



Independent Statistics & Analysis
U.S. Energy Information
Administration

Natural Gas Monthly

July 2021



This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the Department of Energy or other Federal agencies.

Contacts

The *Natural Gas Monthly* (NGM) is prepared by the U.S. Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of the Acting Director of the Office of Energy Production, Conversion, and Delivery, Thomas Leckey.

General inquiries about energy data can be directed to EIA's Office of Communications via email at infoctr@eia.gov.

Specific questions about the information in this report may be directed to:

Consumption and Consumer Prices.....	Michael Kopalek (michael.kopalek@eia.gov , 202-586-4001)
Imports and Exports.....	Jose Villar (jose.villar@eia.gov , 202-586-9613)
Natural Gas Production	Jeffrey Little (jeffrey.little@eia.gov , 202-586-6284)
Quality	Vicki Spangler (vicki.spangler@eia.gov , 202-586-8555)
Supplemental Gaseous Fuels	Michael Kopalek (michael.kopalek@eia.gov , 202-586-4001)
Underground Storage	Jose Villar (jose.villar@eia.gov , 202-586-9613)

Other contributors to this report include Sharon Belcher, Bridgette Brown, and Gary Long.

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.

Contents

Highlights	1
Common Abbreviations	2
Appendices	
A. Explanatory Notes.....	101
B. Data Sources	109
C. Statistical Considerations.....	115
Glossary	125

Tables

1. Summary of Natural Gas Supply and Disposition in the United States, 2016-2021.....	3
2. Natural Gas Consumption in the United States, 2016-2021	5
3. Selected National Average Natural Gas Prices, 2016-2021.....	7
4. U.S. Natural Gas Imports, 2019-2021.....	9
5. U.S. Natural Gas Exports, 2019-2021	14
6. Gross Withdrawals of Natural Gas in Selected States and the Federal Gulf of Mexico, 2016-2021.....	24
7. Marketed Production of Natural Gas in Selected States and the Federal Gulf of Mexico, 2016-2021.....	26
8. Underground Natural Gas Storage - All Operators, 2016-2021	29
9. Underground Natural Gas Storage - by Season, 2019-2021	30
10. Underground Natural Gas Storage - Salt Cavern Storage Fields, 2016-2021.....	31
11. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 2016-2021.....	32
12. Net Withdrawals from Underground Storage, by State, 2019-2021	33
13. Activities of Underground Natural Gas Storage Operators, by State, May 2021.....	38
14. Natural Gas Deliveries to Residential Consumers, by State, 2019-2021.....	39
15. Natural Gas Deliveries to Commercial Consumers, by State, 2019-2021	44
16. Natural Gas Deliveries to Industrial Consumers, by State, 2019-2021	49
17. Natural Gas Deliveries to Electric Power Consumers, by State, 2019-2021	54
18. Natural Gas Deliveries to All Consumers, by State, 2019-2021	59
19. Average Citygate Price, by State, 2019-2021	64
20. Average Price of Natural Gas Sold to Residential Consumers, by State, 2019-2021	69
21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2019-2021.....	74
22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2019-2021.....	79
23. Average Price of Natural Gas Sold to Electric Power Consumers, by State, 2019-2021	84
24. Percentage of Total Deliveries Included in Residential, Commercial, and Industrial Prices, by State, 2019-2021.....	89
25. Heating Value of Natural Gas Consumed, by State, 2019-2021	96
A1. Methodology for Most Recent Monthly Natural Gas Supply and Disposition Data of Tables 1 and 2	103
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, May 2021.....	123

Figures

1. Production, Consumption, and Net Imports of Natural Gas in the United States, 2018-2021	4
2. Natural Gas Deliveries to Consumers in the United States, 2018-2021.....	6
3. Citygate and Consumer Prices of Natural Gas in the United States, 2018-2021	8
4. Spot Prices of Natural Gas and Natural Gas Plant Liquids in the United States, 2018-2021	8
5. Working Gas in Underground Natural Gas Storage in the United States, 2018-2021	29
6. Percentage of Total Deliveries Included in Residential, Commercial, and Industrial Price Estimates, 2018-2021	95

Highlights

This issue of the *Natural Gas Monthly* (NGM) contains state and national-level estimates of natural gas volume and price data through May 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	€536	-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	-316	-4	-4	2,440
December	€3,508	€3,094	225	€2,869	6	-287	587	-17	3,158
Total	€40,690	€36,173	2,737	€33,436	64	-2,732	-178	-107	30,482
2021									
January	€3,506	€3,100	232	€2,868	5	-279	707	-15	3,286
February	€2,924	€2,577	170	€2,407	6	R-152	781	R-8	3,034
March	RE3,482	RE3,081	229	RE2,852	5	R-357	59	R48	R2,607
April	RE3,390	RE3,008	R238	RE2,770	5	R-353	-174	R-5	2,244
May	€3,500	€3,109	245	€2,864	3	-370	-416	18	2,100
2021 5-Month YTD	€16,801	€14,875	1,115	€13,760	25	-1,510	957	39	13,271
2020 5-Month YTD	€17,164	€15,242	1,106	€14,136	28	-1,188	401	-24	13,354
2019 5-Month YTD	16,609	14,698	1,025	13,672	25	-584	679	-135	13,658

^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.

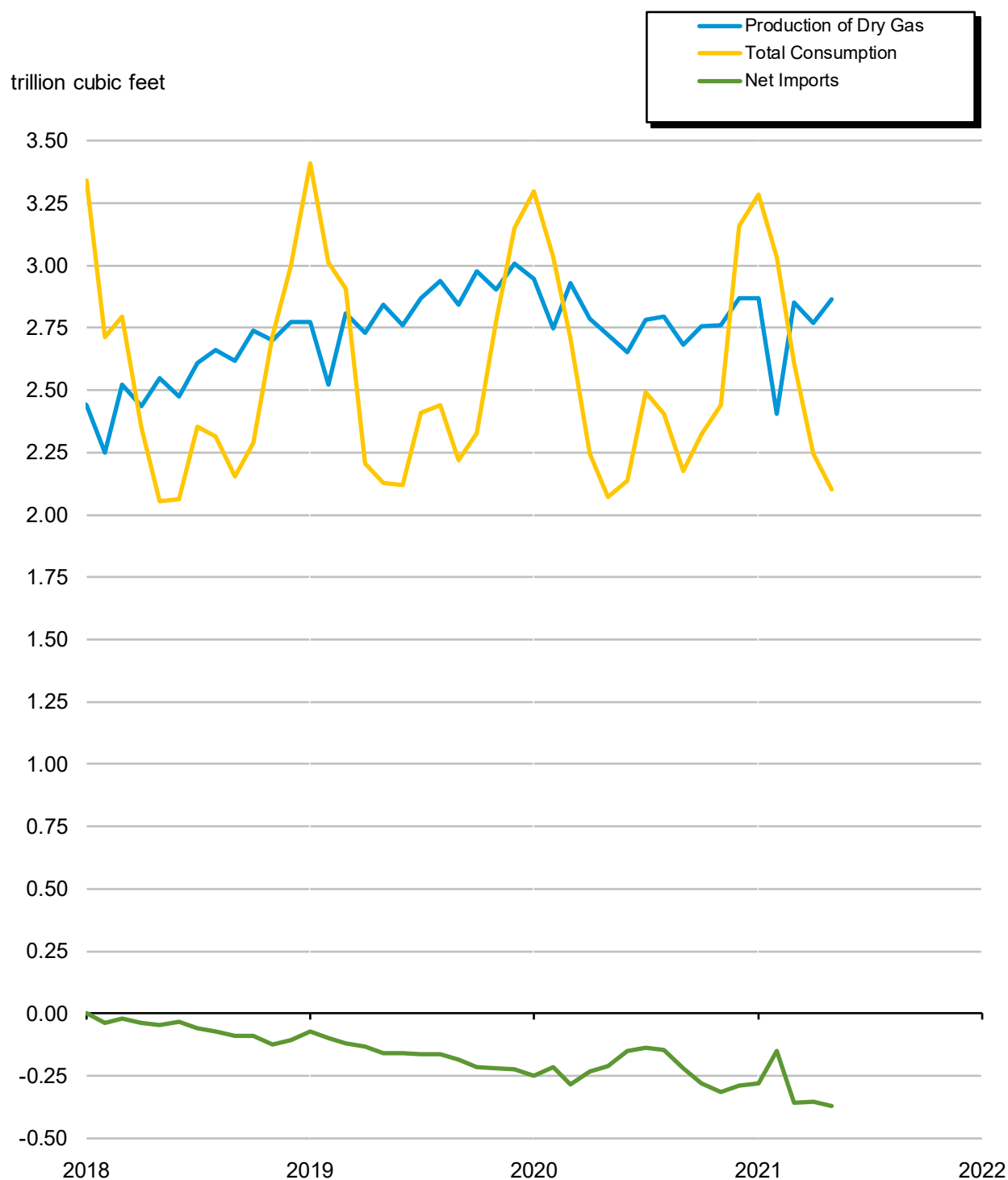
^{RE} Revised estimated data.

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	£130	£92	860	489	670	788	£5	2,811	3,034	1,041
March	£156	£79	567	353	703	744	£5	2,372	2,607	1,038
April	£152	£68	340	246	680	754	£5	2,024	2,244	1,036
May	£157	£64	216	181	661	816	£5	1,879	2,100	1,035
2021 5-Month YTD	£752	£403	2,859	1,760	3,505	3,968	£25	12,116	13,271	1,038
2020 5-Month YTD	£771	£405	2,688	1,665	3,512	4,287	£24	12,177	13,354	1,039
2019 5-Month YTD	743	417	2,991	1,881	3,622	3,982	21	12,498	13,658	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.

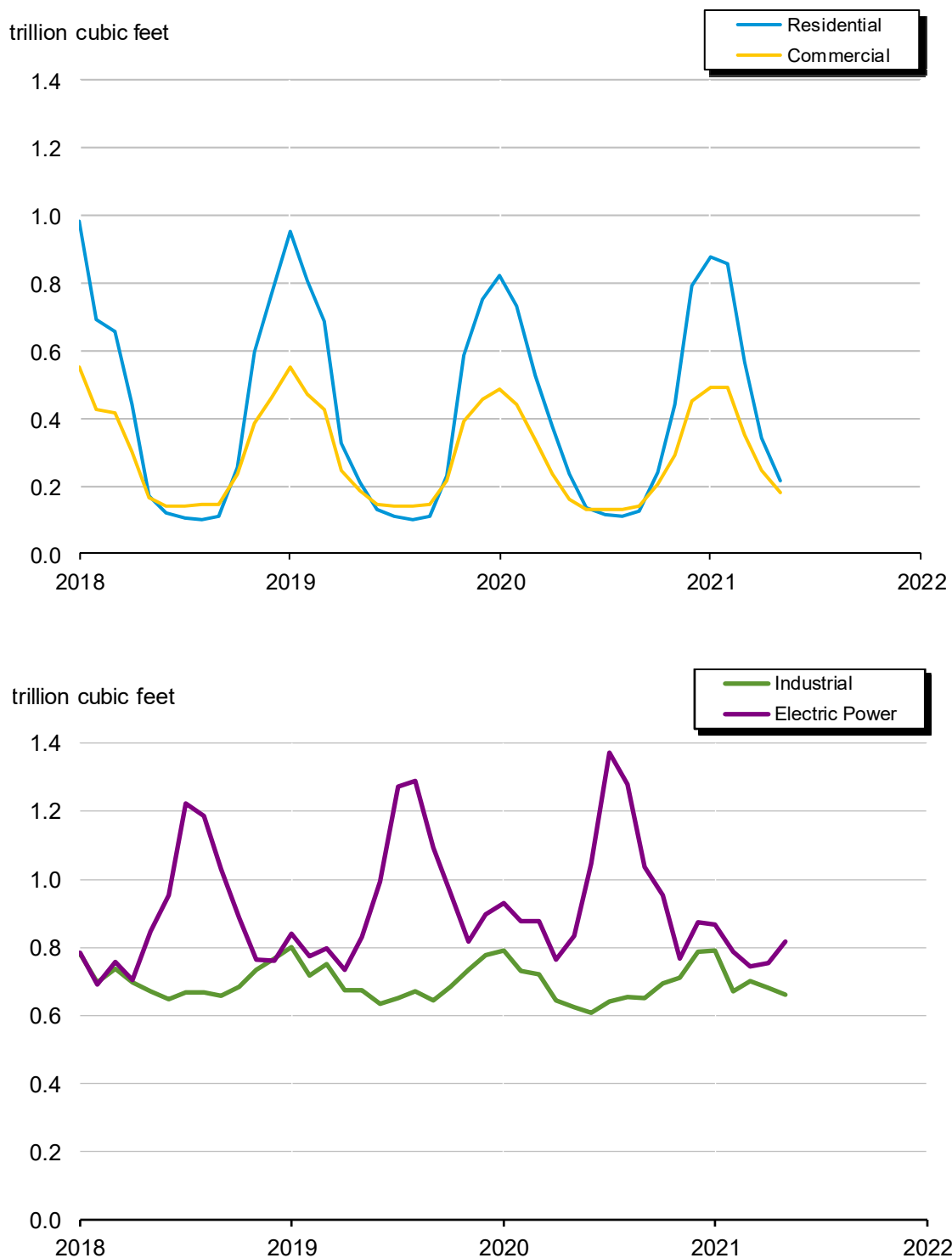
^E Estimated data.

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
May	7.39	2.91	4.33	14.01	96.2	8.97	59.9	4.09	13.1	3.35
2021 5-Month YTD	7.35	3.21	6.32	10.45	96.5	7.81	67.8	5.07	13.2	5.89
2020 5-Month YTD	3.81	1.84	3.20	9.86	96.2	7.21	66.7	3.30	13.0	2.39
2019 5-Month YTD	6.26	2.81	3.94	9.83	96.1	7.62	67.8	4.36	13.4	3.48

^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.

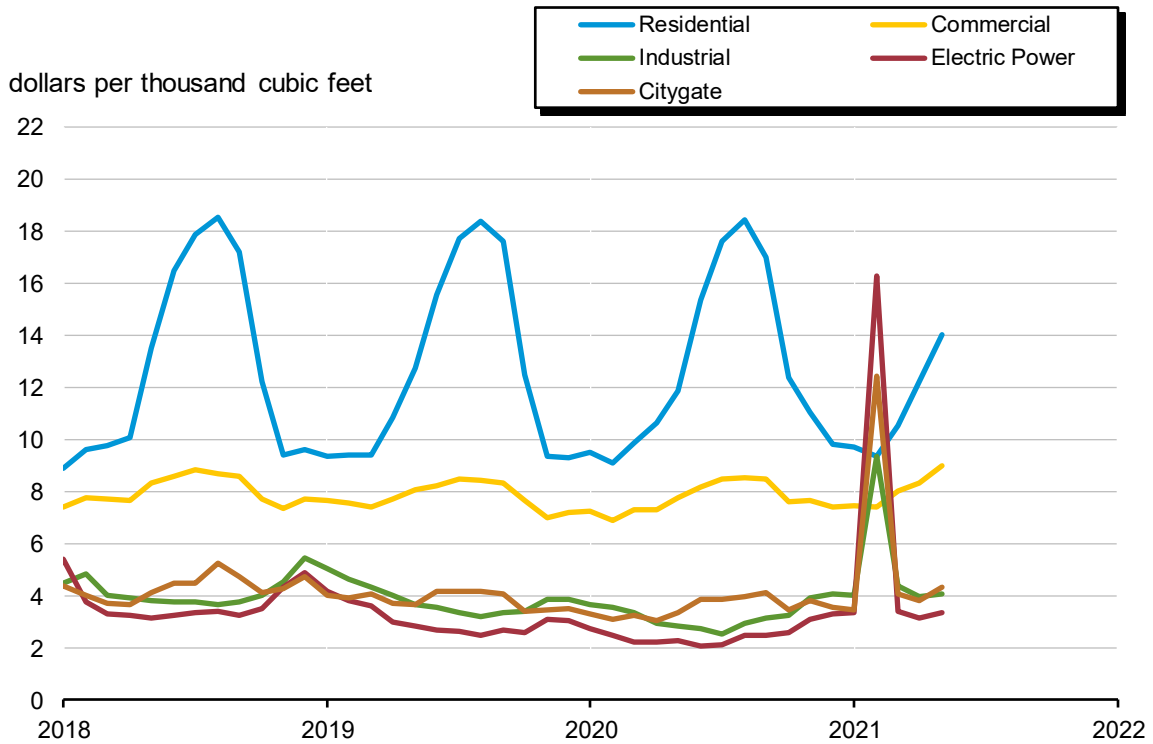
^c Percentage of total deliveries represented by onsystem sales (see Figure 6). See Table 24 for state data.

^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.

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.

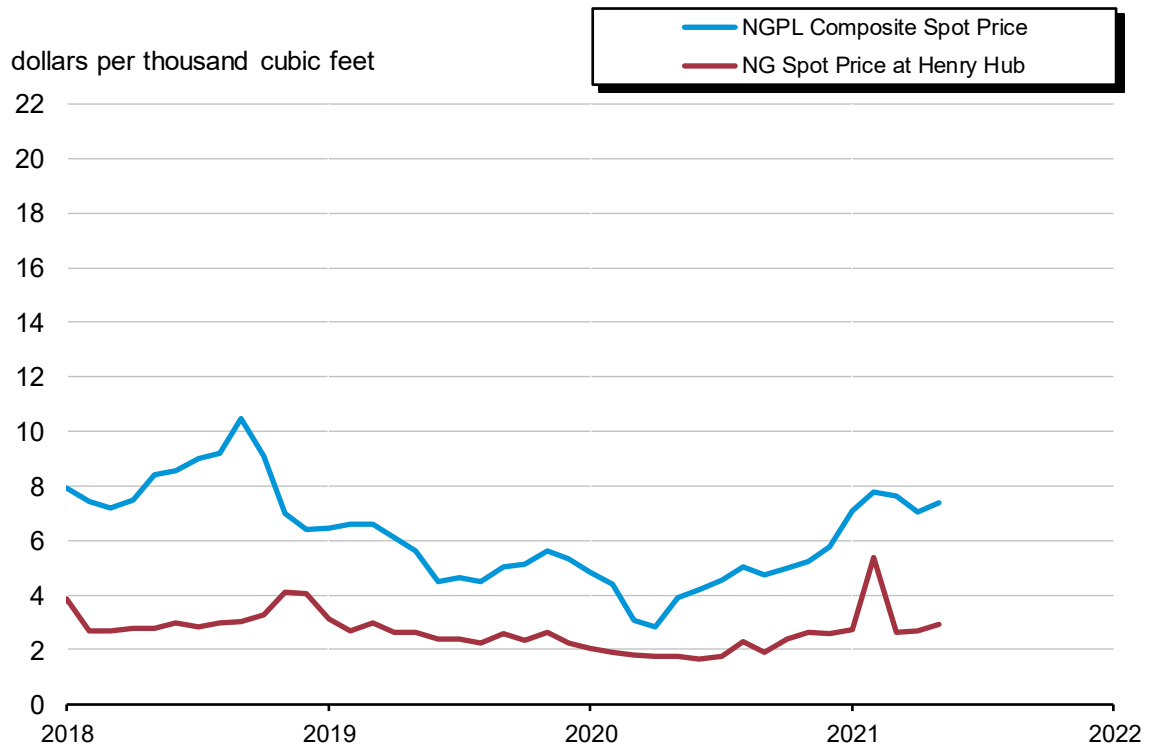
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2018-2021



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 5-Month YTD	2020 5-Month YTD	2019 5-Month YTD	May	April	March	2021 February
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	1,191,661	1,061,400	1,162,410	203,154	208,290	237,299	265,310
Mexico	1,138	878	443	40	52	56	933
Total Pipeline Imports	1,192,799	1,062,278	1,162,853	203,194	208,342	237,355	266,243
LNG							
By Truck							
Canada	33	4	217	13	8	2	7
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	15,132	23,173	25,519	1,662	0	1,406	5,688
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	15,165	27,793	28,386	1,675	8	1,409	5,694
CNG							
Canada	107	136	189	21	19	23	23
Total CNG Imports	107	136	189	21	19	23	23
Total Imports	1,208,071	1,090,207	1,191,429	204,890	208,369	238,787	271,961
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.27	1.85	2.99	2.66	2.44	2.63	5.51
Mexico	13.12	2.03	3.63	2.52	2.47	3.10	15.39
Total Pipeline Imports	3.28	1.85	2.99	2.66	2.44	2.63	5.54
LNG							
By Truck							
Canada	5.20	6.83	7.11	3.68	3.68	8.24	8.07
By Vessel							
France	--	--	10.39	--	--	--	--
Nigeria	--	5.30	--	--	--	--	--
Norway	--	6.16	--	--	--	--	--
Trinidad/Tobago	8.37	4.92	8.70	7.58	--	8.36	9.44
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	8.36	5.07	8.84	7.55	3.68	8.36	9.44
CNG							
Canada	4.46	4.01	4.41	3.06	3.09	4.59	5.83
Total CNG Imports	4.46	4.01	4.41	3.06	3.09	4.59	5.83
Total Imports	3.45	2.06	3.34	2.76	2.44	2.71	5.82
Net Imports - Volume	-1,510,150	-1,188,157	-583,632	-369,611	R-352,521	R-356,588	R-152,012

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

	2021						2020
	January	Total	December	November	October	September	August
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	277,608	R2,500,122	261,053	208,814	R199,184	172,869	208,069
Mexico	57	1,706	56	57	89	99	376
Total Pipeline Imports	277,665	R2,501,828	261,108	208,871	R199,273	172,968	208,445
LNG							
By Truck							
Canada	3	43	7	4	8	6	9
By Vessel							
France	0	0	0	0	0	0	0
Nigeria	0	6,906	2,629	0	0	0	0
Norway	0	3,032	0	0	0	0	0
Trinidad/Tobago	6,376	39,233	2,853	2,841	0	1,235	2,874
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	6,379	49,214	5,489	2,846	8	1,241	2,883
CNG							
Canada	21	300	20	20	25	17	24
Total CNG Imports	21	300	20	20	25	17	24
Total Imports	284,065	R2,551,342	266,618	211,736	R199,306	174,225	211,352
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.75	2.00	2.72	2.64	2.17	1.99	1.87
Mexico	2.91	3.48	3.07	3.20	2.97	3.41	7.81
Total Pipeline Imports	2.75	2.00	2.72	2.64	2.17	1.99	1.88
LNG							
By Truck							
Canada	6.92	6.09	6.52	4.69	4.74	6.40	5.31
By Vessel							
France	--	--	--	--	--	--	--
Nigeria	--	3.50	4.11	--	--	--	--
Norway	--	6.16	--	--	--	--	--
Trinidad/Tobago	7.62	4.67	6.86	6.94	--	3.38	1.50
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	7.62	4.60	5.54	6.93	4.74	3.40	1.52
CNG							
Canada	5.41	3.26	3.82	3.86	2.27	2.26	2.39
Total CNG Imports	5.41	3.26	3.82	3.86	2.27	2.26	2.39
Total Imports	3.03	2.05	2.89	2.79	2.17	2.02	1.90
Net Imports - Volume	-279,418	R-2,732,265	-286,558	-316,474	R-282,314	-221,199	-147,807

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						
	July	June	May	April	March	February	January
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	206,195	182,539	183,618	186,752	210,237	232,269	248,524
Mexico	119	32	63	60	100	355	300
Total Pipeline Imports	206,315	182,571	183,681	186,812	210,337	232,624	248,824
LNG							
By Truck							
Canada	4	0	*	0	3	1	1
By Vessel							
France	0	0	0	0	0	0	0
Nigeria	0	2,693	0	0	0	0	1,584
Norway	0	0	0	0	0	0	3,032
Trinidad/Tobago	4,078	2,178	2,811	3,214	2,857	5,689	8,602
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	4,083	4,871	2,811	3,214	2,860	5,689	13,218
CNG							
Canada	22	36	26	23	34	15	38
Total CNG Imports	22	36	26	23	34	15	38
Total Imports	210,419	187,478	186,518	190,049	213,231	238,328	262,080
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	1.58	1.53	1.58	1.49	1.62	1.94	2.43
Mexico	1.89	0.84	1.51	1.26	1.64	2.11	2.34
Total Pipeline Imports	1.58	1.53	1.58	1.49	1.62	1.94	2.43
LNG							
By Truck							
Canada	9.96	--	5.75	--	6.30	6.74	8.81
By Vessel							
France	--	--	--	--	--	--	--
Nigeria	--	1.84	--	--	--	--	5.30
Norway	--	--	--	--	--	--	6.16
Trinidad/Tobago	4.59	1.33	4.26	1.48	4.34	5.66	6.11
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	4.59	1.61	4.26	1.48	4.34	5.67	6.03
CNG							
Canada	2.24	2.13	2.37	2.27	2.92	3.99	7.16
Total CNG Imports	2.24	2.13	2.37	2.27	2.92	3.99	7.16
Total Imports	1.73	1.57	1.68	1.51	1.71	2.16	2.91
Net Imports - Volume	-138,748	-151,009	-208,954	-230,717	-284,206	-215,917	-248,363

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
	Total	December	November	October	September	August	July
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	2,686,564	244,590	220,843	204,908	208,201	217,054	227,488
Mexico	1,873	949	109	69	63	114	62
Total Pipeline Imports	2,688,436	245,539	220,952	204,977	208,264	217,167	227,550
LNG							
By Truck							
Canada	226	3	1	*	0	*	*
By Vessel							
France	2,651	0	0	0	0	0	0
Nigeria	3,154	3,154	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	46,872	7,323	2,780	5,532	0	2,886	2,832
United Kingdom	0	0	0	0	0	0	0
Total LNG Imports	52,903	10,481	2,781	5,532	0	2,886	2,832
CNG							
Canada	377	33	31	28	22	23	26
Total CNG Imports	377	33	31	28	22	23	26
Total Imports	2,741,717	256,053	223,765	210,537	208,286	220,076	230,407
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.44	2.84	2.66	1.96	1.65	1.63	1.72
Mexico	2.83	2.72	2.71	2.28	2.09	2.24	2.29
Total Pipeline Imports	2.44	2.84	2.66	1.96	1.65	1.63	1.72
LNG							
By Truck							
Canada	7.19	9.98	8.98	6.33	--	6.00	6.33
By Vessel							
France	10.39	--	--	--	--	--	--
Nigeria	5.56	5.56	--	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	7.40	6.42	7.12	4.65	--	4.57	6.73
United Kingdom	--	--	--	--	--	--	--
Total LNG Imports	7.44	6.17	7.12	4.65	--	4.57	6.73
CNG							
Canada	3.43	5.80	4.52	2.48	0.36	0.61	0.68
Total CNG Imports	3.43	5.80	4.52	2.48	0.36	0.61	0.68
Total Imports	2.54	3.23	2.80	2.15	1.65	1.73	1.86
Net Imports - Volume	-1,914,608	-224,953	-217,597	-215,237	-186,225	-164,907	-162,993

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					
	June	May	April	March	February	January
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	201,069	207,535	203,620	249,309	225,650	276,296
Mexico	64	78	65	133	100	67
Total Pipeline Imports	201,133	207,613	203,685	249,443	225,750	276,363
LNG						
By Truck						
Canada	5	9	31	44	56	78
By Vessel						
France	0	0	0	0	0	2,651
Nigeria	0	0	0	0	0	0
Norway	0	0	0	0	0	0
Trinidad/Tobago	0	0	2,811	3,456	7,499	11,753
United Kingdom	0	0	0	0	0	0
Total LNG Imports	5	9	2,842	3,499	7,555	14,482
CNG						
Canada	26	29	32	47	39	42
Total CNG Imports	26	29	32	47	39	42
Total Imports	201,163	207,651	206,559	252,989	233,344	290,886
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	1.54	1.81	1.97	3.63	3.60	3.55
Mexico	2.08	1.89	2.40	4.06	5.29	3.55
Total Pipeline Imports	1.54	1.81	1.97	3.63	3.60	3.55
LNG						
By Truck						
Canada	8.44	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	8.44	7.66	7.32	7.70	8.97	9.36
CNG						
Canada	0.85	0.94	1.57	3.48	6.48	8.08
Total CNG Imports	0.85	0.94	1.57	3.48	6.48	8.08
Total Imports	1.54	1.81	2.14	3.79	4.06	4.30
Net Imports - Volume	-159,063	-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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	399,554	402,638	413,526	70,561	74,567	91,301	78,198
Mexico	862,315	762,283	728,773	189,018	179,505	183,051	137,381
Total Pipeline Exports	1,261,869	1,164,921	1,142,299	259,579	254,072	274,352	215,579
LNG							
Exports							
By Vessel							
Argentina	22,949	8,372	13,107	16,226	4,485	2,238	0
Bahamas	187	90	64	45	46	39	29
Bangladesh	23,880	7,046	0	6,948	10,219	3,566	0
Barbados	98	122	83	19	30	14	19
Belgium	5,584	25,028	3,390	2,100	0	3,484	0
Brazil	87,568	25,762	12,623	19,726	11,615	21,977	13,118
Chile	65,519	45,200	28,555	17,598	10,293	21,320	6,524
China	155,400	53,374	6,851	37,731	46,837	28,476	3,415
Colombia	892	1,528	5,869	0	892	0	0
Croatia	14,397	0	0	3,364	3,666	7,367	0
Dominican Republic	26,349	7,264	2,942	5,283	2,905	5,577	5,689
Egypt	0	0	0	0	0	0	0
France	100,162	76,456	51,870	11,926	36,120	73,678	14,851
Greece	14,201	26,832	6,891	6,796	0	6,805	0
Haiti	47	46	2	12	3	10	11
India	93,534	47,763	42,149	28,259	13,752	17,381	13,776
Israel	6,051	3,197	0	0	3,225	2,826	0
Italy	20,558	42,406	27,200	2,923	6,896	10,739	0
Jamaica	13,826	9,554	5,211	2,925	2,370	2,458	2,365
Japan	164,090	107,602	56,338	25,058	28,756	27,673	18,271
Jordan	0	3,294	14,649	0	0	0	0
Kuwait	7,526	3,297	3,502	0	3,705	3,821	0
Lithuania	16,206	6,418	0	3,049	3,078	3,228	6,851
Malaysia	0	0	0	0	0	0	0
Malta	2,928	2,648	413	0	2,928	0	0
Mexico	13,354	16,968	58,678	0	0	0	13,354
Netherlands	93,600	51,683	37,585	26,611	17,060	24,204	22,777
Pakistan	10,426	10,224	6,647	0	3,323	3,421	0
Panama	6,136	7,384	6,461	2,341	0	3,279	0
Poland	21,569	23,324	16,877	3,581	7,382	3,507	7,099
Portugal	21,483	16,964	17,498	10,765	7,358	0	3,360
Singapore	17,378	10,610	17,597	3,089	7,297	3,303	0
South Korea	173,950	128,970	83,813	46,033	21,683	32,203	18,094
Spain	53,219	120,611	48,520	5,234	22,974	13,900	3,733
Taiwan	40,521	30,082	9,658	10,157	6,594	13,450	0
Thailand	10,841	25,664	3,401	3,453	7,388	0	0
Turkey	53,947	84,120	19,281	3,017	0	3,619	20,652
United Arab Emirates	0	3,474	6,787	0	0	0	0
United Kingdom	97,682	79,514	17,753	10,586	13,877	17,440	34,343
By Truck							
Canada	33	2	1	18	15	0	0
Mexico	261	373	386	48	48	19	63
Total LNG Exports	1,456,352	1,113,264	632,652	314,922	306,818	321,023	208,394
CNG							
Canada	0	179	110	0	0	0	0
Total CNG Exports	0	179	110	0	0	0	0
Total Exports	2,718,221	2,278,364	1,775,061	574,501	560,890	595,375	423,972

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
	January	Total	December	November	October	September	August
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	84,927	902,449	84,307	81,358	72,833	62,211	60,810
Mexico	173,360	1,990,809	164,577	166,135	185,799	182,068	185,867
Total Pipeline Exports	258,287	2,893,258	248,884	247,493	258,632	244,279	246,677
LNG							
Exports							
By Vessel							
Argentina	0	17,232	0	0	0	0	4,413
Bahamas	28	257	36	31	25	20	21
Bangladesh	3,148	10,660	0	0	0	0	0
Barbados	17	241	25	15	17	14	14
Belgium	0	31,946	0	3,633	3,285	0	0
Brazil	21,132	111,908	29,927	30,191	22,508	0	3,520
Chile	9,784	80,615	9,793	3,252	6,836	3,277	7,428
China	38,940	214,401	45,525	45,083	35,115	11,245	13,699
Colombia	0	4,626	0	0	0	2,548	550
Croatia	0	3,275	3,275	0	0	0	0
Dominican Republic	6,895	26,050	5,000	5,106	5,909	0	2,772
Egypt	0	0	0	0	0	0	0
France	3,587	90,237	3,752	3,390	6,639	0	0
Greece	600	48,403	3,382	3,543	0	7,027	0
Haiti	12	118	17	11	9	8	11
India	20,367	124,402	10,241	10,299	17,762	10,514	10,319
Israel	0	15,834	0	0	0	3,041	3,001
Italy	0	68,453	0	3,083	0	0	6,734
Jamaica	3,708	17,052	2,374	0	2,514	2,610	0
Japan	64,331	288,058	54,004	32,967	31,636	6,855	22,541
Jordan	0	6,872	0	0	0	3,578	0
Kuwait	0	17,293	0	0	3,603	3,508	6,886
Lithuania	0	28,879	6,291	3,621	6,191	3,308	0
Malaysia	0	0	0	0	0	0	0
Malta	0	2,648	0	0	0	0	0
Mexico	0	34,408	0	3,056	7,398	3,285	3,701
Netherlands	2,949	85,573	3,316	6,684	3,603	6,671	0
Pakistan	3,682	36,934	0	3,436	10,009	9,853	3,412
Panama	516	12,764	271	1,448	433	3,228	0
Poland	0	36,900	7,033	0	3,157	0	0
Portugal	0	36,922	3,711	5,830	3,564	6,853	0
Singapore	3,688	28,341	0	7,658	3,416	0	2,967
South Korea	55,936	316,613	39,617	49,103	14,321	32,126	13,814
Spain	7,377	199,966	13,583	9,907	14,118	15,206	3,222
Taiwan	10,319	64,363	12,470	6,216	3,636	9,007	0
Thailand	0	32,622	0	3,705	0	0	0
Turkey	26,659	123,957	20,188	12,817	0	3,611	0
United Arab Emirates	0	10,110	0	0	0	0	3,359
United Kingdom	21,436	160,199	30,378	26,544	17,191	3,664	0
By Truck							
Canada	0	10	8	0	0	0	0
Mexico	83	822	46	52	68	73	78
Total LNG Exports	305,196	2,389,963	304,263	280,682	222,963	151,128	112,462
CNG							
Canada	0	386	29	35	26	17	20
Total CNG Exports	0	386	29	35	26	17	20
Total Exports	563,483	5,283,607	553,176	528,210	481,621	395,424	359,159

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
	July	June	May	April	March	February	January
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	71,778	66,516	67,752	71,722	86,579	77,354	99,231
Mexico	181,152	162,927	145,242	138,544	166,550	151,071	160,875
Total Pipeline Exports	252,930	229,442	212,994	210,266	253,130	228,425	260,106
LNG							
Exports							
By Vessel							
Argentina	2,218	2,229	8,372	0	0	0	0
Bahamas	15	18	20	23	20	13	15
Bangladesh	3,614	0	3,406	0	0	0	3,640
Barbados	15	20	20	15	28	26	33
Belgium	0	0	1,348	3,324	3,724	9,872	6,761
Brazil	0	0	0	0	6,891	10,433	8,438
Chile	1,515	3,313	11,068	14,098	3,216	10,731	6,087
China	10,358	0	14,535	21,140	17,699	0	0
Colombia	0	0	0	0	0	1,003	525
Croatia	0	0	0	0	0	0	0
Dominican Republic	0	0	2,554	1,838	2,872	0	0
Egypt	0	0	0	0	0	0	0
France	0	0	9,546	16,336	23,491	20,520	6,563
Greece	6,544	1,076	3,430	3,233	8,892	0	11,276
Haiti	8	7	10	8	9	11	7
India	7,404	10,100	10,534	16,674	17,245	0	3,309
Israel	3,317	3,277	0	0	3,197	0	0
Italy	3,232	12,998	6,452	3,135	9,895	16,616	6,308
Jamaica	0	0	0	5,770	1	2,914	869
Japan	10,618	21,836	13,729	18,387	21,845	21,360	32,280
Jordan	0	0	3,294	0	0	0	0
Kuwait	0	0	0	3,297	0	0	0
Lithuania	0	3,049	3,473	2,945	0	0	0
Malaysia	0	0	0	0	0	0	0
Malta	0	0	0	0	0	48	2,600
Mexico	0	0	0	0	7,037	3,167	6,764
Netherlands	6,746	6,870	6,826	10,305	13,772	14,099	6,681
Pakistan	0	0	0	3,334	0	3,567	3,323
Panama	0	0	3,070	0	906	3,408	0
Poland	0	3,385	6,258	3,523	3,583	6,677	3,282
Portugal	0	0	0	10,777	0	6,187	0
Singapore	3,690	0	0	0	10,610	0	0
South Korea	10,492	28,171	20,921	24,258	28,095	11,071	44,625
Spain	13,679	9,640	29,360	22,943	23,657	20,240	24,412
Taiwan	0	2,953	6,662	0	6,987	7,115	9,317
Thailand	3,254	0	7,397	11,049	3,783	3,435	0
Turkey	3,222	0	6,661	14,030	6,489	24,303	32,637
United Arab Emirates	3,277	0	3,474	0	0	0	0
United Kingdom	2,908	0	0	0	20,202	28,884	30,428
By Truck							
Canada	0	0	0	0	0	0	2
Mexico	72	61	18	23	123	87	122
Total LNG Exports	96,200	109,002	182,438	210,466	244,269	225,786	250,305
CNG							
Canada	37	43	39	35	38	34	33
Total CNG Exports	37	43	39	35	38	34	33
Total Exports	349,167	338,486	395,472	420,767	497,437	454,245	510,444

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
	Total	December	November	October	September	August	July
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	971,334	109,175	92,089	76,246	71,573	78,302	68,613
Mexico	1,865,329	151,308	158,633	171,535	162,649	168,089	167,902
Total Pipeline Exports	2,836,662	260,483	250,722	247,781	234,222	246,391	236,515
LNG							
Exports							
By Vessel							
Argentina	39,293	0	0	0	0	0	13,066
Bahamas	156	11	14	8	2	20	11
Bangladesh	3,419	3,419	0	0	0	0	0
Barbados	211	20	20	25	17	17	17
Belgium	23,897	10,407	3,293	3,402	3,404	0	0
Brazil	54,298	0	3,279	3,345	6,117	12,868	6,949
Chile	90,357	7,207	3,484	6,608	9,811	6,297	9,382
China	6,851	0	0	0	0	0	0
Colombia	6,518	0	0	0	0	649	0
Croatia	0	0	0	0	0	0	0
Dominican Republic	10,334	501	0	2,927	2,857	0	0
Egypt	0	0	0	0	0	0	0
France	117,791	14,758	26,946	14,228	6,740	3,249	0
Greece	14,643	7,752	0	0	0	0	0
Haiti	42	12	8	4	9	3	2
India	91,481	7,090	6,933	6,961	14,355	7,294	3,485
Israel	0	0	0	0	0	0	0
Italy	68,655	12,764	6,345	0	3,230	6,082	9,963
Jamaica	13,892	2,435	2,464	0	0	2,946	837
Japan	201,085	21,226	17,603	24,504	28,084	17,506	21,242
Jordan	32,332	0	0	0	3,616	3,277	3,449
Kuwait	10,308	0	0	0	0	3,401	3,405
Lithuania	3,455	3,455	0	0	0	0	0
Malaysia	3,698	0	3,698	0	0	0	0
Malta	413	0	0	0	0	0	0
Mexico	143,371	9,696	3,273	6,437	10,442	13,681	24,209
Netherlands	81,361	13,405	10,099	3,456	3,431	6,688	3,386
Pakistan	26,787	3,253	3,247	3,472	6,512	0	3,656
Panama	10,221	0	478	0	0	0	0
Poland	38,042	7,013	3,432	3,489	0	3,537	3,694
Portugal	53,342	6,345	0	6,621	2,924	6,051	6,994
Singapore	31,440	3,375	0	3,463	0	0	3,570
South Korea	270,025	38,139	24,962	42,233	10,818	16,995	32,663
Spain	166,684	13,874	19,985	13,704	37,938	15,861	3,297
Taiwan	27,397	3,658	3,736	3,138	0	7,207	0
Thailand	6,635	0	0	0	3,234	0	0
Turkey	30,611	536	7,266	3,528	0	0	0
United Arab Emirates	20,561	0	0	0	3,325	3,502	3,487
United Kingdom	118,662	30,054	39,957	26,260	3,303	1,335	0
By Truck							
Canada	25	0	1	14	9	0	0
Mexico	1,105	93	86	139	95	113	101
Total LNG Exports	1,819,399	220,498	190,610	177,966	160,274	138,578	156,865
CNG							
Canada	263	25	30	28	15	15	20
Total CNG Exports	263	25	30	28	15	15	20
Total Exports	4,656,324	481,006	441,362	425,775	394,511	384,983	393,400

