92	2.09	2.42
Rhode Island	W	W	W	W	W	W	W
South Carolina	2.39	2.62	2.70	2.72	2.75	2.95	3.25
South Dakota	--	--	--	--	--	--	W
Tennessee	2.10	2.41	2.31	2.58	2.31	2.50	2.86
Texas	1.77	1.95	1.81	1.76	1.87	1.96	2.44
Utah	2.01	2.12	1.96	2.09	2.48	3.61	3.20
Vermont	--	--	--	--	--	--	W
Virginia	2.09	2.08	2.13	2.30	3.92	3.53	3.33
Washington	W	W	W	W	W	W	W
West Virginia	W	W	W	W	W	W	W
Wisconsin	W	W	W	W	W	W	W
Wyoming	1.77	W	W	W	W	W	W
Total	2.08	2.25	2.20	2.23	2.50	2.74	2.99

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	W	W	W	W	W	W	W
Alaska	7.87	7.87	7.87	7.87	7.87	7.87	7.87
Arizona	W	W	W	W	W	W	W
Arkansas	W	2.74	W	W	W	W	W
California	4.00	3.55	3.24	3.49	3.24	3.38	3.04
Colorado	W	W	W	W	W	W	W
Connecticut	4.93	3.63	2.13	2.28	2.30	2.47	2.37
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	3.65	3.20	3.70	2.53	2.09	2.22	2.37
Illinois	W	W	W	W	W	W	2.47
Indiana	2.40	2.75	2.19	2.56	2.49	2.49	2.62
Iowa	2.50	2.72	2.20	2.21	2.15	2.26	2.23
Kansas	4.60	3.14	2.05	2.50	2.29	2.48	2.23
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	--	--	W	W	W	W	W
Maryland	3.45	3.42	2.41	2.90	2.60	2.72	2.79
Massachusetts	6.07	W	2.41	2.94	2.93	3.30	3.11
Michigan	2.49	2.87	2.23	2.63	2.38	2.55	2.56
Minnesota	2.98	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	2.63	W	W	W	W	W
Montana	2.28	2.12	1.95	0.67	0.84	1.17	0.77
Nebraska	4.33	3.88	3.21	2.83	2.60	2.81	2.70
Nevada	4.17	3.14	2.61	2.40	2.60	2.54	2.47
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.66	2.75	2.41	2.46	2.50	2.58	2.48
New Mexico	1.83	1.78	1.60	1.91	1.16	0.85	0.47
New York	3.28	3.09	2.03	2.19	2.21	2.39	2.53
North Carolina	W	W	W	W	W	W	W
North Dakota	2.76	3.13	3.28	3.45	2.24	3.39	3.28
Ohio	2.34	2.59	1.97	2.27	2.19	2.33	2.37
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.36	2.46	1.68	1.87	2.00	2.26	2.27
Rhode Island	W	W	W	W	W	W	W
South Carolina	3.25	3.27	2.97	3.17	2.93	2.95	3.08
South Dakota	--	--	--	--	--	--	--
Tennessee	2.76	2.77	2.78	2.66	2.53	2.63	2.79
Texas	2.17	2.53	2.34	2.40	2.11	2.21	2.22
Utah	3.94	2.94	2.55	2.32	2.41	2.33	2.34
Vermont	--	--	--	--	--	--	--
Virginia	3.70	3.27	2.39	2.64	2.50	2.73	2.83
Washington	W	W	W	W	W	W	W
West Virginia	2.44	2.55	W	W	W	W	W
Wisconsin	W	W	W	W	W	W	2.45
Wyoming	W	W	W	W	W	2.15	2.17
Total	3.05	3.08	2.58	2.68	2.50	2.62	2.67

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2019-2021
(dollars per thousand cubic feet) – continued

State	2019				
	May	April	March	February	January
Alabama	W	W	W	W	W
Alaska	7.87	7.87	7.72	7.72	7.72
Arizona	W	W	W	W	W
Arkansas	W	W	W	W	W
California	2.88	3.28	4.53	W	W
Colorado	W	W	W	W	W
Connecticut	2.53	2.78	4.10	5.34	7.12
Delaware	--	--	--	--	--
District of Columbia	--	--	--	--	--
Florida	W	W	W	W	W
Georgia	W	W	W	W	W
Hawaii	--	--	--	--	--
Idaho	24.46	--	40.19	8.54	3.48
Illinois	2.54	2.65	W	W	3.92
Indiana	2.80	2.79	W	W	3.44
Iowa	2.47	2.55	2.75	7.22	3.12
Kansas	2.46	2.68	5.76	3.93	4.00
Kentucky	W	W	W	W	W
Louisiana	W	W	W	W	W
Maine	--	W	W	W	--
Maryland	3.02	3.12	3.50	3.71	5.34
Massachusetts	W	4.71	5.22	W	W
Michigan	2.75	2.83	3.33	3.08	3.53
Minnesota	W	W	W	W	W
Mississippi	W	W	W	W	W
Missouri	W	W	W	W	W
Montana	1.60	0.87	2.98	2.77	1.79
Nebraska	2.86	3.64	4.02	3.83	4.01
Nevada	2.67	3.02	4.36	5.13	4.53
New Hampshire	W	W	W	W	W
New Jersey	2.61	2.60	3.71	3.99	4.58
New Mexico	0.49	0.51	1.47	2.28	2.72
New York	2.58	2.76	3.90	4.45	5.75
North Carolina	W	W	W	W	W
North Dakota	3.70	2.68	4.39	4.77	6.16
Ohio	2.55	2.68	3.09	2.92	3.40
Oklahoma	W	W	W	W	W
Oregon	W	W	W	W	W
Pennsylvania	2.41	2.50	2.88	3.01	3.66
Rhode Island	W	W	W	W	W
South Carolina	3.25	3.45	3.55	3.45	4.20
South Dakota	--	--	--	--	--
Tennessee	2.82	3.31	3.11	3.09	3.50
Texas	2.43	2.48	2.83	2.82	3.21
Utah	2.34	3.12	4.22	5.49	4.49
Vermont	--	--	--	--	--
Virginia	3.27	3.49	3.87	W	W
Washington	W	W	W	W	W
West Virginia	W	W	3.58	3.30	3.66
Wisconsin	2.63	2.82	3.45	3.64	3.72
Wyoming	W	W	W	3.10	W
Total	2.85	2.99	3.59	3.79	4.16