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					
	June	May	April	March	February	January
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	61,809	70,182	71,333	93,182	91,561	87,269
Mexico	156,440	153,452	139,750	149,514	135,514	150,544
Total Pipeline Exports	218,249	223,633	211,083	242,696	227,074	237,813
LNG						
Exports						
By Vessel						
Argentina	13,120	8,737	4,369	0	0	0
Bahamas	25	14	14	11	14	11
Bangladesh	0	0	0	0	0	0
Barbados	13	21	17	14	14	17
Belgium	0	0	0	3,390	0	0
Brazil	9,116	4,905	1,201	3,283	3,234	0
Chile	19,012	6,188	9,429	10,005	2,933	0
China	0	0	0	0	3,464	3,387
Colombia	0	0	0	2,935	0	2,934
Croatia	0	0	0	0	0	0
Dominican Republic	1,108	0	0	0	2,942	0
Egypt	0	0	0	0	0	0
France	0	6,621	17,092	20,853	0	7,303
Greece	0	3,497	0	0	3,394	0
Haiti	3	0	2	0	0	0
India	3,215	13,942	6,742	7,446	6,989	7,030
Israel	0	0	0	0	0	0
Italy	3,072	6,560	0	6,684	3,454	10,502
Jamaica	0	2,890	0	2,320	0	0
Japan	14,582	7,149	14,231	7,143	10,320	17,495
Jordan	7,342	7,332	3,622	0	3,695	0
Kuwait	0	3,502	0	0	0	0
Lithuania	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0
Malta	0	0	413	0	0	0
Mexico	16,955	20,244	10,406	7,038	6,681	14,310
Netherlands	3,310	10,734	13,010	10,452	3,390	0
Pakistan	0	0	0	3,282	3,365	0
Panama	3,282	0	0	3,191	3,269	0
Poland	0	0	3,414	3,701	0	9,762
Portugal	6,908	0	3,489	0	3,720	10,289
Singapore	3,435	3,397	320	6,631	7,249	0
South Korea	20,402	18,069	13,000	18,013	17,750	16,981
Spain	13,506	14,325	10,139	10,678	6,748	6,631
Taiwan	0	3,309	6,349	0	0	0
Thailand	0	3,401	0	0	0	0
Turkey	0	0	2,969	0	6,483	9,829
United Arab Emirates	3,459	0	6,787	0	0	0
United Kingdom	0	0	0	3,669	3,711	10,373
By Truck						
Canada	0	0	0	0	1	0
Mexico	92	75	87	73	48	104
Total LNG Exports	141,956	144,913	127,102	130,814	102,866	126,957
CNG						
Canada	20	22	28	29	15	16
Total CNG Exports	20	22	28	29	15	16
Total Exports	360,226	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 5-Month YTD	2020 5-Month YTD	2019 5-Month YTD	2021			
				May	April	March	February
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.06	1.95	3.26	2.84	2.58	2.86	4.03
Mexico	6.74	1.87	2.95	3.09	2.78	2.93	26.96
Total Pipeline Exports	5.58	1.90	3.06	3.02	2.72	2.91	18.64
LNG							
Exports							
By Vessel							
Argentina	6.18	5.04	5.18	6.11	6.25	6.55	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	5.71	5.03	--	7.01	5.56	6.07	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	5.67	3.66	6.72	7.35	--	4.65	--
Brazil	6.68	4.64	5.47	6.08	5.81	6.53	7.51
Chile	6.27	4.95	3.70	6.55	5.95	6.15	6.97
China	6.09	4.62	6.20	6.43	5.76	6.39	4.46
Colombia	6.25	5.31	3.88	--	6.25	--	--
Croatia	6.52	--	--	6.67	6.25	6.58	--
Dominican Republic	6.84	5.20	3.52	6.59	5.90	6.14	8.99
Egypt	--	--	--	--	--	--	--
France	6.39	5.17	4.86	6.95	5.76	6.75	6.72
Greece	5.71	5.96	5.38	6.11	--	5.33	--
Haiti	10.39	10.39	10.39	10.39	10.39	10.39	10.39
India	6.16	4.65	4.58	6.36	5.48	6.07	6.62
Israel	5.74	5.33	--	--	5.11	6.46	--
Italy	6.65	5.30	5.26	6.11	6.88	6.65	--
Jamaica	6.37	5.23	4.61	6.63	6.22	6.55	6.43
Japan	6.47	5.81	7.39	6.94	6.06	7.01	6.60
Jordan	--	4.80	3.22	--	--	--	--
Kuwait	6.20	4.56	3.94	--	5.75	6.64	--
Lithuania	6.42	4.03	--	6.61	6.16	7.08	6.14
Malaysia	--	--	--	--	--	--	--
Malta	6.22	5.33	3.76	--	6.22	--	--
Mexico	5.68	4.53	4.23	--	--	--	5.68
Netherlands	6.02	5.11	4.77	6.30	6.18	5.81	5.87
Pakistan	6.28	3.73	5.06	--	6.00	8.42	--
Panama	6.56	6.77	7.47	7.35	--	6.07	--
Poland	6.55	4.17	6.37	6.61	6.15	6.55	6.95
Portugal	5.24	5.03	5.33	4.70	5.96	--	5.37
Singapore	5.32	4.18	4.37	6.67	4.77	4.37	--
South Korea	6.21	5.25	3.95	6.81	6.21	5.48	6.64
Spain	6.29	5.37	5.42	6.77	6.34	5.95	6.48
Taiwan	5.72	4.98	4.28	6.65	5.42	5.59	--
Thailand	4.90	4.59	6.42	6.66	4.08	--	--
Turkey	6.51	5.28	5.53	6.42	--	6.59	7.00
United Arab Emirates	--	5.28	3.24	--	--	--	--
United Kingdom	6.19	5.42	4.96	5.78	6.91	6.47	6.16
By Truck							
Canada	11.25	7.70	8.93	11.34	11.14	--	--
Mexico	10.04	8.43	9.30	10.47	11.66	10.39	9.52
Total LNG Exports	6.23	5.14	4.96	6.46	5.92	6.25	6.52
CNG							
Canada	--	3.03	5.20	--	--	--	--
Total CNG Exports	--	3.03	5.20	--	--	--	--
Total Exports	5.93	3.48	3.74	4.91	4.47	6.47	12.68

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
	January	Total	December	November	October	September	August
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.99	2.06	2.80	2.53	2.05	2.00	1.92
Mexico	2.84	2.12	2.87	2.83	2.21	2.30	2.18
Total Pipeline Exports	2.89	2.10	2.85	2.73	2.17	2.23	2.11
LNG							
Exports							
By Vessel							
Argentina	--	4.64	--	--	--	--	3.16
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	2.95	5.17	--	--	--	--	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	--	4.27	--	7.24	5.63	--	--
Brazil	7.35	6.29	6.59	7.10	7.25	--	2.63
Chile	5.91	5.49	5.99	6.01	5.39	6.20	7.33
China	6.09	5.82	6.33	6.33	5.50	6.65	6.84
Colombia	--	5.83	--	--	--	6.23	5.38
Croatia	--	--	6.75	--	--	--	--
Dominican Republic	6.23	5.78	6.32	6.11	5.92	--	5.38
Egypt	--	--	--	--	--	--	--
France	6.09	5.17	7.12	6.19	3.54	--	--
Greece	5.56	5.86	6.08	6.11	--	4.52	--
Haiti	10.39	10.39	10.39	10.39	10.39	10.39	10.39
India	6.10	5.39	6.33	6.73	5.17	5.67	6.63
Israel	--	5.17	--	--	--	6.23	4.84
Italy	--	5.27	--	8.49	--	--	4.07
Jamaica	6.09	4.92	6.27	--	4.25	3.19	--
Japan	6.20	6.38	6.78	6.95	6.76	5.37	6.96
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	5.57	5.51	8.37	6.30	5.10	5.37	--
Pakistan	4.54	4.70	--	6.11	5.60	5.16	2.25
Panama	6.09	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	6.11	5.30	--	6.29	5.63	--	5.88
South Korea	6.01	5.66	6.20	6.86	6.90	5.10	5.23
Spain	6.31	5.60	6.94	6.57	5.71	5.59	5.50
Taiwan	5.17	5.34	6.19	5.21	6.07	5.61	--
Thailand	--	4.80	--	6.22	--	--	--
Turkey	6.13	5.48	6.22	6.10	--	4.22	--
United Arab Emirates	--	5.91	--	--	--	--	7.19
United Kingdom	5.74	5.78	6.23	6.37	5.64	6.85	--
By Truck							
Canada	--	9.45	9.99	--	--	--	--
Mexico	9.16	8.20	8.45	8.62	7.50	8.57	7.98
Total LNG Exports	6.08	5.64	6.48	6.58	5.80	5.53	5.85
CNG							
Canada	--	2.55	3.81	3.33	1.54	1.52	1.68
Total CNG Exports	--	2.55	3.81	3.33	1.54	1.52	1.68
Total Exports	4.62	3.70	4.84	4.77	3.85	3.49	3.28

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
	July	June	May	April	March	February	January
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	1.75	1.77	1.83	1.77	1.81	1.99	2.25
Mexico	1.86	1.78	2.04	1.63	1.71	1.90	2.05
Total Pipeline Exports	1.83	1.78	1.97	1.68	1.74	1.93	2.13
LNG							
Exports							
By Vessel							
Argentina	6.69	4.05	5.04	--	--	--	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	5.44	--	5.80	--	--	--	4.31
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
Brazil	--	--	--	--	5.03	4.32	4.71
Chile	6.69	5.80	5.03	4.55	4.78	5.04	5.68
China	6.31	--	5.47	3.87	4.83	--	--
Colombia	--	--	--	--	--	5.37	5.18
Croatia	--	--	--	--	--	--	--
Dominican Republic	--	--	6.36	4.43	4.67	--	--
Egypt	--	--	--	--	--	--	--
France	--	--	5.98	5.25	5.29	5.08	3.61
Greece	6.67	5.47	5.08	5.08	5.18	--	7.10
Haiti	10.39	10.39	10.39	10.39	10.39	10.39	10.39
India	4.79	5.81	5.45	4.74	3.90	--	5.49
Israel	5.44	4.05	--	--	5.33	--	--
Italy	5.08	5.10	5.27	6.93	5.29	4.75	5.98
Jamaica	--	--	--	5.08	10.39	5.37	5.71
Japan	7.15	6.19	6.42	4.98	5.83	5.63	6.12
Jordan	--	--	4.80	--	--	--	--
Kuwait	--	--	--	4.56	--	--	--
Lithuania	--	5.20	5.28	2.56	--	--	--
Malaysia	--	--	--	--	--	--	--
Malta	--	--	--	--	--	5.39	5.32
Mexico	--	--	--	--	4.82	4.88	4.08
Netherlands	6.13	6.13	6.12	5.17	4.87	4.91	4.87
Pakistan	--	--	--	2.56	--	5.40	3.13
Panama	--	--	5.54	--	5.31	8.26	--
Poland	--	6.93	5.32	3.41	2.17	5.40	2.48
Portugal	--	--	--	5.14	--	4.84	--
Singapore	5.71	--	--	--	4.18	--	--
South Korea	4.91	5.20	5.31	5.36	5.16	5.37	5.19
Spain	5.32	5.85	5.31	4.68	5.41	5.33	6.10
Taiwan	--	4.05	5.97	--	5.34	3.65	5.02
Thailand	4.91	--	5.04	4.77	2.44	5.37	--
Turkey	5.08	--	6.77	4.72	5.31	5.15	5.31
United Arab Emirates	5.28	--	5.28	--	--	--	--
United Kingdom	4.91	--	--	--	4.68	5.52	5.82
By Truck							
Canada	--	--	--	--	--	--	7.70
Mexico	7.56	7.67	5.85	6.05	8.39	8.93	8.94
Total LNG Exports	5.73	5.55	5.53	4.74	4.91	5.12	5.42
CNG							
Canada	1.51	1.37	1.65	1.50	2.13	3.20	7.20
Total CNG Exports	1.51	1.37	1.65	1.50	2.13	3.20	7.20
Total Exports	2.90	2.99	3.61	3.21	3.30	3.51	3.74

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
	Total	December	November	October	September	August	July
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.77	2.61	2.84	2.20	2.22	2.15	2.31
Mexico	2.57	2.39	2.55	2.32	2.46	2.16	2.24
Total Pipeline Exports	2.64	2.48	2.66	2.28	2.38	2.15	2.26
LNG							
Exports							
By Vessel							
Argentina	5.14	--	--	--	--	--	5.24
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	5.03	5.03	--	--	--	--	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	4.97	4.17	6.22	3.47	5.93	--	--
Brazil	5.18	--	6.75	6.02	5.82	4.83	4.57
Chile	4.68	5.77	5.80	4.65	5.52	5.80	4.64
China	6.20	--	--	--	--	--	--
Colombia	4.06	--	--	--	--	5.67	--
Croatia	--	--	--	--	--	--	--
Dominican Republic	4.51	6.08	--	5.51	3.53	--	--
Egypt	--	--	--	--	--	--	--
France	5.33	5.53	5.76	5.67	5.82	5.67	--
Greece	5.90	6.36	--	--	--	--	--
Haiti	10.39	10.39	10.39	10.39	10.39	10.39	10.39
India	4.97	5.47	7.16	4.65	5.15	3.98	6.09
Israel	--	--	--	--	--	--	--
Italy	4.99	4.69	4.99	--	5.81	4.31	5.37
Jamaica	5.29	6.08	6.22	--	--	5.15	5.05
Japan	6.55	6.33	7.31	6.27	5.58	6.88	6.82
Jordan	3.99	--	--	--	5.37	5.24	6.38
Kuwait	4.92	--	--	--	--	5.24	5.60
Lithuania	4.50	4.50	--	--	--	--	--
Malaysia	5.79	--	5.79	--	--	--	--
Malta	3.76	--	--	--	--	--	--
Mexico	4.53	4.37	5.80	6.18	3.85	3.65	5.03
Netherlands	4.78	5.98	4.79	6.55	3.21	3.86	3.20
Pakistan	5.44	3.92	6.22	5.58	5.61	--	6.39
Panama	7.62	--	6.22	--	--	--	--
Poland	5.72	5.88	5.18	6.03	--	5.15	3.17
Portugal	5.16	4.78	--	5.54	5.28	4.98	5.75
Singapore	5.25	6.60	--	5.58	--	--	5.60
South Korea	4.76	5.94	5.71	4.98	5.02	5.45	4.81
Spain	5.39	5.39	6.08	4.86	5.64	4.89	4.81
Taiwan	5.17	6.60	5.71	3.94	--	5.90	--
Thailand	6.12	--	--	--	5.81	--	--
Turkey	5.13	5.57	4.78	3.57	--	--	--
United Arab Emirates	3.99	--	--	--	3.22	5.24	5.60
United Kingdom	5.33	5.50	5.45	5.23	4.77	6.20	--
By Truck							
Canada	9.35	--	6.84	10.29	8.21	--	--
Mexico	9.13	9.43	10.07	9.41	8.53	8.41	8.67
Total LNG Exports	5.20	5.55	5.84	5.31	5.28	5.13	5.29
CNG							
Canada	3.98	6.15	3.54	2.18	1.98	2.18	2.21
Total CNG Exports	3.98	6.15	3.54	2.18	1.98	2.18	2.21
Total Exports	3.64	3.89	4.03	3.55	3.56	3.23	3.47

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					
	June	May	April	March	February	January
Exports						
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.39	2.55	2.72	3.49	3.38	3.89
Mexico	2.24	3.12	2.37	2.77	3.03	3.42
Total Pipeline Exports	2.28	2.94	2.49	3.04	3.17	3.60
LNG						
Exports						
By Vessel						
Argentina	4.99	5.02	5.51	--	--	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	--	--	--	--	--	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	--	--	--	6.72	--	--
Brazil	4.44	5.79	6.62	3.41	6.64	--
Chile	4.77	3.07	4.21	3.41	4.35	--
China	--	--	--	--	4.97	7.47
Colombia	--	--	--	3.41	--	4.35
Croatia	--	--	--	--	--	--
Dominican Republic	6.27	--	--	--	3.52	--
Egypt	--	--	--	--	--	--
France	--	6.23	4.26	5.24	--	3.94
Greece	--	3.97	--	--	6.84	--
Haiti	10.39	--	10.39	--	--	--
India	5.23	4.11	3.48	3.67	5.53	6.60
Israel	--	--	--	--	--	--
Italy	3.15	4.40	--	5.20	4.72	6.00
Jamaica	--	3.07	--	6.52	--	--
Japan	4.30	7.94	6.40	8.00	7.98	7.37
Jordan	3.15	3.07	3.24	--	3.52	--
Kuwait	--	3.94	--	--	--	--
Lithuania	--	--	--	--	--	--
Malaysia	--	--	--	--	--	--
Malta	--	--	3.76	--	--	--
Mexico	5.23	3.74	4.67	3.41	5.06	4.63
Netherlands	3.15	4.38	4.91	5.30	3.81	--
Pakistan	--	--	--	6.64	3.52	--
Panama	8.13	--	--	8.13	6.84	--
Poland	--	--	7.78	3.41	--	7.00
Portugal	4.24	--	3.66	--	3.97	6.39
Singapore	7.75	3.07	6.36	5.86	3.52	--
South Korea	3.54	3.12	4.74	3.41	4.12	4.63
Spain	4.87	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	3.32	--	3.24	--	--	--
United Kingdom	--	--	--	5.15	3.52	5.40
By Truck						
Canada	--	--	--	--	8.93	--
Mexico	8.77	8.85	8.92	9.92	9.17	9.58
Total LNG Exports	4.57	4.39	4.70	4.84	5.06	5.89
CNG						
Canada	2.43	2.49	3.28	5.11	7.70	10.05
Total CNG Exports	2.43	2.49	3.28	5.11	7.70	10.05
Total Exports	3.18	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	€30,061	€10,749	€143,703	€9,965	€221,450	€3,074	€155,072	€73,383	€170,668
March	311,798	€39,947	€12,028	€156,848	€12,340	€281,914	€3,464	€191,096	€86,060	€189,405
April	292,320	€37,907	€11,687	€156,418	€12,309	€273,906	€3,403	€188,399	€84,865	€183,483
May	295,399	€38,718	€12,173	€162,774	€12,627	€284,537	€3,545	€199,732	€89,835	€184,875
2021 5-Month YTD	1,496,488	€186,598	€58,669	€779,884	€59,819	€1,334,048	€17,026	€917,537	€420,191	€935,091
2020 5-Month YTD	1,455,558	€204,913	€74,839	€860,436	€69,031	€1,336,113	€18,106	€831,181	€423,513	€990,718
2019 5-Month YTD	1,438,567	225,231	82,537	808,667	76,631	1,302,750	19,866	730,395	416,678	1,043,170

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	€163,094	€585,221	€655,704	€17,815	€208,571	€101,571	€30,191	€63,571	€2,923,611
March	RE220,130	RE647,681	RE860,109	RE20,356	€227,218	RE112,820	RE34,461	RE74,323	RE3,481,997
April	RE213,812	RE618,508	RE855,434	RE19,861	€225,103	RE109,311	RE33,161	RE70,162	RE3,390,049
May	€222,249	€640,548	€882,975	€20,258	€237,376	€110,873	€34,176	€66,831	€3,499,500
2021 5-Month YTD	€1,040,830	€3,149,661	€4,117,844	€97,525	€1,132,700	€546,777	€165,762	€344,649	€16,801,097
2020 5-Month YTD	€1,217,056	€3,001,963	€4,383,433	€104,152	€1,026,586	€598,154	€172,199	€395,766	€17,163,717
2019 5-Month YTD	1,301,293	2,806,926	4,127,364	114,053	834,597	645,641	193,908	441,192	16,609,467

^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	£30,061	£10,749	£143,329	£9,965	£220,985	£2,750	£149,598	£58,860	£170,668
March	31,481	RE39,947	RE12,028	RE156,440	RE12,340	RE281,322	£3,099	RE184,351	RE69,028	RE189,405
April	29,514	RE37,907	RE11,687	RE156,011	RE12,309	RE273,331	RE3,044	RE181,749	RE68,071	RE183,483
May	29,005	£38,718	£12,173	£162,351	£12,627	£283,940	£3,172	£192,681	£72,057	£184,875
2021 5-Month YTD	149,997	£186,598	£58,669	£777,856	£59,819	£1,331,246	£15,233	£885,148	£337,035	£935,091
2020 5-Month YTD	142,364	£204,913	£74,839	£858,199	£69,031	£1,333,307	£16,200	£801,841	£339,700	£990,718
2019 5-Month YTD	144,421	225,231	82,537	806,703	76,631	1,299,906	17,738	707,487	333,883	1,043,170

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	€163,094	€585,221	€588,953	€17,815	€208,571	€95,863	€29,898	€62,427	€2,577,173
March	RE220,130	RE647,681	RE772,550	RE20,356	€227,218	RE106,480	RE34,127	RE72,986	RE3,080,967
April	RE213,812	RE618,508	RE768,350	RE19,861	€225,103	RE103,167	RE32,839	RE68,900	RE3,007,646
May	€222,249	€640,548	€793,088	€20,258	€237,376	€104,642	€33,845	€65,628	€3,109,231
2021 5-Month YTD	€1,040,830	€3,149,661	€3,698,647	€97,525	€1,132,700	€516,048	€164,154	€338,445	€14,874,702
2020 5-Month YTD	€1,217,056	€3,001,963	€3,937,200	€104,152	€1,026,586	€564,537	€170,529	€388,643	€15,241,776
2019 5-Month YTD	1,301,293	2,806,926	3,672,255	114,053	834,597	605,084	192,057	433,858	14,697,829

^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 ^c	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	536
March	4,379	2,029	6,409	844	71.3	236	285	49
April	4,384	2,332	6,716	773	49.6	437	131	-306
May	4,387	2,778	7,164	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	4,380	1,974	6,354	-358	-15.4	347	173	-174
May	4,383	2,388	6,771	-390	-14.0	491	75	-416

^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.

^R Revised data.

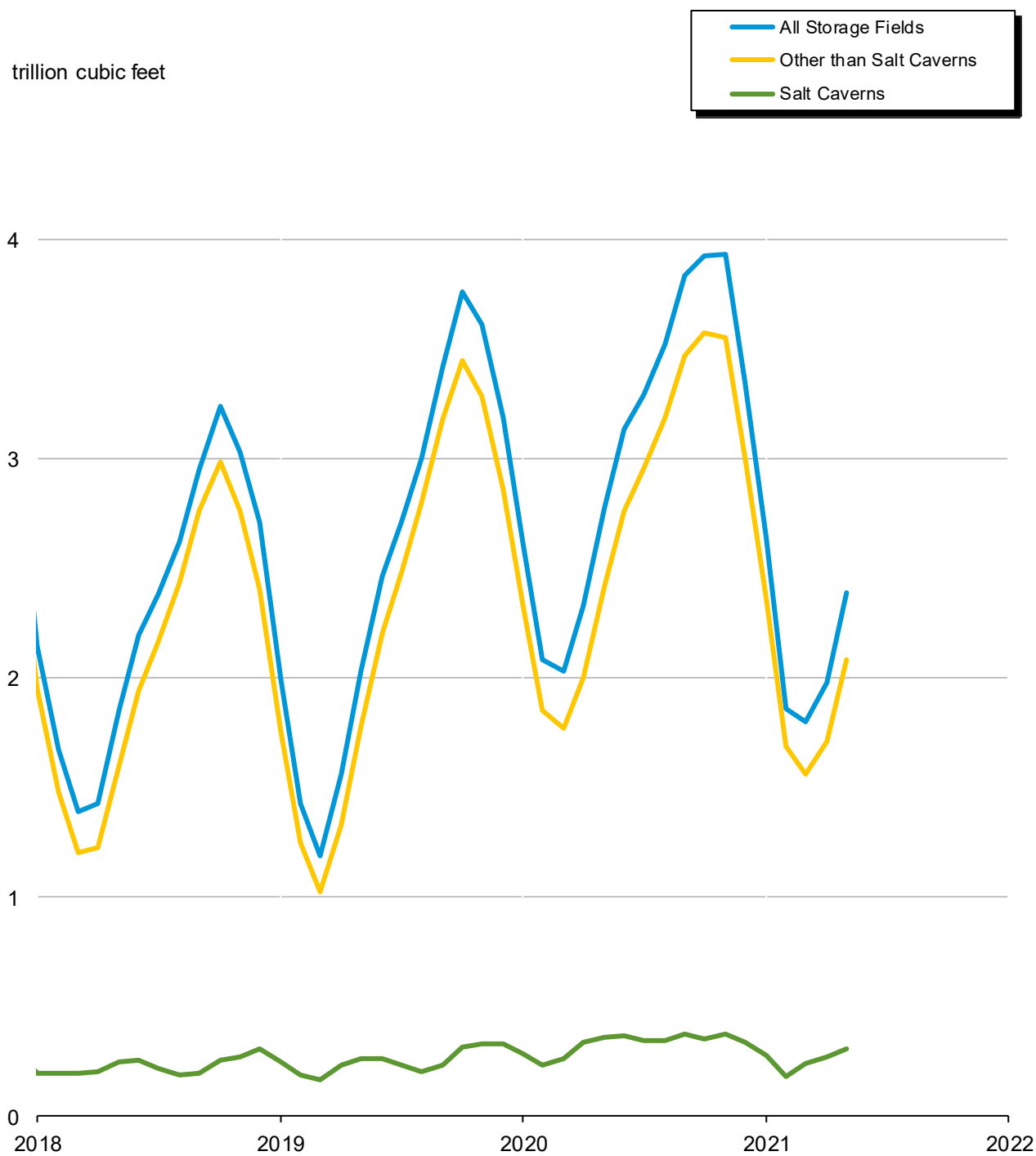
-- Not applicable.

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	536
March	4,379	2,029	6,409	844	71.3	236	285	49
Total	--	--	--	--	--	769	2,492	1,723
2020 Refill Season								
April	4,384	2,332	6,716	773	49.6	437	131	-306
May	4,387	2,778	7,164	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	4,380	1,974	6,354	-358	-15.4	347	173	-174
May	4,383	2,388	6,771	-390	-14.0	491	75	-416

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

^R Revised data.

– Not applicable.

Notes: Data for 2018 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding.

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

Table 10. Underground natural gas storage – salt cavern storage fields, 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
May	199	306	505	-53	-14.7	82	41	-40
2021 5-Month YTD	--	--	--	--	--	372	408	35
2020 5-Month YTD	--	--	--	--	--	321	287	-35
2019 5-Month YTD	--	--	--	--	--	341	386	46

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

^b Total as of December 31.

-- Not applicable.

Notes: Data for 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	6,514	582	33.3	52	578	526
February	4,180	1,850	6,030	606	48.7	61	545	483
March	4,179	1,766	5,945	746	73.1	161	245	84
April	4,182	1,999	6,181	674	50.9	335	99	-236
May	4,184	2,418	6,603	645	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	4,182	1,708	5,890	-291	-14.6	268	119	-149
May	4,184	2,081	6,266	-337	-13.9	409	34	-375
2021 5-Month YTD	--	--	--	--	--	926	1,848	922
2020 5-Month YTD	--	--	--	--	--	1,067	1,503	436
2019 5-Month YTD	--	--	--	--	--	1,091	1,713	622

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

^b Total as of December 31.

^R Revised data.

-- Not applicable.

Notes: Data for 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	
	May	April	March	February	January	Total	December
Alabama	-888	-1,461	-6,884	6,905	2,591	-1,740	2,532
Alaska ^a	-1,395	122	1,491	1,797	1,611	4,330	1,601
Arkansas	-879	-128	480	1,352	1,208	-35	1,019
California	-35,332	-24,435	8,459	36,861	17,158	-38,314	28,116
Colorado	-7,020	-1,051	1,381	11,052	11,570	-3,981	9,004
Illinois	-14,991	9,718	31,440	48,591	59,429	-3,947	45,251
Indiana	-1,052	409	2,162	5,629	6,498	506	3,993
Iowa	-2,814	1,135	6,088	12,008	19,762	-9,470	19,832
Kansas	-17,547	1,680	4,590	21,201	18,141	-3,274	8,039
Kentucky	-9,563	-8,731	-3,375	19,938	19,217	-143	16,377
Louisiana	-33,878	^R -16,290	-25,836	90,715	61,714	-23,836	43,071
Maryland	-497	961	2,909	3,063	639	157	2,284
Michigan	-65,376	-46,216	22,481	151,646	120,019	^R -22,039	103,950
Minnesota	6	169	430	526	155	51	163
Mississippi	-15,446	-17,603	-30,323	34,159	27,082	-569	24,569
Missouri	13	123	-333	954	21	314	-120
Montana	-2,872	-1,060	3,229	6,705	7,243	-7,211	7,020
Nebraska	-2,385	-664	368	1,895	2,631	135	2,851
New Mexico	-2,730	-570	-670	3,642	2,692	-5,680	759
New York	-10,570	-2,157	6,696	17,603	23,290	-317	18,349
Ohio	-18,130	-3,490	14,441	39,180	49,454	-10,198	35,053
Oklahoma	-24,755	-13,774	-3,759	27,437	37,092	^R 8,683	^R 37,084
Oregon	-4,982	-2,001	1,782	6,615	4,348	205	3,636
Pennsylvania	-36,245	-14,355	23,890	79,990	84,848	7,422	58,158
Tennessee	-56	-2	-7	98	23	-57	23
Texas	-52,362	-23,755	-19,175	87,805	63,252	-51,225	40,026
Utah	-9,193	-3,688	-4,663	9,523	9,163	-1,753	14,314
Virginia	-126	81	-197	1,527	281	629	554
Washington	-9,912	-1,095	2,431	6,790	1,286	723	1,944
West Virginia	-26,753	-2,759	17,293	39,167	47,695	-5,911	50,513
Wyoming	-8,193	-3,300	2,182	6,918	6,957	-11,342	7,281
Regions							
East Region	-92,321	-21,718	65,032	180,531	206,207	-8,217	164,912
South Central Region	-145,756	^R -71,331	-80,908	269,575	211,080	^R -71,996	^R 156,340
Midwest Region	-93,834	-43,396	58,887	239,390	225,123	^R -34,785	189,469
Mountain Region	-32,393	-10,332	1,826	39,736	40,256	-29,832	41,229
Pacific Region	-50,226	-27,531	12,673	50,267	22,792	-37,386	33,696
Total Lower 48 States	-414,530	^R -174,307	57,510	779,498	705,458	^R -182,215	^R 585,646
U.S. Total	-415,924	^R -174,185	59,001	781,295	707,069	^R -177,885	^R 587,247

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	May
Alabama	-528	1,436	-3,260	656	185	-112	-669
Alaska ^a	1,493	-219	-1,734	-2,331	-1,752	-1,325	-1,049
Arkansas	505	-162	-599	-1,102	-914	-823	-715
California	4,522	-4,004	-10,674	5,352	-2,993	-24,699	-37,280
Colorado	-4,096	3,066	-6,359	-5,458	-5,209	-7,293	-5,942
Illinois	-4,152	-38,409	-40,475	-40,365	-29,436	-28,451	-18,009
Indiana	-832	-2,910	-3,960	-2,695	-2,071	-2,056	-1,146
Iowa	-4,156	-13,421	-14,935	-11,918	-1,925	-5,646	-5,357
Kansas	-2,237	4,761	-12,894	-4,208	-4,248	-12,961	-15,574
Kentucky	5,202	-822	-7,890	-3,185	-805	-737	-13,240
Louisiana	-9,396	5,951	-21,814	-15,845	5,790	-23,311	-33,607
Maryland	-968	-623	-1,600	-1,761	-777	-1,845	-868
Michigan	10,280	R-5,199	-50,877	-49,165	-45,869	-70,214	-79,406
Minnesota	-118	-228	-203	-236	-221	-17	6
Mississippi	-3,659	3,455	-11,991	-3,381	10,563	-3,526	-8,364
Missouri	-784	365	-29	-53	-30	-155	-32
Montana	3,420	-1,911	-4,844	-4,116	-5,136	-6,194	-5,667
Nebraska	-36	-644	-1,093	634	-711	-2,341	-2,232
New Mexico	-604	-1,665	-1,008	-1,183	-1,374	-1,626	-721
New York	2,928	-8,027	-9,947	-8,078	-3,460	-6,309	-13,599
Ohio	1,241	-15,732	-21,735	-23,566	-23,579	-26,693	-26,555
Oklahoma	1,470	949	-14,440	-7,967	-8,719	-15,991	-21,149
Oregon	-1,004	648	128	-843	-920	-3,919	-4,996
Pennsylvania	3,070	-21,162	-35,932	-26,992	-15,408	-38,467	-60,384
Tennessee	2	-50	0	-69	-35	-32	-43
Texas	-17,889	13,464	-18,300	8,451	11,730	-24,368	-38,554
Utah	2,324	-697	-3,821	-4,518	-7,983	-8,599	-9,108
Virginia	-376	-113	-59	-273	-107	-808	45
Washington	322	2,020	-1,275	-299	693	-2,712	-6,967
West Virginia	8,073	-8,676	-18,786	-23,060	-23,394	-28,495	-26,222
Wyoming	2,177	-3,846	-3,015	78	-3,048	-8,224	-10,598
Regions							
East Region	13,968	-54,334	-88,058	-83,729	-66,726	-102,618	-127,585
South Central Region	-31,733	29,853	-83,297	-23,397	14,386	-81,092	-118,633
Midwest Region	5,441	R-60,674	-118,369	-107,687	-80,391	-107,308	-117,228
Mountain Region	3,184	-5,697	-20,140	-14,562	-23,461	-34,276	-34,268
Pacific Region	3,840	-1,335	-11,821	4,210	-3,220	-31,330	-49,243
Total Lower 48 States	-5,300	R-92,187	-321,686	-225,164	-159,412	-356,624	-446,957
U.S. Total	-3,807	R-92,406	-323,420	-227,495	-161,165	-357,949	-448,006

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020				Total	2019	
	April	March	February	January		December	November
Alabama	-4,401	-1,483	3,469	437	-4,680	-1,295	-3,103
Alaska ^a	421	2,313	2,415	4,497	4,432	2,439	1,272
Arkansas	-307	853	1,273	935	-70	861	578
California	-22,091	-3,906	-1,238	30,582	-28,135	35,944	12,544
Colorado	-2,235	2,258	9,496	8,787	-8,796	5,859	-549
Illinois	7,597	34,667	55,297	52,539	-17,252	40,690	2,466
Indiana	97	1,494	5,572	5,021	-2,817	2,562	-674
Iowa	233	5,299	8,457	14,066	-1,067	17,729	10,941
Kansas	-11,701	6,016	21,799	19,934	-15,186	6,480	2,754
Kentucky	-14,070	1,268	10,761	6,998	-16,890	9,942	5,765
Louisiana	-50,797	-26,675	52,915	49,883	-97,581	19,539	3,691
Maryland	3,082	789	836	1,610	1,515	1,369	-1,145
Michigan	R-46,131	R27,064	R95,306	R88,222	-74,588	72,853	54,381
Minnesota	14	164	512	216	75	70	-52
Mississippi	-19,413	-24,955	21,589	14,543	-12,218	1,340	-4,722
Missouri	867	-28	20	292	444	74	-86
Montana	-2,311	1,101	5,335	6,092	402	4,893	2,538
Nebraska	-1,101	591	1,976	2,242	-1,366	1,296	310
New Mexico	-2,284	-1,466	4,273	1,221	-11,780	1,790	1,682
New York	-6,240	1,299	15,319	17,449	-15,314	13,325	176
Ohio	-5,329	22,278	37,230	37,188	-15,342	27,435	11,806
Oklahoma	-14,811	-6,319	27,662	30,914	-10,971	21,675	9,235
Oregon	-105	1,474	4,346	1,760	-1,844	958	-1,987
Pennsylvania	-8,892	26,065	63,825	63,541	-57,975	42,184	13,862
Tennessee	*	28	68	51	-179	12	9
Texas	-65,511	-30,105	27,121	42,711	-79,335	34,819	2,360
Utah	-4,799	2,405	9,643	9,085	-4,277	10,361	2,648
Virginia	288	412	594	473	-38	13	-59
Washington	-4,459	1,049	7,727	2,679	-459	758	-812
West Virginia	-26,952	2,249	36,954	51,885	-18,213	37,597	21,547
Wyoming	-4,839	2,955	4,961	4,776	-10,216	4,901	2,305
Regions							
East Region	-44,042	53,092	154,758	172,146	-105,366	121,922	46,186
South Central Region	-166,941	-82,667	155,827	159,358	-220,041	83,417	10,792
Midwest Region	R-51,393	R69,956	R175,994	R167,404	-112,275	143,932	72,749
Mountain Region	-17,569	7,843	35,684	32,202	-36,032	29,099	8,933
Pacific Region	-26,656	-1,383	10,835	35,021	-30,438	37,660	9,745
Total Lower 48 States	R-306,600	R46,841	R533,098	R566,130	-504,151	416,031	148,406
U.S. Total	R-306,179	R49,153	R535,513	R570,627	-499,719	418,470	149,678

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019						
	October	September	August	July	June	May	April
Alabama	-3,437	-1,058	1,779	1,992	119	-1,047	-4,541
Alaska ^a	193	-843	-1,320	-1,508	-1,526	-1,169	-145
Arkansas	-231	-583	-886	-798	-768	-903	-312
California	-1,316	-13,476	-6,262	-11,473	-39,458	-45,527	-39,081
Colorado	36	-6,314	-8,948	-5,274	-9,284	-2,673	-482
Illinois	-39,931	-39,814	-34,114	-21,798	-31,465	-29,250	-2,460
Indiana	-2,665	-3,454	-4,377	-2,746	-2,270	-2,093	-99
Iowa	-15,128	-18,004	-14,316	-2,823	-3,932	-4,426	-332
Kansas	3,567	-10,591	-11,621	-12,415	-15,807	-17,835	-13,773
Kentucky	-4,815	-9,197	-8,989	-8,250	-9,025	-11,913	-15,484
Louisiana	-44,922	-37,776	-10,645	-18,409	-39,117	-42,654	-56,512
Maryland	-2,900	-429	-247	-1,498	-395	-1,647	-1,044
Michigan	-50,509	-86,378	-76,948	-81,089	-93,949	-86,826	-45,883
Minnesota	-270	-288	-273	-192	-23	6	59
Mississippi	-27,125	-6,496	-2,273	9,277	790	-6,327	-24,390
Missouri	-307	7	7	8	8	8	-201
Montana	864	-3,961	-3,624	-3,787	-4,224	-2,731	-1,857
Nebraska	275	-1,028	-1,218	-1,188	-2,241	-1,551	-604
New Mexico	-2,024	-2,162	-938	-2,974	-2,008	-3,961	-2,805
New York	-14,260	-17,487	-13,493	-3,597	-7,902	-5,889	-7,371
Ohio	-18,142	-24,910	-28,593	-23,011	-25,172	-22,804	-9,978
Oklahoma	-10,247	-12,135	-6,377	-15,795	-18,719	-24,181	-16,486
Oregon	17	-1,508	418	-2,991	-3,170	-2,302	-750
Pennsylvania	-34,039	-56,268	-44,933	-22,994	-53,396	-55,605	-33,670
Tennessee	0	0	-95	-49	-45	-82	-37
Texas	-59,099	-31,098	22,555	11,375	-18,342	-38,598	-64,861
Utah	-2,353	-6,667	-4,869	-7,263	-7,794	-7,668	-4,492
Virginia	-13	-632	-10	275	-585	234	-603
Washington	3,069	-2,826	1,168	975	-1,299	-6,802	-3,896
West Virginia	-17,448	-21,341	-26,666	-22,905	-31,677	-38,734	-27,036
Wyoming	-2,593	-2,433	459	-3,169	-8,583	-6,945	-2,941
Regions							
East Region	-86,802	-121,067	-113,942	-73,729	-119,128	-124,445	-79,702
South Central Region	-141,494	-99,737	-7,468	-24,774	-91,845	-131,547	-180,876
Midwest Region	-113,626	-157,129	-139,105	-116,940	-140,701	-134,577	-64,436
Mountain Region	-5,794	-22,565	-19,137	-23,655	-34,133	-25,528	-13,181
Pacific Region	1,770	-17,809	-4,676	-13,489	-43,928	-54,630	-43,727
Total Lower 48 States	-345,947	-418,306	-284,327	-252,586	-429,734	-470,728	-381,922
U.S. Total	-345,754	-419,150	-285,647	-254,094	-431,260	-471,898	-382,067

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2019-2021
(million cubic feet) – continued

State	2019		
	March	February	January
Alabama	1,480	3,277	1,154
Alaska ^a	1,222	2,658	3,160
Arkansas	696	1,094	1,185
California	-1,442	50,783	30,628
Colorado	1,062	7,360	10,411
Illinois	21,726	44,951	71,746
Indiana	2,798	3,994	6,207
Iowa	2,664	8,451	18,111
Kansas	7,971	22,056	24,030
Kentucky	4,786	11,343	18,947
Louisiana	17,530	50,759	60,935
Maryland	3,480	2,834	3,137
Michigan	65,710	115,237	138,813
Minnesota	277	250	512
Mississippi	6,673	14,485	26,551
Missouri	-410	11	1,325
Montana	1,364	6,273	4,655
Nebraska	304	2,061	2,218
New Mexico	-148	727	1,041
New York	7,677	14,552	18,955
Ohio	25,100	34,073	38,856
Oklahoma	8,971	25,251	27,838
Oregon	15	4,007	5,447
Pennsylvania	41,514	65,257	80,114
Tennessee	24	6	78
Texas	1,132	18,399	42,024
Utah	5,387	8,384	10,048
Virginia	419	-55	979
Washington	-2,335	5,868	5,673
West Virginia	18,400	39,896	50,155
Wyoming	1,199	3,903	3,680
Regions			
East Region	96,588	156,555	192,196
South Central Region	44,452	135,322	183,717
Midwest Region	97,575	184,242	255,741
Mountain Region	9,168	28,709	32,052
Pacific Region	-3,761	60,659	41,748
Total Lower 48 States	244,022	565,487	705,454
U.S. Total	245,243	568,145	708,614

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

^R Revised data.

^{*} Volume is less than 500 Mcf.

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

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

Table 13. Activities of underground natural gas storage operators, by state, May 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	22,819	33,269	-1,169	-4.9	2,569	1,680
Alaska ^a	5	83,592	67,915	14,197	24,672	38,869	640	2.7	1,456	61
Arkansas	2	21,972	8,894	13,078	1,299	14,377	43	3.4	883	4
California	14	604,048	373,966	230,115	245,277	475,393	1,671	0.7	37,701	2,369
Colorado	10	141,407	72,754	61,102	34,853	95,955	403	1.2	8,599	1,579
Illinois	28	1,014,401	303,613	712,313	81,374	793,688	966	1.2	18,098	3,107
Indiana	23	112,987	32,109	80,879	10,287	91,165	-3,866	-27.3	1,059	6
Iowa	4	288,210	90,313	197,881	22,827	220,708	-4,010	-14.9	3,279	464
Kansas	16	282,986	122,982	163,805	66,700	230,505	-4,841	-6.8	18,263	716
Kentucky	22	221,695	107,596	112,749	62,404	175,153	-25,642	-29.1	9,879	316
Louisiana	19	747,223	461,434	278,560	285,484	564,044	-63,628	-18.2	57,719	23,841
Maryland	1	64,000	18,300	45,677	6,906	52,583	-1,784	-20.5	1,359	862
Michigan	44	1,071,608	683,820	386,911	351,188	738,099	-75,997	-17.8	66,440	1,064
Minnesota	1	7,000	2,000	4,848	702	5,550	-425	-37.7	0	6
Mississippi	11	330,993	201,889	121,089	125,156	246,245	-11,567	-8.5	28,788	13,342
Missouri	1	13,845	3,656	10,189	1,610	11,799	28	1.8	8	21
Montana	4	376,225	197,477	181,159	8,120	189,279	-2,034	-20.0	2,956	84
Nebraska	1	34,850	12,653	22,197	7,299	29,496	-322	-4.2	2,385	0
New Mexico	2	89,100	59,738	29,362	38,502	67,864	4,337	12.7	2,774	44
New York	26	245,779	127,487	115,473	57,404	172,877	-21,268	-27.0	11,503	933
Ohio	24	575,109	253,750	326,357	71,993	398,351	-10,452	-12.7	19,695	1,565
Oklahoma	12	372,390	197,921	173,795	101,345	275,140	-12,488	-11.0	26,852	2,097
Oregon	8	34,929	20,020	14,909	9,197	24,106	-3,577	-28.0	4,982	0
Pennsylvania	49	763,296	427,601	335,809	190,011	525,819	-61,746	-24.5	43,079	6,834
Tennessee	2	2,400	1,800	878	1,290	2,168	103	8.7	56	0
Texas	35	847,640	544,435	296,785	374,197	670,982	-69,649	-15.7	63,336	10,974
Utah	3	124,509	54,942	69,508	34,642	104,150	7,773	28.9	9,368	175
Virginia	2	8,960	4,930	4,030	2,763	6,793	-314	-10.2	858	732
Washington	1	46,900	24,600	22,300	19,747	42,047	-195	-1.0	9,925	12
West Virginia	31	531,706	268,803	264,574	96,434	361,008	-31,950	-24.9	28,756	2,003
Wyoming	9	155,995	74,297	81,873	31,413	113,286	1,287	4.3	8,330	137
Regions										
East Region	133	2,188,849	1,100,871	1,091,921	425,510	1,517,431	-127,514	-23.1	105,251	12,930
South Central Region	97	2,646,804	1,570,705	1,057,563	977,000	2,034,562	-163,301	-14.3	198,409	52,653
Midwest Region	125	2,732,146	1,224,906	1,506,649	531,681	2,038,330	-108,843	-17.0	98,819	4,985
Mountain Region	29	922,086	471,861	445,201	154,829	600,029	11,444	8.0	34,412	2,019
Pacific Region	23	685,877	418,586	267,324	274,221	541,546	-2,100	-0.8	52,607	2,381
Total Lower 48 States	407	9,175,762	4,786,929	4,368,658	2,363,240	6,731,898	-390,313	-14.2	489,498	74,968
U.S. Total	412	9,259,355	4,854,844	4,382,855	2,387,912	6,770,767	-389,673	-14.0	490,954	75,030

^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	2020	2019	2021			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	20,107	16,333	18,786	1,204	2,036	3,225	6,542
Alaska	10,872	11,514	9,617	999	1,714	2,722	2,792
Arizona	25,004	25,039	26,368	2,188	2,783	5,373	6,417
Arkansas	NA	19,134	20,748	NA	1,926	5,733	7,234
California	NA	NA	254,437	27,859	NA	55,052	52,928
Colorado	83,365	72,485	81,472	7,298	13,143	17,162	22,485
Connecticut	31,724	29,907	31,260	2,364	3,961	6,866	8,755
Delaware	7,484	NA	7,381	425	839	1,512	2,291
District of Columbia	7,024	6,420	7,042	493	848	1,399	2,119
Florida	NA	NA	9,043	NA	1,822	1,947	2,514
Georgia	72,095	64,251	65,840	5,561	8,334	12,385	20,953
Hawaii	272	262	265	49	60	54	52
Idaho	16,391	15,568	16,231	1,049	2,134	3,387	4,626
Illinois	241,365	236,090	267,637	18,341	28,660	44,330	78,190
Indiana	80,128	78,379	87,757	5,593	8,791	14,533	25,959
Iowa	38,731	38,521	44,289	2,430	4,089	6,974	13,532
Kansas	40,424	35,877	41,470	2,043	4,495	6,884	14,889
Kentucky	NA	26,689	28,871	NA	3,099	4,888	10,370
Louisiana	22,518	NA	20,425	1,572	2,539	4,091	7,411
Maine	1,825	1,777	1,927	128	228	406	501
Maryland	48,770	45,315	49,980	3,522	5,353	9,438	14,714
Massachusetts	72,534	68,762	81,617	5,160	9,515	16,511	19,834
Michigan	184,485	183,925	200,709	13,934	22,687	33,723	57,939
Minnesota	78,533	NA	86,390	5,546	10,107	16,061	24,088
Mississippi	NA	NA	12,420	NA	1,292	2,840	NA
Missouri	63,399	59,481	66,899	3,700	6,189	10,069	22,267
Montana	12,131	12,236	14,311	1,045	1,684	2,451	3,619
Nebraska	22,642	22,845	25,826	1,387	2,491	4,185	7,844
Nevada	26,378	26,260	28,196	2,445	2,891	5,858	6,982
New Hampshire	4,567	4,308	5,092	307	567	987	1,275
New Jersey	140,511	131,981	142,232	9,608	17,085	28,123	41,470
New Mexico	23,002	NA	23,872	1,596	2,450	5,347	6,287
New York	269,121	257,337	289,323	21,298	33,936	57,971	76,860
North Carolina	42,319	35,386	39,099	2,132	3,635	7,578	12,227
North Dakota	7,452	7,685	8,181	523	1,039	1,727	2,061
Ohio	171,840	164,676	177,683	13,342	19,508	32,687	53,885
Oklahoma	39,376	35,099	42,015	2,256	3,987	6,320	13,858
Oregon	25,476	24,392	26,247	2,131	3,137	6,050	7,119
Pennsylvania	143,597	133,370	148,933	9,889	16,188	28,325	42,725
Rhode Island	11,445	10,792	11,860	728	1,411	2,532	3,170
South Carolina	19,766	16,284	16,705	844	1,774	3,600	6,239
South Dakota	8,316	7,999	9,404	660	1,094	1,906	2,501
Tennessee	45,839	NA	40,680	2,429	4,073	7,328	15,847
Texas	NA	109,930	141,600	NA	11,914	26,498	50,595
Utah	38,469	NA	43,445	2,886	5,312	8,394	9,576
Vermont	2,351	2,260	2,618	205	329	533	634
Virginia	49,334	NA	50,979	2,643	5,382	10,070	14,277
Washington	NA	NA	48,856	NA	6,414	10,816	13,322
West Virginia	15,587	13,742	14,544	1,044	1,914	2,986	4,689
Wisconsin	81,324	80,184	91,863	5,703	10,047	15,011	26,190
Wyoming	9,521	8,014	8,355	927	1,381	1,984	2,670
Total	2,858,703	2,688,420	2,990,801	215,592	340,309	566,833	860,364

See footnotes at end of table.

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

(million cubic feet) – continued

State	2021						2020
	January	Total	December	November	October	September	August
Alabama	7,100	27,719	4,771	2,505	1,097	794	687
Alaska	2,645	21,022	2,686	2,604	1,675	886	548
Arizona	8,243	40,884	5,886	3,012	1,670	1,252	1,139
Arkansas	7,081	31,070	5,792	2,587	1,159	628	518
California	68,743	NA	67,509	45,650	23,145	19,004	19,821
Colorado	23,277	135,263	23,247	15,888	10,233	4,247	2,892
Connecticut	9,778	NA	7,963	NA	2,458	1,148	1,047
Delaware	2,417	NA	1,925	846	338	201	166
District of Columbia	2,164	10,877	2,095	956	351	262	230
Florida	3,025	NA	2,155	1,343	1,067	904	918
Georgia	24,862	119,873	22,744	10,773	5,501	4,335	4,023
Hawaii	57	603	53	45	48	46	50
Idaho	5,196	29,932	5,445	4,177	1,857	799	597
Illinois	71,843	395,124	64,329	36,411	24,255	9,032	7,695
Indiana	25,252	132,367	23,947	12,580	7,593	2,947	2,218
Iowa	11,708	NA	10,757	5,950	4,149	1,548	1,110
Kansas	12,113	61,149	10,336	5,823	4,260	1,383	1,064
Kentucky	10,027	45,666	9,307	4,382	2,083	891	720
Louisiana	6,905	NA	6,158	3,064	1,980	1,523	1,220
Maine	562	NA	424	272	NA	67	53
Maryland	15,743	74,376	12,125	6,661	3,248	1,771	1,358
Massachusetts	21,513	NA	18,904	NA	NA	2,942	2,046
Michigan	56,202	312,321	50,083	30,281	22,202	8,318	5,472
Minnesota	22,732	NA	20,224	14,167	9,621	3,428	2,700
Mississippi	NA	NA	4,267	2,126	902	589	582
Missouri	21,174	99,411	18,630	9,766	3,876	2,097	1,833
Montana	3,332	NA	3,173	2,327	NA	467	406
Nebraska	6,734	37,445	6,090	3,423	1,595	835	755
Nevada	8,202	45,919	7,207	4,009	2,046	1,533	1,316
New Hampshire	1,432	6,890	1,238	484	221	183	138
New Jersey	44,224	221,609	38,106	19,768	8,861	5,312	4,567
New Mexico	7,322	NA	7,031	3,565	1,740	1,168	1,001
New York	79,057	429,989	70,585	39,102	17,381	11,244	10,195
North Carolina	16,746	NA	14,724	6,050	2,046	1,411	1,095
North Dakota	2,102	12,471	1,907	1,433	564	249	210
Ohio	52,418	272,704	47,909	25,958	12,499	5,754	5,151
Oklahoma	12,955	59,329	11,620	5,636	1,769	1,455	1,249
Oregon	7,040	45,509	7,264	6,043	2,910	1,156	1,000
Pennsylvania	46,470	218,091	38,219	18,947	9,673	4,534	3,933
Rhode Island	3,604	17,900	3,112	1,728	535	453	424
South Carolina	7,309	28,305	6,567	2,231	904	628	481
South Dakota	2,154	12,924	2,076	1,234	640	270	208
Tennessee	16,162	NA	14,282	5,676	2,161	1,287	1,156
Texas	38,953	NA	39,667	16,177	NA	6,453	6,428
Utah	12,301	NA	14,162	5,752	2,418	1,896	1,719
Vermont	651	3,637	521	319	149	103	78
Virginia	16,962	NA	14,520	5,991	3,175	1,782	1,592
Washington	13,086	NA	12,924	11,118	6,446	2,303	1,994
West Virginia	4,954	22,609	3,904	2,085	1,072	500	315
Wisconsin	24,372	135,930	22,161	12,233	10,400	3,167	2,522
Wyoming	2,559	13,401	2,151	1,533	568	290	199
Total	875,605	4,648,266	792,881	439,021	240,412	125,476	108,838

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020						
	July	June	May	April	March	February	January
Alabama	713	817	1,204	1,640	2,607	5,259	5,624
Alaska	498	611	924	1,577	2,611	2,749	3,653
Arizona	1,328	1,559	1,939	3,110	4,675	6,891	8,425
Arkansas	588	664	1,463	2,028	4,386	5,061	6,195
California	22,572	22,897	27,770	NA	52,770	52,704	70,232
Colorado	2,804	3,466	5,252	12,253	12,625	20,685	21,671
Connecticut	1,213	1,596	2,637	4,839	5,798	8,293	8,341
Delaware	189	238	556	NA	NA	NA	2,044
District of Columbia	260	304	581	907	1,187	1,806	1,939
Florida	936	NA	NA	1,473	NA	2,136	NA
Georgia	3,949	4,296	5,775	7,420	10,679	19,285	21,093
Hawaii	51	50	50	57	51	49	54
Idaho	597	892	1,283	2,087	3,142	4,434	4,622
Illinois	7,541	9,771	20,180	33,320	46,335	66,414	69,840
Indiana	2,174	2,528	6,012	9,814	15,588	23,335	23,630
Iowa	NA	1,385	2,587	5,168	7,324	11,019	12,423
Kansas	1,193	1,213	2,120	4,535	6,586	10,360	12,275
Kentucky	765	829	1,806	3,207	4,690	8,417	8,570
Louisiana	1,393	1,375	1,654	2,018	3,008	4,811	NA
Maine	54	72	164	283	371	461	498
Maryland	1,871	2,027	3,863	5,885	8,223	12,064	15,280
Massachusetts	2,812	3,193	5,903	11,752	14,352	17,420	19,335
Michigan	5,546	6,492	16,489	26,901	36,788	51,991	51,756
Minnesota	2,590	NA	5,198	9,816	15,291	NA	NA
Mississippi	607	666	738	NA	2,179	3,769	4,078
Missouri	1,770	1,957	3,746	6,250	10,409	18,401	20,675
Montana	548	773	1,267	1,732	2,684	3,085	3,467
Nebraska	826	1,076	1,632	2,978	4,589	6,055	7,590
Nevada	1,584	1,963	2,327	3,572	5,342	6,716	8,302
New Hampshire	160	156	327	646	867	1,192	1,276
New Jersey	6,385	6,631	12,651	20,542	24,118	30,994	43,677
New Mexico	1,078	1,050	1,230	2,454	4,766	NA	6,921
New York	11,144	13,001	25,913	40,428	52,224	65,690	73,083
North Carolina	NA	NA	2,629	3,484	5,725	10,617	12,931
North Dakota	190	233	512	1,125	1,578	2,016	2,455
Ohio	4,802	5,955	15,432	23,477	32,235	47,512	46,020
Oklahoma	1,186	1,316	2,269	4,279	6,060	10,926	11,564
Oregon	1,170	1,575	2,165	3,288	5,856	6,263	6,819
Pennsylvania	3,759	5,656	12,797	19,820	25,257	35,859	39,637
Rhode Island	424	431	871	1,824	2,202	2,775	3,119
South Carolina	522	690	1,142	1,405	2,684	5,217	5,835
South Dakota	210	289	543	1,225	1,521	2,142	2,567
Tennessee	1,173	1,518	NA	4,016	NA	12,708	12,769
Texas	6,835	7,010	8,322	10,547	18,708	34,257	38,096
Utah	2,115	2,865	2,820	NA	6,919	10,782	12,308
Vermont	85	122	238	368	419	610	624
Virginia	1,744	1,945	NA	4,927	7,297	11,519	14,028
Washington	2,345	2,786	3,901	6,508	NA	10,967	13,006
West Virginia	322	669	940	1,931	2,660	3,987	4,223
Wisconsin	2,469	2,794	6,361	12,160	16,225	22,530	22,909
Wyoming	248	397	747	1,403	1,749	2,049	2,067
Total	117,405	135,813	235,016	375,432	524,858	732,603	820,510

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019						
	Total	December	November	October	September	August	July
Alabama	30,616	5,044	2,825	980	705	656	765
Alaska	17,951	2,685	1,978	1,447	823	456	413
Arizona	42,085	5,947	2,994	1,800	1,170	1,088	1,208
Arkansas	33,718	5,438	4,256	921	565	541	627
California	464,672	60,983	43,975	25,563	18,490	18,498	21,403
Colorado	142,692	22,258	17,685	10,443	3,101	2,749	1,028
Connecticut	52,228	8,492	6,140	1,974	1,066	933	1,025
Delaware	11,643	1,986	1,266	288	178	168	184
District of Columbia	12,065	2,251	1,481	246	253	272	228
Florida	16,565	1,952	1,190	936	886	821	813
Georgia	123,249	18,521	14,859	5,453	3,811	3,952	6,701
Hawaii	576	46	42	45	43	44	47
Idaho	30,803	4,861	4,169	2,818	864	552	578
Illinois	438,021	59,858	56,523	21,239	7,867	7,332	7,813
Indiana	142,806	20,252	18,942	6,698	2,416	2,013	2,169
Iowa	71,385	9,970	8,180	4,263	1,084	1,114	1,102
Kansas	68,123	10,077	8,053	3,903	1,249	1,025	1,168
Kentucky	48,777	7,953	6,904	1,835	743	766	794
Louisiana	36,019	5,277	4,123	1,507	1,171	1,249	1,057
Maine	3,134	467	354	141	64	49	49
Maryland	81,845	13,510	9,799	2,203	1,544	1,488	1,572
Massachusetts	135,116	22,166	14,991	4,918	2,902	2,600	2,700
Michigan	332,254	46,084	43,458	18,571	5,674	5,128	5,554
Minnesota	144,577	22,261	17,333	8,285	2,679	2,285	2,234
Mississippi	22,118	3,723	3,231	796	423	527	520
Missouri	110,611	17,007	14,237	5,498	1,610	1,668	1,752
Montana	23,932	3,279	2,953	1,328	444	269	521
Nebraska	41,639	5,822	5,380	1,597	643	703	767
Nevada	47,931	7,356	3,862	2,427	1,520	1,310	1,453
New Hampshire	8,034	1,396	626	253	187	150	150
New Jersey	239,055	39,094	28,230	8,747	5,000	4,207	4,900
New Mexico	42,384	7,222	5,034	2,112	970	1,062	1,005
New York	473,617	71,422	52,629	17,557	10,275	9,735	10,211
North Carolina	67,948	12,688	9,945	1,766	1,021	1,015	975
North Dakota	13,124	2,004	1,542	600	198	186	179
Ohio	290,080	44,442	36,355	12,187	4,874	4,306	4,855
Oklahoma	67,890	10,706	8,608	1,624	1,069	1,118	1,240
Oregon	47,927	7,047	5,687	4,322	1,405	959	962
Pennsylvania	236,631	38,989	23,738	7,970	4,202	3,931	4,013
Rhode Island	19,892	3,130	2,399	933	423	360	342
South Carolina	28,871	5,509	3,863	719	536	491	505
South Dakota	14,809	1,976	1,703	765	220	214	244
Tennessee	68,686	11,788	10,191	1,692	1,139	910	1,101
Texas	228,129	31,828	24,293	7,328	5,045	5,213	6,208
Utah	75,938	13,171	8,205	3,612	1,916	1,552	2,005
Vermont	4,139	578	422	140	90	81	82
Virginia	81,831	13,627	8,690	2,260	1,502	1,486	1,475
Washington	89,967	12,890	11,277	8,230	2,622	1,704	1,974
West Virginia	23,850	3,758	3,172	1,089	297	343	331
Wisconsin	151,591	21,241	19,034	9,004	2,607	2,350	2,366
Wyoming	14,057	2,074	1,847	590	190	212	261
Total	5,015,603	752,105	588,674	231,622	109,775	101,840	111,629

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019					
	June	May	April	March	February	January
Alabama	853	1,144	1,904	3,973	3,793	7,973
Alaska	531	982	1,442	2,125	2,265	2,803
Arizona	1,510	2,084	2,746	5,638	7,428	8,471
Arkansas	621	1,292	1,984	5,714	5,127	6,631
California	21,322	30,649	30,632	51,706	74,192	67,257
Colorado	3,957	7,697	9,680	19,642	20,865	23,587
Connecticut	1,338	2,278	3,792	7,201	8,189	9,800
Delaware	192	363	689	1,730	2,084	2,515
District of Columbia	292	395	745	1,651	2,150	2,101
Florida	924	1,190	1,556	1,678	2,169	2,451
Georgia	4,112	4,607	6,864	14,618	15,173	24,577
Hawaii	44	51	51	55	51	58
Idaho	730	1,138	1,891	3,527	4,695	4,980
Illinois	9,751	18,871	30,473	60,875	71,860	85,556
Indiana	2,560	4,786	8,727	20,903	23,480	29,860
Iowa	1,383	2,710	4,652	10,039	12,610	14,277
Kansas	1,178	1,911	3,260	9,360	12,915	14,024
Kentucky	911	1,196	2,265	7,153	7,556	10,700
Louisiana	1,211	1,555	2,442	4,242	4,907	7,279
Maine	83	167	260	423	511	566
Maryland	1,749	2,928	3,796	11,782	14,653	16,821
Massachusetts	3,222	6,378	9,992	19,439	20,379	25,429
Michigan	7,075	13,513	24,615	46,660	51,520	64,401
Minnesota	3,111	6,455	10,081	18,683	24,708	26,464
Mississippi	479	589	1,174	2,991	2,901	4,764
Missouri	1,940	3,231	5,246	15,499	19,790	23,133
Montana	829	1,079	1,581	3,332	4,742	3,575
Nebraska	901	1,745	2,527	6,194	7,792	7,568
Nevada	1,807	2,254	3,021	6,324	8,076	8,520
New Hampshire	182	375	610	1,130	1,338	1,639
New Jersey	6,644	9,825	14,838	34,457	38,557	44,555
New Mexico	1,108	1,786	2,632	4,615	6,616	8,222
New York	12,465	22,277	34,355	70,167	73,689	88,837
North Carolina	1,439	1,363	3,081	9,502	9,943	15,211
North Dakota	234	574	917	1,764	2,536	2,391
Ohio	5,378	10,285	19,037	43,223	47,362	57,776
Oklahoma	1,511	2,165	3,481	9,429	12,543	14,397
Oregon	1,297	1,692	3,332	5,943	7,977	7,302
Pennsylvania	4,855	8,448	14,432	35,444	40,218	50,391
Rhode Island	444	860	1,374	2,783	3,061	3,781
South Carolina	544	584	1,668	3,680	4,302	6,471
South Dakota	283	734	1,144	2,105	2,763	2,657
Tennessee	1,186	1,599	3,403	9,929	10,247	15,503
Texas	6,613	7,913	16,990	33,326	38,167	45,205
Utah	2,032	4,707	3,970	9,212	11,743	13,813
Vermont	128	224	383	573	680	758
Virginia	1,813	1,926	4,451	11,686	14,417	18,500
Washington	2,415	3,194	6,195	10,491	15,673	13,304
West Virginia	314	654	1,355	3,842	3,677	5,017
Wisconsin	3,127	7,050	11,515	19,697	24,516	29,084
Wyoming	528	866	1,171	1,986	2,116	2,215
Total	129,157	212,341	328,421	688,144	808,724	953,171

^{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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	12,920	11,226	12,906	1,335	1,773	2,047	3,759
Alaska	8,585	NA	7,679	907	1,423	2,115	2,149
Arizona	17,368	17,298	17,163	2,412	2,527	3,461	4,211
Arkansas	NA	26,244	27,600	NA	4,209	6,555	7,406
California	NA	108,239	118,174	16,450	NA	22,366	21,775
Colorado	34,729	30,364	34,662	3,534	5,722	7,321	8,886
Connecticut	29,876	27,989	29,688	3,136	4,294	6,266	7,736
Delaware	7,847	NA	7,788	830	1,102	1,548	2,112
District of Columbia	NA	7,371	8,402	727	NA	1,676	2,088
Florida	NA	NA	28,537	NA	5,535	5,508	5,895
Georgia	29,149	26,696	27,715	2,740	3,792	5,147	8,155
Hawaii	781	828	1,104	159	177	157	140
Idaho	10,095	9,473	10,376	825	1,458	2,152	2,710
Illinois	126,330	120,870	137,044	11,302	17,061	25,608	38,357
Indiana	45,585	43,759	49,215	3,734	5,362	8,419	14,745
Iowa	28,274	27,618	31,579	2,430	3,320	5,285	9,278
Kansas	23,131	20,072	21,553	2,174	3,239	4,174	7,318
Kentucky	21,198	18,655	20,463	1,582	2,381	3,806	6,786
Louisiana	15,224	13,026	15,040	2,192	2,721	2,792	3,923
Maine	NA	5,036	5,714	446	699	1,121	1,353
Maryland	36,526	34,495	39,984	5,000	8,618	7,614	9,006
Massachusetts	NA	54,371	67,167	NA	7,550	11,456	15,384
Michigan	97,175	94,076	105,567	8,944	12,748	20,016	28,461
Minnesota	59,363	NA	64,886	5,115	8,103	13,070	17,117
Mississippi	11,411	NA	9,796	1,217	1,402	2,149	3,239
Missouri	36,128	33,675	38,353	3,183	4,363	6,248	11,583
Montana	13,358	13,470	15,192	1,581	2,164	2,508	3,728
Nebraska	17,239	17,784	19,827	1,378	2,221	3,107	5,715
Nevada	14,574	14,733	17,541	1,996	2,208	2,952	3,437
New Hampshire	5,528	5,173	6,194	394	698	1,198	1,526
New Jersey	79,635	74,081	85,255	7,603	9,819	16,213	21,927
New Mexico	14,340	NA	14,065	1,350	1,701	3,281	3,657
New York	153,913	150,037	171,465	16,701	22,250	31,900	40,966
North Carolina	28,868	25,254	29,235	2,920	3,784	5,556	7,298
North Dakota	8,559	8,934	9,091	721	1,177	1,951	2,336
Ohio	98,707	92,188	102,568	8,550	12,546	18,952	29,560
Oklahoma	25,466	22,975	27,260	2,157	3,066	4,505	8,221
Oregon	15,675	15,129	17,122	1,598	2,220	3,714	4,093
Pennsylvania	87,896	82,097	94,124	7,661	11,329	17,078	24,413
Rhode Island	6,825	6,415	7,341	496	911	1,530	1,824
South Carolina	12,275	11,062	12,081	1,620	1,914	2,360	3,095
South Dakota	6,960	6,775	7,763	605	992	1,588	1,981
Tennessee	30,966	NA	28,721	2,995	4,015	5,156	9,367
Texas	91,466	83,964	101,854	10,818	13,607	16,856	25,696
Utah	22,523	NA	25,919	1,798	3,105	4,820	6,068
Vermont	3,621	3,388	3,691	420	547	769	895
Virginia	36,039	31,712	38,649	3,418	5,371	6,667	9,611
Washington	NA	28,500	31,084	NA	4,295	6,512	7,758
West Virginia	12,396	10,993	12,458	1,293	1,823	2,472	3,287
Wisconsin	56,427	49,882	57,394	5,690	6,930	11,934	16,219
Wyoming	8,478	7,049	7,377	913	1,298	1,736	2,311
Total	1,759,919	1,665,366	1,881,423	181,253	245,646	353,391	488,563

See footnotes at end of table.

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

(million cubic feet) – continued

State	2021						2020
	January	Total	December	November	October	September	August
Alabama	4,007	22,764	3,209	2,663	1,612	1,138	1,009
Alaska	1,991	NA	2,116	1,898	1,336	749	560
Arizona	4,758	35,592	4,364	3,195	2,353	2,086	2,036
Arkansas	7,572	53,386	6,575	4,745	4,128	3,117	2,851
California	23,806	233,588	25,095	22,715	18,027	16,029	15,098
Colorado	9,265	56,710	9,217	6,327	4,288	1,959	1,573
Connecticut	8,445	NA	6,811	NA	NA	2,464	2,415
Delaware	2,256	NA	2,184	1,390	1,087	819	753
District of Columbia	2,076	NA	2,206	1,264	778	NA	612
Florida	NA	NA	5,691	5,151	4,527	NA	4,101
Georgia	9,316	51,098	8,558	4,438	2,708	2,231	2,157
Hawaii	148	1,730	156	126	128	118	125
Idaho	2,950	19,521	3,070	2,163	1,660	904	726
Illinois	34,001	213,663	29,312	19,063	15,551	8,370	6,595
Indiana	13,325	80,876	12,736	7,654	5,916	3,540	2,487
Iowa	7,962	51,052	7,275	4,600	4,230	1,925	1,737
Kansas	6,226	38,253	5,012	3,297	2,866	1,624	1,741
Kentucky	6,644	33,314	5,918	3,028	1,909	1,156	926
Louisiana	3,597	NA	3,727	2,691	2,438	NA	1,970
Maine	NA	NA	1,231	831	NA	310	259
Maryland	9,288	65,961	8,945	5,574	4,331	3,672	2,815
Massachusetts	15,502	NA	14,024	9,154	6,402	3,977	NA
Michigan	27,006	163,952	23,216	14,967	10,730	5,945	5,583
Minnesota	15,959	NA	14,233	10,917	7,660	3,180	3,057
Mississippi	3,404	NA	2,731	1,726	1,207	948	937
Missouri	10,751	60,009	8,914	5,415	3,276	2,344	2,141
Montana	3,377	NA	3,209	2,505	NA	1,058	941
Nebraska	4,817	32,306	4,613	2,959	1,896	1,197	1,257
Nevada	3,982	29,097	3,766	2,790	1,867	1,490	1,375
New Hampshire	1,712	8,466	1,503	622	308	268	191
New Jersey	24,074	138,421	21,790	12,312	6,829	5,393	4,568
New Mexico	4,351	NA	4,644	2,971	2,138	1,320	1,084
New York	42,096	283,446	40,415	26,304	16,009	12,987	13,003
North Carolina	9,312	NA	8,492	5,016	2,925	2,624	2,197
North Dakota	2,374	15,109	2,148	1,697	802	459	410
Ohio	29,099	162,676	26,053	15,089	8,192	4,791	5,224
Oklahoma	7,516	42,281	6,659	3,807	2,513	1,735	1,522
Oregon	4,050	28,337	4,084	3,422	1,945	948	889
Pennsylvania	27,414	146,505	23,807	12,943	7,905	5,445	4,877
Rhode Island	2,064	10,632	1,863	1,023	313	277	239
South Carolina	3,286	23,029	3,240	2,263	1,558	1,363	1,033
South Dakota	1,793	11,657	1,723	1,152	692	369	317
Tennessee	9,433	NA	8,931	5,385	3,042	2,404	2,289
Texas	24,489	NA	22,263	13,852	12,918	10,469	10,064
Utah	6,730	NA	7,719	3,355	1,679	1,340	1,317
Vermont	989	6,754	864	655	460	336	396
Virginia	10,973	63,114	9,891	5,345	4,459	3,113	2,955
Washington	NA	54,962	7,208	6,145	4,216	2,163	2,112
West Virginia	3,522	21,094	2,958	1,896	1,451	1,022	922
Wisconsin	15,655	89,654	12,777	8,649	7,045	3,174	2,893
Wyoming	2,219	12,521	1,852	1,407	665	401	289
Total	491,066	3,147,056	449,000	292,895	207,020	142,167	130,731

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020						
	July	June	May	April	March	February	January
Alabama	981	924	1,082	1,450	1,858	3,268	3,569
Alaska	470	NA	NA	NA	2,045	2,216	2,653
Arizona	2,139	2,121	1,845	2,410	3,655	4,362	5,026
Arkansas	2,925	2,801	3,271	3,765	5,710	6,267	7,231
California	14,758	13,627	14,029	15,147	25,859	25,321	27,883
Colorado	1,400	1,583	2,451	4,671	5,559	8,625	9,059
Connecticut	2,413	2,103	2,908	4,365	5,725	7,084	7,908
Delaware	740	658	808	NA	1,431	NA	2,071
District of Columbia	652	615	681	1,085	1,449	1,912	2,244
Florida	4,031	4,104	NA	3,974	NA	6,084	NA
Georgia	2,098	2,212	2,697	3,298	4,681	7,606	8,414
Hawaii	131	118	104	117	191	196	219
Idaho	735	788	869	1,220	1,993	2,607	2,785
Illinois	6,846	7,054	11,201	17,357	24,914	33,402	33,996
Indiana	2,387	2,398	3,408	5,170	8,787	12,882	13,513
Iowa	1,848	1,819	2,183	3,857	5,603	7,713	8,263
Kansas	1,859	1,782	1,851	3,074	3,998	5,383	5,767
Kentucky	879	844	1,388	2,238	3,564	5,582	5,882
Louisiana	NA	2,013	1,733	2,175	2,598	3,285	3,234
Maine	247	271	469	776	1,071	1,315	1,405
Maryland	2,765	3,365	3,891	5,044	6,820	8,687	10,052
Massachusetts	4,076	3,218	4,903	8,855	10,792	14,224	15,597
Michigan	4,607	4,827	8,055	13,622	20,172	25,569	26,658
Minnesota	2,393	NA	4,315	7,130	11,816	NA	NA
Mississippi	887	880	963	NA	1,855	2,666	2,842
Missouri	1,979	2,265	2,726	4,024	6,350	9,868	10,708
Montana	912	1,394	1,720	2,062	2,779	3,279	3,630
Nebraska	1,231	1,369	1,557	2,471	3,620	4,466	5,669
Nevada	1,681	1,394	1,243	1,865	3,502	3,766	4,356
New Hampshire	215	187	367	742	1,055	1,426	1,582
New Jersey	5,434	8,013	6,375	11,103	14,351	17,462	24,790
New Mexico	997	990	914	1,352	2,971	NA	4,108
New York	12,386	12,304	16,280	24,079	29,676	38,519	41,483
North Carolina	1,951	NA	2,355	2,997	4,416	7,043	8,443
North Dakota	327	332	677	1,306	1,901	2,303	2,748
Ohio	5,156	5,982	7,965	13,238	18,315	26,044	26,626
Oklahoma	1,534	1,536	1,890	2,765	4,271	6,817	7,231
Oregon	883	1,039	1,328	1,910	3,611	4,011	4,270
Pennsylvania	4,219	5,212	7,096	11,650	16,150	22,509	24,692
Rhode Island	241	261	474	1,045	1,295	1,736	1,864
South Carolina	1,232	1,279	1,279	1,411	1,924	3,047	3,400
South Dakota	312	318	522	1,012	1,277	1,811	2,153
Tennessee	2,229	2,218	NA	3,138	NA	8,148	8,568
Texas	10,309	NA	9,640	12,330	15,989	22,718	23,287
Utah	1,454	1,802	1,899	NA	4,255	6,290	6,829
Vermont	350	304	329	516	748	828	967
Virginia	2,946	2,693	3,627	4,754	5,417	7,922	9,993
Washington	2,153	2,466	2,819	3,921	6,571	7,157	8,031
West Virginia	844	1,009	1,057	1,562	2,274	2,961	3,139
Wisconsin	2,622	2,612	4,363	7,007	10,244	13,918	14,349
Wyoming	386	472	713	1,279	1,529	1,758	1,770
Total	128,275	131,603	161,109	236,913	337,078	443,357	486,910

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019						
	Total	December	November	October	September	August	July
Alabama	24,875	3,198	2,442	1,672	1,152	1,067	1,169
Alaska	14,570	1,947	1,609	1,109	721	495	471
Arizona	34,687	4,183	3,122	2,378	1,911	1,887	1,949
Arkansas	55,100	6,384	5,745	3,691	2,916	2,892	3,002
California	255,981	25,534	26,624	20,971	16,093	17,132	15,947
Colorado	61,755	9,209	7,215	4,258	1,703	1,654	864
Connecticut	57,642	8,159	6,491	3,455	2,541	2,475	2,505
Delaware	15,590	2,008	1,838	978	758	744	762
District of Columbia	16,125	2,317	1,791	688	736	845	665
Florida	63,355	6,140	5,274	4,810	4,694	4,665	4,535
Georgia	53,611	7,271	6,049	2,777	2,011	2,164	3,442
Hawaii	2,608	214	193	215	214	230	235
Idaho	20,971	2,760	2,271	2,180	1,023	788	782
Illinois	247,280	32,173	29,815	14,889	8,349	8,244	8,205
Indiana	88,245	11,610	11,066	6,239	2,761	2,358	2,363
Iowa	57,985	7,608	7,535	4,271	1,742	1,757	1,731
Kansas	41,320	5,421	4,495	2,776	1,907	1,575	1,776
Kentucky	37,395	5,314	4,763	1,961	1,219	1,187	1,236
Louisiana	32,980	3,581	3,533	2,531	2,022	2,312	1,979
Maine	9,919	1,369	1,087	526	332	282	271
Maryland	76,349	10,497	8,573	3,817	3,341	3,458	3,453
Massachusetts	121,518	16,205	14,040	7,099	5,015	3,907	4,133
Michigan	181,825	24,076	20,007	10,427	5,222	5,502	4,922
Minnesota	113,428	16,690	12,956	6,791	3,027	2,778	3,036
Mississippi	19,935	2,658	2,394	1,352	853	998	984
Missouri	67,930	9,092	7,255	4,475	2,130	2,208	2,201
Montana	27,790	3,472	2,907	1,823	1,143	941	1,082
Nebraska	35,388	4,351	4,437	1,973	1,063	1,176	1,273
Nevada	35,190	4,326	3,249	2,583	1,876	1,783	1,839
New Hampshire	10,135	1,660	835	404	307	245	231
New Jersey	155,507	22,024	16,809	8,040	5,606	5,351	7,056
New Mexico	29,661	4,870	3,640	2,618	1,157	1,188	958
New York	322,778	41,826	35,283	16,506	14,663	14,698	14,673
North Carolina	57,310	7,461	7,558	3,350	2,478	2,326	2,145
North Dakota	15,455	2,391	1,809	766	379	350	325
Ohio	177,428	24,590	20,364	9,152	5,246	5,007	5,186
Oklahoma	48,791	6,618	5,529	2,665	1,615	1,607	1,682
Oregon	32,379	4,263	3,626	2,768	1,341	1,039	1,003
Pennsylvania	161,624	23,289	16,088	7,752	5,301	5,071	4,895
Rhode Island	12,416	1,953	1,487	582	288	238	228
South Carolina	24,926	2,938	3,067	1,632	1,294	1,305	1,275
South Dakota	13,405	1,902	1,585	747	374	345	335
Tennessee	56,315	7,641	7,559	3,208	2,379	2,148	2,311
Texas	198,029	21,495	18,796	11,983	10,247	10,539	10,962
Utah	47,336	7,584	4,963	2,867	1,574	1,278	1,638
Vermont	7,341	972	800	450	375	362	360
Virginia	71,245	9,078	7,101	3,742	3,032	3,429	3,073
Washington	61,010	7,982	6,542	5,549	2,631	2,236	2,339
West Virginia	23,599	2,982	2,629	1,542	975	1,039	1,003
Wisconsin	101,576	13,521	12,133	6,319	3,034	3,070	2,774
Wyoming	12,996	1,796	1,630	624	294	330	387
Total	3,512,607	456,605	388,610	215,982	143,062	140,705	141,651

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019					
	June	May	April	March	February	January
Alabama	1,270	1,356	1,573	2,841	2,268	4,868
Alaska	539	881	1,219	1,334	2,134	2,111
Arizona	2,093	2,434	2,630	3,536	4,086	4,477
Arkansas	2,870	3,489	4,074	6,446	6,141	7,448
California	15,505	18,840	17,595	23,676	30,619	27,444
Colorado	2,190	3,632	4,440	8,339	8,613	9,638
Connecticut	2,328	2,996	4,033	6,830	7,205	8,623
Delaware	713	808	886	1,826	1,871	2,396
District of Columbia	682	843	998	1,936	2,169	2,456
Florida	4,699	4,988	5,288	5,823	5,810	6,628
Georgia	2,182	2,422	3,268	6,151	6,135	9,737
Hawaii	202	221	221	216	210	237
Idaho	792	988	1,346	2,223	2,812	3,007
Illinois	8,561	12,208	18,501	31,315	34,471	40,549
Indiana	2,634	3,271	5,289	11,740	12,754	16,162
Iowa	1,763	2,396	3,748	7,161	8,582	9,692
Kansas	1,817	1,962	2,014	4,785	6,332	6,460
Kentucky	1,251	1,393	1,959	4,947	5,227	6,937
Louisiana	1,981	2,102	2,378	3,205	2,899	4,457
Maine	338	566	811	1,254	1,438	1,644
Maryland	3,227	4,074	4,623	9,473	9,296	12,519
Massachusetts	3,951	6,268	9,082	14,714	16,787	20,316
Michigan	6,101	9,670	14,439	24,748	27,193	29,516
Minnesota	3,265	5,024	9,026	14,622	17,937	18,276
Mississippi	899	923	1,261	2,213	2,149	3,250
Missouri	2,215	2,947	4,082	8,697	10,638	11,989
Montana	1,230	1,621	2,079	3,529	4,368	3,595
Nebraska	1,288	1,865	2,214	4,460	5,760	5,527
Nevada	1,994	2,331	2,588	3,745	4,323	4,553
New Hampshire	259	481	772	1,386	1,581	1,975
New Jersey	5,365	7,408	10,949	19,670	22,350	24,878
New Mexico	1,166	1,535	1,739	2,726	3,551	4,514
New York	13,665	16,836	22,903	39,125	41,248	51,352
North Carolina	2,758	2,600	3,392	6,767	6,619	9,858
North Dakota	343	703	1,091	2,005	2,694	2,598
Ohio	5,315	7,456	12,343	24,505	25,548	32,716
Oklahoma	1,815	2,228	2,950	6,094	7,538	8,449
Oregon	1,217	1,495	2,366	3,916	4,890	4,455
Pennsylvania	5,104	7,090	10,444	21,399	23,331	31,861
Rhode Island	300	550	919	1,731	1,842	2,298
South Carolina	1,333	1,500	1,711	2,648	2,475	3,746
South Dakota	355	646	996	1,701	2,263	2,156
Tennessee	2,348	2,412	3,083	6,613	6,460	10,154
Texas	12,152	12,136	16,432	22,431	24,041	26,814
Utah	1,513	3,311	2,660	5,473	6,832	7,643
Vermont	332	321	498	820	911	1,142
Virginia	3,141	3,566	4,503	8,681	9,555	12,344
Washington	2,646	3,093	4,566	6,799	8,635	7,990
West Virginia	971	1,175	1,631	3,039	2,893	3,719
Wisconsin	3,332	4,892	7,747	13,039	14,753	16,963
Wyoming	558	841	1,081	1,697	1,834	1,923
Total	144,568	184,799	246,441	424,050	472,073	554,061

^R Revised data.^{NA} Not available.**Notes:** Geographic coverage is the 50 states and the District of Columbia. See Appendix A, Explanatory Note 6, for discussion of computations and revision policy.**Source:** U.S. Energy Information Administration (EIA): Form EIA-857, *Monthly Report of Natural Gas Purchases and Deliveries to Consumers*.