^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, 2019-2021

State	2021 4-Month YTD			2020 4-Month YTD			2019 4-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	83.3	25.8	100.0	81.8	24.1	100.0	81.3	23.8
Alaska	100.0	99.7	NA	100.0	NA	41.2	100.0	99.2	37.2
Arizona	100.0	77.5	NA	100.0	75.1	21.7	100.0	83.5	16.1
Arkansas	100.0	49.6	1.8	100.0	46.3	1.7	100.0	49.1	1.9
California	NA	NA	5.2	NA	53.2	4.7	94.9	54.6	4.8
Colorado	100.0	94.7	NA	100.0	94.6	9.4	100.0	94.6	8.8
Connecticut	96.6	78.8	NA	96.5	78.8	50.6	96.5	79.4	52.8
Delaware	100.0	41.2	0.3	NA	NA	NA	100.0	43.6	0.4
District of Columbia	75.5	NA	0.0	74.9	20.7	0.0	76.5	22.5	--
Florida	92.5	NA	3.6	NA	NA	NA	91.1	30.6	3.6
Georgia	100.0	100.0	20.8	NA	100.0	24.4	100.0	100.0	25.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	81.1	3.5	100.0	81.0	3.1	100.0	81.5	2.9
Illinois	88.6	NA	NA	87.6	37.6	8.4	87.1	38.5	8.7
Indiana	96.2	68.7	NA	96.4	67.5	2.0	96.3	68.6	2.2
Iowa	100.0	68.8	3.3	100.0	67.8	2.9	100.0	70.1	3.1
Kansas	100.0	58.8	NA	100.0	57.5	NA	100.0	62.3	1.6
Kentucky	97.4	81.2	NA	97.3	81.0	16.8	97.2	81.8	16.2
Louisiana	100.0	78.0	2.6	NA	75.8	3.1	100.0	78.6	3.1
Maine	100.0	NA	11.2	100.0	65.7	8.3	100.0	67.4	9.0
Maryland	78.6	30.8	NA	77.5	29.2	6.9	76.1	28.3	5.5
Massachusetts	98.3	41.8	27.2	97.9	40.5	26.4	97.6	41.9	28.8
Michigan	94.9	62.1	NA	94.3	62.0	9.1	94.0	63.0	10.4
Minnesota	100.0	90.2	18.4	NA	NA	NA	100.0	90.8	20.7
Mississippi	NA	NA	8.6	NA	NA	9.7	100.0	83.8	9.1
Missouri	100.0	77.7	14.8	100.0	77.1	15.2	100.0	78.2	15.8
Montana	99.7	54.1	2.0	99.7	53.2	1.9	99.6	53.6	2.4
Nebraska	88.1	59.9	NA	88.0	59.5	NA	88.1	60.4	6.6
Nevada	100.0	70.2	20.8	100.0	65.8	NA	100.0	65.7	17.3
New Hampshire	100.0	61.4	10.2	100.0	61.9	9.0	100.0	59.5	10.7
New Jersey	97.1	49.6	NA	96.6	46.7	NA	96.4	49.8	10.5
New Mexico	100.0	NA	11.3	NA	NA	NA	100.0	64.3	4.1
New York	100.0	100.0	7.4	100.0	100.0	6.5	100.0	100.0	7.3
North Carolina	100.0	88.3	14.7	100.0	87.4	13.6	100.0	88.3	14.1
North Dakota	100.0	94.4	34.5	100.0	94.6	NA	100.0	94.0	36.8
Ohio	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	1.1
Oklahoma	100.0	53.6	NA	100.0	51.7	7.5	100.0	52.5	8.2
Oregon	100.0	NA	NA	100.0	95.3	16.5	100.0	95.2	16.3
Pennsylvania	86.8	38.2	1.7	85.6	NA	1.6	86.2	39.3	1.3
Rhode Island	100.0	52.6	4.1	100.0	52.2	4.0	100.0	53.7	5.0
South Carolina	100.0	90.9	36.0	100.0	91.9	36.7	100.0	92.4	38.3
South Dakota	100.0	NA	NA	100.0	81.8	6.7	100.0	82.0	6.8
Tennessee	NA	NA	24.9	NA	NA	NA	100.0	91.4	23.8
Texas	NA	NA	NA	99.9	73.8	28.6	99.9	76.3	32.1
Utah	100.0	68.6	2.9	NA	NA	NA	100.0	70.6	2.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.3	57.8	NA	89.7	52.3	NA	89.9	54.4	11.7
Washington	100.0	NA	NA	100.0	86.5	NA	100.0	87.5	7.6
West Virginia	100.0	62.9	2.7	100.0	61.1	NA	100.0	61.7	3.4
Wisconsin	100.0	NA	NA	100.0	76.5	18.1	100.0	77.8	19.7
Wyoming	68.8	58.5	NA	69.3	58.2	NA	70.0	58.7	1.2
Total	96.6	68.8	13.3	96.2	67.6	13.0	96.1	68.6	13.6

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2019-2021 – continued

State	2021								
	April			March			February		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	77.5	25.7	100.0	83.6	26.1	100.0	85.2	26.1
Alaska	100.0	99.7	NA	100.0	99.7	39.2	100.0	99.7	34.4
Arizona	100.0	82.5	24.7	100.0	84.5	25.2	100.0	70.7	NA
Arkansas	100.0	35.8	1.3	100.0	53.2	1.8	100.0	54.0	2.2
California	NA	NA	4.8	95.7	57.1	5.2	95.5	57.5	6.1
Colorado	100.0	93.2	NA	100.0	95.0	13.1	100.0	94.9	9.5
Connecticut	95.8	76.2	NA	96.7	78.6	55.2	96.8	79.2	51.4
Delaware	100.0	34.6	0.3	100.0	45.0	0.4	100.0	42.3	0.3
District of Columbia	73.5	NA	0.0	75.3	21.3	0.0	76.1	23.9	0.0
Florida	91.7	31.2	3.4	92.1	31.3	3.4	92.8	31.9	4.0
Georgia	100.0	100.0	20.5	100.0	100.0	20.2	100.0	100.0	22.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	73.4	3.5	100.0	80.4	3.5	100.0	83.8	3.6
Illinois	87.3	33.4	NA	85.7	NA	NA	89.9	42.6	13.0
Indiana	95.9	62.7	NA	96.3	66.5	2.1	96.5	71.2	2.8
Iowa	100.0	60.9	2.3	100.0	65.1	3.2	100.0	72.1	4.1
Kansas	100.0	43.9	NA	100.0	54.8	1.9	100.0	65.0	NA
Kentucky	97.3	74.6	NA	96.5	78.9	16.6	97.6	83.2	16.8
Louisiana	100.0	74.8	2.2	100.0	80.1	1.8	100.0	79.3	3.4
Maine	100.0	63.6	11.4	100.0	68.9	12.2	100.0	70.7	11.9
Maryland	77.4	25.5	NA	77.9	28.6	4.1	78.9	32.7	3.6
Massachusetts	98.2	39.7	25.4	98.3	45.4	29.6	98.4	38.3	25.8
Michigan	94.9	55.0	NA	94.2	60.2	NA	95.1	65.0	9.3
Minnesota	100.0	87.2	14.5	100.0	89.6	15.5	100.0	90.7	23.5
Mississippi	100.0	NA	8.2	100.0	83.6	9.5	NA	82.9	8.1
Missouri	100.0	71.4	11.4	100.0	81.4	15.8	100.0	77.1	15.6
Montana	99.7	50.3	1.8	99.7	60.5	2.3	99.7	52.4	2.4
Nebraska	86.6	55.8	5.2	88.6	60.1	NA	87.9	60.7	6.5
Nevada	100.0	62.4	16.5	100.0	77.4	20.2	100.0	69.6	22.9
New Hampshire	100.0	58.9	7.4	100.0	62.0	10.9	100.0	62.0	12.0
New Jersey	97.2	46.0	NA	97.1	49.1	NA	97.1	51.1	12.8
New Mexico	100.0	NA	14.4	100.0	63.4	10.1	100.0	65.3	10.9
New York	100.0	100.0	6.2	100.0	100.0	7.4	100.0	100.0	8.0
North Carolina	100.0	83.6	12.8	100.0	86.1	13.7	100.0	89.9	16.7
North Dakota	100.0	93.0	35.3	100.0	93.7	34.7	100.0	95.3	32.5
Ohio	100.0	100.0	NA	100.0	100.0	1.0	100.0	100.0	1.3
Oklahoma	100.0	45.2	6.4	100.0	62.9	NA	100.0	51.4	8.0
Oregon	100.0	94.4	16.7	100.0	95.8	NA	100.0	96.1	17.8
Pennsylvania	86.7	33.3	1.2	86.6	38.4	1.9	86.8	39.3	1.8
Rhode Island	100.0	49.2	3.5	100.0	52.4	4.4	100.0	54.0	4.2
South Carolina	100.0	88.4	35.7	100.0	88.5	38.9	100.0	92.7	34.3
South Dakota	100.0	NA	NA	100.0	83.0	5.5	100.0	80.6	NA
Tennessee	100.0	88.2	22.7	NA	NA	26.3	100.0	93.0	26.7
Texas	99.7	68.7	NA	99.9	75.9	31.5	99.9	78.0	26.5
Utah	100.0	68.6	3.0	100.0	69.4	3.1	100.0	63.1	2.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.5	50.2	17.0	90.6	56.6	NA	90.9	60.8	13.6
Washington	100.0	84.2	6.0	100.0	87.7	8.4	100.0	90.1	7.9
West Virginia	100.0	51.5	2.9	100.0	61.7	2.7	100.0	67.6	2.8
Wisconsin	100.0	NA	NA	100.0	66.5	17.7	100.0	77.6	21.3
Wyoming	70.0	58.9	NA	68.7	59.6	NA	68.3	58.1	1.5
Total	96.3	64.8	13.4	96.4	67.9	13.6	96.7	70.0	12.6