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

(million cubic feet)

State	2021	2020	2019	2021			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	96,243	88,816	93,845	18,750	18,962	19,702	18,593
Alaska	NA	6,620	6,996	1,390	NA	1,525	1,299
Arizona	8,396	8,193	8,489	1,482	1,445	1,739	1,723
Arkansas	45,955	46,526	45,565	9,491	9,075	9,271	8,315
California	282,104	287,667	309,293	56,808	57,790	58,794	50,682
Colorado	40,166	39,210	43,820	6,073	7,534	8,718	8,672
Connecticut	10,345	10,607	10,759	1,698	1,627	2,084	2,364
Delaware	17,001	NA	14,327	2,912	2,821	3,000	3,934
District of Columbia	0	0	--	0	0	0	0
Florida	NA	NA	50,983	NA	11,539	11,800	9,891
Georgia	67,504	63,466	66,504	12,521	13,224	13,541	13,217
Hawaii	NA	34	37	NA	9	9	7
Idaho	16,901	16,244	16,188	2,755	3,028	3,524	3,535
Illinois	112,929	114,664	122,157	18,744	18,989	22,231	24,495
Indiana	172,564	164,357	190,121	31,460	32,374	34,926	35,178
Iowa	96,314	105,120	108,236	17,129	18,627	19,064	19,559
Kansas	NA	55,398	54,789	9,496	NA	10,638	11,037
Kentucky	54,207	50,435	55,525	9,555	9,883	10,728	11,572
Louisiana	441,231	472,559	487,164	84,591	85,559	85,504	83,686
Maine	10,274	10,452	9,327	1,756	1,908	2,157	2,218
Maryland	11,338	7,270	7,412	1,425	1,744	1,912	3,145
Massachusetts	24,890	23,846	24,635	3,282	4,454	5,274	6,219
Michigan	77,201	70,985	82,406	11,525	13,668	15,601	18,238
Minnesota	67,473	NA	75,086	11,785	14,188	13,424	13,096
Mississippi	61,374	56,093	56,399	12,923	12,033	11,746	12,323
Missouri	28,892	27,620	29,825	4,696	5,103	5,398	6,898
Montana	10,737	10,494	9,724	2,022	1,987	2,037	2,266
Nebraska	NA	NA	35,177	NA	7,028	NA	7,863
Nevada	7,524	NA	8,686	1,367	1,472	1,692	1,406
New Hampshire	4,203	4,238	4,556	653	816	901	931
New Jersey	NA	NA	25,449	NA	NA	NA	5,293
New Mexico	7,261	NA	7,774	1,501	1,415	1,467	1,413
New York	39,182	38,891	41,767	6,242	7,343	8,030	8,877
North Carolina	53,460	50,198	52,838	9,503	10,000	10,846	11,060
North Dakota	17,958	16,514	15,428	3,380	3,378	3,703	3,564
Ohio	134,113	129,438	140,199	21,674	24,967	28,453	29,836
Oklahoma	89,816	93,141	89,246	18,279	17,850	19,564	13,787
Oregon	25,348	24,758	24,310	4,595	4,822	5,442	5,061
Pennsylvania	NA	94,027	101,342	NA	17,030	19,881	21,731
Rhode Island	3,817	3,795	3,952	680	768	750	812
South Carolina	41,047	39,443	40,717	8,205	7,689	8,605	7,751
South Dakota	NA	19,248	19,881	4,005	NA	3,923	4,514
Tennessee	65,264	NA	64,897	12,255	12,917	12,754	13,123
Texas	NA	778,826	753,914	160,826	NA	148,886	116,069
Utah	17,960	17,851	18,508	3,251	3,610	3,397	3,813
Vermont	973	1,025	1,101	152	159	211	214
Virginia	NA	NA	42,138	NA	8,122	NA	9,037
Washington	NA	NA	33,011	NA	6,797	7,837	6,901
West Virginia	16,815	NA	16,277	3,266	2,961	3,600	3,253
Wisconsin	68,236	71,209	75,508	9,784	11,650	13,374	16,735
Wyoming	NA	NA	25,934	4,502	NA	NA	4,665
Total	3,505,057	3,512,238	3,622,222	661,259	679,509	702,989	669,873

See footnotes at end of table.

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

(million cubic feet) – continued

State	2021						2020
	January	Total	December	November	October	September	August
Alabama	20,235	212,415	20,797	18,862	18,444	16,550	17,298
Alaska	1,437	15,983	1,422	1,315	1,577	1,299	1,313
Arizona	2,007	18,514	1,959	1,638	1,486	1,293	1,291
Arkansas	9,802	105,962	10,397	9,601	8,270	8,006	7,928
California	58,029	700,620	59,800	56,991	57,980	62,770	61,624
Colorado	9,169	84,643	9,238	7,971	7,057	5,749	5,052
Connecticut	2,572	NA	2,422	NA	NA	1,520	1,653
Delaware	4,334	NA	NA	3,185	3,082	2,641	2,752
District of Columbia	0	0	0	0	0	0	0
Florida	11,347	NA	11,415	9,692	NA	NA	10,132
Georgia	15,002	152,877	15,049	13,932	12,077	12,236	12,813
Hawaii	6	80	7	6	7	6	6
Idaho	4,059	38,385	4,000	3,633	3,572	3,031	2,570
Illinois	28,470	NA	26,866	23,727	20,623	NA	17,620
Indiana	38,626	376,095	37,438	32,641	31,291	29,119	28,453
Iowa	21,934	NA	21,842	NA	20,451	18,387	18,264
Kansas	12,397	131,662	11,767	10,662	10,917	9,458	11,056
Kentucky	12,470	114,157	11,358	9,568	9,496	8,285	8,939
Louisiana	101,892	NA	104,597	96,851	NA	94,934	94,197
Maine	2,235	NA	2,141	1,926	1,756	NA	1,692
Maryland	3,112	NA	NA	2,126	1,780	1,719	NA
Massachusetts	5,662	NA	5,117	NA	NA	2,584	2,463
Michigan	18,168	NA	16,629	NA	14,053	11,468	10,325
Minnesota	14,979	NA	14,316	12,873	11,126	NA	9,533
Mississippi	12,349	129,176	12,493	11,672	9,387	9,204	9,795
Missouri	6,797	62,652	6,411	5,608	5,400	4,590	4,512
Montana	2,426	24,589	2,291	2,341	2,288	1,745	1,806
Nebraska	8,678	NA	8,893	8,393	9,369	7,890	8,284
Nevada	1,587	NA	1,513	NA	1,856	1,872	1,852
New Hampshire	902	9,340	866	778	764	693	689
New Jersey	5,895	NA	6,155	5,628	4,609	5,238	5,197
New Mexico	1,465	NA	1,400	1,361	1,494	1,464	1,477
New York	8,690	86,249	8,528	7,790	7,114	6,095	5,860
North Carolina	12,051	115,522	11,594	9,674	9,802	8,663	8,857
North Dakota	3,933	NA	3,975	NA	3,159	3,029	3,331
Ohio	29,183	281,049	27,852	23,664	22,822	18,601	20,284
Oklahoma	20,335	NA	19,973	18,826	18,344	17,399	17,620
Oregon	5,427	56,245	5,339	4,932	4,709	4,030	4,245
Pennsylvania	20,391	211,483	20,559	18,482	17,684	14,970	15,074
Rhode Island	808	8,361	732	643	626	672	638
South Carolina	8,796	92,671	8,668	8,055	7,984	7,240	7,452
South Dakota	4,560	45,442	4,362	4,270	3,696	3,721	3,785
Tennessee	14,215	NA	13,597	11,580	12,559	11,683	11,529
Texas	176,680	1,889,671	178,466	165,270	162,032	151,632	155,571
Utah	3,889	NA	3,554	3,417	2,969	3,274	NA
Vermont	238	2,228	214	185	168	162	157
Virginia	11,029	NA	10,575	6,859	8,930	NA	NA
Washington	NA	NA	7,726	7,156	7,226	6,432	6,130
West Virginia	3,735	NA	3,582	3,163	3,036	2,833	2,987
Wisconsin	16,693	152,627	15,892	13,834	13,337	10,361	9,636
Wyoming	NA	NA	6,246	5,646	5,771	NA	4,511
Total	791,426	8,257,199	786,536	711,072	694,701	650,665	653,509

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020						
	July	June	May	April	March	February	January
Alabama	16,197	15,451	15,928	16,278	17,744	18,977	19,889
Alaska	1,211	1,226	1,230	1,199	1,288	1,463	1,440
Arizona	1,451	1,204	1,399	1,542	1,671	1,735	1,846
Arkansas	7,850	7,385	8,432	8,734	9,655	9,547	10,158
California	58,343	55,444	53,255	52,497	58,993	53,928	68,995
Colorado	4,956	5,411	5,829	6,979	8,194	8,985	9,223
Connecticut	1,693	1,511	1,615	1,970	2,125	2,348	2,549
Delaware	2,653	2,640	2,904	NA	3,424	3,552	4,113
District of Columbia	0	0	0	0	0	0	0
Florida	9,632	9,054	NA	10,604	NA	10,046	NA
Georgia	12,103	11,201	11,745	11,929	11,762	13,511	14,517
Hawaii	7	6	6	6	8	8	6
Idaho	2,689	2,648	2,470	2,876	3,521	3,575	3,802
Illinois	18,160	16,825	18,062	19,349	24,155	26,063	27,035
Indiana	27,117	25,680	27,784	28,118	33,412	35,057	39,985
Iowa	18,121	16,293	18,408	18,533	22,095	22,027	24,058
Kansas	11,506	10,897	10,006	10,527	10,221	11,729	12,916
Kentucky	7,964	8,113	8,184	8,671	10,203	11,553	11,823
Louisiana	94,627	94,825	93,457	89,863	94,292	93,812	101,134
Maine	1,639	1,790	1,980	1,895	2,012	2,208	2,357
Maryland	1,955	1,269	1,319	1,348	1,658	1,642	1,303
Massachusetts	2,532	2,365	3,173	4,243	4,713	5,879	5,839
Michigan	9,460	8,591	8,166	11,892	15,478	17,606	17,843
Minnesota	9,228	7,719	9,954	NA	14,087	NA	NA
Mississippi	10,548	9,984	9,933	10,439	11,234	11,877	12,610
Missouri	4,268	4,244	4,284	4,571	5,500	6,551	6,714
Montana	1,883	1,740	1,865	2,004	2,125	2,201	2,300
Nebraska	8,496	6,762	5,929	NA	8,088	7,821	8,921
Nevada	1,652	1,588	1,617	1,633	NA	1,792	1,766
New Hampshire	624	687	724	793	891	916	915
New Jersey	5,705	4,375	3,603	4,324	4,662	5,056	NA
New Mexico	1,405	1,294	1,326	1,466	1,646	NA	1,710
New York	6,249	5,722	5,794	7,004	8,125	8,966	9,002
North Carolina	8,306	8,427	8,735	8,914	10,433	10,654	11,462
North Dakota	3,143	3,204	2,626	3,103	3,522	3,526	3,736
Ohio	19,991	18,397	19,780	23,482	27,095	29,168	29,912
Oklahoma	NA	17,163	17,907	18,420	18,619	18,556	19,640
Oregon	4,117	4,115	4,284	4,615	5,335	5,149	5,375
Pennsylvania	15,465	15,221	15,155	16,582	19,520	20,797	21,973
Rhode Island	624	631	693	734	733	805	830
South Carolina	7,074	6,754	7,186	7,038	8,363	8,077	8,779
South Dakota	3,355	3,005	2,714	3,436	4,088	4,360	4,649
Tennessee	10,765	10,750	NA	11,582	NA	13,721	13,942
Texas	154,996	142,878	149,320	147,504	160,929	155,402	165,671
Utah	2,884	3,015	3,292	3,172	3,432	3,979	3,977
Vermont	158	159	178	188	208	219	232
Virginia	8,606	8,294	7,803	6,462	NA	NA	8,949
Washington	5,535	5,612	5,690	5,874	NA	NA	7,188
West Virginia	2,659	2,567	2,750	NA	2,870	3,418	NA
Wisconsin	9,465	8,892	10,484	11,803	14,932	16,384	17,607
Wyoming	4,734	4,184	4,251	5,134	NA	5,124	5,723
Total	641,264	607,213	624,852	644,030	720,293	731,678	791,385

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019						
	Total	December	November	October	September	August	July
Alabama	217,040	18,886	18,204	17,208	16,330	17,207	17,497
Alaska	15,940	1,418	1,568	1,480	1,263	1,036	1,137
Arizona	18,625	1,803	1,665	1,458	1,290	1,287	1,303
Arkansas	105,280	9,475	9,279	8,547	7,747	7,625	8,805
California	768,188	65,665	63,595	66,872	67,982	69,610	64,900
Colorado	91,693	9,245	8,486	7,606	5,517	5,535	5,483
Connecticut	24,520	2,667	2,416	1,917	1,686	1,792	1,693
Delaware	33,865	3,454	3,412	2,783	2,555	2,480	2,314
District of Columbia	--	--	--	--	--	--	--
Florida	119,654	11,535	10,301	9,899	9,037	9,657	8,823
Georgia	155,992	13,992	14,295	12,913	11,857	12,132	12,210
Hawaii	94	8	8	9	8	8	8
Idaho ^a	38,598	3,745	3,751	3,964	3,070	2,688	2,570
Illinois	267,360	27,107	25,224	21,735	16,513	18,773	18,022
Indiana	426,408	40,716	36,515	32,744	30,499	33,212	32,105
Iowa	249,885	23,009	22,669	20,119	18,406	20,003	17,994
Kansas	131,094	12,435	11,279	9,284	9,949	11,678	11,663
Kentucky	121,669	10,954	11,070	9,606	8,321	9,308	8,438
Louisiana	1,145,104	101,508	94,297	92,571	91,451	93,167	91,998
Maine	21,024	2,170	2,042	1,836	1,512	1,393	1,369
Maryland	18,336	1,590	2,257	1,367	1,427	1,130	1,715
Massachusetts	48,770	5,257	4,886	3,198	2,765	3,106	2,180
Michigan	173,618	17,350	16,362	13,266	11,267	11,179	10,946
Minnesota	162,437	14,863	13,285	12,178	11,528	11,685	12,139
Mississippi	132,423	11,543	10,934	10,258	10,944	11,144	11,166
Missouri	65,452	6,289	6,196	5,567	4,506	4,357	4,307
Montana	23,689	2,282	2,355	2,173	1,865	1,715	1,804
Nebraska	89,696	7,972	10,252	8,144	6,798	7,521	7,235
Nevada	20,681	1,878	1,875	1,654	1,576	1,706	1,750
New Hampshire	9,834	838	821	768	686	710	708
New Jersey	65,061	6,166	5,498	6,220	5,686	6,595	4,584
New Mexico	18,362	1,700	1,615	1,644	1,417	1,393	1,387
New York	90,330	8,759	8,435	6,628	6,067	6,410	6,223
North Carolina	119,114	10,782	10,759	9,487	8,674	9,224	8,641
North Dakota	36,093	3,280	2,647	2,283	2,883	3,154	3,139
Ohio	298,171	28,015	26,643	22,154	21,219	21,697	21,048
Oklahoma	211,168	19,260	17,725	18,413	16,514	16,650	16,177
Oregon	57,008	5,284	5,126	5,223	4,485	4,370	4,154
Pennsylvania	249,026	25,926	24,884	22,071	21,141	22,135	15,761
Rhode Island	8,819	786	714	661	670	690	680
South Carolina	94,907	8,096	8,389	8,004	7,104	7,544	7,749
South Dakota	46,014	4,698	3,856	3,084	3,415	3,590	3,681
Tennessee	147,533	12,933	12,550	12,156	10,824	11,380	11,132
Texas	1,799,319	167,322	152,645	145,196	140,135	149,207	148,069
Utah	41,348	3,720	3,767	3,122	3,052	2,875	3,023
Vermont	2,370	223	214	190	156	163	154
Virginia	100,608	8,522	8,860	8,129	8,405	8,275	8,323
Washington	78,490	7,242	6,842	7,239	6,560	6,048	5,885
West Virginia	36,570	3,197	3,161	2,958	2,708	2,783	2,801
Wisconsin	162,622	16,830	16,175	12,957	10,355	10,430	10,254
Wyoming	61,755	6,239	5,453	5,470	4,610	4,682	4,836
Total	8,421,655	778,634	735,260	684,410	644,435	672,136	649,985

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019					
	June	May	April	March	February	January
Alabama	17,864	18,233	17,426	19,316	17,930	20,939
Alaska	1,041	1,087	1,115	1,555	1,496	1,742
Arizona	1,330	1,531	1,478	1,602	1,834	2,044
Arkansas	8,236	8,746	8,482	9,472	8,849	10,016
California	60,273	63,860	59,312	63,355	57,327	65,438
Colorado	6,001	7,405	7,445	9,148	9,591	10,231
Connecticut	1,590	1,691	1,777	2,233	2,325	2,734
Delaware	2,541	2,606	2,452	2,868	2,871	3,530
District of Columbia	--	--	--	--	--	--
Florida	9,419	10,447	10,411	9,990	9,276	10,858
Georgia	12,090	12,660	12,624	13,890	12,498	14,832
Hawaii	7	8	8	7	7	8
Idaho ^a	2,621	2,710	2,817	3,374	3,431	3,855
Illinois	17,830	20,466	20,271	25,448	25,552	30,420
Indiana	30,495	34,525	35,898	40,810	36,785	42,103
Iowa	19,447	21,140	19,774	22,317	21,893	23,113
Kansas	10,018	9,290	8,855	11,138	12,363	13,144
Kentucky	8,447	9,259	10,068	12,266	10,803	13,128
Louisiana	92,948	99,122	95,649	97,218	93,611	101,564
Maine	1,375	1,597	1,746	1,966	1,909	2,110
Maryland	1,439	1,085	1,520	1,619	1,445	1,743
Massachusetts	2,744	3,695	4,135	5,097	5,884	5,823
Michigan	10,841	12,976	14,144	18,429	16,773	20,084
Minnesota	11,675	12,616	14,446	15,280	15,847	16,897
Mississippi	10,035	11,309	11,705	11,694	10,348	11,342
Missouri	4,404	4,579	4,995	6,063	6,701	7,488
Montana	1,771	1,850	1,733	1,901	2,085	2,154
Nebraska	6,598	7,164	6,280	6,610	7,306	7,817
Nevada	1,556	1,595	1,647	1,783	1,937	1,724
New Hampshire	748	814	877	963	961	942
New Jersey	4,864	4,688	4,134	5,747	5,465	5,415
New Mexico	1,431	1,530	1,492	1,661	1,513	1,578
New York	6,041	6,240	7,369	9,012	9,303	9,842
North Carolina	8,708	9,184	9,707	11,533	10,390	12,025
North Dakota	3,280	3,182	3,076	3,192	2,776	3,202
Ohio	17,195	22,428	24,655	30,365	29,530	33,220
Oklahoma	17,183	18,048	17,484	19,006	16,001	18,707
Oregon	4,057	4,446	4,763	5,027	4,845	5,229
Pennsylvania	15,766	15,819	17,509	22,786	21,573	23,655
Rhode Island	666	712	763	794	848	835
South Carolina	7,303	7,439	7,717	8,695	8,095	8,770
South Dakota	3,809	3,565	3,673	4,067	4,317	4,259
Tennessee	11,661	11,267	12,045	13,606	13,262	14,717
Texas	142,830	145,051	143,845	154,046	146,425	164,545
Utah	3,281	3,338	3,635	3,525	4,021	3,988
Vermont	169	188	197	233	229	254
Virginia	7,954	8,271	8,090	7,867	9,243	8,667
Washington	5,662	6,221	6,094	6,970	6,652	7,074
West Virginia	2,686	3,120	2,912	3,663	3,129	3,452
Wisconsin	10,113	11,722	13,038	16,414	16,639	17,695
Wyoming	4,531	4,750	4,214	5,046	5,586	6,337
Total	634,573	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.

-- 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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	137,452	144,946	154,403	28,663	23,731	25,144	26,750
Alaska	W	9,522	10,797	W	1,606	1,670	1,777
Arizona	127,801	131,644	113,591	31,837	28,300	23,621	16,393
Arkansas	46,089	48,578	53,833	7,989	12,231	10,521	7,233
California	200,827	183,204	187,374	38,867	37,170	41,259	38,571
Colorado	44,988	56,433	49,349	9,553	8,013	7,524	9,542
Connecticut	59,433	59,125	52,518	11,494	10,234	13,012	11,905
Delaware	W	7,689	8,582	1,488	932	357	763
District of Columbia	--	--	--	--	--	--	--
Florida	479,966	520,088	496,296	114,635	96,241	91,912	86,703
Georgia	151,439	161,602	147,203	32,694	31,407	26,084	27,672
Hawaii	--	--	--	--	--	--	--
Idaho	11,768	11,883	8,897	2,176	1,336	2,789	2,721
Illinois	54,689	67,205	46,216	8,967	9,596	11,496	11,332
Indiana	77,417	90,925	83,161	13,471	13,446	14,280	17,113
Iowa	7,015	15,508	15,800	980	1,743	1,152	1,377
Kansas	W	8,038	8,410	W	2,323	1,711	1,958
Kentucky	40,737	37,183	38,696	8,429	6,224	8,432	8,411
Louisiana	119,230	138,618	130,441	27,192	23,773	24,833	22,555
Maine	5,452	W	W	1,152	802	751	1,610
Maryland	32,872	36,883	40,127	6,190	8,818	7,097	5,574
Massachusetts	41,268	31,866	45,106	5,587	4,972	6,998	11,176
Michigan	86,600	114,041	100,714	15,049	17,392	13,504	22,133
Minnesota	22,896	30,782	25,508	4,130	4,119	3,887	5,030
Mississippi	139,979	150,893	130,809	28,579	27,535	20,379	28,522
Missouri	17,198	23,919	21,800	3,031	2,692	2,086	4,456
Montana	W	1,592	2,003	W	398	321	364
Nebraska	W	3,764	W	W	911	W	1,087
Nevada	70,486	73,054	65,819	13,451	14,040	14,465	12,977
New Hampshire	8,897	7,643	5,554	2,243	1,549	765	2,298
New Jersey	69,838	79,633	109,293	15,098	14,156	13,012	14,499
New Mexico	33,446	39,422	37,235	7,755	5,937	6,336	6,151
New York	148,055	135,086	136,578	31,529	23,436	27,983	29,976
North Carolina	114,546	120,648	119,925	21,805	17,525	22,841	22,662
North Dakota	W	6,687	3,994	W	1,197	1,323	1,106
Ohio	148,480	153,110	142,345	29,493	24,908	30,342	29,316
Oklahoma	89,770	131,907	108,053	17,607	14,471	14,529	21,736
Oregon	51,185	53,950	50,520	5,757	11,521	11,876	10,915
Pennsylvania	323,219	297,097	235,288	65,381	55,482	64,340	65,525
Rhode Island	16,849	19,944	19,793	3,357	2,035	4,026	3,450
South Carolina	61,876	75,202	66,318	13,882	14,128	9,586	10,987
South Dakota	W	W	W	W	803	W	729
Tennessee	36,542	41,110	43,891	6,019	4,308	6,596	8,329
Texas	581,581	644,108	593,391	128,192	114,458	94,604	124,912
Utah	26,747	22,363	25,991	5,788	5,279	5,048	4,842
Vermont	2	6	5	1	--	--	--
Virginia	145,480	182,709	149,958	25,731	29,464	32,451	26,118
Washington	37,927	39,779	29,409	3,939	8,807	9,927	7,254
West Virginia	6,309	6,020	2,461	1,982	1,863	877	717
Wisconsin	55,010	63,781	55,444	9,329	11,379	11,070	10,395
Wyoming	2,321	W	940	607	825	334	320
Total	3,967,805	4,286,876	3,981,944	815,753	753,517	744,195	787,939

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	2021						2020
	January	Total	December	November	October	September	August
Alabama	33,164	396,717	31,225	23,527	30,535	35,983	42,608
Alaska	1,726	24,019	1,834	1,404	1,985	W	2,509
Arizona	27,651	389,639	29,776	27,943	36,405	39,033	44,960
Arkansas	8,114	133,920	11,074	7,591	11,475	8,917	16,114
California	44,960	615,090	56,359	51,138	70,380	68,219	82,773
Colorado	10,357	145,888	10,447	9,810	11,572	12,320	16,674
Connecticut	12,787	156,669	13,427	11,786	10,787	13,304	15,626
Delaware	W	27,908	958	1,501	1,359	2,546	4,878
District of Columbia	--	--	--	--	--	--	--
Florida	90,475	1,359,365	90,109	98,114	120,816	123,370	138,598
Georgia	33,583	428,117	33,974	32,405	33,303	34,185	44,768
Hawaii	--	--	--	--	--	--	--
Idaho	2,746	31,021	2,897	2,478	1,800	W	3,457
Illinois	13,298	197,871	13,300	8,766	12,584	14,205	22,998
Indiana	19,108	226,087	18,225	14,188	17,051	17,217	21,309
Iowa	1,763	44,452	3,328	1,814	3,313	4,324	3,944
Kansas	1,273	26,550	1,557	1,358	4,023	1,775	3,280
Kentucky	9,242	107,020	9,477	7,798	9,294	5,772	10,878
Louisiana	20,878	367,514	25,895	25,850	32,488	31,101	37,360
Maine	1,137	W	910	W	744	780	1,177
Maryland	5,193	94,673	5,082	6,814	8,781	7,142	9,413
Massachusetts	12,534	103,737	9,516	6,375	8,157	8,308	13,521
Michigan	18,523	282,292	20,182	16,037	22,442	21,763	26,972
Minnesota	5,729	81,505	6,120	3,992	6,364	7,205	8,088
Mississippi	34,964	385,648	29,154	25,521	30,576	33,265	40,200
Missouri	4,933	71,469	4,635	3,762	5,357	6,300	8,861
Montana	266	4,413	390	314	358	W	W
Nebraska	508	14,032	546	420	1,251	2,032	1,745
Nevada	15,553	202,652	15,675	12,502	17,393	20,592	24,070
New Hampshire	2,041	26,063	774	1,634	2,433	3,044	3,160
New Jersey	13,073	228,997	13,612	16,363	19,059	18,153	27,623
New Mexico	7,267	104,318	7,228	7,205	8,662	10,112	12,200
New York	35,130	422,237	32,767	30,903	30,286	39,202	52,395
North Carolina	29,713	306,987	28,090	21,109	22,838	24,414	30,565
North Dakota	1,171	16,876	1,287	1,130	1,358	W	1,688
Ohio	34,421	374,502	33,306	27,814	22,559	30,643	36,292
Oklahoma	21,428	338,835	22,976	15,107	22,691	28,483	38,950
Oregon	11,116	130,346	12,587	10,504	12,413	13,462	13,093
Pennsylvania	72,491	825,720	70,763	51,434	67,117	78,143	91,745
Rhode Island	3,981	56,183	4,122	4,516	3,696	5,603	6,456
South Carolina	13,293	184,948	13,395	12,142	13,214	15,926	18,818
South Dakota	420	W	453	W	821	W	1,219
Tennessee	11,290	109,096	10,129	7,603	7,224	8,956	10,050
Texas	119,416	1,764,649	114,853	110,205	144,722	165,311	204,725
Utah	5,789	66,724	6,200	4,333	5,671	7,081	8,474
Vermont	1	14	1	1	1	1	2
Virginia	31,716	444,301	33,133	25,318	33,041	36,870	45,323
Washington	8,000	96,101	8,800	5,334	9,346	10,975	10,524
West Virginia	870	21,142	1,129	1,821	2,814	1,077	2,538
Wisconsin	12,837	153,599	10,835	8,698	12,939	11,413	15,272
Wyoming	234	5,767	167	336	512	620	1,432
Total	866,400	11,615,988	872,676	767,235	954,009	1,037,749	1,279,767

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						
	July	June	May	April	March	February	January
Alabama	47,915	39,978	30,789	21,675	31,862	30,570	30,050
Alaska	2,815	1,789	1,307	1,674	2,061	2,032	2,448
Arizona	44,493	35,384	32,569	25,210	21,144	25,483	27,239
Arkansas	17,024	13,147	8,563	7,287	10,707	9,322	12,698
California	61,287	41,730	28,872	29,838	43,329	38,341	42,824
Colorado	15,473	13,161	9,468	11,161	12,986	12,092	10,725
Connecticut	18,375	14,240	10,472	11,464	11,533	12,264	13,391
Delaware	5,444	3,533	1,802	2,024	1,066	1,280	1,516
District of Columbia	--	--	--	--	--	--	--
Florida	139,507	128,764	109,923	107,239	110,061	96,213	96,652
Georgia	46,606	41,274	36,149	27,529	29,001	34,691	34,232
Hawaii	--	--	--	--	--	--	--
Idaho	3,614	1,758	1,209	1,416	2,681	3,041	3,536
Illinois	36,854	21,958	11,018	11,458	14,705	14,087	15,938
Indiana	25,666	21,507	16,871	15,832	18,717	18,777	20,728
Iowa	7,561	4,660	3,621	2,052	1,832	4,259	3,744
Kansas	4,063	2,456	1,101	1,571	2,581	1,477	1,308
Kentucky	15,746	10,873	9,025	6,846	4,664	7,541	9,107
Louisiana	42,617	33,586	30,137	27,484	29,386	26,485	25,126
Maine	1,981	1,528	881	518	W	436	625
Maryland	12,314	8,243	5,578	7,311	8,886	8,866	6,242
Massachusetts	17,579	8,414	3,478	4,393	4,382	8,694	10,919
Michigan	35,963	24,892	19,680	18,724	22,089	25,044	28,503
Minnesota	11,477	7,476	4,889	5,128	5,799	6,294	8,672
Mississippi	40,356	35,682	33,743	27,772	26,783	31,772	30,823
Missouri	11,643	6,992	3,774	3,844	5,292	4,861	6,148
Montana	514	W	279	278	370	299	367
Nebraska	2,722	1,552	683	484	857	744	996
Nevada	21,767	17,600	14,768	13,468	15,115	14,019	15,683
New Hampshire	4,506	2,871	1,149	1,741	1,289	1,460	2,004
New Jersey	32,990	21,565	12,794	14,960	16,648	16,514	18,717
New Mexico	11,569	7,919	7,456	7,420	8,356	7,772	8,419
New York	62,408	39,190	23,513	21,105	28,948	29,390	32,130
North Carolina	33,686	25,637	21,539	15,106	26,173	29,070	28,760
North Dakota	1,869	1,339	948	1,338	1,463	1,376	1,562
Ohio	40,711	30,067	26,999	27,338	32,902	31,268	34,603
Oklahoma	46,047	32,673	27,518	20,722	26,140	27,841	29,686
Oregon	10,163	4,173	3,024	11,033	14,268	11,342	14,283
Pennsylvania	96,912	72,509	52,711	48,353	62,418	63,940	69,675
Rhode Island	6,174	5,672	3,852	3,659	3,863	4,089	4,481
South Carolina	21,115	15,135	15,967	15,041	14,931	14,498	14,764
South Dakota	1,739	W	W	W	749	713	900
Tennessee	14,261	9,763	6,615	5,923	8,186	10,265	10,122
Texas	211,294	169,432	142,927	116,928	126,696	127,574	129,982
Utah	7,360	5,243	3,972	2,893	3,949	5,682	5,867
Vermont	1	1	2	1	1	2	1
Virginia	49,433	38,474	35,823	34,074	37,441	35,832	39,538
Washington	7,825	3,519	3,378	9,089	10,281	7,328	9,703
West Virginia	3,324	2,419	2,093	1,372	1,410	554	592
Wisconsin	16,490	14,170	10,343	11,490	14,106	12,952	14,891
Wyoming	846	331	W	235	410	321	402
Total	1,372,103	1,045,572	833,954	763,925	878,908	878,768	931,322

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						
	Total	December	November	October	September	August	July
Alabama	420,582	27,336	29,169	35,097	43,906	45,729	45,184
Alaska	31,914	2,991	2,610	2,788	3,031	3,731	3,666
Arizona	356,102	31,145	25,191	33,369	36,494	42,432	40,838
Arkansas	155,001	9,301	10,970	15,055	14,469	18,503	17,649
California	578,056	56,766	56,775	57,110	59,584	68,980	57,417
Colorado	130,185	11,114	10,956	8,866	10,384	14,264	15,123
Connecticut	142,297	14,456	11,657	9,597	11,659	14,617	16,258
Delaware	27,550	862	1,459	1,775	2,470	4,427	5,473
District of Columbia	--	--	--	--	--	--	--
Florida	1,323,826	91,248	87,903	123,695	130,300	135,556	132,013
Georgia	413,444	31,691	32,311	36,248	40,793	45,230	42,770
Hawaii	--	--	--	--	--	--	--
Idaho	29,743	3,201	2,771	1,781	2,984	3,957	3,826
Illinois	152,786	11,235	9,284	13,062	14,067	19,497	26,151
Indiana	225,699	20,752	18,482	19,806	20,013	21,641	23,338
Iowa	51,759	4,456	3,478	3,680	5,182	7,476	7,403
Kansas	29,895	1,256	1,304	3,435	3,551	4,675	4,083
Kentucky	109,097	8,399	9,542	11,838	10,585	10,025	11,824
Louisiana	356,088	20,856	20,280	29,808	35,250	40,432	41,062
Maine	9,249	585	482	748	937	1,068	1,381
Maryland	98,990	6,135	6,145	8,214	8,057	10,352	11,838
Massachusetts	118,394	11,203	7,875	8,564	8,824	12,255	16,096
Michigan	280,764	23,915	22,263	25,948	23,480	31,962	31,934
Minnesota	75,692	5,864	4,377	6,626	7,086	10,152	10,076
Mississippi	367,497	27,926	27,400	30,340	37,653	42,294	41,123
Missouri	64,173	4,089	2,516	5,770	6,572	8,273	9,009
Montana	5,659	460	453	507	533	749	627
Nebraska	11,384	623	459	1,001	1,331	2,426	2,311
Nevada	193,078	16,193	14,705	14,874	18,258	23,505	21,718
New Hampshire	25,460	1,950	1,656	3,430	2,267	3,855	4,249
New Jersey	299,524	24,475	24,286	24,537	25,871	31,321	34,298
New Mexico	104,225	8,890	7,179	8,620	9,834	12,669	11,168
New York	398,926	32,383	30,278	29,067	33,727	47,323	56,213
North Carolina	307,876	23,234	23,340	25,814	28,528	30,711	31,074
North Dakota	13,130	1,199	1,016	1,215	1,323	1,687	1,668
Ohio	361,931	31,353	24,750	27,644	31,122	35,934	37,477
Oklahoma	338,401	28,090	21,504	25,804	34,743	45,834	41,677
Oregon	145,920	15,141	13,289	13,329	14,317	15,484	15,044
Pennsylvania	675,004	60,485	50,902	60,014	62,382	72,582	75,601
Rhode Island	56,026	4,193	4,245	4,857	4,917	6,465	6,526
South Carolina	186,297	14,314	13,257	14,971	18,421	20,454	20,764
South Dakota	10,589	798	634	1,057	1,234	1,823	1,786
Tennessee	118,464	9,357	10,264	7,118	11,872	12,447	12,548
Texas	1,750,596	128,744	119,209	143,993	185,513	217,812	194,954
Utah	67,774	5,974	5,390	4,569	5,215	7,458	7,544
Vermont	12	1	--	2	--	*	2
Virginia	410,865	36,301	26,607	27,302	38,295	46,004	47,309
Washington	102,792	11,251	8,110	9,028	11,637	13,907	12,929
West Virginia	15,154	222	873	3,651	2,386	2,276	2,045
Wisconsin	156,400	13,843	11,583	14,028	13,491	17,570	17,672
Wyoming	3,159	321	277	221	238	475	486
Total	11,307,426	896,577	819,468	959,873	1,094,787	1,288,300	1,273,225

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					
	June	May	April	March	February	January
Alabama	39,758	37,141	27,452	34,499	27,454	27,856
Alaska	2,299	1,483	2,055	2,365	2,253	2,641
Arizona	33,041	23,524	25,774	22,993	19,527	21,773
Arkansas	15,221	11,724	9,874	10,143	12,558	9,533
California	34,050	24,066	27,541	39,440	47,018	49,309
Colorado	10,129	9,582	8,839	9,977	10,849	10,102
Connecticut	11,534	10,411	10,868	10,081	9,878	11,279
Delaware	2,502	1,969	1,820	2,298	1,317	1,178
District of Columbia	--	--	--	--	--	--
Florida	126,815	124,366	101,353	95,064	85,791	89,722
Georgia	37,199	33,992	29,580	24,867	28,348	30,417
Hawaii	--	--	--	--	--	--
Idaho	2,325	824	1,209	1,472	2,534	2,858
Illinois	13,274	8,285	10,835	9,265	8,226	9,604
Indiana	18,506	15,319	14,395	17,467	17,270	18,710
Iowa	4,284	2,796	2,655	3,499	3,295	3,555
Kansas	3,182	3,215	1,533	1,117	1,234	1,311
Kentucky	8,187	7,788	6,338	9,041	6,075	9,455
Louisiana	37,958	31,477	29,309	22,645	21,437	25,573
Maine	757	585	W	750	794	897
Maryland	8,122	7,818	6,785	10,280	7,994	7,250
Massachusetts	8,469	6,342	7,336	9,796	10,082	11,550
Michigan	20,548	19,149	20,857	19,996	18,757	21,955
Minnesota	6,002	4,059	5,358	5,443	6,240	4,408
Mississippi	29,953	30,927	25,132	24,399	24,432	25,918
Missouri	6,146	5,363	4,273	4,640	3,530	3,993
Montana	326	254	248	349	652	501
Nebraska	846	585	W	576	399	414
Nevada	18,006	12,718	12,314	13,366	12,971	14,451
New Hampshire	2,499	272	1,876	1,552	607	1,248
New Jersey	25,443	20,995	23,279	20,943	21,583	22,493
New Mexico	8,630	7,764	7,490	7,020	7,254	7,707
New York	33,357	24,173	24,743	27,326	29,106	31,229
North Carolina	25,250	23,035	20,330	25,073	26,451	25,036
North Dakota	1,028	642	870	819	750	913
Ohio	31,306	25,848	27,356	30,521	29,419	29,201
Oklahoma	32,696	20,562	20,239	20,462	21,723	25,067
Oregon	8,796	3,129	8,329	13,046	12,257	13,759
Pennsylvania	57,750	48,335	35,429	49,870	49,241	52,413
Rhode Island	5,028	4,872	3,757	4,311	3,311	3,543
South Carolina	17,798	16,301	12,971	11,690	12,736	12,619
South Dakota	830	W	W	489	473	594
Tennessee	10,967	10,524	4,712	10,396	8,881	9,378
Texas	166,980	144,980	103,176	112,132	105,531	127,571
Utah	5,633	5,088	3,736	6,281	5,424	5,462
Vermont	3	--	1	2	1	1
Virginia	39,089	25,468	24,181	31,564	34,104	34,642
Washington	6,520	3,034	5,346	6,537	5,315	9,177
West Virginia	1,241	731	678	419	223	411
Wisconsin	12,768	9,177	12,114	11,647	10,768	11,738
Wyoming	200	206	140	209	265	120
Total	993,253	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	2020	2019	2021			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	266,752	261,380	279,966	49,959	46,508	50,124	55,649
Alaska	NA	NA	35,090	4,479	NA	8,032	8,017
Arizona	179,330	182,990	166,260	38,076	35,205	34,349	28,885
Arkansas	NA	140,511	147,770	NA	27,446	32,086	30,194
California	NA	NA	880,341	142,644	NA	180,131	166,360
Colorado	203,406	199,098	209,438	26,490	34,444	40,758	49,614
Connecticut	131,477	127,733	124,310	18,712	20,135	28,249	30,779
Delaware	36,109	NA	38,077	5,656	5,693	6,418	9,099
District of Columbia	NA	14,000	15,633	1,266	NA	3,120	4,249
Florida	NA	NA	586,931	NA	115,619	111,665	105,453
Georgia	321,033	317,050	307,985	53,689	56,925	57,331	70,153
Hawaii	NA	1,123	1,406	NA	246	220	200
Idaho	55,183	53,195	51,716	6,811	7,961	11,858	13,597
Illinois	535,362	538,910	573,095	57,364	74,316	103,674	152,384
Indiana	375,695	377,424	410,256	54,259	59,974	72,158	92,995
Iowa	170,352	186,788	199,919	22,972	27,782	32,478	43,749
Kansas	NA	119,710	126,530	15,064	NA	23,481	35,269
Kentucky	NA	133,002	143,580	NA	21,592	27,860	37,145
Louisiana	598,398	NA	653,237	115,586	114,630	117,260	117,610
Maine	NA	20,114	20,260	3,481	3,637	4,436	5,681
Maryland	129,673	124,224	137,645	16,171	21,567	26,096	32,470
Massachusetts	NA	178,907	218,574	NA	26,503	40,251	52,624
Michigan	445,461	463,029	489,396	49,452	66,495	82,844	126,771
Minnesota	228,510	NA	252,080	26,626	36,566	46,492	59,377
Mississippi	NA	NA	209,426	NA	42,264	37,115	NA
Missouri	145,802	144,888	157,036	14,648	18,384	23,839	45,239
Montana	37,849	37,793	41,230	4,922	6,234	7,316	9,977
Nebraska	NA	NA	83,274	NA	12,664	NA	22,523
Nevada	119,590	NA	120,779	19,388	20,736	25,095	24,918
New Hampshire	23,196	21,374	21,396	3,597	3,630	3,850	6,031
New Jersey	NA	NA	362,350	NA	NA	NA	83,215
New Mexico	78,154	NA	83,037	12,223	11,524	16,453	17,527
New York	610,729	581,836	639,524	75,864	87,056	125,979	156,764
North Carolina	239,950	232,157	241,743	36,515	35,093	46,977	53,387
North Dakota	39,599	39,820	36,694	5,459	6,791	8,704	9,066
Ohio	553,392	539,648	563,011	73,111	81,980	110,485	142,643
Oklahoma	245,184	284,000	267,219	40,454	39,524	45,073	57,743
Oregon	117,709	118,263	118,218	14,086	21,706	27,087	27,193
Pennsylvania	NA	607,451	580,368	NA	100,187	129,788	154,542
Rhode Island	38,984	40,992	42,986	5,271	5,134	8,848	9,264
South Carolina	135,022	142,050	135,869	24,563	25,517	24,163	28,083
South Dakota	NA	37,338	39,474	5,855	NA	7,877	9,726
Tennessee	178,757	NA	178,315	23,728	25,341	31,864	46,694
Texas	NA	1,617,683	1,591,425	NA	NA	287,004	317,417
Utah	105,855	NA	113,996	13,756	17,337	21,692	24,328
Vermont	6,947	6,686	7,414	778	1,034	1,513	1,743
Virginia	NA	NA	282,082	NA	48,423	NA	59,120
Washington	NA	NA	142,431	NA	26,330	35,109	35,250
West Virginia	51,111	NA	45,743	7,585	8,561	9,936	11,947
Wisconsin	261,225	265,269	280,405	30,552	40,052	51,436	69,583
Wyoming	NA	NA	42,611	6,950	NA	NA	9,968
Total	12,116,267	12,177,395	12,497,550	1,878,945	2,023,904	2,372,497	2,811,336

See footnotes at end of table.

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

(million cubic feet) – continued

State	2021						2020
	January	Total	December	November	October	September	August
Alabama	64,512	659,717	60,009	47,563	51,695	54,471	61,608
Alaska	7,799	NA	8,057	7,220	6,573	5,094	4,931
Arizona	42,814	486,515	42,138	35,936	42,067	43,813	49,580
Arkansas	32,576	324,404	33,843	24,528	25,037	20,673	27,416
California	198,199	NA	211,375	179,021	172,144	168,550	181,929
Colorado	52,101	423,422	52,180	40,026	33,182	24,306	26,223
Connecticut	33,602	NA	30,643	NA	NA	18,455	20,760
Delaware	9,243	NA	NA	6,921	5,866	6,207	8,550
District of Columbia	4,285	NA	4,345	2,263	1,173	NA	886
Florida	NA	NA	109,859	114,773	NA	NA	154,237
Georgia	82,936	754,208	80,495	61,713	53,760	53,153	63,932
Hawaii	211	2,412	216	177	182	169	181
Idaho	14,957	118,925	15,418	12,457	8,894	7,872	7,357
Illinois	147,623	NA	133,818	87,977	73,023	NA	54,918
Indiana	96,310	815,432	92,345	67,063	61,851	52,823	54,468
Iowa	43,370	NA	43,205	NA	32,147	26,187	25,058
Kansas	32,083	258,434	28,744	21,211	22,138	14,311	17,213
Kentucky	38,389	300,241	36,065	24,781	22,787	16,110	21,469
Louisiana	133,312	NA	140,416	128,494	NA	NA	134,786
Maine	NA	NA	4,706	3,196	NA	NA	3,181
Maryland	33,370	NA	NA	21,207	18,173	14,336	NA
Massachusetts	55,223	NA	47,574	NA	NA	17,823	NA
Michigan	119,899	NA	110,112	NA	69,427	47,494	48,352
Minnesota	59,449	NA	54,943	41,997	34,821	NA	23,428
Mississippi	NA	NA	48,645	41,045	42,072	44,007	51,515
Missouri	43,693	293,994	38,628	24,588	17,945	15,367	17,384
Montana	9,399	NA	9,062	7,487	NA	3,733	3,597
Nebraska	20,750	NA	20,155	15,208	14,125	11,967	12,055
Nevada	29,453	NA	28,288	NA	23,288	25,610	28,740
New Hampshire	6,088	50,772	4,381	3,518	3,727	4,188	4,179
New Jersey	87,294	NA	79,690	54,097	39,387	34,123	41,983
New Mexico	20,428	NA	20,325	15,123	14,056	14,086	15,784
New York	165,066	1,223,045	152,387	104,189	70,882	69,616	81,545
North Carolina	67,978	NA	63,052	41,996	37,762	37,259	42,867
North Dakota	9,580	NA	9,316	NA	5,883	5,254	5,639
Ohio	145,174	1,091,517	135,172	92,574	66,123	59,839	67,002
Oklahoma	62,389	NA	61,380	43,524	45,469	49,219	59,493
Oregon	27,637	260,509	29,279	24,905	21,983	19,600	19,232
Pennsylvania	166,929	1,403,784	153,509	101,961	102,540	103,247	115,790
Rhode Island	10,466	93,189	9,839	7,919	5,180	7,014	7,766
South Carolina	32,696	329,091	31,881	24,703	23,672	25,169	27,795
South Dakota	8,928	80,201	8,614	7,004	5,849	5,689	5,528
Tennessee	51,131	NA	46,969	30,272	25,015	24,359	25,053
Texas	359,698	NA	355,407	305,656	NA	334,017	376,946
Utah	28,742	NA	31,666	16,887	12,768	13,621	NA
Vermont	1,879	12,639	1,600	1,160	778	601	633
Virginia	70,766	NA	68,203	43,595	49,689	NA	NA
Washington	NA	NA	36,675	29,771	27,250	21,890	20,777
West Virginia	13,081	NA	11,574	8,966	8,374	5,433	6,762
Wisconsin	69,603	532,340	61,711	43,458	43,768	28,160	30,369
Wyoming	NA	NA	10,418	8,923	7,518	NA	6,433
Total	3,029,586	27,727,489	2,906,089	2,215,057	2,101,137	1,960,892	2,177,841

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020						
	July	June	May	April	March	February	January
Alabama	65,812	57,178	49,012	41,055	54,084	58,085	59,144
Alaska	4,994	NA	NA	NA	8,006	8,461	10,194
Arizona	49,565	40,426	37,915	32,433	31,312	38,627	42,703
Arkansas	28,394	24,001	21,734	21,820	30,465	30,203	36,289
California	159,573	136,101	126,409	NA	183,374	172,560	212,357
Colorado	24,665	23,743	23,126	35,183	39,485	50,501	50,801
Connecticut	23,714	19,471	17,653	22,659	25,202	30,009	32,210
Delaware	9,026	7,069	6,071	NA	NA	NA	9,744
District of Columbia	956	961	1,305	2,033	2,678	3,758	4,225
Florida	154,595	NA	NA	123,697	NA	114,871	NA
Georgia	64,927	59,178	56,568	50,382	56,337	75,293	78,470
Hawaii	188	174	160	180	251	252	280
Idaho	7,641	6,092	5,837	7,604	11,342	13,661	14,751
Illinois	69,411	55,621	60,474	81,501	110,125	139,983	146,827
Indiana	57,344	52,114	54,075	58,934	76,505	90,053	97,857
Iowa	NA	24,161	26,803	29,614	36,858	45,021	48,492
Kansas	18,695	16,413	15,145	19,771	23,452	29,011	32,332
Kentucky	25,361	20,668	20,411	20,970	23,130	33,101	35,390
Louisiana	NA	131,840	127,024	121,581	129,326	128,433	NA
Maine	3,921	3,661	3,494	3,471	3,843	4,421	4,885
Maryland	18,938	14,940	14,688	19,644	25,644	31,313	32,934
Massachusetts	27,011	17,203	17,470	29,254	34,251	46,228	51,703
Michigan	55,577	44,803	52,391	71,140	94,528	120,210	124,760
Minnesota	25,737	NA	24,401	NA	47,038	NA	NA
Mississippi	52,399	47,215	45,380	NA	42,055	50,088	50,357
Missouri	19,698	15,496	14,570	18,726	27,591	39,717	44,284
Montana	3,857	4,245	5,130	6,077	7,958	8,864	9,764
Nebraska	13,289	10,773	9,816	NA	17,168	19,100	23,190
Nevada	26,811	22,663	20,078	20,654	NA	26,405	30,226
New Hampshire	5,505	3,900	2,566	3,925	4,106	4,997	5,780
New Jersey	50,543	40,625	35,465	50,969	59,820	70,063	NA
New Mexico	15,070	11,274	10,947	12,713	17,760	NA	21,179
New York	92,279	70,310	71,595	92,713	119,072	142,658	155,798
North Carolina	NA	NA	35,395	30,633	46,884	57,512	61,733
North Dakota	5,531	5,108	4,763	6,871	8,464	9,221	10,501
Ohio	70,711	60,448	70,225	87,582	110,594	134,037	137,209
Oklahoma	NA	52,845	49,746	46,365	55,273	64,312	68,304
Oregon	16,337	10,909	10,807	20,853	29,077	26,772	30,754
Pennsylvania	120,516	98,772	87,937	96,574	123,519	143,269	156,152
Rhode Island	7,473	7,006	5,900	7,272	8,103	9,415	10,303
South Carolina	29,954	23,869	25,587	24,907	27,914	30,850	32,792
South Dakota	5,615	4,564	4,307	6,100	7,636	9,026	10,269
Tennessee	28,457	24,273	NA	24,685	NA	44,867	45,428
Texas	383,592	NA	310,386	287,477	322,496	340,114	357,210
Utah	13,844	12,958	12,017	NA	18,590	26,766	29,015
Vermont	595	587	748	1,075	1,377	1,660	1,826
Virginia	62,813	51,489	NA	50,304	NA	NA	72,599
Washington	17,874	14,399	15,806	25,409	NA	NA	37,945
West Virginia	7,150	6,664	6,841	NA	9,215	10,920	NA
Wisconsin	31,093	28,511	31,595	42,501	55,549	65,825	69,799
Wyoming	6,215	5,386	5,868	8,053	NA	9,254	9,963
Total	2,264,043	1,925,035	1,859,926	2,025,135	2,466,131	2,791,080	3,035,123

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019						
	Total	December	November	October	September	August	July
Alabama	693,175	54,470	52,645	54,962	62,098	64,663	64,620
Alaska	80,374	9,041	7,765	6,824	5,839	5,718	5,687
Arizona	453,068	43,211	33,101	39,139	40,994	46,828	45,431
Arkansas	349,156	30,603	30,255	28,219	25,702	29,566	30,088
California	2,093,641	211,218	193,167	172,788	164,347	176,491	161,939
Colorado	426,653	51,854	44,370	31,201	20,731	24,229	22,526
Connecticut	276,890	33,791	26,721	16,961	16,969	19,833	21,498
Delaware	88,649	8,310	7,975	5,824	5,961	7,818	8,734
District of Columbia	28,645	4,607	3,309	972	1,026	1,155	932
Florida	1,528,405	111,302	105,079	139,765	145,328	151,124	146,609
Georgia	748,044	71,622	67,658	57,540	58,615	63,627	65,272
Hawaii	3,277	268	243	269	265	282	290
Idaho	120,174	14,572	12,967	10,748	7,945	7,992	7,762
Illinois	1,105,548	130,382	120,855	70,933	46,805	53,854	60,200
Indiana	883,160	93,330	85,005	65,487	55,689	59,223	59,976
Iowa	431,050	45,046	41,866	32,335	26,417	30,353	28,234
Kansas	271,173	29,253	25,191	19,460	16,716	19,015	18,752
Kentucky	316,999	32,625	32,284	25,246	20,874	21,291	22,297
Louisiana	1,570,593	131,257	122,266	126,450	129,928	137,194	136,132
Maine	43,326	4,590	3,964	3,252	2,845	2,792	3,070
Maryland	275,864	31,762	26,802	15,629	14,397	16,458	18,606
Massachusetts	423,918	54,841	41,802	23,789	19,516	21,878	25,120
Michigan	968,460	111,425	102,091	68,212	45,643	53,772	53,356
Minnesota	496,642	59,721	47,993	33,923	24,360	26,942	27,528
Mississippi	541,981	45,851	43,960	42,746	49,874	54,963	53,794
Missouri	308,549	36,509	30,237	21,342	14,849	16,538	17,301
Montana	81,070	9,493	8,667	5,831	3,986	3,674	4,034
Nebraska	178,246	18,780	20,539	12,728	9,845	11,838	11,597
Nevada	298,178	29,864	23,798	21,648	23,336	28,415	26,870
New Hampshire	53,464	5,845	3,938	4,855	3,447	4,960	5,337
New Jersey	759,439	91,784	74,848	47,568	42,187	47,499	50,862
New Mexico	194,853	22,701	17,486	15,012	13,396	16,331	14,537
New York	1,286,596	154,470	126,703	69,838	64,810	78,246	87,400
North Carolina	553,808	54,298	51,730	40,549	40,829	43,408	42,967
North Dakota	77,802	8,874	7,014	4,865	4,783	5,377	5,310
Ohio	1,128,131	128,444	108,155	71,182	62,503	66,989	68,610
Oklahoma	667,809	64,806	53,494	48,640	54,069	65,341	60,908
Oregon	283,285	31,740	27,733	25,647	21,552	21,856	21,168
Pennsylvania	1,323,927	148,828	115,746	97,947	93,160	103,859	100,410
Rhode Island	97,248	10,071	8,853	7,041	6,306	7,762	7,785
South Carolina	335,120	30,866	28,586	25,337	27,365	29,804	30,304
South Dakota	84,818	9,374	7,779	5,653	5,242	5,972	6,046
Tennessee	391,301	41,744	40,589	24,199	26,239	26,910	27,118
Texas	3,977,685	349,525	315,077	308,637	341,073	382,909	360,330
Utah	232,719	30,476	22,351	14,197	11,785	13,191	14,238
Vermont	13,863	1,774	1,437	781	622	607	597
Virginia	665,412	67,601	51,329	41,506	51,305	59,267	60,253
Washington	332,431	39,379	32,785	30,061	23,465	23,910	23,142
West Virginia	99,180	10,160	9,835	9,241	6,366	6,441	6,181
Wisconsin	572,662	65,475	58,964	42,348	29,526	33,459	33,107
Wyoming	91,981	10,432	9,208	6,907	5,333	5,702	5,970
Total	28,308,442	2,888,266	2,536,215	2,096,233	1,996,263	2,207,326	2,180,835

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019					
	June	May	April	March	February	January
Alabama	59,750	57,880	48,361	60,634	51,449	61,642
Alaska	4,410	4,433	5,831	7,379	8,148	9,298
Arizona	38,104	29,707	32,756	33,902	32,996	36,899
Arkansas	26,953	25,256	24,419	31,780	32,680	33,634
California	133,348	139,686	137,278	180,449	211,208	211,720
Colorado	22,303	28,344	30,431	47,134	49,943	53,586
Connecticut	16,806	17,394	20,486	26,363	27,612	32,454
Delaware	5,949	5,746	5,847	8,722	8,143	9,619
District of Columbia	1,011	1,277	1,781	3,625	4,354	4,595
Florida	142,269	141,416	119,020	112,980	103,430	110,083
Georgia	55,725	53,829	52,480	59,674	62,289	79,712
Hawaii	253	279	279	278	268	302
Idaho	6,473	5,665	7,269	10,602	13,476	14,704
Illinois	49,424	59,839	80,088	126,911	140,118	166,138
Indiana	54,195	57,901	64,310	90,921	90,289	106,835
Iowa	26,880	29,045	30,831	43,020	46,382	50,640
Kansas	16,256	16,442	15,723	26,462	32,901	35,002
Kentucky	18,802	19,641	20,635	33,413	29,665	40,226
Louisiana	134,130	134,290	129,810	127,344	122,886	138,907
Maine	2,552	2,915	3,082	4,393	4,653	5,217
Maryland	14,564	15,934	16,751	33,182	33,414	38,363
Massachusetts	18,396	22,694	30,555	49,056	53,142	63,127
Michigan	44,566	55,309	74,055	109,832	114,243	135,956
Minnesota	24,095	28,198	38,953	54,071	64,770	66,088
Mississippi	41,367	43,749	39,274	41,298	39,830	45,275
Missouri	14,737	16,153	18,627	34,932	40,689	46,635
Montana	4,156	4,805	5,641	9,111	11,848	9,825
Nebraska	9,645	11,371	11,444	17,853	21,268	21,338
Nevada	23,469	19,008	19,677	25,328	27,406	29,359
New Hampshire	3,688	1,942	4,134	5,030	4,487	5,803
New Jersey	42,340	42,941	53,223	80,841	87,978	97,366
New Mexico	12,353	12,635	13,370	16,042	18,952	22,040
New York	65,604	69,607	89,448	145,710	153,419	181,340
North Carolina	38,283	36,315	36,638	53,007	53,523	62,261
North Dakota	4,885	5,101	5,954	7,780	8,756	9,104
Ohio	59,238	66,061	83,435	128,659	131,899	152,958
Oklahoma	53,333	43,136	44,283	55,123	57,924	66,752
Oregon	15,371	10,766	18,794	27,936	29,973	30,749
Pennsylvania	83,610	79,832	77,949	129,639	134,488	158,460
Rhode Island	6,445	7,002	6,821	9,627	9,070	10,466
South Carolina	26,988	25,834	24,077	26,724	27,618	31,616
South Dakota	5,277	5,280	6,349	8,362	9,817	9,666
Tennessee	26,187	25,828	23,268	40,569	38,873	49,777
Texas	328,708	310,217	280,575	322,073	314,288	364,272
Utah	12,486	16,471	14,028	24,519	28,045	30,933
Vermont	631	733	1,078	1,628	1,820	2,154
Virginia	52,069	39,305	41,295	59,871	67,385	74,226
Washington	17,258	15,556	22,215	30,811	36,289	37,560
West Virginia	5,213	5,681	6,577	10,964	9,921	12,599
Wisconsin	29,378	32,882	44,453	60,837	66,712	75,520
Wyoming	5,818	6,665	6,607	8,939	9,802	10,597
Total	1,905,754	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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	3.23	2.86	3.73	3.60	3.13	3.29	3.40
Alaska	7.74	8.29	8.17	8.19	8.00	7.73	7.71
Arizona	8.65	2.23	2.75	3.26	3.27	3.66	27.38
Arkansas	NA	NA	4.23	NA	4.10	NA	21.50
California	NA	2.71	3.22	3.92	3.65	NA	NA
Colorado	7.85	2.53	3.59	3.87	3.50	4.11	18.69
Connecticut	4.44	4.26	5.07	7.17	5.29	3.89	5.07
Delaware	4.76	NA	5.11	8.38	6.06	4.75	4.52
District of Columbia	--	--	--	--	--	--	--
Florida	NA	NA	7.20	NA	6.34	NA	7.92
Georgia	3.65	3.08	4.04	4.01	3.35	3.68	4.05
Hawaii	18.85	NA	18.32	21.74	20.72	19.40	17.06
Idaho	2.52	2.28	2.73	2.64	2.35	2.39	2.88
Illinois	NA	2.64	3.46	4.01	NA	4.20	15.08
Indiana	4.39	2.79	3.63	3.77	3.26	3.65	7.00
Iowa	9.19	3.29	3.70	4.88	4.68	5.06	18.89
Kansas	14.57	2.92	3.74	6.17	4.20	5.00	30.80
Kentucky	NA	2.69	3.57	NA	3.33	3.55	3.64
Louisiana	NA	NA	4.01	3.27	3.56	NA	4.18
Maine	NA	NA	7.37	6.49	5.87	5.55	5.56
Maryland	4.15	3.74	4.76	6.55	5.03	4.46	3.94
Massachusetts	5.24	4.50	5.01	8.59	5.66	4.89	5.16
Michigan	2.98	2.80	3.37	3.25	2.95	3.33	2.86
Minnesota	10.00	NA	4.08	3.81	3.85	4.09	22.48
Mississippi	3.97	3.22	4.00	4.27	3.99	4.58	4.19
Missouri	7.88	3.09	4.04	6.26	4.71	3.43	16.17
Montana	NA	2.84	2.93	NA	3.67	3.74	6.29
Nebraska	NA	NA	3.94	NA	3.65	3.75	13.66
Nevada	5.87	NA	4.59	3.97	4.00	3.60	12.64
New Hampshire	4.97	NA	6.20	6.24	4.65	4.58	5.11
New Jersey	4.40	NA	4.92	4.02	4.12	4.73	4.38
New Mexico	NA	NA	2.75	3.33	3.03	NA	NA
New York	3.65	3.18	4.00	5.19	3.65	3.39	3.99
North Carolina	3.52	2.98	3.87	4.86	3.92	3.56	3.91
North Dakota	6.93	3.05	3.76	3.92	3.60	4.39	13.32
Ohio	NA	NA	3.75	4.15	2.91	3.78	NA
Oklahoma	26.05	3.05	3.83	4.93	3.78	4.00	62.44
Oregon	3.97	3.11	3.56	4.16	3.56	3.33	5.38
Pennsylvania	4.14	NA	4.51	3.91	3.79	4.47	4.37
Rhode Island	2.07	2.98	2.59	2.09	2.06	2.24	2.02
South Carolina	4.24	3.16	4.19	4.34	4.24	4.32	4.86
South Dakota	8.38	3.04	3.74	3.78	3.52	4.35	17.65
Tennessee	3.93	NA	3.72	3.65	3.34	3.59	5.12
Texas	NA	NA	3.33	3.56	NA	NA	38.75
Utah	5.87	5.70	5.02	3.88	4.78	6.70	6.18
Vermont	3.91	3.25	4.24	3.98	3.80	4.00	3.96
Virginia	3.86	NA	4.45	5.81	4.15	4.18	3.85
Washington	NA	3.41	4.84	NA	4.08	3.85	3.04
West Virginia	3.28	3.09	3.74	4.76	3.54	3.65	3.13
Wisconsin	4.91	3.15	4.03	4.85	3.89	4.23	7.30
Wyoming	NA	NA	3.67	3.46	NA	4.34	17.01
Total	6.32	3.20	3.94	4.33	3.82	4.09	12.43

See footnotes at end of table.

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

State	2021						2020
	January	Total	December	November	October	September	August
Alabama	2.92	3.00	3.06	3.45	3.11	3.65	3.11
Alaska	7.43	8.24	7.82	7.83	7.85	8.08	8.23
Arizona	3.49	2.56	3.39	3.48	2.17	2.28	2.54
Arkansas	3.06	NA	3.47	3.85	4.18	5.07	5.82
California	NA	3.02	4.03	3.79	3.08	3.41	2.27
Colorado	3.06	2.81	2.97	3.44	2.89	3.50	3.37
Connecticut	3.14	NA	4.02	NA	NA	8.70	8.60
Delaware	3.77	NA	3.66	4.85	6.87	9.58	11.44
District of Columbia	--	--	--	--	--	--	--
Florida	NA	NA	5.98	8.34	NA	NA	NA
Georgia	3.29	3.25	3.53	4.02	3.51	3.68	3.12
Hawaii	14.80	NA	12.70	11.57	11.23	11.08	12.00
Idaho	2.33	2.37	2.43	2.50	2.43	2.60	2.55
Illinois	3.17	NA	2.92	3.46	3.01	NA	NA
Indiana	3.13	2.99	3.10	3.17	3.12	3.53	4.47
Iowa	3.64	3.38	3.75	3.81	3.23	3.65	3.55
Kansas	3.11	NA	3.25	3.93	NA	NA	NA
Kentucky	2.94	2.81	2.97	3.33	2.85	3.05	2.84
Louisiana	2.98	NA	3.34	3.54	2.85	2.15	NA
Maine	NA	NA	5.59	NA	NA	6.47	6.35
Maryland	3.47	NA	NA	4.35	4.80	6.45	7.87
Massachusetts	4.63	NA	4.67	NA	6.34	10.00	12.13
Michigan	2.84	NA	2.85	3.05	2.55	2.76	2.30
Minnesota	4.08	NA	4.58	4.41	3.36	4.23	NA
Mississippi	3.25	3.35	3.53	3.90	3.39	3.81	3.24
Missouri	3.15	NA	3.48	3.97	3.83	NA	5.99
Montana	3.37	2.92	3.22	3.19	2.40	2.56	3.31
Nebraska	3.42	NA	3.45	3.33	3.22	3.89	3.60
Nevada	3.68	NA	3.81	3.88	3.50	3.58	2.99
New Hampshire	4.99	NA	4.68	4.31	4.39	7.76	8.39
New Jersey	4.39	NA	4.07	4.15	4.13	4.68	5.28
New Mexico	3.20	NA	3.13	3.18	2.82	2.43	2.38
New York	3.16	3.64	3.14	3.38	4.54	6.93	7.52
North Carolina	2.89	3.27	3.07	3.59	3.62	4.35	4.78
North Dakota	3.74	3.28	3.68	4.09	3.11	3.73	3.49
Ohio	3.23	NA	3.28	3.28	2.91	3.45	NA
Oklahoma	3.31	3.35	3.49	3.77	3.53	4.98	4.27
Oregon	3.25	NA	3.31	3.34	NA	4.86	5.37
Pennsylvania	3.95	NA	3.84	4.48	3.09	3.28	2.86
Rhode Island	1.98	2.59	1.96	1.96	1.97	2.01	2.04
South Carolina	3.63	3.26	3.70	4.02	3.54	3.25	3.25
South Dakota	3.65	3.33	3.62	4.10	3.18	4.08	4.06
Tennessee	3.19	NA	3.22	3.51	3.05	3.34	2.86
Texas	2.99	NA	3.15	3.18	2.58	2.99	2.90
Utah	6.35	NA	NA	6.08	4.89	2.67	2.09
Vermont	3.82	3.33	3.82	3.79	3.26	3.48	3.01
Virginia	3.25	NA	3.14	NA	NA	4.94	4.83
Washington	NA	NA	3.65	3.46	3.49	5.37	NA
West Virginia	2.75	3.17	2.76	2.98	3.47	4.09	4.54
Wisconsin	3.18	3.36	3.49	4.23	3.08	4.16	3.68
Wyoming	3.69	NA	3.51	NA	NA	2.77	3.14
Total	3.45	3.42	3.55	3.80	3.47	4.10	3.96

See footnotes at end of table.

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

State	2020						
	July	June	May	April	March	February	January
Alabama	2.67	2.89	2.89	2.74	2.68	2.95	2.93
Alaska	12.30	8.54	8.09	8.19	8.33	8.36	8.31
Arizona	2.58	2.46	2.51	1.80	2.31	2.17	2.33
Arkansas	4.49	3.83	2.65	3.68	4.05	NA	3.56
California	2.69	2.65	2.47	2.36	2.43	2.55	3.32
Colorado	3.14	2.88	2.99	2.25	2.57	2.39	2.67
Connecticut	8.36	8.10	6.08	4.19	4.14	3.96	4.05
Delaware	12.52	11.35	7.11	4.82	5.34	NA	4.14
District of Columbia	--	--	--	--	--	--	--
Florida	6.83	6.90	NA	NA	NA	5.59	NA
Georgia	2.88	2.72	3.06	2.98	3.22	2.96	3.14
Hawaii	12.38	11.73	NA	NA	NA	17.21	16.63
Idaho	2.60	2.34	2.39	2.09	2.27	2.35	2.28
Illinois	4.09	NA	2.13	3.13	2.58	2.57	2.68
Indiana	3.96	3.89	3.00	2.42	2.86	2.75	2.91
Iowa	2.66	3.05	2.90	3.01	3.63	3.19	3.44
Kansas	4.46	4.39	4.04	3.00	3.07	2.65	2.79
Kentucky	2.41	2.70	2.60	2.34	2.95	2.64	2.78
Louisiana	2.43	2.44	NA	2.69	2.96	2.80	2.97
Maine	5.62	6.04	4.13	4.47	5.61	NA	6.65
Maryland	7.95	7.10	5.57	3.49	3.78	3.62	3.55
Massachusetts	NA	9.85	6.21	4.57	4.73	4.14	4.14
Michigan	NA	2.15	2.46	2.40	2.94	2.90	2.89
Minnesota	3.31	NA	NA	2.53	3.43	NA	NA
Mississippi	3.05	3.11	2.90	3.12	3.48	3.10	3.33
Missouri	5.65	6.23	4.97	3.79	3.29	2.72	2.75
Montana	2.83	3.19	2.89	2.76	3.49	2.48	2.81
Nebraska	2.56	2.78	2.80	NA	3.34	3.12	3.26
Nevada	3.13	2.78	2.86	2.66	2.49	NA	3.50
New Hampshire	9.23	NA	NA	NA	3.99	4.78	5.79
New Jersey	NA	NA	NA	4.41	4.73	4.45	4.26
New Mexico	2.53	2.30	2.36	1.54	2.66	NA	2.34
New York	7.29	6.80	4.52	2.92	2.98	3.05	3.18
North Carolina	4.76	4.30	3.84	3.33	2.94	2.79	2.85
North Dakota	3.01	3.12	2.92	2.57	2.94	3.22	3.24
Ohio	NA	2.53	3.11	2.70	NA	2.95	3.07
Oklahoma	3.99	3.97	3.10	3.01	3.27	2.89	3.09
Oregon	4.95	4.31	3.78	3.13	2.95	3.00	3.10
Pennsylvania	3.28	4.22	NA	3.72	3.78	3.74	3.63
Rhode Island	2.07	2.11	2.14	2.56	5.24	2.56	2.30
South Carolina	2.68	2.83	3.14	2.94	3.24	3.22	3.23
South Dakota	3.99	3.78	2.82	2.57	3.23	3.09	3.15
Tennessee	NA	3.32	NA	2.41	2.92	2.65	NA
Texas	2.76	2.75	NA	2.69	2.43	2.31	2.55
Utah	2.19	2.34	4.11	5.19	5.70	5.93	6.14
Vermont	2.76	2.91	3.19	2.98	3.29	3.28	3.37
Virginia	4.51	NA	NA	3.64	3.66	3.33	3.40
Washington	5.50	4.71	4.29	3.30	3.09	3.27	3.60
West Virginia	4.31	4.11	3.37	2.54	3.48	3.07	3.04
Wisconsin	3.37	3.65	3.14	3.11	3.07	3.10	3.29
Wyoming	3.08	2.99	3.33	NA	3.35	3.45	3.35
Total	3.86	3.85	3.37	3.05	3.23	3.10	3.28

See footnotes at end of table.

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

State	2019						
	Total	December	November	October	September	August	July
Alabama	3.56	3.22	3.35	3.58	3.52	3.37	3.45
Alaska	8.27	8.83	8.11	7.62	8.38	8.82	8.76
Arizona	2.62	2.74	2.96	2.35	2.62	2.33	1.36
Arkansas	4.04	3.82	3.17	3.29	3.43	3.57	6.56
California	3.10	3.87	2.94	2.95	2.57	2.53	2.34
Colorado	3.38	2.97	2.91	2.80	4.47	3.87	3.33
Connecticut	5.36	4.26	4.22	5.92	8.05	8.40	8.55
Delaware	5.71	4.13	4.59	8.54	11.94	11.99	11.96
District of Columbia	--	--	--	--	--	--	--
Florida	7.22	6.08	7.97	7.95	7.12	8.25	7.34
Georgia	3.78	3.44	3.52	3.57	3.51	3.42	3.59
Hawaii	17.75	16.43	17.98	18.98	17.52	16.47	16.81
Idaho	2.46	2.24	2.46	2.25	1.71	1.61	1.50
Illinois	3.18	2.84	2.91	2.30	2.83	2.78	2.95
Indiana	3.43	2.97	2.97	2.94	3.71	3.90	3.83
Iowa	3.47	3.27	3.38	3.02	3.30	2.91	3.16
Kansas	3.68	2.98	2.96	3.26	5.98	4.93	4.83
Kentucky	3.37	2.97	3.25	3.20	3.10	3.01	2.96
Louisiana	3.59	3.34	3.33	3.16	2.99	3.01	3.23
Maine	6.51	7.06	5.05	3.62	4.32	4.72	5.03
Maryland	4.82	3.56	3.89	6.93	8.60	8.85	9.06
Massachusetts	5.53	4.55	4.86	6.21	10.35	11.44	12.05
Michigan	3.17	2.99	3.04	2.73	2.38	2.10	2.48
Minnesota	3.82	3.65	3.56	2.65	3.48	3.79	3.88
Mississippi	3.77	3.44	3.44	3.54	3.60	3.50	3.47
Missouri	4.22	3.91	3.59	3.58	6.81	7.62	7.84
Montana	2.66	2.49	2.42	1.86	2.19	2.11	2.60
Nebraska	3.65	3.18	3.28	2.76	3.88	3.66	3.77
Nevada	4.11	3.88	3.66	3.31	3.36	3.32	3.34
New Hampshire	5.74	5.21	4.42	3.89	6.88	4.35	7.48
New Jersey	4.83	4.33	4.27	5.34	5.57	6.01	5.70
New Mexico	2.56	2.54	2.34	2.08	2.80	2.35	1.88
New York	4.25	3.36	3.57	5.09	7.51	7.95	8.29
North Carolina	3.85	3.04	3.33	4.42	5.24	5.60	5.77
North Dakota	3.57	3.41	3.45	2.94	3.32	3.37	3.35
Ohio	3.60	3.14	3.28	3.79	3.78	3.73	3.40
Oklahoma	3.64	3.14	3.18	3.47	3.65	3.34	4.06
Oregon	3.56	3.22	3.38	3.17	3.82	4.51	5.03
Pennsylvania	4.53	3.90	4.17	3.79	5.82	8.06	8.52
Rhode Island	2.49	2.32	2.32	2.32	2.38	2.44	2.49
South Carolina	3.86	3.66	3.81	3.51	3.76	3.39	3.47
South Dakota	3.51	2.98	3.31	2.77	3.96	3.89	3.82
Tennessee	3.54	3.10	3.24	3.23	3.64	3.64	3.63
Texas	3.02	2.70	2.67	2.58	2.60	2.95	2.80
Utah	4.80	5.77	6.28	4.07	2.88	2.67	2.83
Vermont	3.86	3.58	3.47	3.17	3.28	3.23	3.57
Virginia	4.52	3.55	3.91	5.20	5.82	7.25	6.70
Washington	4.25	4.05	3.56	3.00	3.11	3.71	3.89
West Virginia	3.71	3.21	3.26	3.77	4.82	4.75	5.37
Wisconsin	3.84	3.51	3.48	3.03	4.56	4.02	3.66
Wyoming	3.48	3.51	3.37	2.93	2.43	3.20	3.25
Total	3.81	3.50	3.46	3.42	4.07	4.15	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					
	June	May	April	March	February	January
Alabama	3.42	3.74	3.48	3.59	3.65	3.99
Alaska	8.53	8.29	8.40	8.14	8.49	7.76
Arizona	1.92	1.53	1.63	3.03	2.97	3.30
Arkansas	10.32	3.81	4.98	4.09	3.83	4.76
California	2.33	2.12	2.56	3.57	3.71	3.40
Colorado	3.73	3.01	3.35	3.79	3.56	3.80
Connecticut	8.73	6.69	5.58	4.70	4.70	4.98
Delaware	11.41	8.84	7.38	4.97	4.54	4.37
District of Columbia	--	--	--	--	--	--
Florida	6.93	6.20	6.74	7.97	7.95	7.05
Georgia	3.83	3.83	3.92	3.83	4.00	4.36
Hawaii	17.26	21.98	21.85	18.51	15.60	13.97
Idaho	1.72	2.20	2.03	3.15	3.31	2.43
Illinois	2.74	2.80	3.05	3.96	3.24	3.58
Indiana	3.90	3.57	3.37	3.83	3.47	3.69
Iowa	3.39	3.10	3.15	3.95	3.62	4.00
Kansas	5.83	5.19	4.19	3.99	3.28	3.70
Kentucky	3.41	3.31	3.80	3.43	3.64	3.61
Louisiana	3.45	3.42	3.48	4.02	4.16	4.52
Maine	4.57	3.77	5.32	7.41	8.15	8.55
Maryland	7.94	7.12	6.32	4.57	4.63	4.39
Massachusetts	10.55	6.01	4.95	5.05	4.79	4.93
Michigan	2.81	2.81	3.10	3.41	3.37	3.55
Minnesota	3.70	3.30	3.09	4.61	3.86	4.45
Mississippi	3.87	3.90	4.03	3.93	3.96	4.09
Missouri	7.28	6.13	4.69	3.92	3.71	3.92
Montana	2.96	1.94	2.71	3.27	2.89	3.21
Nebraska	3.69	3.34	3.48	4.17	3.70	4.29
Nevada	3.13	2.80	3.32	4.30	6.17	4.25
New Hampshire	6.67	3.99	4.03	5.37	6.36	7.99
New Jersey	5.49	4.77	5.84	4.79	5.02	4.68
New Mexico	1.90	1.57	1.52	2.62	2.83	3.45
New York	7.30	5.15	4.09	3.62	3.58	4.35
North Carolina	5.02	5.86	4.36	3.74	3.55	3.76
North Dakota	3.49	3.08	3.39	3.98	3.53	4.13
Ohio	3.68	3.74	3.54	3.67	3.84	3.99
Oklahoma	4.75	3.77	3.78	3.90	3.65	3.97
Oregon	4.20	3.90	3.03	3.74	3.83	3.27
Pennsylvania	7.37	6.53	4.84	4.71	4.13	4.38
Rhode Island	2.53	2.55	2.59	2.60	2.59	2.58
South Carolina	3.67	3.91	4.14	4.17	4.19	4.45
South Dakota	3.85	2.97	3.31	4.10	3.51	4.12
Tennessee	4.06	3.57	3.78	3.65	3.59	3.87
Texas	2.54	2.44	3.36	3.18	3.38	3.60
Utah	2.86	3.14	4.07	5.34	5.70	5.53
Vermont	3.56	3.69	4.01	4.27	4.18	4.56
Virginia	6.78	6.67	5.46	4.18	4.22	4.23
Washington	3.48	3.70	3.41	7.02	5.39	3.41
West Virginia	4.74	4.49	3.89	3.73	3.57	3.71
Wisconsin	4.38	3.88	3.64	4.16	4.11	4.09
Wyoming	3.10	3.20	3.21	3.80	3.62	4.02
Total	4.17	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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	14.33	15.09	14.51	18.69	16.56	14.25	13.56
Alaska	10.78	10.91	10.52	12.04	11.06	10.58	10.56
Arizona	13.34	11.97	12.40	19.03	15.85	13.52	12.67
Arkansas	NA	10.97	10.37	NA	12.92	9.76	9.73
California	NA	NA	13.17	NA	NA	15.48	15.60
Colorado	7.51	6.28	7.68	10.67	9.21	7.28	6.65
Connecticut	14.33	13.48	13.98	18.18	15.78	14.30	13.59
Delaware	11.70	NA	10.83	15.71	12.73	11.36	11.19
District of Columbia	12.52	11.26	12.19	17.37	14.86	13.04	11.33
Florida	NA	NA	19.78	NA	21.89	21.47	19.02
Georgia	13.25	NA	12.60	21.57	16.27	13.52	11.76
Hawaii	44.25	NA	44.23	49.36	43.37	46.34	42.96
Idaho	6.56	6.50	6.24	7.64	7.02	6.51	6.41
Illinois	8.06	6.88	7.44	13.20	11.41	8.53	6.55
Indiana	7.85	7.46	7.87	11.77	9.62	8.38	6.78
Iowa	8.14	6.71	7.87	13.25	10.87	10.09	7.12
Kansas	8.73	8.06	8.63	16.92	11.49	9.37	7.05
Kentucky	NA	10.08	9.64	NA	11.95	10.62	7.96
Louisiana	NA	NA	10.36	NA	13.37	9.88	9.03
Maine	14.98	13.93	16.06	17.76	15.63	15.15	14.32
Maryland	12.86	12.23	11.87	18.40	13.78	13.45	12.22
Massachusetts	15.41	14.17	14.80	15.40	15.56	15.36	14.86
Michigan	8.24	7.68	7.70	10.81	9.26	8.79	7.54
Minnesota	7.80	NA	7.97	9.71	8.20	7.80	7.60
Mississippi	NA	NA	10.02	NA	13.50	10.22	NA
Missouri	8.79	9.06	9.23	13.36	10.76	8.78	7.64
Montana	7.80	6.63	6.76	9.76	8.76	7.60	7.20
Nebraska	7.51	6.57	7.43	11.27	8.85	7.19	6.76
Nevada	8.31	10.23	8.08	10.52	9.41	8.04	7.80
New Hampshire	14.43	13.47	15.37	16.41	15.79	13.54	13.70
New Jersey	9.45	9.41	9.27	10.81	9.91	9.42	9.29
New Mexico	7.71	NA	5.85	10.78	9.48	7.62	6.90
New York	11.91	11.71	11.85	14.92	13.75	11.54	10.89
North Carolina	12.57	NA	12.18	16.50	14.55	13.42	12.77
North Dakota	6.43	5.86	6.26	9.30	7.46	6.27	5.82
Ohio	8.54	7.86	8.11	14.79	10.93	8.71	7.25
Oklahoma	7.42	7.22	7.79	13.67	10.65	6.39	6.29
Oregon	10.98	10.50	9.53	12.88	12.77	10.77	9.38
Pennsylvania	10.57	10.78	11.09	13.26	11.88	10.84	9.93
Rhode Island	15.12	14.01	14.82	17.06	15.64	14.84	14.71
South Carolina	13.35	12.59	12.21	21.94	15.60	15.10	11.78
South Dakota	7.94	6.48	6.93	11.01	10.85	8.70	6.10
Tennessee	NA	NA	8.84	12.57	10.39	NA	7.44
Texas	NA	9.54	8.91	NA	13.31	9.80	9.04
Utah	8.42	NA	7.63	8.38	8.13	8.52	8.67
Vermont	12.44	11.91	12.21	15.12	13.26	11.99	11.77
Virginia	NA	NA	11.67	NA	14.48	12.59	11.84
Washington	NA	10.54	9.04	NA	11.77	10.75	10.44
West Virginia	9.40	9.47	9.39	11.38	10.16	9.34	9.04
Wisconsin	NA	6.93	7.32	14.40	NA	7.91	7.29
Wyoming	8.40	7.54	7.31	9.75	8.92	8.08	8.02
Total	10.45	9.86	9.83	14.01	12.21	10.54	9.37