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2019-2021 – continued

State	2021						2020		
	January			Total			December		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	84.0	25.2	100.0	77.4	23.4	100.0	78.7	24.7
Alaska	100.0	99.6	36.1	100.0	NA	NA	100.0	99.8	37.2
Arizona	100.0	75.2	21.8	100.0	72.1	21.0	100.0	73.6	20.0
Arkansas	100.0	50.2	1.9	100.0	36.5	NA	100.0	41.8	1.5
California	95.8	55.6	4.7	NA	50.7	4.4	95.7	56.8	5.2
Colorado	100.0	95.1	11.2	100.0	94.2	8.5	100.0	95.8	11.2
Connecticut	96.8	80.3	50.2	NA	NA	NA	96.2	78.6	48.5
Delaware	100.0	40.7	0.3	NA	NA	NA	100.0	33.8	NA
District of Columbia	76.0	22.9	0.0	73.9	NA	0.0	73.7	21.5	0.0
Florida	93.0	NA	3.9	NA	NA	NA	91.4	30.1	3.1
Georgia	100.0	100.0	20.2	NA	100.0	NA	100.0	100.0	20.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	82.9	3.4	100.0	76.7	3.3	100.0	84.3	3.5
Illinois	89.8	40.5	8.8	88.2	34.4	NA	90.7	41.2	7.9
Indiana	95.8	70.2	2.2	96.4	64.9	1.5	96.9	69.1	2.1
Iowa	100.0	70.9	3.4	NA	63.9	NA	100.0	69.8	3.6
Kansas	100.0	62.4	1.5	NA	47.8	NA	100.0	59.6	1.7
Kentucky	97.7	83.0	16.0	97.7	78.3	16.3	98.3	83.6	16.5
Louisiana	100.0	77.0	2.8	NA	NA	NA	100.0	74.4	2.4
Maine	100.0	NA	9.3	NA	NA	NA	100.0	65.5	9.0
Maryland	79.3	34.6	4.4	77.6	26.3	NA	78.5	35.0	NA
Massachusetts	98.3	44.3	28.1	NA	NA	NA	98.4	43.2	27.3
Michigan	95.1	63.9	9.5	94.6	58.1	NA	95.4	64.5	9.2
Minnesota	100.0	91.6	20.4	NA	NA	NA	100.0	91.3	18.9
Mississippi	NA	NA	8.6	NA	NA	9.0	100.0	85.9	8.8
Missouri	100.0	78.5	15.8	100.0	NA	11.9	100.0	74.4	13.3
Montana	99.7	52.9	1.7	NA	NA	1.3	99.7	51.4	1.7
Nebraska	88.5	61.0	5.5	87.8	55.4	NA	87.4	58.5	5.2
Nevada	100.0	70.3	23.7	100.0	62.2	NA	100.0	68.8	22.9
New Hampshire	100.0	61.6	10.3	100.0	59.7	6.6	100.0	59.9	9.5
New Jersey	97.0	50.1	11.0	96.8	42.9	NA	97.0	45.6	8.3
New Mexico	100.0	61.9	9.9	NA	NA	NA	100.0	56.9	12.6
New York	100.0	100.0	7.7	100.0	100.0	NA	100.0	100.0	5.6
North Carolina	100.0	90.2	15.2	NA	NA	12.0	100.0	90.0	13.7
North Dakota	100.0	95.0	35.4	100.0	93.9	NA	100.0	95.2	35.5
Ohio	100.0	100.0	1.1	NA	NA	NA	100.0	100.0	1.1
Oklahoma	100.0	52.1	7.1	100.0	43.9	NA	100.0	41.8	7.1
Oregon	100.0	NA	17.6	NA	NA	NA	100.0	96.5	17.4
Pennsylvania	86.8	39.4	1.7	86.1	NA	1.1	87.2	38.2	1.5
Rhode Island	100.0	53.6	4.4	100.0	51.6	NA	100.0	53.0	4.7
South Carolina	100.0	92.5	35.0	NA	90.5	36.1	100.0	92.5	36.0
South Dakota	100.0	80.1	4.0	100.0	78.2	4.2	100.0	79.4	4.1
Tennessee	100.0	92.6	24.1	NA	NA	NA	100.0	91.6	24.1
Texas	NA	NA	29.1	NA	NA	30.1	99.9	77.5	31.6
Utah	100.0	72.8	2.9	NA	NA	NA	100.0	71.9	2.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.5	59.8	14.6	NA	NA	NA	91.8	60.8	14.0
Washington	100.0	NA	NA	100.0	85.5	NA	100.0	89.0	7.6
West Virginia	100.0	65.2	2.4	100.0	52.9	NA	100.0	62.5	2.2
Wisconsin	100.0	76.4	20.7	100.0	NA	16.2	100.0	76.3	17.8
Wyoming	68.5	57.6	NA	NA	NA	NA	68.5	58.6	1.5
Total	96.7	70.4	13.4	96.3	64.6	13.0	96.8	69.6	13.7

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2019-2021 – continued

State	2020								
	November			October			September		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	72.8	22.5	100.0	68.7	22.0	100.0	69.6	21.3
Alaska	100.0	99.8	37.4	100.0	99.8	41.1	100.0	99.7	43.6
Arizona	100.0	70.5	20.5	100.0	67.8	19.2	100.0	68.6	19.5
Arkansas	100.0	33.3	1.7	100.0	25.1	1.5	100.0	22.7	NA
California	96.3	53.8	4.9	95.6	47.4	4.4	95.1	42.5	4.2
Colorado	100.0	95.1	9.7	100.0	94.2	7.5	100.0	91.8	6.8
Connecticut	NA	NA	NA	95.0	NA	NA	95.6	70.7	43.4
Delaware	100.0	26.7	0.3	100.0	21.9	0.4	100.0	17.1	0.3
District of Columbia	73.8	17.9	0.0	72.6	16.7	0.0	69.4	NA	0.0
Florida	91.2	29.3	3.5	92.3	28.6	NA	92.9	NA	NA
Georgia	100.0	100.0	23.6	100.0	100.0	20.5	100.0	100.0	20.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	79.9	3.7	100.0	74.3	2.9	100.0	62.5	3.0
Illinois	90.7	33.2	5.3	91.1	32.4	5.0	90.5	21.1	NA
Indiana	96.7	67.5	1.5	95.1	61.6	1.3	96.3	58.5	0.9
Iowa	100.0	64.0	NA	100.0	66.0	3.0	100.0	52.5	2.4
Kansas	100.0	47.6	3.0	100.0	42.1	4.3	100.0	24.2	10.3
Kentucky	98.5	77.5	16.9	98.8	73.7	16.0	98.3	66.9	13.6
Louisiana	100.0	67.9	2.5	100.0	69.9	NA	100.0	NA	NA
Maine	100.0	62.8	8.0	NA	NA	6.3	100.0	48.6	NA
Maryland	79.0	26.2	3.6	78.2	22.8	2.6	76.7	14.0	1.4
Massachusetts	NA	37.4	NA	NA	28.9	NA	98.3	23.9	19.3
Michigan	94.8	59.2	NA	94.9	53.0	3.8	94.7	42.3	4.0
Minnesota	100.0	88.5	21.9	100.0	89.1	22.4	100.0	73.0	NA
Mississippi	100.0	78.6	7.8	100.0	77.2	10.0	100.0	72.7	9.5
Missouri	100.0	69.5	11.3	100.0	62.3	9.0	100.0	58.1	8.3
Montana	99.7	50.4	1.7	NA	NA	0.5	99.6	27.9	0.6
Nebraska	86.0	53.8	4.9	88.9	49.4	4.4	88.8	44.6	3.8
Nevada	100.0	62.1	NA	100.0	54.7	12.3	100.0	52.5	9.3
New Hampshire	100.0	56.3	5.9	100.0	52.0	3.7	100.0	50.9	3.3
New Jersey	97.0	40.6	4.5	97.0	33.6	NA	96.8	29.3	NA
New Mexico	100.0	53.6	16.1	99.9	47.5	16.0	100.0	52.0	16.6
New York	100.0	100.0	3.5	100.0	100.0	NA	100.0	100.0	NA
North Carolina	100.0	NA	12.8	100.0	79.7	10.6	100.0	79.9	10.1
North Dakota	100.0	94.2	NA	100.0	94.6	34.7	100.0	92.2	36.5
Ohio	100.0	100.0	NA	100.0	100.0	0.9	100.0	100.0	0.6
Oklahoma	100.0	39.1	6.9	100.0	23.5	6.4	100.0	28.0	7.4
Oregon	100.0	96.0	18.1	100.0	95.0	16.1	100.0	92.7	15.5
Pennsylvania	87.1	34.6	0.8	86.5	29.2	0.5	85.6	31.7	0.4
Rhode Island	100.0	49.6	3.8	100.0	50.2	3.3	100.0	51.6	2.6
South Carolina	100.0	90.8	36.3	100.0	88.5	36.6	100.0	88.2	35.3
South Dakota	100.0	77.2	3.8	100.0	69.8	2.5	100.0	65.2	1.3
Tennessee	100.0	84.9	23.2	100.0	80.8	21.5	100.0	79.4	20.6
Texas	99.9	67.3	30.8	NA	68.1	30.9	99.3	58.1	31.5
Utah	100.0	64.4	2.6	100.0	52.8	2.7	100.0	51.5	2.2
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.1	NA	13.1	89.7	46.8	13.1	88.4	39.2	NA
Washington	100.0	88.6	7.1	100.0	86.1	NA	100.0	79.2	NA
West Virginia	100.0	50.3	2.9	100.0	41.3	3.0	100.0	34.3	3.5
Wisconsin	100.0	72.7	19.1	100.0	NA	18.0	100.0	59.2	11.6
Wyoming	68.0	56.4	0.5	71.0	57.8	0.8	70.5	55.7	NA
Total	96.8	65.4	13.2	96.6	60.6	13.0	96.6	54.8	13.2

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2019-2021 – continued

State	2020								
	August			July			June		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	72.1	21.5	100.0	74.0	23.5	100.0	73.0	24.3
Alaska	100.0	99.7	43.1	100.0	99.6	NA	100.0	NA	42.6
Arizona	100.0	66.1	18.9	100.0	67.8	17.9	100.0	69.1	19.6
Arkansas	100.0	21.3	1.4	100.0	22.1	1.2	100.0	22.8	1.3
California	95.3	45.2	3.6	95.4	48.1	3.8	95.3	47.8	3.8
Colorado	100.0	90.4	6.3	100.0	90.2	5.7	100.0	90.4	5.0
Connecticut	96.2	68.6	45.2	94.3	71.8	44.3	95.9	71.1	43.9
Delaware	100.0	18.7	0.2	100.0	19.8	0.1	100.0	23.8	0.2
District of Columbia	65.5	17.2	0.0	70.5	11.7	0.0	74.2	13.4	0.0
Florida	NA	NA	NA	93.1	27.6	3.9	NA	27.8	4.3
Georgia	100.0	100.0	NA	100.0	100.0	24.3	100.0	100.0	21.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	57.2	3.2	100.0	54.7	3.3	100.0	63.2	3.4
Illinois	81.7	20.1	NA	86.7	21.2	6.8	83.8	20.6	NA
Indiana	95.9	50.1	0.7	96.0	50.1	0.7	95.9	50.0	0.8
Iowa	100.0	46.3	1.9	NA	40.7	2.1	100.0	46.5	2.6
Kansas	NA	20.8	16.3	100.0	21.1	16.4	100.0	26.8	14.3
Kentucky	98.2	65.1	17.0	98.2	67.5	16.0	97.0	65.8	14.3
Louisiana	100.0	76.4	NA	100.0	NA	2.5	100.0	75.8	3.0
Maine	100.0	46.5	5.7	100.0	47.8	5.8	100.0	59.5	4.5
Maryland	76.4	15.2	NA	76.3	23.1	2.4	74.7	18.6	1.5
Massachusetts	98.1	NA	18.1	98.0	21.7	19.8	97.7	26.2	23.3
Michigan	94.8	34.5	2.4	96.2	40.5	3.4	96.1	42.1	3.2
Minnesota	100.0	76.6	NA	100.0	72.6	14.9	NA	NA	18.3
Mississippi	100.0	73.9	8.8	100.0	73.5	7.8	100.0	71.2	8.2
Missouri	100.0	NA	7.6	100.0	59.0	8.3	100.0	53.4	9.6
Montana	99.6	28.3	0.4	99.6	34.1	0.4	99.6	30.2	0.7
Nebraska	89.5	42.1	3.9	89.8	43.0	3.8	89.6	45.3	5.1
Nevada	100.0	50.2	8.5	100.0	48.6	8.6	100.0	57.1	11.9
New Hampshire	100.0	53.0	2.8	100.0	50.2	3.6	100.0	55.1	5.0
New Jersey	96.9	29.5	2.2	96.9	29.9	NA	96.1	47.4	3.1
New Mexico	100.0	52.4	17.7	100.0	55.2	16.7	100.0	57.3	12.3
New York	100.0	100.0	2.8	100.0	100.0	3.4	100.0	100.0	4.0
North Carolina	100.0	79.4	10.0	NA	76.4	9.5	NA	NA	9.6
North Dakota	100.0	89.8	40.3	100.0	88.9	38.6	100.0	88.9	44.9
Ohio	100.0	100.0	0.5	100.0	100.0	0.4	NA	NA	0.5
Oklahoma	100.0	26.5	7.4	100.0	32.6	NA	100.0	33.7	7.3
Oregon	100.0	93.7	14.8	100.0	91.9	14.5	NA	NA	NA
Pennsylvania	86.7	23.6	0.5	85.8	23.8	0.4	85.3	NA	0.5
Rhode Island	100.0	53.8	NA	100.0	53.2	3.5	100.0	48.0	3.7
South Carolina	100.0	88.5	36.9	100.0	87.8	35.8	NA	88.3	34.4
South Dakota	100.0	63.6	1.3	100.0	64.8	1.5	100.0	70.4	2.6
Tennessee	100.0	77.8	21.1	100.0	80.0	18.7	100.0	81.4	20.9
Texas	98.3	58.9	29.5	98.5	63.2	30.4	98.9	NA	31.5
Utah	100.0	47.1	NA	100.0	51.0	2.1	100.0	52.6	2.2
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.2	40.8	NA	87.7	40.2	12.5	87.8	35.0	12.8
Washington	100.0	78.7	3.7	100.0	76.7	4.6	100.0	81.2	5.3
West Virginia	100.0	28.2	3.3	100.0	30.7	3.0	100.0	36.3	3.5
Wisconsin	100.0	50.6	10.5	100.0	47.2	13.9	100.0	53.7	9.2
Wyoming	NA	NA	0.5	73.3	53.9	0.7	71.5	53.5	0.6
Total	95.9	54.3	12.4	96.3	55.7	12.8	95.9	56.6	12.9