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	2021						2020
	January	Total	December	November	October	September	August
Alabama	13.55	16.17	14.23	18.58	21.24	22.93	22.74
Alaska	10.58	11.13	10.59	10.61	11.10	12.27	13.78
Arizona	11.31	13.11	11.16	13.51	17.34	19.95	20.43
Arkansas	10.11	11.98	11.05	12.44	16.74	20.79	21.17
California	15.79	NA	15.32	14.38	14.74	14.75	14.34
Colorado	6.74	7.17	6.94	7.44	8.05	10.31	13.37
Connecticut	13.23	NA	13.44	NA	18.31	23.03	23.68
Delaware	11.14	NA	11.82	14.66	19.98	25.29	26.11
District of Columbia	10.77	12.36	11.17	13.48	16.93	20.78	20.63
Florida	18.23	NA	20.24	23.47	25.26	26.23	NA
Georgia	11.48	NA	11.71	21.71	24.88	28.22	29.48
Hawaii	39.99	NA	38.60	37.96	37.84	37.28	37.36
Idaho	6.26	6.73	6.24	6.42	7.30	8.48	9.71
Illinois	6.63	7.94	6.79	7.99	8.85	16.59	19.53
Indiana	7.06	8.57	6.91	8.90	10.42	18.25	22.18
Iowa	6.09	NA	6.51	8.16	9.72	15.76	18.15
Kansas	8.00	NA	8.24	9.58	10.25	18.40	NA
Kentucky	8.97	11.19	8.79	11.21	13.76	24.27	26.22
Louisiana	9.94	NA	10.45	14.16	15.82	17.64	17.68
Maine	14.27	NA	13.75	14.87	NA	22.85	28.00
Maryland	11.48	13.29	11.89	14.55	17.43	20.87	22.03
Massachusetts	15.97	NA	15.40	NA	NA	15.04	15.71
Michigan	7.61	8.25	7.72	8.31	8.66	11.24	14.31
Minnesota	7.37	NA	7.89	8.37	8.04	10.94	11.36
Mississippi	NA	NA	9.89	12.49	15.43	19.05	18.76
Missouri	8.15	NA	8.98	10.98	15.17	24.04	NA
Montana	7.07	NA	7.16	7.64	NA	10.94	11.43
Nebraska	7.01	7.85	7.91	8.75	12.43	15.38	15.99
Nevada	7.81	10.36	8.18	9.20	11.76	13.44	13.84
New Hampshire	14.57	14.66	15.56	16.09	19.20	22.60	23.22
New Jersey	9.10	9.90	9.39	10.19	11.48	13.14	13.29
New Mexico	6.97	NA	7.21	7.81	11.16	11.93	12.74
New York	11.22	12.82	12.17	13.70	16.13	19.27	19.85
North Carolina	11.09	NA	11.27	15.36	21.55	19.24	20.42
North Dakota	5.67	6.82	5.74	6.43	8.64	15.16	20.62
Ohio	7.24	NA	7.49	9.60	13.20	23.14	28.61
Oklahoma	6.79	9.19	8.02	9.44	18.64	23.14	25.43
Oregon	11.42	NA	10.05	10.38	11.37	14.93	15.58
Pennsylvania	9.87	11.49	10.20	10.98	13.72	18.82	20.65
Rhode Island	14.86	15.06	15.45	16.15	18.98	21.54	21.54
South Carolina	12.33	NA	10.32	15.85	20.83	24.85	26.27
South Dakota	6.64	7.11	6.44	7.12	8.40	12.68	15.32
Tennessee	8.47	NA	7.52	9.49	12.92	17.08	20.02
Texas	NA	NA	10.41	14.12	NA	21.75	21.59
Utah	8.34	NA	8.34	7.41	9.48	9.71	10.08
Vermont	12.01	13.29	12.60	13.87	17.19	21.69	23.80
Virginia	10.91	NA	11.54	14.60	16.55	19.15	20.45
Washington	10.60	10.97	10.57	10.59	10.89	14.40	14.99
West Virginia	9.03	10.07	9.03	9.96	11.67	15.35	20.14
Wisconsin	6.90	7.52	7.12	7.85	6.99	12.16	14.06
Wyoming	8.03	NA	7.98	8.42	12.14	16.45	NA
Total	9.73	10.84	9.81	11.07	12.36	16.99	18.42

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						
	July	June	May	April	March	February	January
Alabama	22.46	20.44	17.93	17.21	14.52	14.33	14.77
Alaska	14.19	13.47	12.34	11.36	10.79	10.76	10.55
Arizona	19.19	17.77	16.74	13.74	11.92	11.17	10.85
Arkansas	19.03	16.31	12.63	11.35	10.69	10.39	11.18
California	14.34	14.58	14.56	NA	13.70	14.57	15.02
Colorado	13.25	11.46	8.78	6.59	6.44	5.80	5.92
Connecticut	21.91	19.67	15.55	14.28	13.40	12.84	12.80
Delaware	24.51	19.40	14.26	NA	NA	NA	11.38
District of Columbia	19.77	16.09	12.64	12.26	10.50	10.63	11.38
Florida	25.14	22.19	NA	19.91	NA	18.61	NA
Georgia	27.70	23.81	NA	15.71	13.48	12.06	NA
Hawaii	38.17	38.30	35.00	NA	NA	43.98	43.17
Idaho	10.12	8.19	7.57	6.90	6.54	6.22	6.26
Illinois	18.97	12.65	9.18	7.50	6.99	6.25	6.36
Indiana	21.00	18.66	10.72	8.01	7.61	6.63	7.06
Iowa	NA	13.70	10.69	7.12	7.00	5.99	6.17
Kansas	21.05	20.74	13.99	9.80	8.34	6.99	7.22
Kentucky	25.01	21.44	15.59	11.07	10.64	8.73	9.59
Louisiana	15.98	15.13	13.74	12.89	11.01	10.33	NA
Maine	25.39	20.02	14.47	13.41	13.24	14.84	13.70
Maryland	19.29	18.61	14.19	11.92	12.51	12.14	11.70
Massachusetts	15.30	13.23	13.57	14.52	14.25	14.14	14.19
Michigan	13.97	12.43	9.27	8.28	7.70	7.25	7.28
Minnesota	12.76	NA	9.29	7.26	7.04	NA	NA
Mississippi	17.38	16.49	14.61	NA	11.21	9.47	9.40
Missouri	23.85	18.86	12.52	10.06	9.04	8.26	8.49
Montana	9.78	8.47	7.19	6.61	6.59	6.54	6.52
Nebraska	14.35	11.61	8.56	6.90	6.46	6.17	6.35
Nevada	13.66	13.21	12.24	10.98	10.23	9.91	9.59
New Hampshire	20.38	15.40	11.95	13.07	13.16	13.94	14.24
New Jersey	12.99	12.43	9.95	9.55	9.09	9.15	9.56
New Mexico	10.54	10.32	7.47	5.70	5.66	NA	6.00
New York	19.36	16.06	11.58	12.10	11.95	11.64	11.39
North Carolina	NA	NA	NA	14.05	14.41	11.62	11.80
North Dakota	20.23	12.54	7.99	6.08	5.67	5.51	5.56
Ohio	27.01	NA	11.12	8.50	7.82	6.99	7.30
Oklahoma	23.22	16.93	11.48	8.41	6.87	6.29	6.70
Oregon	13.67	NA	12.15	10.01	9.84	10.39	10.88
Pennsylvania	19.99	16.44	11.72	11.14	10.90	10.57	10.38
Rhode Island	19.88	17.58	15.09	14.38	13.91	13.79	13.52
South Carolina	26.07	NA	17.16	16.27	14.10	10.84	11.44
South Dakota	14.67	9.91	7.79	6.62	6.83	6.27	6.00
Tennessee	17.40	13.36	NA	9.15	NA	7.61	8.01
Texas	19.91	18.88	15.96	13.23	9.34	8.13	8.32
Utah	9.12	8.89	8.72	NA	8.37	8.20	8.17
Vermont	22.06	17.59	13.18	12.25	11.98	11.29	11.62
Virginia	19.42	16.18	NA	12.42	11.55	10.94	11.90
Washington	14.44	12.99	12.09	11.26	10.28	10.20	10.23
West Virginia	18.59	13.78	11.12	10.04	9.39	9.17	9.10
Wisconsin	13.28	11.56	7.81	6.71	7.03	6.87	6.78
Wyoming	16.08	12.12	9.22	8.01	7.47	7.09	7.04
Total	17.63	15.37	11.85	10.66	9.85	9.12	9.51

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						
	Total	December	November	October	September	August	July
Alabama	15.63	14.74	15.64	22.51	23.31	23.15	22.49
Alaska	11.11	10.78	11.08	11.48	12.62	14.78	15.28
Arizona	13.49	11.45	13.75	17.01	20.61	21.62	20.46
Arkansas	11.05	9.78	8.95	18.22	20.57	20.91	19.68
California	12.95	12.74	11.87	12.99	12.66	12.87	13.45
Colorado	7.77	6.21	6.41	7.45	12.82	14.14	13.49
Connecticut	14.61	12.62	13.03	18.52	22.69	24.91	23.91
Delaware	12.10	11.64	13.19	20.63	23.50	24.38	23.29
District of Columbia	12.81	11.25	12.34	18.92	17.32	20.66	21.00
Florida	21.73	19.65	23.60	25.99	25.65	26.77	27.05
Georgia	14.87	10.93	12.38	24.55	28.93	28.33	27.80
Hawaii	44.14	44.37	44.83	45.19	45.36	42.41	43.34
Idaho	6.50	6.17	6.21	6.47	8.35	9.83	9.59
Illinois	8.04	6.60	6.35	9.36	17.82	18.91	18.49
Indiana	8.68	7.24	7.47	11.17	19.56	23.04	20.58
Iowa	8.19	5.99	6.90	9.73	19.16	17.17	17.38
Kansas	9.24	7.69	7.63	9.56	21.50	21.73	20.64
Kentucky	10.85	9.54	9.00	16.38	26.13	26.32	27.08
Louisiana	11.51	10.20	11.17	17.33	17.29	16.60	16.92
Maine	16.05	13.54	13.03	16.18	23.33	27.02	26.11
Maryland	12.55	11.14	11.48	16.86	21.11	21.39	21.20
Massachusetts	14.72	14.42	13.56	13.89	16.20	16.99	16.39
Michigan	8.08	7.55	7.50	8.46	12.88	14.16	13.21
Minnesota	8.06	7.19	7.22	7.50	11.45	13.09	14.66
Mississippi	10.77	9.39	9.47	16.78	17.41	17.52	17.19
Missouri	10.41	8.84	9.56	17.53	25.23	25.21	24.38
Montana	7.09	6.65	6.84	7.58	10.48	12.73	9.87
Nebraska	7.90	6.43	6.91	10.79	15.26	16.21	14.75
Nevada	9.50	9.59	10.70	12.29	14.66	15.55	14.49
New Hampshire	15.75	13.93	15.11	19.15	23.55	24.10	21.56
New Jersey	9.73	9.56	9.92	11.64	12.73	13.49	12.78
New Mexico	6.40	5.22	6.25	10.00	11.88	9.51	9.79
New York	12.61	10.75	12.45	16.89	19.97	20.14	19.86
North Carolina	12.88	11.42	11.42	21.77	25.24	21.88	24.37
North Dakota	7.00	5.68	6.14	8.52	16.57	21.07	19.82
Ohio	9.58	7.45	8.45	15.44	28.78	29.32	27.29
Oklahoma	9.40	6.81	9.11	22.17	27.57	27.68	25.83
Oregon	9.97	10.19	10.15	9.90	12.98	15.37	13.64
Pennsylvania	11.70	10.18	11.08	15.20	19.98	21.15	20.28
Rhode Island	15.36	13.55	15.62	19.61	21.49	21.92	20.92
South Carolina	13.14	11.15	10.57	26.11	24.81	26.22	24.38
South Dakota	7.29	6.33	6.60	8.33	15.70	15.05	12.41
Tennessee	9.45	8.04	8.38	16.19	18.86	20.21	18.55
Texas	10.61	9.17	9.92	21.00	22.27	22.09	20.05
Utah	7.82	8.19	7.25	7.74	9.79	10.09	9.44
Vermont	13.14	11.73	13.12	16.80	21.50	22.91	21.66
Virginia	12.62	11.86	11.77	18.56	20.73	22.50	21.48
Washington	9.82	10.25	10.15	9.30	12.38	15.18	14.27
West Virginia	9.90	9.00	9.36	11.78	18.83	18.54	17.64
Wisconsin	7.68	6.97	7.08	7.76	13.42	14.36	14.30
Wyoming	8.06	7.24	7.54	9.97	17.01	18.08	15.15
Total	10.51	9.30	9.33	12.50	17.61	18.38	17.74

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					
	June	May	April	March	February	January
Alabama	21.35	18.65	15.55	14.39	13.88	13.81
Alaska	13.82	11.58	11.05	10.39	10.33	10.14
Arizona	18.25	16.18	14.33	12.05	11.69	11.70
Arkansas	18.27	14.59	10.89	9.77	9.68	10.54
California	12.62	12.69	12.95	13.28	13.08	13.50
Colorado	11.32	8.74	8.20	7.66	7.57	7.22
Connecticut	20.41	17.06	15.30	13.73	13.36	13.18
Delaware	19.90	15.77	11.67	10.60	10.06	10.52
District of Columbia	17.79	15.72	12.87	11.42	11.70	12.23
Florida	25.72	22.95	21.14	20.56	18.19	18.21
Georgia	27.11	22.24	14.66	11.71	11.79	11.22
Hawaii	42.98	47.85	48.74	43.69	42.74	38.92
Idaho	8.89	7.60	6.87	6.11	6.00	6.01
Illinois	14.85	10.34	8.46	7.09	7.17	6.84
Indiana	18.97	12.32	9.59	7.50	7.34	7.24
Iowa	14.20	10.97	8.58	7.83	7.35	7.51
Kansas	19.23	14.63	12.53	7.91	7.68	8.08
Kentucky	24.92	19.72	12.03	8.64	9.19	8.81
Louisiana	16.22	14.23	11.17	10.17	8.94	10.42
Maine	20.05	16.05	16.26	15.77	16.42	15.85
Maryland	19.77	15.87	14.36	11.47	11.20	11.18
Massachusetts	14.66	14.70	15.16	14.68	14.58	14.97
Michigan	11.47	9.68	8.44	7.62	7.47	7.27
Minnesota	11.61	8.70	8.07	7.63	7.82	8.12
Mississippi	17.00	13.96	10.58	9.57	9.45	9.76
Missouri	20.20	14.25	10.74	8.64	8.51	8.86
Montana	8.35	7.57	7.04	6.49	6.57	6.73
Nebraska	12.84	9.78	8.02	6.73	6.92	7.90
Nevada	12.61	11.45	9.93	7.87	7.43	7.26
New Hampshire	17.14	15.70	14.81	14.66	15.51	16.16
New Jersey	11.62	10.54	9.16	9.31	9.27	8.98
New Mexico	11.45	6.32	6.21	6.21	5.57	5.61
New York	17.06	13.99	12.09	10.86	11.44	12.28
North Carolina	19.11	23.46	14.93	10.51	12.54	11.43
North Dakota	12.14	8.16	6.62	5.80	5.85	6.32
Ohio	23.29	14.63	9.92	7.46	7.26	7.39
Oklahoma	20.76	15.65	10.64	7.12	7.04	6.36
Oregon	6.72	12.52	11.06	9.15	8.47	9.60
Pennsylvania	18.16	14.79	13.38	10.82	10.40	10.30
Rhode Island	18.12	16.15	15.14	14.57	14.48	14.70
South Carolina	24.06	24.94	14.09	11.71	11.80	10.94
South Dakota	9.70	7.74	7.17	6.62	6.74	7.02
Tennessee	17.55	14.56	9.91	8.16	8.50	8.46
Texas	17.53	15.22	10.46	8.21	8.23	8.15
Utah	7.74	7.58	7.69	7.57	7.72	7.58
Vermont	17.07	13.71	12.65	11.97	11.77	12.01
Virginia	19.89	17.52	13.06	11.40	11.38	10.73
Washington	13.23	11.53	10.11	8.94	8.34	8.75
West Virginia	18.25	13.36	10.34	9.15	9.09	8.99
Wisconsin	11.90	7.82	7.37	7.37	7.18	7.28
Wyoming	9.74	8.72	7.68	6.91	7.15	7.03
Total	15.55	12.76	10.85	9.42	9.40	9.36

^{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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	11.59	11.99	11.59	12.23	11.99	11.58	11.45
Alaska	9.73	9.87	9.48	10.24	9.78	9.65	9.65
Arizona	7.72	6.93	7.43	9.29	8.20	7.80	7.35
Arkansas	NA	7.32	7.65	NA	7.96	6.83	7.03
California	NA	9.96	9.84	NA	NA	12.03	11.79
Colorado	6.84	5.57	7.13	8.99	7.94	6.66	6.31
Connecticut	9.43	8.73	9.64	10.86	10.08	9.60	9.10
Delaware	10.00	NA	9.42	11.70	10.49	9.73	9.83
District of Columbia	11.78	10.57	11.37	14.16	13.91	12.43	10.61
Florida	NA	NA	11.34	NA	11.64	11.77	11.46
Georgia	7.77	7.52	8.42	8.51	8.41	8.31	7.37
Hawaii	32.55	NA	31.03	34.85	32.64	34.29	31.56
Idaho	5.62	5.51	5.39	5.98	5.82	5.63	5.55
Illinois	NA	6.06	6.78	NA	9.76	NA	5.75
Indiana	6.67	6.29	6.73	8.72	7.75	7.26	5.86
Iowa	6.81	5.27	6.33	9.72	8.74	8.36	6.29
Kansas	7.60	6.67	7.63	11.85	9.23	7.78	6.86
Kentucky	NA	8.16	8.12	NA	9.25	8.31	6.83
Louisiana	8.83	8.47	8.60	9.27	9.18	8.50	8.27
Maine	NA	11.34	13.35	12.36	11.92	12.73	12.09
Maryland	10.87	10.09	9.98	13.49	11.04	11.25	10.65
Massachusetts	NA	11.32	11.60	NA	12.04	11.70	11.58
Michigan	7.13	6.50	6.63	8.56	7.83	7.49	6.65
Minnesota	6.54	NA	6.88	7.03	6.45	6.71	6.50
Mississippi	NA	NA	8.74	9.55	NA	9.18	8.29
Missouri	6.72	6.86	7.34	7.88	7.32	6.65	6.40
Montana	7.64	6.49	6.74	9.33	8.47	7.47	7.19
Nebraska	5.74	5.05	6.07	5.95	5.84	5.75	5.61
Nevada	5.71	7.70	5.60	6.16	5.93	5.60	5.59
New Hampshire	11.13	10.34	12.34	13.17	12.36	10.38	10.44
New Jersey	8.77	8.47	9.05	8.79	8.58	9.00	8.80
New Mexico	NA	NA	4.48	7.46	NA	6.11	5.62
New York	7.52	7.21	7.71	7.38	7.84	7.71	7.35
North Carolina	9.05	8.83	8.81	9.54	9.16	9.32	9.37
North Dakota	5.58	5.15	5.70	6.05	5.81	5.65	5.51
Ohio	5.81	5.39	5.88	7.20	6.29	6.09	5.45
Oklahoma	6.00	5.70	6.39	10.07	8.03	5.26	5.27
Oregon	NA	8.10	7.84	8.96	8.96	8.16	7.38
Pennsylvania	8.83	NA	9.35	10.14	9.61	9.20	8.50
Rhode Island	12.18	11.31	12.36	13.48	12.48	12.10	11.88
South Carolina	9.48	8.54	8.78	9.75	9.03	10.11	9.15
South Dakota	NA	5.05	5.49	8.43	NA	7.09	5.08
Tennessee	NA	NA	8.19	8.50	8.21	NA	7.39
Texas	NA	5.68	5.87	8.71	6.65	7.19	6.74
Utah	7.09	NA	6.36	6.49	6.80	7.26	7.34
Vermont	6.18	5.66	6.68	5.87	5.70	6.45	6.48
Virginia	8.42	8.15	8.36	9.64	8.84	8.81	8.10
Washington	NA	8.62	6.88	NA	9.29	9.02	8.61
West Virginia	7.72	7.88	7.81	8.62	8.12	7.70	7.52
Wisconsin	NA	5.60	6.29	10.55	NA	6.34	6.49
Wyoming	7.01	6.25	6.03	7.42	7.22	6.87	6.85
Total	7.81	7.21	7.62	8.97	8.35	8.02	7.38

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	2021						2020
	January	Total	December	November	October	September	August
Alabama	11.34	12.08	11.32	12.17	12.39	12.38	12.91
Alaska	9.64	NA	9.67	9.82	9.81	10.29	10.57
Arizona	6.84	6.91	6.55	6.81	7.10	7.11	7.02
Arkansas	7.27	7.45	7.59	7.65	6.94	7.82	8.14
California	12.37	9.86	10.96	10.18	9.32	9.29	9.17
Colorado	6.16	6.24	6.26	6.59	7.18	7.82	9.24
Connecticut	8.67	NA	8.63	NA	NA	11.44	11.30
Delaware	9.65	NA	9.99	11.49	12.46	15.18	15.05
District of Columbia	10.35	10.97	10.53	11.95	11.56	12.26	11.91
Florida	NA	NA	12.06	11.81	11.74	NA	NA
Georgia	7.34	7.58	6.56	8.16	8.20	8.09	8.13
Hawaii	29.06	NA	26.31	25.38	25.28	24.86	26.28
Idaho	5.48	5.59	5.51	5.65	5.53	5.77	6.15
Illinois	5.95	6.85	6.02	6.96	7.61	13.00	15.13
Indiana	6.27	6.86	6.04	7.34	6.87	8.64	11.35
Iowa	5.10	5.80	5.88	6.71	6.09	7.91	7.74
Kansas	7.03	7.52	7.19	8.00	8.20	12.64	13.46
Kentucky	7.62	8.68	7.58	9.01	9.21	12.42	12.83
Louisiana	9.24	NA	9.11	9.75	8.63	NA	7.10
Maine	NA	NA	11.18	11.42	NA	12.13	13.58
Maryland	10.00	10.81	10.44	12.46	12.74	13.17	14.01
Massachusetts	11.77	11.03	11.90	9.56	7.31	10.11	10.36
Michigan	6.72	6.87	6.75	7.06	7.28	8.56	9.66
Minnesota	6.35	NA	6.67	6.80	5.89	7.42	6.80
Mississippi	NA	NA	8.84	9.76	9.24	9.00	8.43
Missouri	6.47	NA	6.92	7.50	8.71	9.77	NA
Montana	6.94	NA	6.98	7.33	NA	8.77	9.67
Nebraska	5.77	5.33	6.23	5.59	6.00	5.94	5.47
Nevada	5.62	7.25	5.79	6.04	6.74	7.33	7.52
New Hampshire	11.21	11.29	12.04	12.25	14.82	16.72	18.08
New Jersey	8.64	8.80	9.12	9.98	9.53	9.91	9.90
New Mexico	5.83	NA	5.74	5.38	6.17	5.51	6.07
New York	7.37	6.91	7.30	6.64	6.46	6.16	5.69
North Carolina	8.44	NA	8.54	NA	10.39	8.96	8.95
North Dakota	5.28	5.26	5.21	5.44	4.92	5.43	6.49
Ohio	5.34	NA	5.42	5.65	6.21	7.65	7.56
Oklahoma	5.65	6.87	6.54	7.32	11.47	13.33	15.50
Oregon	NA	NA	8.02	8.26	8.42	9.68	9.77
Pennsylvania	8.26	NA	8.47	8.29	9.76	9.85	12.65
Rhode Island	11.95	12.31	12.30	13.23	16.57	18.52	19.35
South Carolina	9.49	8.57	8.61	9.72	8.70	8.55	8.30
South Dakota	5.26	5.28	5.12	5.35	5.66	5.96	7.31
Tennessee	7.76	NA	7.15	8.12	8.44	8.45	9.19
Texas	NA	NA	6.87	7.69	7.16	8.09	7.92
Utah	7.13	NA	7.14	6.58	6.75	6.72	6.86
Vermont	6.12	5.46	6.14	5.79	4.67	5.55	4.32
Virginia	7.90	NA	8.23	NA	8.05	8.92	8.64
Washington	NA	8.80	8.99	8.75	8.59	9.71	9.33
West Virginia	7.52	8.12	7.49	7.79	8.76	9.87	10.81
Wisconsin	5.57	NA	6.00	6.13	NA	5.96	6.28
Wyoming	6.91	NA	6.53	6.42	7.16	7.83	NA
Total	7.43	7.48	7.42	7.66	7.62	8.47	8.51

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						
	July	June	May	April	March	February	January
Alabama	12.89	12.79	12.58	12.45	11.80	11.77	11.99
Alaska	10.86	NA	10.30	9.91	9.80	9.79	9.84
Arizona	6.99	7.11	7.98	7.37	6.81	6.69	6.63
Arkansas	7.95	7.88	7.19	7.10	7.24	7.33	7.53
California	9.13	9.09	9.62	9.58	9.64	10.09	10.47
Colorado	9.78	8.61	6.69	5.72	5.47	5.35	5.51
Connecticut	10.72	12.17	9.35	9.57	8.53	8.56	8.30
Delaware	14.73	13.88	11.97	NA	10.48	NA	9.87
District of Columbia	13.40	12.22	10.99	11.69	9.84	10.24	10.85
Florida	11.32	11.15	NA	10.92	NA	11.13	NA
Georgia	8.48	8.34	8.28	8.26	7.18	7.12	7.53
Hawaii	28.14	26.88	23.80	22.47	NA	31.23	30.57
Idaho	6.37	5.91	5.99	5.78	5.49	5.41	5.41
Illinois	13.96	11.50	8.34	6.71	6.09	5.58	5.61
Indiana	11.67	11.73	8.20	6.40	6.49	5.71	6.30
Iowa	7.64	7.05	6.93	5.24	5.31	4.94	5.23
Kansas	12.89	11.83	11.21	7.78	6.75	5.88	6.34
Kentucky	12.81	12.54	11.25	8.84	8.22	7.36	8.06
Louisiana	NA	6.88	7.55	7.57	8.23	8.66	9.43
Maine	13.24	11.66	10.53	10.72	10.82	12.26	11.50
Maryland	12.28	11.85	11.74	9.74	10.43	9.46	10.06
Massachusetts	10.69	9.71	10.75	11.74	11.36	11.29	11.31
Michigan	9.60	9.20	7.77	7.15	6.46	6.18	6.22
Minnesota	7.94	NA	6.70	5.77	5.86	NA	NA
Mississippi	8.04	8.03	8.17	NA	9.06	8.33	8.30
Missouri	9.91	9.19	7.93	7.07	6.77	6.64	6.76
Montana	8.98	8.15	6.95	6.44	6.48	6.40	6.45
Nebraska	5.27	5.09	4.61	4.73	4.98	5.08	5.37
Nevada	7.75	8.51	8.62	8.04	7.82	7.57	7.34
New Hampshire	16.51	12.65	9.55	10.12	9.88	10.56	10.95
New Jersey	9.96	7.81	8.30	7.98	8.67	8.43	8.62
New Mexico	5.05	4.44	3.76	3.61	3.97	NA	4.71
New York	6.02	6.05	6.13	6.83	7.45	7.45	7.58
North Carolina	10.73	NA	9.65	9.84	9.67	8.27	8.35
North Dakota	6.68	5.73	5.17	4.84	5.08	5.21	5.31
Ohio	7.25	NA	6.33	5.31	5.40	5.20	5.35
Oklahoma	12.15	11.47	8.94	6.86	5.47	5.11	5.28
Oregon	9.18	NA	8.79	7.80	7.80	8.06	8.32
Pennsylvania	12.05	NA	NA	8.64	NA	8.78	8.69
Rhode Island	17.93	14.92	12.41	11.67	11.23	11.18	10.84
South Carolina	7.80	7.83	8.49	9.33	8.71	8.10	8.51
South Dakota	7.31	6.17	5.52	5.01	5.24	4.98	4.89
Tennessee	8.49	7.83	NA	7.46	NA	7.27	7.67
Texas	7.22	NA	7.07	6.02	5.63	5.20	5.55
Utah	6.53	6.59	6.60	NA	7.02	6.92	6.89
Vermont	4.15	4.76	5.73	5.28	5.70	5.77	5.73
Virginia	8.81	9.33	7.88	7.88	8.03	7.81	8.80
Washington	9.90	8.84	9.08	9.25	8.59	8.33	8.45
West Virginia	10.73	9.84	9.00	8.31	7.85	7.68	7.65
Wisconsin	5.91	6.18	4.96	5.06	5.66	5.82	5.74
Wyoming	7.55	7.10	6.70	6.44	6.18	6.08	6.17
Total	8.50	8.19	7.74	7.28	7.32	6.87	7.25

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						
	Total	December	November	October	September	August	July
Alabama	11.87	11.82	11.78	12.66	12.77	12.78	12.69
Alaska	9.89	9.99	10.09	10.32	10.77	11.19	11.14
Arizona	7.29	6.73	6.90	7.18	7.27	7.41	7.35
Arkansas	7.68	6.90	6.75	8.35	8.80	9.34	9.08
California	9.41	10.01	8.79	8.73	8.69	8.89	8.88
Colorado	6.92	5.74	5.87	6.43	8.71	8.90	8.80
Connecticut	9.75	8.11	8.52	10.71	11.35	12.08	12.05
Delaware	10.04	10.05	10.51	12.22	12.69	12.42	12.72
District of Columbia	11.23	9.88	11.19	11.10	10.56	12.22	12.43
Florida	11.46	11.29	11.60	11.47	11.52	11.35	11.84
Georgia	8.21	7.27	7.60	8.53	8.50	8.60	8.82
Hawaii	30.26	28.35	32.09	31.07	30.33	28.26	28.65
Idaho	5.44	5.40	5.40	5.24	5.66	6.00	5.99
Illinois	7.02	5.74	5.64	7.44	12.89	12.77	12.82
Indiana	6.97	6.28	6.19	6.81	9.43	11.44	11.17
Iowa	6.03	4.99	5.34	5.36	7.25	7.50	7.01
Kansas	7.68	6.49	6.28	7.74	11.52	12.60	11.82
Kentucky	8.60	7.94	7.53	10.29	11.80	12.27	13.07
Louisiana	8.41	8.68	8.24	8.35	8.22	7.49	8.03
Maine	12.62	11.14	10.24	10.70	12.20	12.99	13.36
Maryland	10.14	9.60	9.22	10.40	12.43	11.96	11.49
Massachusetts	11.32	11.69	10.36	9.42	10.25	10.43	10.42
Michigan	6.81	6.49	6.49	6.93	9.08	9.57	9.54
Minnesota	6.63	6.24	5.88	5.38	6.87	7.42	7.98
Mississippi	8.48	8.31	8.13	8.76	7.74	7.73	7.85
Missouri	7.67	6.88	7.63	9.28	10.00	10.14	10.31
Montana	6.89	6.53	6.67	7.08	8.89	7.81	8.57
Nebraska	5.83	5.32	4.92	5.27	5.53	5.94	6.08
Nevada	6.49	7.24	7.50	7.72	8.08	8.19	7.66
New Hampshire	12.48	11.02	11.70	13.85	16.76	17.12	16.11
New Jersey	9.05	8.74	9.47	8.92	9.18	9.07	8.85
New Mexico	4.56	4.03	4.68	5.41	5.41	4.37	5.21
New York	7.21	6.98	6.61	6.72	6.02	6.01	6.18
North Carolina	8.76	8.68	7.85	9.08	9.32	8.53	10.11
North Dakota	5.67	5.29	5.26	5.30	6.27	7.02	7.10
Ohio	5.97	5.39	5.45	6.40	7.54	7.36	7.54
Oklahoma	7.28	5.45	7.33	13.77	15.07	16.33	14.74
Oregon	7.88	8.08	7.92	7.95	8.75	9.35	8.61
Pennsylvania	9.49	8.55	8.67	10.88	11.83	12.33	12.45
Rhode Island	12.87	10.79	13.11	17.15	18.39	19.19	18.65
South Carolina	8.58	8.76	7.92	8.73	7.55	8.16	9.09
South Dakota	5.50	5.01	5.14	5.41	7.20	7.18	6.75
Tennessee	8.10	7.55	7.07	8.59	9.11	9.02	8.40
Texas	6.18	5.94	5.84	7.51	7.39	7.23	6.93
Utah	6.35	6.91	6.00	5.91	6.51	6.61	6.28
Vermont	6.01	5.79	5.68	4.69	4.81	4.71	4.72
Virginia	8.53	8.50	7.89	9.12	9.18	9.88	9.05
Washington	7.49	8.36	8.35	7.26	8.25	8.60	8.43
West Virginia	8.02	7.49	7.62	8.76	10.32	10.21	10.17
Wisconsin	6.14	5.96	5.94	5.56	6.29	6.00	6.41
Wyoming	6.30	6.21	6.22	6.89	7.94	7.95	7.51
Total	7.61	7.19	6.98	7.64	8.34	8.42	8.47

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					
	June	May	April	March	February	January
Alabama	12.28	12.08	11.82	11.54	11.47	11.42
Alaska	10.54	9.69	9.56	9.53	9.41	9.39
Arizona	7.53	7.54	7.43	7.35	7.45	7.44
Arkansas	9.04	8.53	7.66	7.47	7.48	7.74
California	8.32	8.42	9.51	10.49	9.89	10.40
Colorado	8.19	7.29	7.24	7.23	7.17	6.88
Connecticut	11.74	10.90	10.47	9.44	9.35	9.10
Delaware	11.32	11.03	9.60	9.53	9.14	9.05
District of Columbia	12.12	11.79	11.83	11.02	11.14	11.52
Florida	12.09	11.65	11.69	11.20	11.27	10.98
Georgia	8.57	8.56	8.12	7.77	7.90	9.29
Hawaii	29.61	33.98	34.52	30.85	29.48	26.56
Idaho	6.10	5.84	5.63	5.30	5.30	5.32
Illinois	11.57	9.24	7.53	6.38	6.63	6.36
Indiana	10.66	8.89	7.83	6.41	6.44	6.48
Iowa	7.14	7.09	6.21	6.38	6.03	6.45
Kansas	10.92	9.92	11.75	6.92	6.86	7.41
Kentucky	12.99	11.50	9.44	7.53	7.86	7.70
Louisiana	8.38	8.67	8.35	8.38	8.16	9.32
Maine	12.20	11.85	13.05	13.21	13.86	13.70
Maryland	12.46	10.87	12.00	9.47	10.47	9.18
Massachusetts	10.53	11.27	11.62	11.65	11.46	11.80
Michigan	8.35	7.55	7.01	6.58	6.51	6.41
Minnesota	7.51	6.66	6.51	6.54	7.11	7.16
Mississippi	8.16	8.71	8.46	8.51	8.72	9.08
Missouri	9.73	8.42	7.51	7.19	7.04	7.42
Montana	7.89	7.92	6.92	6.48	6.51	6.72
Nebraska	5.85	5.50	5.72	5.64	6.10	6.90
Nevada	6.90	6.68	6.19	5.36	5.24	5.38
New Hampshire	13.41	12.51	11.75	11.77	12.56	13.03
New Jersey	9.53	8.41	7.86	8.99	9.13	9.73
New Mexico	5.65	4.35	3.51	4.79	4.59	4.69
New York	6.59	7.12	7.17	7.45	7.88	8.44
North Carolina	9.14	9.48	9.28	7.77	9.46	8.77
North Dakota	6.35	5.55	5.41	5.46	5.70	6.15
Ohio	7.24	6.51	6.12	5.59	5.70	6.00
Oklahoma	13.08	10.99	8.49	6.04	5.92	5.30
Oregon	4.33	8.68	8.24	7.71	7.39	7.94
Pennsylvania	12.25	14.18	9.78	9.16	9.02	8.56
Rhode Island	15.56	13.46	12.44	12.21	12.13	12.30
South Carolina	8.52	8.38	8.64	8.40	9.05	9.10
South Dakota	6.00	5.49	5.27	5.24	5.48	5.86
Tennessee	9.00	9.13	8.09	7.68	8.29	8.26
Texas	6.50	6.38	5.74	5.68	5.87	5.92
Utah	5.72	5.76	6.28	6.42	6.50	6.41
Vermont	5.39	6.24	6.68	6.57	6.65	6.98
Virginia	10.34	8.23	8.95	8.03	8.51	8.29
Washington	8.19	7.58	7.35	6.75	6.62	6.74
West Virginia	10.55	9.68	8.30	7.65	7.67	7.55
Wisconsin	5.81	5.32	5.82	6.36	6.44	6.52
Wyoming	6.64	6.27	6.04	5.85	6.09	6.04
Total	8.23	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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	4.30	3.47	4.26	3.94	3.77	4.11	5.48
Alaska	NA	5.73	5.98	4.00	NA	5.32	5.88
Arizona	NA	3.54	4.56	5.38	5.55	5.85	NA
Arkansas	6.79	5.91	6.31	6.41	6.64	6.66	7.03
California	9.38	7.89	8.31	8.16	8.80	9.87	9.63
Colorado	NA	4.17	5.76	6.27	NA	4.98	4.95
Connecticut	NA	6.04	7.34	5.51	NA	6.95	7.06
Delaware	NA	10.23	9.59	NA	10.27	9.68	10.86
District of Columbia	--	--	--	--	--	--	--
Florida	NA	NA	6.47	NA	5.96	5.78	5.51
Georgia	4.56	NA	4.65	4.60	4.45	4.70	4.73
Hawaii	NA	21.62	21.58	NA	28.76	26.57	23.93
Idaho	3.73	3.64	3.61	3.76	3.74	3.76	3.71
Illinois	NA	4.37	5.42	7.29	NA	NA	4.33
Indiana	NA	5.09	5.84	NA	NA	5.91	6.87
Iowa	6.17	4.08	5.33	6.02	5.93	6.45	7.43
Kansas	NA	NA	5.82	4.49	NA	6.83	NA
Kentucky	NA	3.48	4.49	3.98	NA	4.65	4.38
Louisiana	3.40	2.62	3.98	3.31	3.55	3.76	2.97
Maine	NA	8.42	10.41	NA	8.91	9.06	9.07
Maryland	NA	8.91	10.29	9.63	NA	10.16	7.58
Massachusetts	10.29	10.13	10.78	9.73	10.47	10.28	10.27
Michigan	NA	5.78	5.96	7.06	NA	NA	5.96
Minnesota	4.44	NA	4.86	4.78	3.92	5.35	4.38
Mississippi	4.86	3.94	5.24	4.66	4.60	4.92	5.05
Missouri	5.93	5.98	6.60	5.81	6.00	6.07	5.89
Montana	6.42	5.82	6.01	7.05	6.74	6.48	6.32
Nebraska	4.23	3.81	4.69	3.94	4.40	4.39	4.07
Nevada	4.89	6.67	4.75	5.24	4.91	4.79	4.79
New Hampshire	9.27	8.49	10.04	9.66	9.86	8.72	9.02
New Jersey	7.23	NA	8.11	6.70	7.02	7.84	6.58
New Mexico	5.02	NA	3.33	5.24	5.48	4.64	4.62
New York	7.78	7.85	8.47	7.75	7.61	8.12	7.68
North Carolina	6.00	5.18	6.27	5.57	5.75	6.26	6.19
North Dakota	4.47	NA	3.32	2.64	2.50	2.88	12.56
Ohio	NA	NA	6.11	7.21	NA	6.50	5.94
Oklahoma	NA	1.83	2.90	3.58	3.18	NA	3.42
Oregon	NA	4.94	4.66	4.80	4.75	NA	3.88
Pennsylvania	NA	7.87	9.41	NA	8.04	7.98	8.31
Rhode Island	9.45	8.89	9.79	9.96	9.69	9.34	9.25
South Carolina	4.77	3.82	5.12	4.57	3.99	4.75	5.46
South Dakota	NA	4.05	4.81	6.64	NA	5.01	NA
Tennessee	4.67	NA	5.26	4.67	4.47	4.84	4.76
Texas	4.69	2.04	3.22	3.29	2.84	3.04	15.72
Utah	5.56	NA	5.24	5.24	5.37	5.71	5.64
Vermont	4.35	3.69	4.44	4.81	4.61	4.30	4.23
Virginia	4.27	NA	4.42	4.09	4.30	4.48	4.32
Washington	NA	NA	6.54	NA	8.10	9.18	8.28
West Virginia	3.00	NA	3.47	2.80	2.72	3.27	3.45
Wisconsin	NA	4.54	5.31	9.33	NA	5.45	5.31
Wyoming	NA	NA	3.96	NA	NA	4.82	4.57
Total	5.07	3.30	4.36	4.09	3.97	4.37	9.34

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	2021							2020
	January	Total	December	November	October	September	August	
Alabama	4.23	3.48	4.16	4.04	3.43	3.44	3.23	
Alaska	5.78	NA	6.07	5.96	5.83	3.23	3.50	
Arizona	4.70	3.98	4.56	4.78	4.43	4.53	3.65	
Arkansas	6.99	NA	6.98	6.56	5.71	NA	6.43	
California	10.33	7.64	8.98	7.96	7.19	6.99	6.76	
Colorado	4.70	4.94	5.07	5.12	6.07	5.80	6.40	
Connecticut	6.78	NA	6.61	NA	6.24	6.48	6.03	
Delaware	10.48	NA	NA	10.68	10.95	11.78	10.12	
District of Columbia	--	--	--	--	--	--	--	
Florida	6.02	NA	6.20	5.39	NA	NA	NA	
Georgia	4.35	NA	4.71	4.26	3.87	4.05	NA	
Hawaii	24.51	20.54	20.37	19.44	18.80	20.28	20.67	
Idaho	3.68	3.65	3.70	3.70	3.73	3.58	3.58	
Illinois	4.69	NA	4.73	4.88	5.23	NA	NA	
Indiana	5.37	5.40	5.31	5.90	5.04	5.92	6.37	
Iowa	4.80	4.31	4.96	5.44	4.39	4.72	4.00	
Kansas	5.44	NA	5.63	4.52	3.76	3.40	3.41	
Kentucky	4.20	3.43	4.32	4.03	3.06	3.44	2.89	
Louisiana	3.59	NA	3.86	2.83	NA	NA	NA	
Maine	9.21	7.86	9.93	9.72	6.08	5.95	4.65	
Maryland	6.83	NA	NA	8.64	8.82	10.30	8.98	
Massachusetts	10.47	NA	10.45	NA	6.01	7.15	6.15	
Michigan	6.05	NA	5.93	NA	6.37	5.94	6.88	
Minnesota	4.05	NA	4.48	4.60	3.36	3.69	NA	
Mississippi	5.02	4.00	5.02	4.81	3.94	3.66	3.60	
Missouri	5.86	5.71	5.74	5.64	5.49	5.15	4.90	
Montana	5.82	5.93	6.02	6.18	5.96	5.91	6.43	
Nebraska	4.34	3.70	4.73	3.51	3.67	3.34	3.16	
Nevada	4.81	6.06	4.95	5.04	5.46	5.86	5.86	
New Hampshire	9.61	8.31	9.88	8.84	7.37	7.18	7.00	
New Jersey	7.68	NA	7.74	7.38	NA	NA	6.95	
New Mexico	4.84	NA	4.45	4.03	4.02	2.56	2.88	
New York	7.70	NA	7.99	7.36	NA	NA	6.16	
North Carolina	6.03	5.14	5.60	5.18	4.84	4.88	4.84	
North Dakota	2.57	NA	2.63	2.93	2.10	2.05	1.73	
Ohio	5.98	NA	6.49	NA	6.33	5.79	5.67	
Oklahoma	3.16	NA	3.37	3.45	2.42	2.76	2.18	
Oregon	4.86	NA	4.89	4.73	5.31	5.13	4.84	
Pennsylvania	7.99	7.91	7.84	7.76	8.24	8.60	7.95	
Rhode Island	9.23	NA	8.90	9.29	9.70	10.06	NA	
South Carolina	5.09	3.91	4.76	4.73	3.93	4.14	3.40	
South Dakota	4.27	4.40	4.67	4.99	5.35	5.66	5.51	
Tennessee	4.59	NA	4.54	4.29	3.63	3.64	3.17	
Texas	2.75	2.29	3.00	3.09	2.46	2.61	2.15	
Utah	5.77	NA	5.71	5.32	4.91	4.90	4.76	
Vermont	4.05	3.73	4.11	4.18	3.63	3.94	3.52	
Virginia	4.14	NA	4.43	3.87	3.68	3.91	3.46	
Washington	NA	NA	7.48	7.62	NA	NA	7.60	
West Virginia	2.75	NA	2.65	2.54	2.29	2.16	2.09	
Wisconsin	4.99	4.38	4.90	4.91	3.74	3.78	4.30	
Wyoming	NA	NA	4.23	4.58	4.08	4.31	4.48	
Total	4.04	3.29	4.07	3.93	3.25	3.16	2.92	