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2019-2021 – continued

State	2020								
	May			April			March		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	71.5	23.9	100.0	74.3	23.7	100.0	84.6	24.5
Alaska	100.0	NA	37.8	100.0	NA	32.4	100.0	99.7	50.2
Arizona	100.0	70.8	29.4	100.0	72.7	24.5	100.0	74.1	20.9
Arkansas	100.0	27.2	1.6	100.0	35.9	1.6	100.0	47.2	1.8
California	95.4	44.0	4.2	NA	47.9	4.3	95.6	52.3	4.9
Colorado	100.0	91.5	7.8	100.0	93.1	7.8	100.0	93.9	8.6
Connecticut	96.4	76.1	46.6	95.8	76.5	49.7	96.5	78.5	50.8
Delaware	100.0	30.7	0.2	NA	NA	NA	NA	40.0	0.4
District of Columbia	72.3	16.4	0.0	72.9	16.8	0.0	75.2	20.9	0.0
Florida	NA	NA	NA	93.7	29.1	3.2	NA	NA	NA
Georgia	NA	100.0	NA	100.0	100.0	20.4	100.0	100.0	26.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	65.4	3.7	100.0	74.0	3.2	100.0	78.8	3.1
Illinois	84.8	28.5	5.7	86.4	32.8	6.0	86.0	34.8	8.7
Indiana	96.4	56.9	1.0	95.4	63.2	1.6	96.0	66.0	2.0
Iowa	100.0	53.6	1.9	100.0	61.2	2.4	100.0	65.7	2.9
Kansas	100.0	26.6	10.9	100.0	45.0	5.9	100.0	52.4	2.9
Kentucky	95.7	68.6	17.3	97.4	74.7	15.9	96.4	79.4	17.7
Louisiana	100.0	68.8	3.1	100.0	73.5	3.1	100.0	76.2	2.8
Maine	100.0	60.7	6.1	100.0	63.0	6.1	100.0	65.6	9.4
Maryland	76.4	19.8	4.3	76.3	24.0	4.2	78.4	27.6	6.0
Massachusetts	97.8	32.6	21.2	97.9	39.3	26.0	97.9	43.2	27.6
Michigan	93.9	49.7	7.0	94.7	57.1	7.0	93.9	61.2	8.6
Minnesota	100.0	83.6	15.7	100.0	88.6	NA	100.0	89.3	18.1
Mississippi	100.0	73.4	8.2	NA	NA	8.0	100.0	80.6	10.0
Missouri	100.0	65.5	11.0	100.0	72.8	12.9	100.0	77.2	15.6
Montana	99.7	39.7	0.9	99.7	53.7	1.6	99.7	55.1	2.2
Nebraska	86.9	49.6	5.4	87.0	55.4	NA	87.6	58.4	5.5
Nevada	100.0	64.2	10.6	100.0	68.2	12.9	100.0	60.1	NA
New Hampshire	100.0	58.5	6.4	100.0	59.9	8.3	100.0	61.3	9.0
New Jersey	97.0	35.9	6.0	96.9	40.8	7.9	96.6	45.4	9.1
New Mexico	100.0	61.5	NA	100.0	59.1	12.0	100.0	65.9	8.9
New York	100.0	100.0	5.0	100.0	100.0	5.6	100.0	100.0	6.3
North Carolina	100.0	78.4	11.1	100.0	80.9	10.5	100.0	84.4	13.7
North Dakota	100.0	91.4	40.5	100.0	93.8	37.3	100.0	94.7	38.0
Ohio	100.0	100.0	0.8	100.0	100.0	0.8	100.0	100.0	NA
Oklahoma	100.0	40.2	7.3	100.0	45.7	7.1	100.0	56.6	7.7
Oregon	100.0	92.6	14.5	100.0	93.7	15.0	100.0	95.3	16.7
Pennsylvania	86.0	NA	0.8	85.6	31.5	1.1	85.4	NA	1.6
Rhode Island	100.0	48.3	3.5	100.0	49.7	3.3	100.0	51.2	3.5
South Carolina	100.0	87.7	35.1	100.0	89.5	35.8	100.0	89.8	37.0
South Dakota	100.0	75.5	4.3	100.0	81.8	5.4	100.0	82.8	6.1
Tennessee	NA	NA	NA	100.0	86.4	19.5	NA	NA	NA
Texas	99.4	60.3	30.7	99.7	66.2	30.0	99.9	70.4	28.1
Utah	100.0	52.6	2.1	NA	NA	2.9	100.0	66.8	NA
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	42.9	NA	88.0	44.4	14.3	88.8	52.2	NA
Washington	100.0	81.5	4.5	100.0	82.7	6.5	100.0	88.0	NA
West Virginia	100.0	42.4	3.6	100.0	54.0	NA	100.0	58.6	3.4
Wisconsin	100.0	63.9	14.3	100.0	71.3	14.4	100.0	75.2	16.8
Wyoming	70.1	53.3	0.9	69.9	57.1	1.5	69.5	58.9	NA
Total	95.7	59.0	13.2	95.9	63.7	12.8	96.1	66.5	13.0

^R Revised data.

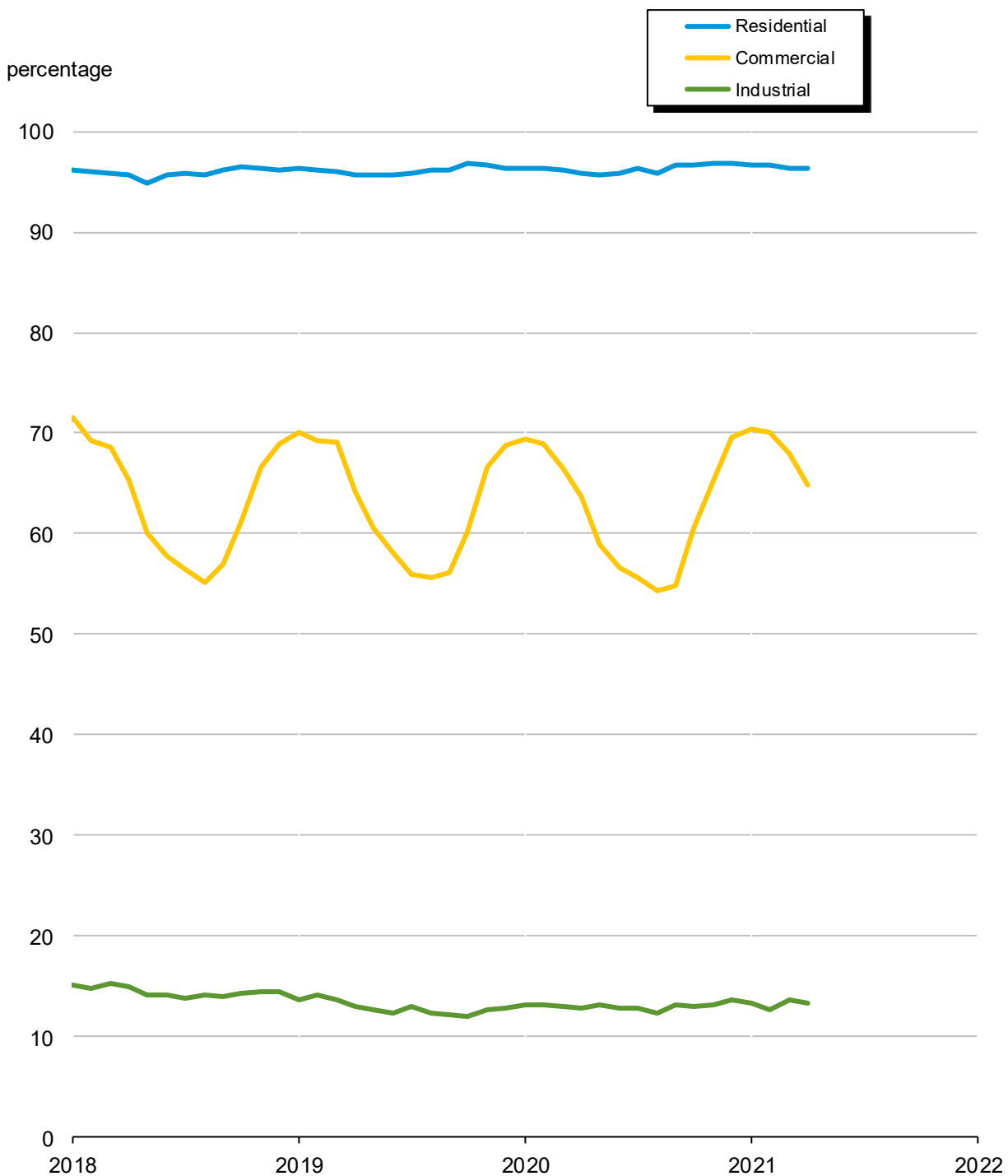
– Not applicable.

^{NA} Not available.

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

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

Figure 6. Percentage of total deliveries included in residential, commercial, and industrial price estimates, 2018-2021



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, 2019-2021
(Btu per cubic foot)

State	2021	2020	2019	2021			
	4-Month YTD	4-Month YTD	4-Month YTD	April	March	February	January
Alabama	1,028	1,028	1,023	1,029	1,027	1,027	1,029
Alaska	992	983	984	1,005	998	985	983
Arizona	1,035	1,032	1,036	1,029	1,039	1,037	1,034
Arkansas	1,018	1,021	1,017	1,018	1,018	1,018	1,019
California	1,036	1,038	1,032	1,033	1,035	1,038	1,037
Colorado	1,058	1,077	1,080	1,059	1,055	1,058	1,058
Connecticut	1,031	1,031	1,029	1,028	1,030	1,032	1,032
Delaware	1,035	1,036	1,040	1,034	1,035	1,035	1,036
District of Columbia	1,039	1,039	1,044	1,030	1,034	1,043	1,043
Florida	1,026	1,026	1,021	1,024	1,026	1,027	1,026
Georgia	1,029	1,029	1,023	1,026	1,027	1,031	1,030
Hawaii	917	969	950	918	918	916	916
Idaho	1,022	1,029	1,030	1,027	1,020	1,023	1,019
Illinois	1,043	1,041	1,034	1,043	1,043	1,044	1,043
Indiana	1,056	1,050	1,044	1,057	1,056	1,055	1,055
Iowa	1,067	1,066	1,056	1,071	1,064	1,063	1,071
Kansas	1,037	1,041	1,039	1,037	1,036	1,040	1,034
Kentucky	1,052	1,053	1,050	1,057	1,050	1,051	1,052
Louisiana	1,021	1,022	1,021	1,019	1,019	1,025	1,020
Maine	1,041	1,044	1,043	1,037	1,041	1,042	1,044
Maryland	1,042	1,043	1,049	1,036	1,038	1,045	1,047
Massachusetts	1,031	1,033	1,033	1,028	1,029	1,032	1,032
Michigan	1,056	1,061	1,052	1,055	1,056	1,056	1,057
Minnesota	1,053	1,039	1,043	1,057	1,055	1,054	1,050
Mississippi	1,028	1,031	1,026	1,028	1,027	1,029	1,028
Missouri	1,021	1,024	1,022	1,021	1,021	1,021	1,021
Montana	1,042	1,047	1,047	1,043	1,042	1,041	1,043
Nebraska	1,050	1,063	1,059	1,054	1,045	1,050	1,050
Nevada	1,041	1,045	1,037	1,038	1,040	1,043	1,042
New Hampshire	1,036	1,036	1,035	1,030	1,033	1,039	1,038
New Jersey	1,041	1,037	1,042	1,038	1,040	1,042	1,042
New Mexico	1,034	1,034	1,026	1,029	1,038	1,035	1,032
New York	1,033	1,033	1,034	1,032	1,033	1,034	1,035
North Carolina	1,033	1,033	1,028	1,033	1,032	1,033	1,034
North Dakota	1,070	1,073	1,086	1,068	1,074	1,069	1,069
Ohio	1,069	1,066	1,065	1,068	1,068	1,069	1,070
Oklahoma	1,031	1,035	1,026	1,026	1,030	1,039	1,029
Oregon	1,052	1,052	1,052	1,049	1,051	1,053	1,053
Pennsylvania	1,036	1,038	1,039	1,035	1,036	1,037	1,037
Rhode Island	1,030	1,031	1,028	1,030	1,029	1,029	1,030
South Carolina	1,032	1,030	1,024	1,030	1,032	1,034	1,032
South Dakota	1,081	1,078	1,064	1,082	1,077	1,080	1,084
Tennessee	1,032	1,030	1,028	1,033	1,032	1,031	1,032
Texas	1,021	1,023	1,023	1,018	1,022	1,025	1,019
Utah	1,047	1,051	1,043	1,048	1,046	1,045	1,049
Vermont	1,045	1,045	1,039	1,038	1,044	1,049	1,048
Virginia	1,052	1,051	1,056	1,050	1,046	1,057	1,052
Washington	1,082	1,085	1,085	1,086	1,085	1,082	1,073
West Virginia	1,092	1,087	1,087	1,093	1,092	1,092	1,091
Wisconsin	1,046	1,045	1,044	1,047	1,046	1,050	1,040
Wyoming	1,059	1,076	1,071	1,060	1,059	1,056	1,061
Total	1,038	1,039	1,037	1,036	1,038	1,041	1,038

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2019-2021
(Btu per cubic foot) – continued

State	2020						
	Total	December	November	October	September	August	July
Alabama	1,030	1,032	1,031	1,031	1,032	1,031	1,031
Alaska	991	982	985	997	1,009	994	1,015
Arizona	1,029	1,034	1,023	1,022	1,029	1,026	1,024
Arkansas	1,019	1,019	1,019	1,020	1,019	1,017	1,016
California	1,033	1,035	1,035	1,030	1,029	1,026	1,024
Colorado	1,077	1,066	1,070	1,075	1,082	1,090	1,089
Connecticut	1,030	1,032	1,031	1,029	1,029	1,029	1,029
Delaware	1,035	1,037	1,036	1,034	1,037	1,032	1,033
District of Columbia	1,036	1,039	1,033	1,029	1,028	1,030	1,032
Florida	1,026	1,028	1,027	1,027	1,028	1,025	1,026
Georgia	1,030	1,035	1,030	1,030	1,032	1,030	1,029
Hawaii	937	919	916	918	914	912	914
Idaho	1,025	1,022	1,022	1,033	1,018	1,017	1,014
Illinois	1,040	1,042	1,041	1,039	1,034	1,038	1,036
Indiana	1,053	1,056	1,056	1,059	1,058	1,057	1,050
Iowa	1,070	1,072	1,079	1,076	1,080	1,071	1,068
Kansas	1,037	1,035	1,034	1,031	1,036	1,034	1,031
Kentucky	1,050	1,053	1,049	1,048	1,053	1,043	1,046
Louisiana	1,022	1,019	1,020	1,024	1,021	1,025	1,021
Maine	1,039	1,042	1,037	1,033	1,038	1,034	1,030
Maryland	1,040	1,045	1,035	1,034	1,036	1,038	1,040
Massachusetts	1,031	1,031	1,029	1,029	1,029	1,029	1,029
Michigan	1,059	1,058	1,057	1,060	1,059	1,056	1,057
Minnesota	1,051	1,056	1,051	1,066	1,070	1,063	1,062
Mississippi	1,030	1,028	1,027	1,034	1,035	1,032	1,027
Missouri	1,023	1,021	1,021	1,020	1,024	1,022	1,021
Montana	1,047	1,046	1,044	1,054	1,048	1,048	1,043
Nebraska	1,062	1,061	1,056	1,058	1,064	1,063	1,064
Nevada	1,039	1,045	1,045	1,037	1,035	1,031	1,027
New Hampshire	1,033	1,035	1,031	1,029	1,030	1,031	1,030
New Jersey	1,037	1,041	1,038	1,036	1,035	1,036	1,035
New Mexico	1,027	1,027	1,019	1,018	1,018	1,025	1,024
New York	1,032	1,034	1,032	1,031	1,031	1,031	1,030
North Carolina	1,033	1,034	1,035	1,030	1,034	1,032	1,033
North Dakota	1,069	1,069	1,074	1,065	1,069	1,059	1,061
Ohio	1,067	1,072	1,072	1,070	1,064	1,064	1,061
Oklahoma	1,031	1,034	1,031	1,029	1,035	1,023	1,028
Oregon	1,053	1,052	1,054	1,060	1,055	1,058	1,051
Pennsylvania	1,037	1,038	1,036	1,037	1,037	1,037	1,038
Rhode Island	1,030	1,030	1,029	1,029	1,029	1,029	1,030
South Carolina	1,031	1,033	1,033	1,032	1,034	1,033	1,033
South Dakota	1,081	1,084	1,093	1,092	1,084	1,079	1,073
Tennessee	1,026	1,029	1,030	1,026	1,020	1,020	1,017
Texas	1,020	1,020	1,017	1,017	1,017	1,018	1,018
Utah	1,045	1,047	1,046	1,042	1,037	1,031	1,029
Vermont	1,041	1,047	1,038	1,034	1,038	1,035	1,030
Virginia	1,049	1,052	1,049	1,047	1,051	1,046	1,045
Washington	1,082	1,083	1,083	1,087	1,089	1,056	1,081
West Virginia	1,085	1,091	1,082	1,080	1,098	1,085	1,071
Wisconsin	1,044	1,044	1,045	1,053	1,046	1,043	1,034
Wyoming	1,070	1,065	1,068	1,058	1,061	1,067	1,060
Total	1,037	1,039	1,037	1,036	1,035	1,033	1,032