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						
	July	June	May	April	March	February	January
Alabama	2.83	2.93	3.07	3.03	3.56	3.73	3.83
Alaska	NA	5.44	4.74	5.54	6.25	6.04	5.72
Arizona	4.09	4.48	3.80	3.77	3.03	3.50	3.53
Arkansas	5.89	5.50	5.12	5.58	6.00	6.13	6.46
California	6.77	6.86	6.69	7.26	7.77	8.35	9.02
Colorado	6.61	7.33	4.45	4.29	4.27	4.08	3.98
Connecticut	5.77	6.24	5.43	6.35	6.14	6.09	6.05
Delaware	11.81	11.51	11.77	10.66	10.45	9.88	9.74
District of Columbia	--	--	--	--	--	--	--
Florida	5.65	5.27	NA	5.46	NA	5.91	NA
Georgia	2.67	3.20	NA	3.25	3.41	3.58	3.85
Hawaii	20.27	18.43	16.78	18.52	21.57	24.91	25.02
Idaho	3.58	3.77	3.65	3.69	3.65	3.52	3.67
Illinois	3.23	NA	4.44	4.82	4.18	4.31	4.36
Indiana	6.72	6.91	5.94	4.80	5.09	5.00	5.05
Iowa	3.49	3.46	3.95	3.76	3.99	3.95	4.59
Kansas	2.89	3.09	3.08	3.73	4.60	4.99	NA
Kentucky	2.64	2.84	3.36	3.25	3.30	3.63	3.74
Louisiana	2.33	2.24	2.18	2.42	2.55	2.82	3.07
Maine	4.59	6.02	5.64	9.45	8.72	8.87	8.79
Maryland	6.74	7.34	7.88	7.73	9.12	8.55	10.11
Massachusetts	7.44	7.30	9.67	10.41	10.10	10.05	10.26
Michigan	6.26	6.79	6.08	6.17	5.74	5.65	5.64
Minnesota	3.50	3.73	3.87	3.54	3.91	NA	NA
Mississippi	3.54	3.45	3.75	3.85	3.98	3.90	4.15
Missouri	4.96	5.14	5.14	5.82	5.96	6.11	6.37
Montana	6.70	5.73	6.06	5.97	5.66	5.93	5.67
Nebraska	3.22	3.20	3.12	3.52	3.71	4.12	4.31
Nevada	6.14	6.38	6.75	6.67	6.84	6.65	6.50
New Hampshire	6.14	5.58	6.35	7.85	8.25	9.26	9.62
New Jersey	NA	6.12	6.36	6.06	6.94	NA	NA
New Mexico	2.55	1.96	NA	2.08	3.22	NA	3.99
New York	6.25	6.09	6.45	7.41	8.22	7.94	8.45
North Carolina	4.94	5.07	4.88	5.08	5.17	5.29	5.30
North Dakota	1.66	1.75	1.93	1.66	1.91	2.19	NA
Ohio	5.11	5.53	5.30	5.00	NA	5.07	5.62
Oklahoma	NA	2.01	1.97	1.43	1.78	1.98	1.98
Oregon	4.59	NA	4.82	4.72	4.94	5.04	5.07
Pennsylvania	8.05	8.16	7.63	7.67	7.86	7.99	7.95
Rhode Island	9.17	9.09	9.50	9.38	9.15	8.88	8.14
South Carolina	3.44	3.23	3.46	3.56	3.75	4.03	4.19
South Dakota	5.34	4.73	4.38	3.88	3.93	3.99	4.17
Tennessee	3.19	3.31	NA	3.77	NA	4.37	4.60
Texas	1.72	1.87	1.97	1.84	2.02	2.08	2.30
Utah	4.92	4.73	4.68	4.91	NA	5.38	5.63
Vermont	3.34	3.47	3.66	3.48	3.73	3.73	3.81
Virginia	3.57	3.72	NA	3.59	3.54	NA	NA
Washington	7.63	7.52	8.06	8.15	NA	NA	8.01
West Virginia	1.73	2.07	2.33	NA	2.52	2.68	NA
Wisconsin	2.73	3.91	3.67	4.27	4.88	4.75	4.59
Wyoming	3.91	3.90	4.36	4.28	NA	4.67	3.99
Total	2.55	2.72	2.86	2.96	3.34	3.54	3.66

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						
	Total	December	November	October	September	August	July
Alabama	3.95	4.07	3.96	3.63	3.63	3.39	3.49
Alaska	5.85	5.73	5.98	6.00	6.05	5.36	5.47
Arizona	4.12	3.64	3.58	3.93	3.73	3.52	5.11
Arkansas	6.25	5.75	5.63	6.83	6.11	6.63	6.68
California	7.69	8.58	7.16	6.97	6.78	6.97	6.96
Colorado	5.36	4.32	4.31	5.20	5.73	5.78	5.81
Connecticut	6.82	6.14	5.88	6.01	6.14	6.67	6.66
Delaware	9.67	9.93	10.60	9.88	9.14	10.30	8.19
District of Columbia	--	--	--	--	--	--	--
Florida	6.16	5.95	5.80	5.65	6.49	5.88	5.89
Georgia	4.23	4.03	4.05	3.91	3.74	3.72	3.86
Hawaii	22.93	23.54	36.52	23.56	21.06	20.85	16.86
Idaho	3.60	3.61	3.48	3.55	3.59	3.69	3.63
Illinois	5.25	4.13	4.08	4.98	5.72	5.88	12.44
Indiana	5.76	5.35	5.12	4.78	6.10	6.77	7.11
Iowa	4.93	4.84	4.73	4.69	4.61	4.11	4.35
Kansas	3.97	4.95	4.43	4.17	3.55	3.49	3.44
Kentucky	4.06	3.89	4.00	3.57	3.27	3.46	3.63
Louisiana	3.36	3.19	3.06	2.86	2.65	2.79	3.11
Maine	8.67	8.81	8.51	5.70	5.68	5.75	5.74
Maryland	10.07	10.42	8.87	10.08	10.84	10.27	7.14
Massachusetts	9.92	10.04	8.95	7.58	7.67	8.76	8.39
Michigan	6.01	5.91	5.81	6.02	6.79	6.96	6.89
Minnesota	4.44	4.61	4.79	3.32	3.69	3.79	3.63
Mississippi	4.70	4.77	4.47	4.20	3.96	4.03	4.10
Missouri	6.20	5.94	5.83	5.58	5.35	5.55	5.57
Montana	5.85	5.84	5.82	5.58	5.54	5.04	5.64
Nebraska	4.27	4.33	3.82	3.70	3.69	3.79	4.03
Nevada	5.81	6.23	7.90	7.34	6.72	6.84	6.40
New Hampshire	9.45	13.88	8.36	6.57	6.47	6.73	6.47
New Jersey	7.63	6.99	7.88	6.67	6.06	5.90	7.09
New Mexico	3.48	3.64	3.96	3.69	3.62	3.45	3.20
New York	7.70	7.46	7.06	6.04	6.14	5.92	6.69
North Carolina	5.78	5.36	5.16	5.13	5.19	5.32	5.48
North Dakota	2.82	3.04	2.96	2.82	2.07	2.11	2.19
Ohio	6.21	5.85	6.15	9.49	5.19	4.83	5.73
Oklahoma	2.50	2.32	2.52	2.08	1.99	1.90	2.27
Oregon	4.62	4.88	4.86	4.49	4.48	4.43	4.19
Pennsylvania	8.52	8.55	6.00	6.34	10.28	11.66	9.28
Rhode Island	9.70	8.17	9.34	9.73	9.70	10.28	10.44
South Carolina	4.67	4.42	5.22	3.04	5.19	3.85	4.14
South Dakota	4.78	4.18	4.07	9.65	6.21	5.39	4.82
Tennessee	4.68	4.89	4.59	3.93	3.74	3.66	3.97
Texas	2.88	2.54	2.78	2.56	2.55	2.40	2.61
Utah	5.00	5.68	4.92	4.55	4.48	4.51	4.55
Vermont	4.13	4.03	3.99	3.60	3.82	3.72	3.83
Virginia	4.66	8.79	3.80	3.60	3.91	8.09	4.07
Washington	6.86	8.44	7.98	4.17	7.19	7.32	7.49
West Virginia	3.04	2.99	3.09	2.47	2.49	2.46	2.61
Wisconsin	5.06	5.06	5.20	4.66	4.61	4.46	3.94
Wyoming	3.91	3.78	3.87	4.21	4.13	3.97	3.36
Total	3.90	3.88	3.86	3.42	3.34	3.20	3.34

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					
	June	May	April	March	February	January
Alabama	3.66	3.71	3.99	4.25	4.45	4.79
Alaska	5.42	5.66	5.68	6.11	6.19	6.10
Arizona	3.30	3.32	4.61	4.82	5.02	4.97
Arkansas	6.36	5.98	6.04	6.34	6.39	6.57
California	6.60	6.81	7.86	9.01	8.61	9.12
Colorado	5.86	5.69	5.43	5.73	6.04	5.75
Connecticut	7.34	7.34	7.42	7.54	7.24	7.22
Delaware	10.69	12.50	10.22	9.10	9.21	9.46
District of Columbia	--	--	--	--	--	--
Florida	5.71	5.64	5.92	6.49	6.61	7.62
Georgia	4.02	4.06	4.43	4.51	4.81	5.36
Hawaii	23.52	23.62	22.48	21.11	20.77	19.84
Idaho	3.64	3.62	3.61	3.64	3.62	3.58
Illinois	7.03	4.37	6.09	6.00	5.29	5.35
Indiana	6.82	6.21	5.90	5.73	5.71	5.92
Iowa	4.75	4.74	4.94	5.57	5.36	5.66
Kansas	4.10	4.67	5.38	6.30	7.00	7.56
Kentucky	3.93	3.95	4.11	3.89	5.37	5.26
Louisiana	3.14	3.22	3.45	3.63	4.33	5.12
Maine	6.71	6.95	10.69	10.89	11.02	11.00
Maryland	11.12	9.82	11.75	9.88	11.34	9.72
Massachusetts	8.82	9.79	11.05	10.67	10.90	11.10
Michigan	6.39	6.41	6.13	5.82	5.99	5.88
Minnesota	4.14	4.21	4.18	4.59	5.19	5.51
Mississippi	4.32	3.85	5.31	4.95	5.65	6.22
Missouri	5.78	5.83	6.36	6.61	6.62	7.05
Montana	5.74	5.68	6.08	5.91	6.12	6.14
Nebraska	3.81	3.95	4.49	4.21	4.89	5.75
Nevada	5.98	5.58	5.17	4.65	4.32	4.37
New Hampshire	6.52	8.03	9.25	9.34	11.19	11.49
New Jersey	6.62	6.49	6.88	7.85	8.34	9.33
New Mexico	2.61	2.13	2.93	4.08	4.66	4.76
New York	6.54	7.34	7.85	8.28	8.95	9.15
North Carolina	5.58	5.56	5.65	5.79	6.86	6.99
North Dakota	2.30	2.36	2.72	3.38	3.78	4.47
Ohio	5.85	6.13	5.95	6.07	6.32	6.02
Oklahoma	2.12	2.19	2.24	2.87	3.26	3.80
Oregon	4.62	4.94	4.30	4.62	4.77	4.67
Pennsylvania	9.31	9.51	9.62	9.31	9.18	9.59
Rhode Island	10.13	10.17	10.02	9.62	9.59	9.70
South Carolina	4.35	4.26	4.93	5.04	5.21	6.02
South Dakota	4.55	4.52	4.20	5.14	4.66	5.13
Tennessee	4.20	4.37	4.80	5.26	5.55	5.92
Texas	2.84	2.85	2.95	3.05	3.27	3.92
Utah	4.45	4.43	5.08	5.54	5.42	5.57
Vermont	4.02	4.03	4.32	4.43	4.48	4.80
Virginia	4.47	3.93	4.22	4.33	4.27	5.12
Washington	7.76	7.02	6.91	6.84	6.70	5.46
West Virginia	2.96	2.91	3.20	3.53	3.53	4.07
Wisconsin	4.27	4.36	4.73	5.58	5.37	5.74
Wyoming	3.75	3.85	3.63	3.83	4.22	4.14
Total	3.54	3.64	3.99	4.31	4.62	5.02

-- 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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	W	W	W	W	W	W	W
Alaska	6.88	7.87	7.77	6.44	6.40	6.00	7.54
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	3.20	W	W	W
California	W	W	W	W	3.78	3.94	5.75
Colorado	W	W	W	W	W	W	W
Connecticut	4.17	2.63	4.40	2.73	2.93	3.84	6.38
Delaware	--	W	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	3.34	2.58	14.43	3.24	3.21	2.81	4.62
Illinois	W	W	W	W	W	W	W
Indiana	W	W	W	3.09	2.91	W	8.16
Iowa	4.34	2.05	3.68	3.27	2.56	2.60	11.31
Kansas	18.88	2.49	3.39	4.09	3.31	10.69	64.02
Kentucky	W	W	W	W	W	3.28	W
Louisiana	W	W	W	W	W	W	W
Maine	W	W	W	W	--	--	--
Maryland	3.66	W	3.72	3.34	2.97	3.10	5.99
Massachusetts	W	W	W	W	2.81	W	7.63
Michigan	W	2.07	3.11	3.39	2.90	3.10	W
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	8.56	1.56	2.18	W	2.75	2.56	4.06
Nebraska	20.03	4.57	3.64	4.40	4.12	5.26	55.68
Nevada	3.74	2.68	3.97	3.58	3.32	3.62	4.51
New Hampshire	W	W	W	W	3.15	W	W
New Jersey	3.13	2.12	3.50	2.45	2.28	2.48	5.29
New Mexico	7.31	1.18	1.49	3.34	3.52	3.38	24.82
New York	3.54	2.36	4.00	2.71	2.60	3.14	5.46
North Carolina	W	W	W	W	W	W	W
North Dakota	4.16	2.72	4.38	3.04	3.43	2.97	8.40
Ohio	3.00	1.87	2.94	2.84	2.64	2.66	4.17
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.72	1.78	2.93	2.36	2.22	2.44	3.89
Rhode Island	W	W	W	W	W	W	W
South Carolina	3.71	2.75	3.56	3.37	3.30	4.15	4.48
South Dakota	2.81	--	--	3.11	2.59	--	--
Tennessee	3.14	2.43	3.14	2.97	3.17	3.05	3.79
Texas	14.49	1.87	2.75	3.23	3.00	2.92	56.54
Utah	3.67	2.58	4.02	3.29	3.01	3.51	4.91
Vermont	--	--	--	--	--	--	--
Virginia	3.50	2.81	W	3.19	2.92	3.30	4.54
Washington	W	W	W	4.02	W	W	W
West Virginia	W	W	W	W	W	W	W
Wisconsin	W	W	3.27	W	W	W	W
Wyoming	W	W	W	W	W	W	52.15
Total	5.89	2.39	3.48	3.35	3.14	3.41	16.29

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	2021						2020
	January	Total	December	November	October	September	August
Alabama	W	W	W	W	W	W	W
Alaska	7.82	7.85	7.82	7.82	7.82	7.82	7.82
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	3.99	3.38	4.14	4.14	3.73	3.92	W
Colorado	W	W	W	W	W	W	W
Connecticut	4.73	2.42	4.31	2.76	2.09	1.76	1.88
Delaware	--	W	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W
Georgia	W	2.40	W	W	W	2.44	W
Hawaii	--	--	--	--	--	--	--
Idaho	2.77	2.75	3.43	3.58	3.87	2.70	2.37
Illinois	W	1.97	W	W	W	W	W
Indiana	W	2.16	2.73	2.53	2.25	2.12	2.36
Iowa	2.40	2.10	2.55	2.61	2.37	2.15	2.15
Kansas	3.69	2.64	3.45	3.34	2.50	2.71	2.74
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	--	W	--	--	W	W	W
Maryland	3.50	2.42	3.75	W	2.13	W	2.49
Massachusetts	6.67	3.41	W	W	2.29	1.84	2.15
Michigan	2.90	2.16	2.76	2.66	2.16	2.10	2.37
Minnesota	3.86	2.84	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	2.42	1.80	2.27	2.34	1.82	1.92	2.08
Nebraska	4.76	3.40	5.45	5.11	3.29	2.97	2.86
Nevada	3.74	2.76	3.66	3.78	2.74	3.11	2.56
New Hampshire	W	W	W	W	W	W	W
New Jersey	3.08	1.83	2.84	1.51	1.39	1.42	1.54
New Mexico	3.25	1.65	3.13	2.50	1.65	1.76	1.64
New York	3.59	2.17	3.65	2.52	1.81	1.76	1.85
North Carolina	W	W	W	W	W	W	W
North Dakota	3.05	2.70	3.49	2.77	2.41	2.75	2.99
Ohio	2.70	1.96	2.63	2.25	1.95	1.93	1.97
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.60	1.68	2.34	1.63	1.35	1.34	1.53
Rhode Island	W	W	W	W	W	W	W
South Carolina	3.56	2.78	3.43	3.17	2.97	2.71	2.83
South Dakota	--	--	--	--	--	--	--
Tennessee	2.78	2.37	2.27	2.80	2.55	2.48	2.36
Texas	2.79	2.11	2.82	2.76	2.36	2.19	2.31
Utah	3.74	2.63	3.55	3.70	2.77	2.88	2.22
Vermont	--	--	--	--	--	--	--
Virginia	3.64	2.49	3.34	2.63	1.97	1.96	2.12
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	W	2.33	W	W	W	W	W
Total	3.33	2.48	3.30	3.08	2.57	2.49	2.47

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						
	July	June	May	April	March	February	January
Alabama	W	W	W	W	W	W	W
Alaska	7.86	7.86	7.86	7.86	7.87	7.87	7.87
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	2.50	W	W	2.40	2.58	2.92	3.56
Colorado	W	W	W	W	W	W	W
Connecticut	1.81	1.71	1.78	1.81	2.40	2.89	3.97
Delaware	--	--	--	--	--	W	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	1.91	2.93	5.03	--	2.40	1.93	2.44
Illinois	1.89	W	W	W	W	W	W
Indiana	W	1.84	1.93	1.92	1.93	W	2.32
Iowa	1.87	1.86	1.87	1.86	1.81	2.11	2.37
Kansas	2.52	2.42	3.00	2.33	2.06	2.85	2.71
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	W	W	W	--	--	--	W
Maryland	2.17	2.04	2.25	W	2.41	2.52	2.96
Massachusetts	2.88	W	W	W	W	W	6.00
Michigan	1.99	1.86	2.06	1.96	1.93	2.10	2.25
Minnesota	W	W	W	W	W	W	2.59
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	1.64	1.56	1.65	1.65	1.01	1.54	1.99
Nebraska	2.44	2.32	3.66	3.23	3.80	5.53	5.78
Nevada	2.16	2.20	2.33	2.18	2.35	2.68	3.76
New Hampshire	W	W	W	W	--	W	W
New Jersey	1.72	1.62	1.57	1.69	2.19	2.34	2.58
New Mexico	1.65	1.78	1.81	0.78	0.90	1.04	1.36
New York	1.82	1.70	1.72	1.71	2.19	2.70	3.09
North Carolina	W	W	W	W	W	W	W
North Dakota	2.57	1.85	2.79	2.06	2.73	2.37	3.54
Ohio	1.75	1.67	1.79	1.78	1.79	1.89	2.07
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	1.65	1.53	1.53	1.60	1.64	1.92	2.09
Rhode Island	W	W	W	W	W	W	W
South Carolina	2.45	2.39	2.62	2.70	2.72	2.75	2.95
South Dakota	--	--	--	--	--	--	--
Tennessee	2.05	2.10	2.41	2.31	2.58	2.31	2.50
Texas	1.91	1.77	1.95	1.81	1.76	1.87	1.96
Utah	1.93	2.01	2.12	1.96	2.09	2.48	3.61
Vermont	--	--	--	--	--	--	--
Virginia	2.02	2.09	2.08	2.13	2.30	3.92	3.53
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	W	1.77	W	W	W	W	W
Total	2.10	2.08	2.25	2.20	2.23	2.50	2.74

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						
	Total	December	November	October	September	August	July
Alabama	W	W	W	W	W	W	W
Alaska	7.84	7.87	7.87	7.87	7.87	7.87	7.87
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	2.74	W	W	W	W
California	3.87	4.00	3.55	3.24	3.49	3.24	3.38
Colorado	W	W	W	W	W	W	W
Connecticut	3.48	4.93	3.63	2.13	2.28	2.30	2.47
Delaware	W	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	4.22	3.65	3.20	3.70	2.53	2.09	2.22
Illinois	W	W	W	W	W	W	W
Indiana	2.72	2.40	2.75	2.19	2.56	2.49	2.49
Iowa	2.71	2.50	2.72	2.20	2.21	2.15	2.26
Kansas	2.86	4.60	3.14	2.05	2.50	2.29	2.48
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	W	--	--	W	W	W	W
Maryland	3.21	3.45	3.42	2.41	2.90	2.60	2.72
Massachusetts	4.73	6.07	W	2.41	2.94	2.93	3.30
Michigan	2.74	2.49	2.87	2.23	2.63	2.38	2.55
Minnesota	W	2.98	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	2.63	W	W	W	W
Montana	1.65	2.28	2.12	1.95	0.67	0.84	1.17
Nebraska	3.12	4.33	3.88	3.21	2.83	2.60	2.81
Nevada	3.20	4.17	3.14	2.61	2.40	2.60	2.54
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.91	2.66	2.75	2.41	2.46	2.50	2.58
New Mexico	1.30	1.83	1.78	1.60	1.91	1.16	0.85
New York	3.03	3.28	3.09	2.03	2.19	2.21	2.39
North Carolina	W	W	W	W	W	W	W
North Dakota	3.50	2.76	3.13	3.28	3.45	2.24	3.39
Ohio	2.56	2.34	2.59	1.97	2.27	2.19	2.33
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.42	2.36	2.46	1.68	1.87	2.00	2.26
Rhode Island	W	W	W	W	W	W	W
South Carolina	3.25	3.25	3.27	2.97	3.17	2.93	2.95
South Dakota	W	--	--	--	--	--	--
Tennessee	2.86	2.76	2.77	2.78	2.66	2.53	2.63
Texas	2.44	2.17	2.53	2.34	2.40	2.11	2.21
Utah	3.20	3.94	2.94	2.55	2.32	2.41	2.33
Vermont	W	--	--	--	--	--	--
Virginia	3.33	3.70	3.27	2.39	2.64	2.50	2.73
Washington	W	W	W	W	W	W	W
West Virginia	W	2.44	2.55	W	W	W	W
Wisconsin	W	W	W	W	W	W	W
Wyoming	W	W	W	W	W	W	2.15
Total	2.99	3.05	3.08	2.58	2.68	2.50	2.62

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					
	June	May	April	March	February	January
Alabama	W	W	W	W	W	W
Alaska	7.87	7.87	7.87	7.72	7.72	7.72
Arizona	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W
California	3.04	2.88	3.28	4.53	W	W
Colorado	W	W	W	W	W	W
Connecticut	2.37	2.53	2.78	4.10	5.34	7.12
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	W	W	W	W	W	W
Georgia	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--
Idaho	2.37	24.46	--	40.19	8.54	3.48
Illinois	2.47	2.54	2.65	W	W	3.92
Indiana	2.62	2.80	2.79	W	W	3.44
Iowa	2.23	2.47	2.55	2.75	7.22	3.12
Kansas	2.23	2.46	2.68	5.76	3.93	4.00
Kentucky	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W
Maine	W	--	W	W	W	--
Maryland	2.79	3.02	3.12	3.50	3.71	5.34
Massachusetts	3.11	W	4.71	5.22	W	W
Michigan	2.56	2.75	2.83	3.33	3.08	3.53
Minnesota	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Montana	0.77	1.60	0.87	2.98	2.77	1.79
Nebraska	2.70	2.86	3.64	4.02	3.83	4.01
Nevada	2.47	2.67	3.02	4.36	5.13	4.53
New Hampshire	W	W	W	W	W	W
New Jersey	2.48	2.61	2.60	3.71	3.99	4.58
New Mexico	0.47	0.49	0.51	1.47	2.28	2.72
New York	2.53	2.58	2.76	3.90	4.45	5.75
North Carolina	W	W	W	W	W	W
North Dakota	3.28	3.70	2.68	4.39	4.77	6.16
Ohio	2.37	2.55	2.68	3.09	2.92	3.40
Oklahoma	W	W	W	W	W	W
Oregon	W	W	W	W	W	W
Pennsylvania	2.27	2.41	2.50	2.88	3.01	3.66
Rhode Island	W	W	W	W	W	W
South Carolina	3.08	3.25	3.45	3.55	3.45	4.20
South Dakota	--	--	--	--	--	--
Tennessee	2.79	2.82	3.31	3.11	3.09	3.50
Texas	2.22	2.43	2.48	2.83	2.82	3.21
Utah	2.34	2.34	3.12	4.22	5.49	4.49
Vermont	--	--	--	--	--	--
Virginia	2.83	3.27	3.49	3.87	W	W
Washington	W	W	W	W	W	W
West Virginia	W	W	W	3.58	3.30	3.66
Wisconsin	2.45	2.63	2.82	3.45	3.64	3.72
Wyoming	2.17	W	W	W	3.10	W
Total	2.67	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 5-Month YTD			2020 5-Month YTD			2019 5-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	82.4	25.7	100.0	80.7	24.1	100.0	80.6	23.7
Alaska	100.0	99.7	NA	100.0	NA	40.6	100.0	99.0	37.2
Arizona	100.0	77.5	NA	100.0	74.6	23.0	100.0	83.1	16.5
Arkansas	NA	NA	1.6	100.0	43.9	1.7	100.0	46.5	1.8
California	NA	NA	5.1	NA	52.0	4.6	94.9	54.8	4.7
Colorado	100.0	94.4	NA	100.0	94.4	9.2	100.0	94.4	8.5
Connecticut	96.5	78.2	NA	96.5	78.4	50.0	96.4	78.9	52.5
Delaware	100.0	39.9	NA	NA	NA	NA	100.0	42.0	0.3
District of Columbia	75.2	NA	0.0	74.6	20.1	0.0	76.2	22.0	--
Florida	NA	NA	NA	NA	NA	NA	91.1	30.3	3.6
Georgia	100.0	100.0	20.8	NA	100.0	NA	100.0	100.0	25.5
Hawaii	100.0	100.0	NA	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	79.6	3.5	100.0	79.6	3.2	100.0	79.9	2.9
Illinois	88.5	NA	NA	87.3	36.7	8.0	86.8	37.6	8.3
Indiana	96.2	67.9	NA	96.4	66.7	1.9	96.2	67.7	1.9
Iowa	100.0	67.3	3.1	100.0	66.7	2.8	100.0	69.0	2.9
Kansas	100.0	55.7	NA	100.0	54.6	NA	100.0	60.1	2.0
Kentucky	NA	NA	NA	97.2	80.1	16.9	97.2	80.9	16.5
Louisiana	NA	76.9	2.5	NA	74.9	3.1	100.0	78.2	3.0
Maine	100.0	NA	NA	100.0	65.2	7.9	100.0	66.7	8.6
Maryland	78.4	29.3	NA	77.4	28.0	6.5	76.0	27.7	5.1
Massachusetts	98.3	NA	26.7	97.9	39.5	25.7	97.6	41.1	27.9
Michigan	94.9	61.2	NA	94.2	60.9	8.8	94.0	61.5	9.4
Minnesota	100.0	89.5	17.8	NA	NA	NA	100.0	90.2	19.2
Mississippi	NA	NA	8.2	NA	NA	9.5	100.0	82.9	8.9
Missouri	100.0	76.8	14.0	100.0	76.1	14.5	100.0	77.1	15.0
Montana	99.7	52.9	1.9	99.7	51.5	1.7	99.6	52.6	2.2
Nebraska	87.9	59.2	NA	87.9	58.5	NA	87.9	59.3	6.3
Nevada	100.0	68.2	20.2	100.0	65.7	NA	100.0	64.3	16.7
New Hampshire	100.0	60.9	9.6	100.0	61.6	8.5	100.0	58.9	10.0
New Jersey	97.1	48.2	NA	96.7	45.6	NA	96.4	49.1	9.5
New Mexico	100.0	NA	12.1	NA	NA	NA	100.0	63.4	4.9
New York	100.0	100.0	6.8	100.0	100.0	6.2	100.0	100.0	6.9
North Carolina	100.0	87.6	14.0	100.0	86.5	13.2	100.0	87.6	13.4
North Dakota	100.0	94.2	35.1	100.0	94.3	NA	100.0	93.8	37.6
Ohio	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	1.0
Oklahoma	100.0	52.6	NA	100.0	50.7	7.5	100.0	51.2	8.0
Oregon	100.0	NA	NA	100.0	95.1	16.2	100.0	95.1	16.0
Pennsylvania	86.8	37.5	NA	85.6	NA	1.5	86.2	38.6	1.2
Rhode Island	100.0	52.1	4.1	100.0	51.7	3.9	100.0	53.2	4.9
South Carolina	100.0	90.3	36.2	100.0	91.4	36.4	100.0	91.6	38.5
South Dakota	100.0	NA	NA	100.0	81.2	6.4	100.0	81.7	6.2
Tennessee	NA	NA	24.7	NA	NA	NA	100.0	90.6	23.3
Texas	NA	NA	NA	99.9	72.3	29.0	99.9	74.5	32.2
Utah	100.0	68.3	2.9	NA	NA	NA	100.0	69.3	2.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	56.2	NA	NA	51.2	NA	89.7	53.1	11.1
Washington	NA	NA	NA	100.0	86.0	NA	100.0	86.9	7.1
West Virginia	100.0	60.7	2.7	100.0	59.2	NA	100.0	59.1	3.4
Wisconsin	100.0	NA	NA	100.0	75.3	17.5	100.0	76.6	18.4
Wyoming	68.8	58.2	NA	69.4	57.7	NA	70.2	58.6	1.2
Total	96.5	67.8	13.2	96.2	66.7	13.0	96.1	67.8	13.4

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								
	May			April			March		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	75.1	25.5	100.0	77.5	25.7	100.0	83.6	26.1
Alaska	100.0	99.6	41.1	100.0	99.7	NA	100.0	99.7	39.2
Arizona	100.0	78.0	20.6	100.0	82.5	24.7	100.0	84.5	25.2
Arkansas	NA	NA	1.1	100.0	35.8	1.3	100.0	53.2	1.8
California	NA	NA	4.7	NA	NA	4.8	95.7	57.1	5.2
Colorado	100.0	91.8	9.3	100.0	93.2	NA	100.0	95.0	13.1
Connecticut	95.6	72.9	45.9	95.8	76.2	NA	96.7	78.6	55.2
Delaware	100.0	29.1	NA	100.0	34.6	0.3	100.0	45.0	0.4
District of Columbia	71.4	18.9	0.0	73.5	NA	0.0	75.3	21.3	0.0
Florida	NA	NA	NA	91.7	31.2	3.4	92.1	31.3	3.4
Georgia	100.0	100.0	20.8	100.0	100.0	20.5	100.0	100.0	20.2
Hawaii	100.0	100.0	NA	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	66.8	3.7	100.0	73.4	3.5	100.0	80.4	3.5
Illinois	87.0	NA	4.5	87.3	33.4	NA	85.7	NA	NA
Indiana	96.5	58.8	NA	95.9	62.7	NA	96.3	66.5	2.1
Iowa	100.0	51.8	2.5	100.0	60.9	2.3	100.0	65.1	3.2
Kansas	100.0	28.4	6.3	100.0	43.9	NA	100.0	54.8	1.9
Kentucky	NA	NA	16.9	97.3	74.6	NA	96.5	78.9	16.6
Louisiana	NA	69.8	2.1	100.0	74.8	2.2	100.0	80.1	1.8
Maine	100.0	58.9	NA	100.0	63.6	11.4	100.0	68.9	12.2
Maryland	75.9	18.4	2.5	77.4	25.5	NA	77.9	28.6	4.1
Massachusetts	98.2	NA	23.4	98.2	39.7	25.4	98.3	45.4	29.6
Michigan	94.5	52.3	4.5	94.9	55.0	NA	94.2	60.2	NA
Minnesota	100.0	82.2	14.9	100.0	87.2	14.5	100.0	89.6	15.5
Mississippi	NA	71.2	6.6	100.0	NA	8.2	100.0	83.6	9.5
Missouri	100.0	68.0	10.0	100.0	71.4	11.4	100.0	81.4	15.8
Montana	99.7	44.8	1.2	99.7	50.3	1.8	99.7	60.5	2.3
Nebraska	85.8	52.7	NA	86.6	55.8	5.2	88.6	60.1	NA
Nevada	100.0	55.0	17.3	100.0	62.4	16.5	100.0	77.4	20.2
New Hampshire	100.0	56.5	6.0	100.0	58.9	7.4	100.0	62.0	10.9
New Jersey	97.2	35.0	NA	97.2	46.0	NA	97.1	49.1	NA
New Mexico	100.0	61.0	15.0	100.0	NA	14.4	100.0	63.4	10.1
New York	100.0	100.0	4.3	100.0	100.0	6.2	100.0	100.0	7.4
North Carolina	100.0	81.2	11.2	100.0	83.6	12.8	100.0	86.1	13.7
North Dakota	100.0	91.8	37.7	100.0	93.0	35.3	100.0	93.7	34.7
Ohio	100.0	100.0	0.6	100.0	100.0	NA	100.0	100.0	1.0
Oklahoma	100.0	42.3	5.6	100.0	45.2	6.4	100.0	62.9	NA
Oregon	100.0	94.6	16.5	100.0	94.4	16.7	100.0	95.8	NA
Pennsylvania	86.7	30.4	NA	86.7	33.3	1.2	86.6	38.4	1.9
Rhode Island	100.0	47.4	3.6	100.0	49.2	3.5	100.0	52.4	4.4
South Carolina	100.0	86.3	37.0	100.0	88.4	35.7	100.0	88.5	38.9
South Dakota	100.0	77.9	2.6	100.0	NA	NA	100.0	83.0	5.5
Tennessee	100.0	85.3	23.6	100.0	88.2	22.7	NA	NA	26.3
Texas	NA	61.5	30.6	99.7	68.7	NA	99.9	75.9	31.5
Utah	100.0	65.2	2.6	100.0	68.6	3.0	100.0	69.4	3.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	43.5	NA	87.5	50.2	17.0	90.6	56.6	NA
Washington	NA	NA	NA	100.0	84.2	6.0	100.0	87.7	8.4
West Virginia	100.0	42.3	2.8	100.0	51.5	2.9	100.0	61.7	2.7
Wisconsin	100.0	50.2	9.6	100.0	NA	NA	100.0	66.5	17.7
Wyoming	69.3	56.1	NA	70.0	58.9	NA	68.7	59.6	NA
Total	96.2	59.9	13.1	96.3	64.8	13.4	96.4	67.9	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						2020		
	February			January			Total		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	85.2	26.1	100.0	84.0	25.2	100.0	77.4	23.4
Alaska	100.0	99.7	34.4	100.0	99.6	36.1	100.0	NA	NA
Arizona	100.0	70.7	NA	100.0	75.2	21.8	100.0	72.1	21.0
Arkansas	100.0	54.0	2.2	100.0	50.2	1.9	100.0	36.5	NA
California	95.5	57.5	6.1	95.8	55.6	4.7	NA	50.7	4.4
Colorado	100.0	94.9	9.5	100.0	95.1	11.2	100.0	94.2	8.5
Connecticut	96.8	79.2	51.4	96.8	80.3	50.2	NA	NA	NA
Delaware	100.0	42.3	0.3	100.0	40.7	0.3	NA	NA	NA
District of Columbia	76.1	23.9	0.0	76.0	22.9	0.0	73.9	NA	0.0
Florida	92.8	31.9	4.0	93.0	NA	3.9	NA	NA	NA
Georgia	100.0	100.0	22.6	100.0	100.0	20.2	NA	100.0	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	83.8	3.6	100.0	82.9	3.4	100.0	76.7	3.3
Illinois	89.9	42.6	13.0	89.8	40.5	8.8	88.2	34.4	NA
Indiana	96.5	71.2	2.8	95.8	70.2	2.2	96.4	64.9	1.5
Iowa	100.0	72.1	4.1	100.0	70.9	3.4	NA	63.9	NA
Kansas	100.0	65.0	NA	100.0	62.4	1.5	NA	47.8	NA
Kentucky	97.6	83.2	16.8	97.7	83.0	16.0	97.7	78.3	16.3
Louisiana	100.0	79.3	3.4	100.0	77.0	2.8	NA	NA	NA
Maine	100.0	70.7	11.9	100.0	NA	9.3	NA	NA	NA
Maryland	78.9	32.7	3.6	79.3	34.6	4.4	77.6	26.3	NA
Massachusetts	98.4	38.3	25.8	98.3	44.3	28.1	NA	NA	NA
Michigan	95.1	65.0	9.3	95.1	63.9	9.5	94.6	58.1	NA
Minnesota	100.0	90.7	23.5	100.0	91.6	20.4	NA	NA	NA
Mississippi	NA	82.9	8.1	NA	NA	8.6	NA	NA	9.0
Missouri	100.0	77.1	15.6	100.0	78.5	15.8	100.0	NA	11.9
Montana	99.7	52.4	2.4	99.7	52.9	1.7	NA	NA	1.3
Nebraska	87.9	60.7	6.5	88.5	61.0	5.5	87.8	55.4	NA
Nevada	100.0	69.6	22.9	100.0	70.3	23.7	100.0	62.2	NA
New Hampshire	100.0	62.0	12.0	100.0	61.6	10.3	100.0	59.7	6.6
New Jersey	97.1	51.1	12.8	97.0	50.1	11.0	96.8	42.9	NA
New Mexico	100.0	65.3	10.9	100.0	61.9	9.9	NA	NA	NA
New York	100.0	100.0	8.0	100.0	100.0	7.7	100.0	100.0	NA
North Carolina	100.0	89.9	16.7	100.0	90.2	15.2	NA	NA	12.0
North Dakota	100.0	95.3	32.5	100.0	95.0	35.4	100.0	93.9	NA
Ohio	100.0	100.0	1.3	100.0	100.0	1.1	NA	NA	NA
Oklahoma	100.0	51.4	8.0	100.0	52.1	7.1	100.0	43.9	NA
Oregon	100.0	96.1	17.8	100.0	NA	17.6	NA	NA	NA
Pennsylvania	86.8	39.3	1.8	86.8	39.4	1.7	86.1	NA	1.1
Rhode Island	100.0	54.0	4.2	100.0	53.6	4.4	100.0	51.6	NA
South Carolina	100.0	92.7	34.3	100.0	92.5	35.0	NA	90.5	36.1
South Dakota	100.0	80.6	NA	100.0	80.1	4.0	100.0	78.2	4.2
Tennessee	100.0	93.0	26.7	100.0	92.6	24.1	NA	NA	NA
Texas	99.9	78.0	26.5	NA	NA	29.1	NA	NA	30.1
Utah	100.0	63.1	2.7	100.0	72.8	2.9	NA	NA	NA
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.9	60.8	13.6	90.5	59.8	14.6	NA	NA	NA
Washington	100.0	90.1	7.9	100.0	NA	NA	100.0	85.5	NA
West Virginia	100.0	67.6	2.8	100.0	65.2	2.4	100.0	52.9	NA
Wisconsin	100.0	77.6	21.3	100.0	76.4	20.7	100.0	NA	16.2
Wyoming	68.3	58.1	1.5	68.5	57.6	NA	NA	NA	NA
Total	96.7	70.0	12.6	96.7	70.4	13.4	96.3	64.6	13.0