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2019-2021

(Btu per cubic foot) – continued

State	2020						2019
	June	May	April	March	February	January	Total
Alabama	1,030	1,027	1,028	1,027	1,027	1,029	1,028
Alaska	990	1,011	981	981	981	988	987
Arizona	1,025	1,039	1,035	1,028	1,031	1,033	1,032
Arkansas	1,015	1,018	1,020	1,021	1,021	1,021	1,018
California	1,026	1,035	1,039	1,038	1,038	1,039	1,034
Colorado	1,083	1,079	1,080	1,073	1,077	1,078	1,089
Connecticut	1,028	1,029	1,030	1,030	1,032	1,031	1,030
Delaware	1,034	1,035	1,036	1,036	1,038	1,036	1,041
District of Columbia	1,025	1,030	1,033	1,036	1,041	1,042	1,035
Florida	1,023	1,025	1,028	1,026	1,025	1,026	1,023
Georgia	1,027	1,025	1,027	1,028	1,029	1,030	1,026
Hawaii	915	913	919	975	981	984	952
Idaho	1,026	1,028	1,030	1,029	1,028	1,028	1,030
Illinois	1,040	1,040	1,042	1,041	1,041	1,041	1,033
Indiana	1,053	1,051	1,052	1,052	1,048	1,049	1,052
Iowa	1,067	1,066	1,067	1,062	1,068	1,067	1,066
Kansas	1,033	1,045	1,044	1,039	1,040	1,041	1,041
Kentucky	1,048	1,045	1,050	1,057	1,054	1,051	1,049
Louisiana	1,021	1,020	1,024	1,023	1,020	1,021	1,023
Maine	1,033	1,036	1,042	1,043	1,046	1,046	1,038
Maryland	1,036	1,035	1,038	1,041	1,045	1,047	1,044
Massachusetts	1,028	1,028	1,029	1,030	1,035	1,036	1,031
Michigan	1,058	1,058	1,062	1,062	1,062	1,060	1,057
Minnesota	1,056	1,046	1,053	1,047	1,026	1,029	1,056
Mississippi	1,028	1,025	1,035	1,031	1,028	1,031	1,029
Missouri	1,022	1,024	1,023	1,025	1,023	1,023	1,023
Montana	1,045	1,048	1,053	1,045	1,046	1,046	1,049
Nebraska	1,062	1,064	1,067	1,064	1,063	1,061	1,070
Nevada	1,030	1,038	1,046	1,046	1,045	1,043	1,043
New Hampshire	1,030	1,030	1,032	1,034	1,038	1,040	1,032
New Jersey	1,034	1,031	1,035	1,034	1,037	1,042	1,039
New Mexico	1,025	1,036	1,038	1,031	1,030	1,034	1,031
New York	1,031	1,031	1,033	1,033	1,034	1,034	1,032
North Carolina	1,032	1,031	1,033	1,033	1,033	1,031	1,031
North Dakota	1,059	1,072	1,074	1,074	1,072	1,071	1,099
Ohio	1,064	1,066	1,067	1,065	1,066	1,065	1,065
Oklahoma	1,024	1,030	1,042	1,030	1,032	1,036	1,033
Oregon	1,053	1,043	1,042	1,052	1,060	1,052	1,053
Pennsylvania	1,038	1,037	1,038	1,038	1,037	1,037	1,038
Rhode Island	1,029	1,030	1,030	1,030	1,031	1,031	1,029
South Carolina	1,026	1,029	1,030	1,030	1,030	1,029	1,027
South Dakota	1,079	1,081	1,077	1,080	1,078	1,078	1,084
Tennessee	1,022	1,024	1,027	1,030	1,030	1,030	1,030
Texas	1,017	1,022	1,026	1,022	1,022	1,022	1,025
Utah	1,035	1,044	1,053	1,052	1,051	1,050	1,046
Vermont	1,033	1,035	1,041	1,043	1,048	1,047	1,036
Virginia	1,049	1,046	1,047	1,051	1,052	1,052	1,051
Washington	1,063	1,078	1,081	1,084	1,088	1,087	1,086
West Virginia	1,076	1,088	1,080	1,092	1,091	1,084	1,084
Wisconsin	1,037	1,043	1,048	1,041	1,047	1,044	1,042
Wyoming	1,068	1,075	1,082	1,074	1,075	1,073	1,074
Total	1,032	1,035	1,039	1,039	1,039	1,039	1,038

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2019-2021
(Btu per cubic foot) – continued

State	2019						
	December	November	October	September	August	July	June
Alabama	1,030	1,031	1,030	1,031	1,031	1,027	1,027
Alaska	987	992	994	976	974	979	977
Arizona	1,030	1,029	1,029	1,030	1,032	1,030	1,031
Arkansas	1,021	1,019	1,021	1,020	1,019	1,021	1,018
California	1,038	1,039	1,041	1,038	1,038	1,035	1,031
Colorado	1,079	1,084	1,096	1,106	1,105	1,109	1,102
Connecticut	1,032	1,035	1,028	1,028	1,028	1,028	1,027
Delaware	1,034	1,036	1,037	1,036	1,040	1,035	1,037
District of Columbia	1,040	1,039	1,026	1,025	1,030	1,033	1,026
Florida	1,024	1,024	1,025	1,025	1,025	1,025	1,025
Georgia	1,028	1,027	1,027	1,029	1,028	1,027	1,023
Hawaii	984	973	924	967	936	917	954
Idaho	1,023	1,023	1,033	1,027	1,030	1,022	1,033
Illinois	1,041	1,041	1,038	1,036	1,034	1,033	1,032
Indiana	1,050	1,052	1,053	1,058	1,061	1,059	1,055
Iowa	1,071	1,077	1,077	1,078	1,077	1,080	1,075
Kansas	1,045	1,047	1,040	1,045	1,046	1,059	1,036
Kentucky	1,051	1,054	1,045	1,043	1,042	1,044	1,042
Louisiana	1,019	1,024	1,023	1,020	1,022	1,022	1,024
Maine	1,050	1,041	1,031	1,033	1,032	1,032	1,036
Maryland	1,048	1,045	1,036	1,036	1,040	1,039	1,036
Massachusetts	1,035	1,031	1,029	1,029	1,029	1,030	1,029
Michigan	1,061	1,062	1,062	1,066	1,061	1,058	1,058
Minnesota	1,048	1,028	1,063	1,060	1,065	1,059	1,055
Mississippi	1,029	1,031	1,032	1,030	1,027	1,033	1,029
Missouri	1,024	1,023	1,027	1,030	1,033	1,032	1,028
Montana	1,049	1,050	1,046	1,050	1,049	1,052	1,054
Nebraska	1,063	1,072	1,082	1,082	1,080	1,085	1,078
Nevada	1,044	1,045	1,048	1,047	1,048	1,048	1,042
New Hampshire	1,042	1,033	1,030	1,029	1,029	1,030	1,029
New Jersey	1,041	1,040	1,036	1,035	1,036	1,036	1,035
New Mexico	1,040	1,038	1,034	1,037	1,032	1,030	1,028
New York	1,034	1,033	1,030	1,030	1,030	1,031	1,030
North Carolina	1,030	1,034	1,033	1,030	1,032	1,032	1,031
North Dakota	1,072	1,068	1,077	1,061	1,059	1,065	1,084
Ohio	1,065	1,065	1,067	1,065	1,064	1,064	1,062
Oklahoma	1,043	1,045	1,032	1,035	1,048	1,034	1,028
Oregon	1,053	1,052	1,063	1,048	1,053	1,053	1,066
Pennsylvania	1,037	1,037	1,035	1,041	1,037	1,035	1,036
Rhode Island	1,032	1,031	1,029	1,029	1,028	1,029	1,028
South Carolina	1,028	1,030	1,030	1,029	1,029	1,028	1,027
South Dakota	1,081	1,082	1,080	1,076	1,078	1,074	1,077
Tennessee	1,028	1,028	1,027	1,021	1,021	1,021	1,020
Texas	1,024	1,024	1,023	1,024	1,028	1,029	1,026
Utah	1,049	1,046	1,048	1,051	1,050	1,049	1,043
Vermont	1,051	1,043	1,030	1,032	1,030	1,032	1,033
Virginia	1,053	1,050	1,051	1,046	1,050	1,049	1,048
Washington	1,088	1,090	901	1,091	1,086	1,090	1,087
West Virginia	1,088	1,084	1,085	1,091	1,092	1,098	1,100
Wisconsin	1,042	1,045	1,040	1,042	1,042	1,041	1,034
Wyoming	1,081	1,079	1,078	1,075	1,077	1,073	1,060
Total	1,040	1,040	1,036	1,037	1,038	1,037	1,035

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2019-2021
(Btu per cubic foot) – continued

State	2019				
	May	April	March	February	January
Alabama	1,026	1,023	1,021	1,021	1,025
Alaska	967	980	982	981	990
Arizona	1,032	1,035	1,036	1,037	1,036
Arkansas	1,015	1,017	1,016	1,018	1,018
California	1,031	1,032	1,031	1,033	1,032
Colorado	1,094	1,087	1,077	1,078	1,081
Connecticut	1,027	1,028	1,030	1,030	1,030
Delaware	1,037	1,038	1,039	1,040	1,041
District of Columbia	1,031	1,040	1,044	1,046	1,045
Florida	1,022	1,023	1,020	1,020	1,021
Georgia	1,023	1,021	1,021	1,022	1,026
Hawaii	963	958	946	961	938
Idaho	1,039	1,037	1,030	1,029	1,028
Illinois	1,032	1,032	1,033	1,034	1,035
Indiana	1,061	1,049	1,045	1,043	1,043
Iowa	1,063	1,060	1,054	1,054	1,055
Kansas	1,038	1,044	1,036	1,036	1,043
Kentucky	1,043	1,052	1,046	1,050	1,051
Louisiana	1,026	1,023	1,021	1,020	1,021
Maine	1,030	1,036	1,042	1,045	1,048
Maryland	1,039	1,045	1,050	1,050	1,050
Massachusetts	1,029	1,030	1,031	1,034	1,035
Michigan	1,057	1,053	1,051	1,053	1,052
Minnesota	1,055	1,053	1,043	1,026	1,047
Mississippi	1,032	1,030	1,030	1,023	1,023
Missouri	1,028	1,022	1,021	1,020	1,022
Montana	1,051	1,051	1,049	1,045	1,045
Nebraska	1,074	1,073	1,055	1,056	1,059
Nevada	1,039	1,039	1,034	1,039	1,035
New Hampshire	1,028	1,030	1,034	1,035	1,041
New Jersey	1,036	1,038	1,041	1,044	1,044
New Mexico	1,025	1,024	1,022	1,027	1,031
New York	1,030	1,032	1,033	1,034	1,034
North Carolina	1,029	1,030	1,029	1,027	1,027
North Dakota	1,085	1,092	1,087	1,089	1,079
Ohio	1,063	1,065	1,065	1,065	1,065
Oklahoma	1,025	1,027	1,027	1,030	1,022
Oregon	1,063	1,048	1,048	1,054	1,055
Pennsylvania	1,036	1,037	1,038	1,039	1,039
Rhode Island	1,028	1,028	1,028	1,028	1,029
South Carolina	1,027	1,025	1,022	1,021	1,026
South Dakota	1,073	1,067	1,064	1,064	1,062
Tennessee	1,023	1,032	1,027	1,027	1,029
Texas	1,022	1,024	1,022	1,021	1,024
Utah	1,044	1,046	1,043	1,041	1,042
Vermont	1,029	1,034	1,037	1,041	1,042
Virginia	1,049	1,053	1,057	1,056	1,055
Washington	1,083	1,084	1,083	1,086	1,087
West Virginia	1,112	1,091	1,087	1,088	1,085
Wisconsin	1,043	1,044	1,047	1,040	1,046
Wyoming	1,077	1,071	1,070	1,071	1,072
Total	1,035	1,036	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*.

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 2016 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:

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

where:

P = the NGPL composite spot price in dollars per MMBtu,

p_i = the monthly spot price for natural gas liquids product i in dollars per MMBtu,

V = the total volume of natural gas plant liquids produced in the report month,

v_i = the monthly production volume for natural gas plant liquids product i .

The natural gas spot price is the simple average of the daily closing spot prices for natural gas at the Henry Hub in Louisiana. This series is published by Refinitiv, an LSEG business, 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 2021 for report year 2020 totaled approximately 2,115 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 285 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 176 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 $\frac{\sum_{i \in S} y_{ij}}{\sum_{i \in S} x_{ij}}$ is calculated separately for each state by sector cross classification. However, because certain states have extremely small sample sizes, we combine some states for estimation purposes only, in order to obtain more stable estimates. The state groupings are referred to as estimation groups. For most states, especially the large ones, the ratio will continue to be estimated separately as described above. The final volume estimates, V_j , will continue to be published separately for all states.

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

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

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

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

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

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

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

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

where:

R_{adj} = sendout adjusted residential volume,

C_{adj} = sendout adjusted commercial volume,

SO = sendout volume,

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

EP = reported electric power volume,

IN = reported industrial volume,

R = reported residential volume,

C = reported commercial volume.

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

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

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

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

where:

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

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

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

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

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

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

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

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

for Georgia, and,

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

for New York and Ohio, where:

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

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

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

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

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

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

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

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

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

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

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

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

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

N = frame size.

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

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

where:

P_j = natural gas price in sector j,

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

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

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

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

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

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

and,

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

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

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

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

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

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

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

Table C1. Standard error for natural gas deliveries and price by consumers, by state, April 2021

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	1.0	1.6	1.7	1.4	0.08	0.07	0.05
Alaska	1.2	0.6	0.0	NA	0.00	0.07	NA
Arizona	2.1	1.0	1.3	1.0	0.15	0.09	0.01
Arkansas	0.9	0.2	1.1	0.7	0.04	0.04	0.42
California	NA	NA	1.3	NA	NA	NA	0.12
Colorado	0.9	0.3	1.1	0.5	0.10	0.12	NA
Connecticut	0.2	0.2	1.1	0.2	0.14	0.11	NA
Delaware	0.0	0.0	0.0	0.0	0.00	0.00	0.00
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	1.9	0.8	0.8	0.6	0.37	0.45	0.71
Georgia	0.0	0.0	2.3	0.0	0.00	0.04	0.30
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.7	0.5	0.1	0.3	0.00	0.01	0.00
Illinois	0.7	2.8	2.1	1.0	0.21	0.27	NA
Indiana	2.4	0.4	5.4	3.8	0.10	0.03	NA
Iowa	1.8	0.8	2.4	1.8	0.16	0.11	0.49
Kansas	1.3	3.6	NA	NA	0.09	0.23	NA
Kentucky	0.8	1.2	1.1	0.7	0.10	0.10	NA
Louisiana	0.7	1.5	1.1	1.0	0.16	0.27	0.55
Maine	1.9	0.9	3.0	2.0	0.16	0.17	0.00
Maryland	0.2	0.2	0.0	0.1	0.05	0.08	NA
Massachusetts	1.2	0.7	2.8	0.8	0.18	0.21	0.13
Michigan	1.0	1.4	1.7	0.8	0.09	0.03	NA
Minnesota	1.2	0.6	2.5	1.2	0.10	0.10	0.05
Mississippi	2.5	2.3	5.6	4.6	0.21	NA	0.16
Missouri	2.0	1.4	1.6	1.0	0.10	0.09	0.16
Montana	0.5	0.4	0.0	0.2	0.03	0.06	0.00
Nebraska	1.1	0.3	9.1	5.5	0.26	0.21	0.16
Nevada	0.0	0.5	8.8	2.0	0.00	0.00	0.11
New Hampshire	0.0	0.0	3.8	1.5	0.00	0.00	0.00
New Jersey	0.7	1.4	NA	NA	0.18	0.33	0.05
New Mexico	3.9	1.4	2.2	1.9	0.13	NA	0.06
New York	0.0	0.0	1.9	0.0	0.00	0.05	0.18
North Carolina	1.3	0.8	0.2	0.4	0.09	0.03	0.09
North Dakota	0.1	0.1	1.9	1.1	0.01	0.03	0.04
Ohio	0.0	0.0	1.2	0.0	0.05	0.02	NA
Oklahoma	1.9	1.4	0.9	0.7	0.12	0.22	0.04
Oregon	0.0	0.0	1.7	0.8	0.00	0.00	0.00
Pennsylvania	1.3	1.7	2.3	1.1	0.08	0.10	0.13
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	2.8	1.2	0.8	0.7	0.40	0.12	0.09
South Dakota	1.6	1.1	NA	NA	0.48	NA	NA
Tennessee	2.3	1.2	1.1	0.8	0.26	0.20	0.09
Texas	1.5	0.7	NA	NA	0.35	0.18	0.06
Utah	0.5	0.1	0.2	0.3	0.00	0.00	0.15
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	0.7	1.3	1.5	0.8	0.26	0.13	0.27
Washington	1.5	0.8	1.8	0.9	0.06	0.03	0.04
West Virginia	3.4	0.7	1.9	1.3	0.06	0.07	0.00
Wisconsin	2.1	4.0	1.9	1.4	0.00	NA	NA
Wyoming	0.4	1.2	NA	NA	0.08	0.09	NA
Total	0.5	0.3	0.7	0.4	0.07	0.05	0.05

NA Not available.

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

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Glossary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nominal Dollars: A measure used to express nominal price.

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

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

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

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

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

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

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

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

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

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

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

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