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								
	December			November			October		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	78.7	24.7	100.0	72.8	22.5	100.0	68.7	22.0
Alaska	100.0	99.8	37.2	100.0	99.8	37.4	100.0	99.8	41.1
Arizona	100.0	73.6	20.0	100.0	70.5	20.5	100.0	67.8	19.2
Arkansas	100.0	41.8	1.5	100.0	33.3	1.7	100.0	25.1	1.5
California	95.7	56.8	5.2	96.3	53.8	4.9	95.6	47.4	4.4
Colorado	100.0	95.8	11.2	100.0	95.1	9.7	100.0	94.2	7.5
Connecticut	96.2	78.6	48.5	NA	NA	NA	95.0	NA	NA
Delaware	100.0	33.8	NA	100.0	26.7	0.3	100.0	21.9	0.4
District of Columbia	73.7	21.5	0.0	73.8	17.9	0.0	72.6	16.7	0.0
Florida	91.4	30.1	3.1	91.2	29.3	3.5	92.3	28.6	NA
Georgia	100.0	100.0	20.2	100.0	100.0	23.6	100.0	100.0	20.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	84.3	3.5	100.0	79.9	3.7	100.0	74.3	2.9
Illinois	90.7	41.2	7.9	90.7	33.2	5.3	91.1	32.4	5.0
Indiana	96.9	69.1	2.1	96.7	67.5	1.5	95.1	61.6	1.3
Iowa	100.0	69.8	3.6	100.0	64.0	NA	100.0	66.0	3.0
Kansas	100.0	59.6	1.7	100.0	47.6	3.0	100.0	42.1	4.3
Kentucky	98.3	83.6	16.5	98.5	77.5	16.9	98.8	73.7	16.0
Louisiana	100.0	74.4	2.4	100.0	67.9	2.5	100.0	69.9	NA
Maine	100.0	65.5	9.0	100.0	62.8	8.0	NA	NA	6.3
Maryland	78.5	35.0	NA	79.0	26.2	3.6	78.2	22.8	2.6
Massachusetts	98.4	43.2	27.3	NA	37.4	NA	NA	28.9	NA
Michigan	95.4	64.5	9.2	94.8	59.2	NA	94.9	53.0	3.8
Minnesota	100.0	91.3	18.9	100.0	88.5	21.9	100.0	89.1	22.4
Mississippi	100.0	85.9	8.8	100.0	78.6	7.8	100.0	77.2	10.0
Missouri	100.0	74.4	13.3	100.0	69.5	11.3	100.0	62.3	9.0
Montana	99.7	51.4	1.7	99.7	50.4	1.7	NA	NA	0.5
Nebraska	87.4	58.5	5.2	86.0	53.8	4.9	88.9	49.4	4.4
Nevada	100.0	68.8	22.9	100.0	62.1	NA	100.0	54.7	12.3
New Hampshire	100.0	59.9	9.5	100.0	56.3	5.9	100.0	52.0	3.7
New Jersey	97.0	45.6	8.3	97.0	40.6	4.5	97.0	33.6	NA
New Mexico	100.0	56.9	12.6	100.0	53.6	16.1	99.9	47.5	16.0
New York	100.0	100.0	5.6	100.0	100.0	3.5	100.0	100.0	NA
North Carolina	100.0	90.0	13.7	100.0	NA	12.8	100.0	79.7	10.6
North Dakota	100.0	95.2	35.5	100.0	94.2	NA	100.0	94.6	34.7
Ohio	100.0	100.0	1.1	100.0	100.0	NA	100.0	100.0	0.9
Oklahoma	100.0	41.8	7.1	100.0	39.1	6.9	100.0	23.5	6.4
Oregon	100.0	96.5	17.4	100.0	96.0	18.1	100.0	95.0	16.1
Pennsylvania	87.2	38.2	1.5	87.1	34.6	0.8	86.5	29.2	0.5
Rhode Island	100.0	53.0	4.7	100.0	49.6	3.8	100.0	50.2	3.3
South Carolina	100.0	92.5	36.0	100.0	90.8	36.3	100.0	88.5	36.6
South Dakota	100.0	79.4	4.1	100.0	77.2	3.8	100.0	69.8	2.5
Tennessee	100.0	91.6	24.1	100.0	84.9	23.2	100.0	80.8	21.5
Texas	99.9	77.5	31.6	99.9	67.3	30.8	NA	68.1	30.9
Utah	100.0	71.9	2.9	100.0	64.4	2.6	100.0	52.8	2.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	91.8	60.8	14.0	90.1	NA	13.1	89.7	46.8	13.1
Washington	100.0	89.0	7.6	100.0	88.6	7.1	100.0	86.1	NA
West Virginia	100.0	62.5	2.2	100.0	50.3	2.9	100.0	41.3	3.0
Wisconsin	100.0	76.3	17.8	100.0	72.7	19.1	100.0	NA	18.0
Wyoming	68.5	58.6	1.5	68.0	56.4	0.5	71.0	57.8	0.8
Total	96.8	69.6	13.7	96.8	65.4	13.2	96.6	60.6	13.0

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								
	September			August			July		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	69.6	21.3	100.0	72.1	21.5	100.0	74.0	23.5
Alaska	100.0	99.7	43.6	100.0	99.7	43.1	100.0	99.6	NA
Arizona	100.0	68.6	19.5	100.0	66.1	18.9	100.0	67.8	17.9
Arkansas	100.0	22.7	NA	100.0	21.3	1.4	100.0	22.1	1.2
California	95.1	42.5	4.2	95.3	45.2	3.6	95.4	48.1	3.8
Colorado	100.0	91.8	6.8	100.0	90.4	6.3	100.0	90.2	5.7
Connecticut	95.6	70.7	43.4	96.2	68.6	45.2	94.3	71.8	44.3
Delaware	100.0	17.1	0.3	100.0	18.7	0.2	100.0	19.8	0.1
District of Columbia	69.4	NA	0.0	65.5	17.2	0.0	70.5	11.7	0.0
Florida	92.9	NA	NA	NA	NA	NA	93.1	27.6	3.9
Georgia	100.0	100.0	20.6	100.0	100.0	NA	100.0	100.0	24.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	62.5	3.0	100.0	57.2	3.2	100.0	54.7	3.3
Illinois	90.5	21.1	NA	81.7	20.1	NA	86.7	21.2	6.8
Indiana	96.3	58.5	0.9	95.9	50.1	0.7	96.0	50.1	0.7
Iowa	100.0	52.5	2.4	100.0	46.3	1.9	NA	40.7	2.1
Kansas	100.0	24.2	10.3	NA	20.8	16.3	100.0	21.1	16.4
Kentucky	98.3	66.9	13.6	98.2	65.1	17.0	98.2	67.5	16.0
Louisiana	100.0	NA	NA	100.0	76.4	NA	100.0	NA	2.5
Maine	100.0	48.6	NA	100.0	46.5	5.7	100.0	47.8	5.8
Maryland	76.7	14.0	1.4	76.4	15.2	NA	76.3	23.1	2.4
Massachusetts	98.3	23.9	19.3	98.1	NA	18.1	98.0	21.7	19.8
Michigan	94.7	42.3	4.0	94.8	34.5	2.4	96.2	40.5	3.4
Minnesota	100.0	73.0	NA	100.0	76.6	NA	100.0	72.6	14.9
Mississippi	100.0	72.7	9.5	100.0	73.9	8.8	100.0	73.5	7.8
Missouri	100.0	58.1	8.3	100.0	NA	7.6	100.0	59.0	8.3
Montana	99.6	27.9	0.6	99.6	28.3	0.4	99.6	34.1	0.4
Nebraska	88.8	44.6	3.8	89.5	42.1	3.9	89.8	43.0	3.8
Nevada	100.0	52.5	9.3	100.0	50.2	8.5	100.0	48.6	8.6
New Hampshire	100.0	50.9	3.3	100.0	53.0	2.8	100.0	50.2	3.6
New Jersey	96.8	29.3	NA	96.9	29.5	2.2	96.9	29.9	NA
New Mexico	100.0	52.0	16.6	100.0	52.4	17.7	100.0	55.2	16.7
New York	100.0	100.0	NA	100.0	100.0	2.8	100.0	100.0	3.4
North Carolina	100.0	79.9	10.1	100.0	79.4	10.0	NA	76.4	9.5
North Dakota	100.0	92.2	36.5	100.0	89.8	40.3	100.0	88.9	38.6
Ohio	100.0	100.0	0.6	100.0	100.0	0.5	100.0	100.0	0.4
Oklahoma	100.0	28.0	7.4	100.0	26.5	7.4	100.0	32.6	NA
Oregon	100.0	92.7	15.5	100.0	93.7	14.8	100.0	91.9	14.5
Pennsylvania	85.6	31.7	0.4	86.7	23.6	0.5	85.8	23.8	0.4
Rhode Island	100.0	51.6	2.6	100.0	53.8	NA	100.0	53.2	3.5
South Carolina	100.0	88.2	35.3	100.0	88.5	36.9	100.0	87.8	35.8
South Dakota	100.0	65.2	1.3	100.0	63.6	1.3	100.0	64.8	1.5
Tennessee	100.0	79.4	20.6	100.0	77.8	21.1	100.0	80.0	18.7
Texas	99.3	58.1	31.5	98.3	58.9	29.5	98.5	63.2	30.4
Utah	100.0	51.5	2.2	100.0	47.1	NA	100.0	51.0	2.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.4	39.2	NA	87.2	40.8	NA	87.7	40.2	12.5
Washington	100.0	79.2	NA	100.0	78.7	3.7	100.0	76.7	4.6
West Virginia	100.0	34.3	3.5	100.0	28.2	3.3	100.0	30.7	3.0
Wisconsin	100.0	59.2	11.6	100.0	50.6	10.5	100.0	47.2	13.9
Wyoming	70.5	55.7	NA	NA	NA	0.5	73.3	53.9	0.7
Total	96.6	54.8	13.2	95.9	54.3	12.4	96.3	55.7	12.8

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								
	June			May			April		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	73.0	24.3	100.0	71.5	23.9	100.0	74.3	23.7
Alaska	100.0	NA	42.6	100.0	NA	37.8	100.0	NA	32.4
Arizona	100.0	69.1	19.6	100.0	70.8	29.4	100.0	72.7	24.5
Arkansas	100.0	22.8	1.3	100.0	27.2	1.6	100.0	35.9	1.6
California	95.3	47.8	3.8	95.4	44.0	4.2	NA	47.9	4.3
Colorado	100.0	90.4	5.0	100.0	91.5	7.8	100.0	93.1	7.8
Connecticut	95.9	71.1	43.9	96.4	76.1	46.6	95.8	76.5	49.7
Delaware	100.0	23.8	0.2	100.0	30.7	0.2	NA	NA	NA
District of Columbia	74.2	13.4	0.0	72.3	16.4	0.0	72.9	16.8	0.0
Florida	NA	27.8	4.3	NA	NA	NA	93.7	29.1	3.2
Georgia	100.0	100.0	21.0	NA	100.0	NA	100.0	100.0	20.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	63.2	3.4	100.0	65.4	3.7	100.0	74.0	3.2
Illinois	83.8	20.6	NA	84.8	28.5	5.7	86.4	32.8	6.0
Indiana	95.9	50.0	0.8	96.4	56.9	1.0	95.4	63.2	1.6
Iowa	100.0	46.5	2.6	100.0	53.6	1.9	100.0	61.2	2.4
Kansas	100.0	26.8	14.3	100.0	26.6	10.9	100.0	45.0	5.9
Kentucky	97.0	65.8	14.3	95.7	68.6	17.3	97.4	74.7	15.9
Louisiana	100.0	75.8	3.0	100.0	68.8	3.1	100.0	73.5	3.1
Maine	100.0	59.5	4.5	100.0	60.7	6.1	100.0	63.0	6.1
Maryland	74.7	18.6	1.5	76.4	19.8	4.3	76.3	24.0	4.2
Massachusetts	97.7	26.2	23.3	97.8	32.6	21.2	97.9	39.3	26.0
Michigan	96.1	42.1	3.2	93.9	49.7	7.0	94.7	57.1	7.0
Minnesota	NA	NA	18.3	100.0	83.6	15.7	100.0	88.6	NA
Mississippi	100.0	71.2	8.2	100.0	73.4	8.2	NA	NA	8.0
Missouri	100.0	53.4	9.6	100.0	65.5	11.0	100.0	72.8	12.9
Montana	99.6	30.2	0.7	99.7	39.7	0.9	99.7	53.7	1.6
Nebraska	89.6	45.3	5.1	86.9	49.6	5.4	87.0	55.4	NA
Nevada	100.0	57.1	11.9	100.0	64.2	10.6	100.0	68.2	12.9
New Hampshire	100.0	55.1	5.0	100.0	58.5	6.4	100.0	59.9	8.3
New Jersey	96.1	47.4	3.1	97.0	35.9	6.0	96.9	40.8	7.9
New Mexico	100.0	57.3	12.3	100.0	61.5	NA	100.0	59.1	12.0
New York	100.0	100.0	4.0	100.0	100.0	5.0	100.0	100.0	5.6
North Carolina	NA	NA	9.6	100.0	78.4	11.1	100.0	80.9	10.5
North Dakota	100.0	88.9	44.9	100.0	91.4	40.5	100.0	93.8	37.3
Ohio	NA	NA	0.5	100.0	100.0	0.8	100.0	100.0	0.8
Oklahoma	100.0	33.7	7.3	100.0	40.2	7.3	100.0	45.7	7.1
Oregon	NA	NA	NA	100.0	92.6	14.5	100.0	93.7	15.0
Pennsylvania	85.3	NA	0.5	86.0	NA	0.8	85.6	31.5	1.1
Rhode Island	100.0	48.0	3.7	100.0	48.3	3.5	100.0	49.7	3.3
South Carolina	NA	88.3	34.4	100.0	87.7	35.1	100.0	89.5	35.8
South Dakota	100.0	70.4	2.6	100.0	75.5	4.3	100.0	81.8	5.4
Tennessee	100.0	81.4	20.9	NA	NA	NA	100.0	86.4	19.5
Texas	98.9	NA	31.5	99.4	60.3	30.7	99.7	66.2	30.0
Utah	100.0	52.6	2.2	100.0	52.6	2.1	NA	NA	2.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.8	35.0	12.8	NA	42.9	NA	88.0	44.4	14.3
Washington	100.0	81.2	5.3	100.0	81.5	4.5	100.0	82.7	6.5
West Virginia	100.0	36.3	3.5	100.0	42.4	3.6	100.0	54.0	NA
Wisconsin	100.0	53.7	9.2	100.0	63.9	14.3	100.0	71.3	14.4
Wyoming	71.5	53.5	0.6	70.1	53.3	0.9	69.9	57.1	1.5
Total	95.9	56.6	12.9	95.7	59.0	13.2	95.9	63.7	12.8

– Not applicable.

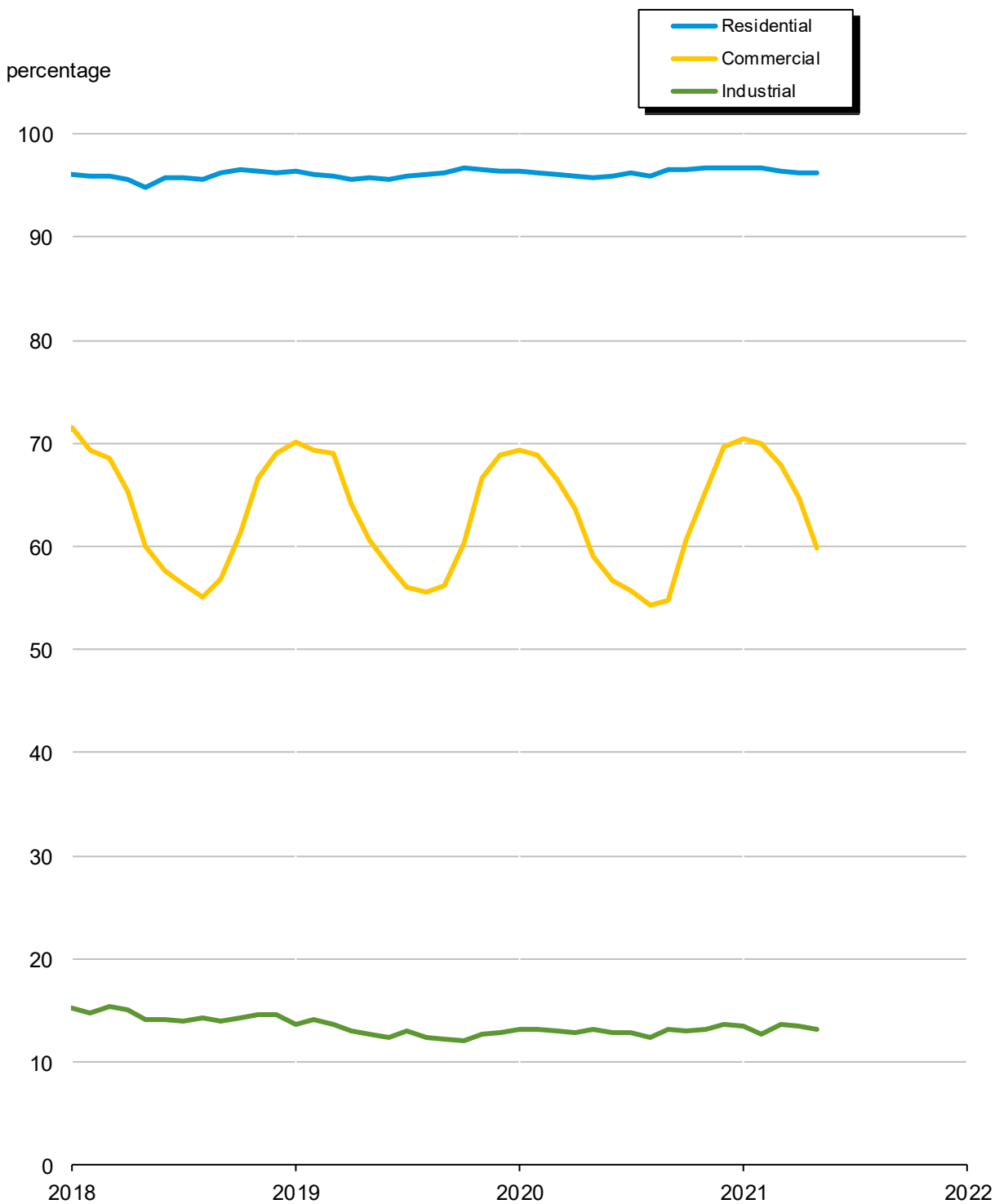
NA Not available.

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

Figure 6



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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	1,028	1,028	1,023	1,030	1,029	1,027	1,027
Alaska	995	987	982	1,017	1,005	998	985
Arizona	1,034	1,033	1,035	1,030	1,029	1,039	1,037
Arkansas	1,018	1,020	1,017	1,016	1,018	1,018	1,018
California	1,035	1,038	1,032	1,030	1,033	1,035	1,038
Colorado	1,060	1,077	1,082	1,074	1,059	1,055	1,058
Connecticut	1,030	1,031	1,029	1,027	1,028	1,030	1,032
Delaware	1,035	1,036	1,039	1,035	1,034	1,035	1,035
District of Columbia	1,037	1,038	1,043	1,027	1,030	1,034	1,043
Florida	1,026	1,026	1,021	1,026	1,024	1,026	1,027
Georgia	1,029	1,028	1,023	1,027	1,026	1,027	1,031
Hawaii	917	961	953	918	918	918	916
Idaho	1,021	1,029	1,031	1,015	1,027	1,020	1,023
Illinois	1,043	1,041	1,033	1,042	1,043	1,043	1,044
Indiana	1,056	1,050	1,047	1,057	1,057	1,056	1,055
Iowa	1,068	1,066	1,057	1,073	1,071	1,064	1,063
Kansas	1,038	1,041	1,039	1,043	1,037	1,036	1,040
Kentucky	1,051	1,052	1,049	1,046	1,057	1,050	1,051
Louisiana	1,021	1,021	1,022	1,020	1,019	1,019	1,025
Maine	1,040	1,043	1,042	1,036	1,037	1,041	1,042
Maryland	1,041	1,042	1,048	1,035	1,036	1,038	1,045
Massachusetts	1,031	1,033	1,032	1,028	1,028	1,029	1,032
Michigan	1,056	1,061	1,053	1,058	1,055	1,056	1,056
Minnesota	1,054	1,040	1,045	1,059	1,057	1,055	1,054
Mississippi	1,029	1,030	1,028	1,036	1,028	1,027	1,029
Missouri	1,021	1,024	1,022	1,022	1,021	1,021	1,021
Montana	1,043	1,047	1,048	1,044	1,043	1,042	1,041
Nebraska	1,051	1,063	1,061	1,059	1,054	1,045	1,050
Nevada	1,040	1,044	1,037	1,038	1,038	1,040	1,043
New Hampshire	1,035	1,035	1,034	1,028	1,030	1,033	1,039
New Jersey	1,040	1,037	1,041	1,036	1,038	1,040	1,042
New Mexico	1,033	1,034	1,026	1,029	1,029	1,038	1,035
New York	1,033	1,033	1,033	1,030	1,032	1,033	1,034
North Carolina	1,034	1,032	1,028	1,035	1,033	1,032	1,033
North Dakota	1,070	1,073	1,086	1,068	1,068	1,074	1,069
Ohio	1,069	1,066	1,065	1,069	1,068	1,068	1,069
Oklahoma	1,030	1,034	1,026	1,026	1,026	1,030	1,039
Oregon	1,052	1,051	1,053	1,055	1,049	1,051	1,053
Pennsylvania	1,036	1,038	1,038	1,036	1,035	1,036	1,037
Rhode Island	1,029	1,031	1,028	1,029	1,030	1,029	1,029
South Carolina	1,032	1,030	1,024	1,032	1,030	1,032	1,034
South Dakota	1,081	1,079	1,065	1,079	1,082	1,077	1,080
Tennessee	1,031	1,029	1,028	1,027	1,033	1,032	1,031
Texas	1,021	1,023	1,023	1,019	1,018	1,022	1,025
Utah	1,047	1,050	1,043	1,048	1,048	1,046	1,045
Vermont	1,044	1,044	1,038	1,037	1,038	1,044	1,049
Virginia	1,052	1,050	1,055	1,050	1,050	1,046	1,057
Washington	1,082	1,085	1,085	1,076	1,086	1,085	1,082
West Virginia	1,089	1,088	1,090	1,073	1,093	1,092	1,092
Wisconsin	1,046	1,045	1,044	1,047	1,047	1,046	1,050
Wyoming	1,060	1,076	1,072	1,062	1,060	1,059	1,056
Total	1,038	1,039	1,037	1,035	1,036	1,038	1,041

See footnotes at end of table.

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

State	2021						2020
	January	Total	December	November	October	September	August
Alabama	1,029	1,030	1,032	1,031	1,031	1,032	1,031
Alaska	983	991	982	985	997	1,009	994
Arizona	1,034	1,029	1,034	1,023	1,022	1,029	1,026
Arkansas	1,019	1,019	1,019	1,019	1,020	1,019	1,017
California	1,037	1,033	1,035	1,035	1,030	1,029	1,026
Colorado	1,058	1,077	1,066	1,070	1,075	1,082	1,090
Connecticut	1,032	1,030	1,032	1,031	1,029	1,029	1,029
Delaware	1,036	1,035	1,037	1,036	1,034	1,037	1,032
District of Columbia	1,043	1,036	1,039	1,033	1,029	1,028	1,030
Florida	1,026	1,026	1,028	1,027	1,027	1,028	1,025
Georgia	1,030	1,030	1,035	1,030	1,030	1,032	1,030
Hawaii	916	937	919	916	918	914	912
Idaho	1,019	1,025	1,022	1,022	1,033	1,018	1,017
Illinois	1,043	1,040	1,042	1,041	1,039	1,034	1,038
Indiana	1,055	1,053	1,056	1,056	1,059	1,058	1,057
Iowa	1,071	1,070	1,072	1,079	1,076	1,080	1,071
Kansas	1,034	1,037	1,035	1,034	1,031	1,036	1,034
Kentucky	1,052	1,050	1,053	1,049	1,048	1,053	1,043
Louisiana	1,020	1,022	1,019	1,020	1,024	1,021	1,025
Maine	1,044	1,039	1,042	1,037	1,033	1,038	1,034
Maryland	1,047	1,040	1,045	1,035	1,034	1,036	1,038
Massachusetts	1,032	1,031	1,031	1,029	1,029	1,029	1,029
Michigan	1,057	1,059	1,058	1,057	1,060	1,059	1,056
Minnesota	1,050	1,051	1,056	1,051	1,066	1,070	1,063
Mississippi	1,028	1,030	1,028	1,027	1,034	1,035	1,032
Missouri	1,021	1,023	1,021	1,021	1,020	1,024	1,022
Montana	1,043	1,047	1,046	1,044	1,054	1,048	1,048
Nebraska	1,050	1,062	1,061	1,056	1,058	1,064	1,063
Nevada	1,042	1,039	1,045	1,045	1,037	1,035	1,031
New Hampshire	1,038	1,033	1,035	1,031	1,029	1,030	1,031
New Jersey	1,042	1,037	1,041	1,038	1,036	1,035	1,036
New Mexico	1,032	1,027	1,027	1,019	1,018	1,018	1,025
New York	1,035	1,032	1,034	1,032	1,031	1,031	1,031
North Carolina	1,034	1,033	1,034	1,035	1,030	1,034	1,032
North Dakota	1,069	1,069	1,069	1,074	1,065	1,069	1,059
Ohio	1,070	1,067	1,072	1,072	1,070	1,064	1,064
Oklahoma	1,029	1,031	1,034	1,031	1,029	1,035	1,023
Oregon	1,053	1,053	1,052	1,054	1,060	1,055	1,058
Pennsylvania	1,037	1,037	1,038	1,036	1,037	1,037	1,037
Rhode Island	1,030	1,030	1,030	1,029	1,029	1,029	1,029
South Carolina	1,032	1,031	1,033	1,033	1,032	1,034	1,033
South Dakota	1,084	1,081	1,084	1,093	1,092	1,084	1,079
Tennessee	1,032	1,026	1,029	1,030	1,026	1,020	1,020
Texas	1,019	1,020	1,020	1,017	1,017	1,017	1,018
Utah	1,049	1,045	1,047	1,046	1,042	1,037	1,031
Vermont	1,048	1,041	1,047	1,038	1,034	1,038	1,035
Virginia	1,052	1,049	1,052	1,049	1,047	1,051	1,046
Washington	1,073	1,082	1,083	1,083	1,087	1,089	1,056
West Virginia	1,091	1,085	1,091	1,082	1,080	1,098	1,085
Wisconsin	1,040	1,044	1,044	1,045	1,053	1,046	1,043
Wyoming	1,061	1,070	1,065	1,068	1,058	1,061	1,067
Total	1,038	1,037	1,039	1,037	1,036	1,035	1,033

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						
	July	June	May	April	March	February	January
Alabama	1,031	1,030	1,027	1,028	1,027	1,027	1,029
Alaska	1,015	990	1,011	981	981	981	988
Arizona	1,024	1,025	1,039	1,035	1,028	1,031	1,033
Arkansas	1,016	1,015	1,018	1,020	1,021	1,021	1,021
California	1,024	1,026	1,035	1,039	1,038	1,038	1,039
Colorado	1,089	1,083	1,079	1,080	1,073	1,077	1,078
Connecticut	1,029	1,028	1,029	1,030	1,030	1,032	1,031
Delaware	1,033	1,034	1,035	1,036	1,036	1,038	1,036
District of Columbia	1,032	1,025	1,030	1,033	1,036	1,041	1,042
Florida	1,026	1,023	1,025	1,028	1,026	1,025	1,026
Georgia	1,029	1,027	1,025	1,027	1,028	1,029	1,030
Hawaii	914	915	913	919	975	981	984
Idaho	1,014	1,026	1,028	1,030	1,029	1,028	1,028
Illinois	1,036	1,040	1,040	1,042	1,041	1,041	1,041
Indiana	1,050	1,053	1,051	1,052	1,052	1,048	1,049
Iowa	1,068	1,067	1,066	1,067	1,062	1,068	1,067
Kansas	1,031	1,033	1,045	1,044	1,039	1,040	1,041
Kentucky	1,046	1,048	1,045	1,050	1,057	1,054	1,051
Louisiana	1,021	1,021	1,020	1,024	1,023	1,020	1,021
Maine	1,030	1,033	1,036	1,042	1,043	1,046	1,046
Maryland	1,040	1,036	1,035	1,038	1,041	1,045	1,047
Massachusetts	1,029	1,028	1,028	1,029	1,030	1,035	1,036
Michigan	1,057	1,058	1,058	1,062	1,062	1,062	1,060
Minnesota	1,062	1,056	1,046	1,053	1,047	1,026	1,029
Mississippi	1,027	1,028	1,025	1,035	1,031	1,028	1,031
Missouri	1,021	1,022	1,024	1,023	1,025	1,023	1,023
Montana	1,043	1,045	1,048	1,053	1,045	1,046	1,046
Nebraska	1,064	1,062	1,064	1,067	1,064	1,063	1,061
Nevada	1,027	1,030	1,038	1,046	1,046	1,045	1,043
New Hampshire	1,030	1,030	1,030	1,032	1,034	1,038	1,040
New Jersey	1,035	1,034	1,031	1,035	1,034	1,037	1,042
New Mexico	1,024	1,025	1,036	1,038	1,031	1,030	1,034
New York	1,030	1,031	1,031	1,033	1,033	1,034	1,034
North Carolina	1,033	1,032	1,031	1,033	1,033	1,033	1,031
North Dakota	1,061	1,059	1,072	1,074	1,074	1,072	1,071
Ohio	1,061	1,064	1,066	1,067	1,065	1,066	1,065
Oklahoma	1,028	1,024	1,030	1,042	1,030	1,032	1,036
Oregon	1,051	1,053	1,043	1,042	1,052	1,060	1,052
Pennsylvania	1,038	1,038	1,037	1,038	1,038	1,037	1,037
Rhode Island	1,030	1,029	1,030	1,030	1,030	1,031	1,031
South Carolina	1,033	1,026	1,029	1,030	1,030	1,030	1,029
South Dakota	1,073	1,079	1,081	1,077	1,080	1,078	1,078
Tennessee	1,017	1,022	1,024	1,027	1,030	1,030	1,030
Texas	1,018	1,017	1,022	1,026	1,022	1,022	1,022
Utah	1,029	1,035	1,044	1,053	1,052	1,051	1,050
Vermont	1,030	1,033	1,035	1,041	1,043	1,048	1,047
Virginia	1,045	1,049	1,046	1,047	1,051	1,052	1,052
Washington	1,081	1,063	1,078	1,081	1,084	1,088	1,087
West Virginia	1,071	1,076	1,088	1,080	1,092	1,091	1,084
Wisconsin	1,034	1,037	1,043	1,048	1,041	1,047	1,044
Wyoming	1,060	1,068	1,075	1,082	1,074	1,075	1,073
Total	1,032	1,032	1,035	1,039	1,039	1,039	1,039

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						
	Total	December	November	October	September	August	July
Alabama	1,028	1,030	1,031	1,030	1,031	1,031	1,027
Alaska	987	987	992	994	976	974	979
Arizona	1,032	1,030	1,029	1,029	1,030	1,032	1,030
Arkansas	1,018	1,021	1,019	1,021	1,020	1,019	1,021
California	1,034	1,038	1,039	1,041	1,038	1,038	1,035
Colorado	1,089	1,079	1,084	1,096	1,106	1,105	1,109
Connecticut	1,030	1,032	1,035	1,028	1,028	1,028	1,028
Delaware	1,041	1,034	1,036	1,037	1,036	1,040	1,035
District of Columbia	1,035	1,040	1,039	1,026	1,025	1,030	1,033
Florida	1,023	1,024	1,024	1,025	1,025	1,025	1,025
Georgia	1,026	1,028	1,027	1,027	1,029	1,028	1,027
Hawaii	952	984	973	924	967	936	917
Idaho	1,030	1,023	1,023	1,033	1,027	1,030	1,022
Illinois	1,033	1,041	1,041	1,038	1,036	1,034	1,033
Indiana	1,052	1,050	1,052	1,053	1,058	1,061	1,059
Iowa	1,066	1,071	1,077	1,077	1,078	1,077	1,080
Kansas	1,041	1,045	1,047	1,040	1,045	1,046	1,059
Kentucky	1,049	1,051	1,054	1,045	1,043	1,042	1,044
Louisiana	1,023	1,019	1,024	1,023	1,020	1,022	1,022
Maine	1,038	1,050	1,041	1,031	1,033	1,032	1,032
Maryland	1,044	1,048	1,045	1,036	1,036	1,040	1,039
Massachusetts	1,031	1,035	1,031	1,029	1,029	1,029	1,030
Michigan	1,057	1,061	1,062	1,062	1,066	1,061	1,058
Minnesota	1,056	1,048	1,028	1,063	1,060	1,065	1,059
Mississippi	1,029	1,029	1,031	1,032	1,030	1,027	1,033
Missouri	1,023	1,024	1,023	1,027	1,030	1,033	1,032
Montana	1,049	1,049	1,050	1,046	1,050	1,049	1,052
Nebraska	1,070	1,063	1,072	1,082	1,082	1,080	1,085
Nevada	1,043	1,044	1,045	1,048	1,047	1,048	1,048
New Hampshire	1,032	1,042	1,033	1,030	1,029	1,029	1,030
New Jersey	1,039	1,041	1,040	1,036	1,035	1,036	1,036
New Mexico	1,031	1,040	1,038	1,034	1,037	1,032	1,030
New York	1,032	1,034	1,033	1,030	1,030	1,030	1,031
North Carolina	1,031	1,030	1,034	1,033	1,030	1,032	1,032
North Dakota	1,099	1,072	1,068	1,077	1,061	1,059	1,065
Ohio	1,065	1,065	1,065	1,067	1,065	1,064	1,064
Oklahoma	1,033	1,043	1,045	1,032	1,035	1,048	1,034
Oregon	1,053	1,053	1,052	1,063	1,048	1,053	1,053
Pennsylvania	1,038	1,037	1,037	1,035	1,041	1,037	1,035
Rhode Island	1,029	1,032	1,031	1,029	1,029	1,028	1,029
South Carolina	1,027	1,028	1,030	1,030	1,029	1,029	1,028
South Dakota	1,084	1,081	1,082	1,080	1,076	1,078	1,074
Tennessee	1,030	1,028	1,028	1,027	1,021	1,021	1,021
Texas	1,025	1,024	1,024	1,023	1,024	1,028	1,029
Utah	1,046	1,049	1,046	1,048	1,051	1,050	1,049
Vermont	1,036	1,051	1,043	1,030	1,032	1,030	1,032
Virginia	1,051	1,053	1,050	1,051	1,046	1,050	1,049
Washington	1,086	1,088	1,090	901	1,091	1,086	1,090
West Virginia	1,084	1,088	1,084	1,085	1,091	1,092	1,098
Wisconsin	1,042	1,042	1,045	1,040	1,042	1,042	1,041
Wyoming	1,074	1,081	1,079	1,078	1,075	1,077	1,073
Total	1,038	1,040	1,040	1,036	1,037	1,038	1,037

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					
	June	May	April	March	February	January
Alabama	1,027	1,026	1,023	1,021	1,021	1,025
Alaska	977	967	980	982	981	990
Arizona	1,031	1,032	1,035	1,036	1,037	1,036
Arkansas	1,018	1,015	1,017	1,016	1,018	1,018
California	1,031	1,031	1,032	1,031	1,033	1,032
Colorado	1,102	1,094	1,087	1,077	1,078	1,081
Connecticut	1,027	1,027	1,028	1,030	1,030	1,030
Delaware	1,037	1,037	1,038	1,039	1,040	1,041
District of Columbia	1,026	1,031	1,040	1,044	1,046	1,045
Florida	1,025	1,022	1,023	1,020	1,020	1,021
Georgia	1,023	1,023	1,021	1,021	1,022	1,026
Hawaii	954	963	958	946	961	938
Idaho	1,033	1,039	1,037	1,030	1,029	1,028
Illinois	1,032	1,032	1,032	1,033	1,034	1,035
Indiana	1,055	1,061	1,049	1,045	1,043	1,043
Iowa	1,075	1,063	1,060	1,054	1,054	1,055
Kansas	1,036	1,038	1,044	1,036	1,036	1,043
Kentucky	1,042	1,043	1,052	1,046	1,050	1,051
Louisiana	1,024	1,026	1,023	1,021	1,020	1,021
Maine	1,036	1,030	1,036	1,042	1,045	1,048
Maryland	1,036	1,039	1,045	1,050	1,050	1,050
Massachusetts	1,029	1,029	1,030	1,031	1,034	1,035
Michigan	1,058	1,057	1,053	1,051	1,053	1,052
Minnesota	1,055	1,055	1,053	1,043	1,026	1,047
Mississippi	1,029	1,032	1,030	1,030	1,023	1,023
Missouri	1,028	1,028	1,022	1,021	1,020	1,022
Montana	1,054	1,051	1,051	1,049	1,045	1,045
Nebraska	1,078	1,074	1,073	1,055	1,056	1,059
Nevada	1,042	1,039	1,039	1,034	1,039	1,035
New Hampshire	1,029	1,028	1,030	1,034	1,035	1,041
New Jersey	1,035	1,036	1,038	1,041	1,044	1,044
New Mexico	1,028	1,025	1,024	1,022	1,027	1,031
New York	1,030	1,030	1,032	1,033	1,034	1,034
North Carolina	1,031	1,029	1,030	1,029	1,027	1,027
North Dakota	1,084	1,085	1,092	1,087	1,089	1,079
Ohio	1,062	1,063	1,065	1,065	1,065	1,065
Oklahoma	1,028	1,025	1,027	1,027	1,030	1,022
Oregon	1,066	1,063	1,048	1,048	1,054	1,055
Pennsylvania	1,036	1,036	1,037	1,038	1,039	1,039
Rhode Island	1,028	1,028	1,028	1,028	1,028	1,029
South Carolina	1,027	1,027	1,025	1,022	1,021	1,026
South Dakota	1,077	1,073	1,067	1,064	1,064	1,062
Tennessee	1,020	1,023	1,032	1,027	1,027	1,029
Texas	1,026	1,022	1,024	1,022	1,021	1,024
Utah	1,043	1,044	1,046	1,043	1,041	1,042
Vermont	1,033	1,029	1,034	1,037	1,041	1,042
Virginia	1,048	1,049	1,053	1,057	1,056	1,055
Washington	1,087	1,083	1,084	1,083	1,086	1,087
West Virginia	1,100	1,112	1,091	1,087	1,088	1,085
Wisconsin	1,034	1,043	1,044	1,047	1,040	1,046
Wyoming	1,060	1,077	1,071	1,070	1,071	1,072
Total	1,035	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.

This page intentionally blank.

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.

This page intentionally blank.

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,

$\sigma_\epsilon^2 = \sum_{i=1}^n \sigma_{0i}^2 / (n - 1)$, 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, May 2021

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	1.8	1.7	1.8	1.6	0.18	0.06	0.11
Alaska	1.5	0.8	0.0	0.5	0.04	0.11	0.00
Arizona	1.6	2.3	1.4	1.1	0.21	0.15	0.01
Arkansas	NA	3.6	0.9	1.6	NA	0.92	0.25
California	1.5	0.6	0.9	0.7	0.33	0.21	0.15
Colorado	0.9	2.1	2.3	1.0	0.14	0.48	0.01
Connecticut	0.6	0.8	1.2	0.5	0.19	0.15	0.01
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	9.2	5.8	2.5	2.4	NA	0.63	0.14
Georgia	0.0	0.0	2.4	0.0	0.00	0.04	0.32
Hawaii	0.0	0.0	NA	3.5	0.00	0.00	NA
Idaho	1.1	0.9	0.1	0.3	0.00	0.00	0.00
Illinois	0.6	1.5	2.7	1.1	0.17	0.00	0.18
Indiana	2.0	1.0	5.5	4.2	0.10	0.23	NA
Iowa	1.8	1.0	3.4	2.7	0.19	0.22	0.53
Kansas	2.5	3.7	2.1	1.6	0.43	0.67	0.20
Kentucky	4.3	2.1	1.9	1.5	0.64	0.33	0.09
Louisiana	6.2	2.9	1.0	1.0	0.82	0.30	0.58
Maine	8.4	5.4	3.7	3.0	0.17	0.11	0.00
Maryland	0.5	0.3	0.3	0.2	0.13	0.19	1.48
Massachusetts	1.6	1.4	3.4	1.2	0.22	0.19	0.17
Michigan	1.0	1.6	2.8	1.1	0.07	0.03	0.06
Minnesota	3.3	5.7	7.3	4.1	0.17	0.13	0.13
Mississippi	4.2	1.6	2.0	1.8	0.73	0.27	0.18
Missouri	1.8	2.6	2.4	1.3	0.08	0.10	0.17
Montana	0.5	0.3	0.0	0.2	0.06	0.12	0.00
Nebraska	2.5	1.5	NA	8.3	0.50	0.39	0.14
Nevada	0.0	0.2	6.9	1.6	0.00	0.00	0.05
New Hampshire	0.0	0.0	5.4	2.6	0.00	0.00	0.00
New Jersey	2.5	1.9	NA	3.1	0.22	0.72	0.17
New Mexico	3.7	1.4	2.2	1.6	0.13	0.19	0.06
New York	0.0	0.0	1.8	0.0	0.13	0.04	0.24
North Carolina	1.1	0.6	0.5	0.4	0.05	0.05	0.07
North Dakota	0.2	0.1	2.2	1.6	0.03	0.02	0.05
Ohio	0.0	0.0	1.0	0.0	0.12	0.04	0.59
Oklahoma	4.5	3.4	0.7	0.8	0.50	0.73	0.11
Oregon	0.0	0.0	1.8	1.0	0.00	0.00	0.00
Pennsylvania	2.7	1.7	1.5	1.1	0.05	0.11	1.15
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	3.6	1.9	1.1	0.9	1.21	0.16	0.10
South Dakota	1.8	0.9	3.1	2.4	0.38	0.34	0.24
Tennessee	4.9	1.8	1.8	1.4	0.31	0.16	0.12
Texas	5.3	2.3	2.3	2.1	1.10	0.31	0.04
Utah	0.6	0.2	0.1	0.2	0.00	0.00	0.01
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	2.6	2.9	2.0	1.4	0.26	0.16	0.32
Washington	8.0	5.9	3.6	3.2	NA	1.23	NA
West Virginia	3.4	0.5	1.5	1.1	0.16	0.14	0.00
Wisconsin	2.3	2.0	3.0	1.6	0.58	0.63	0.41
Wyoming	1.7	2.4	5.2	3.7	0.10	0.13	NA
Total	0.4	0.4	0.7	0.5	0.08	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*.

This page intentionally blank.

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.