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Preface

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

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

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

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

Contents

Highlights	1
Common Abbreviations	2
Appendices	
A. Explanatory Notes.....	103
B. Data Sources	111
C. Statistical Considerations.....	117
Glossary	127

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, January 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
26. Natural Gas Home Customer-Weighted Heating Degree Days.....	101
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, January 2021	125

Figures

1. Production, Consumption, and Net Imports of Natural Gas in the United States, 2017-2021.....	4
2. Natural Gas Deliveries to Consumers in the United States, 2017-2021.....	6
3. Citygate and Consumer Prices of Natural Gas in the United States, 2017-2021	8
4. Spot Prices of Natural Gas and Natural Gas Plant Liquids in the United States, 2017-2021	8
5. Working Gas in Underground Natural Gas Storage in the United States, 2017-2021	29
6. Percentage of Total Deliveries Included in Residential, Commercial, and Industrial Price Estimates, 2017-2021	95

Highlights

This issue of the *Natural Gas Monthly* (NGM) contains state and national-level estimates of natural gas volume and price data through January 2021.

Recent analyses of the natural gas industry are available on the [EIA website](#) by clicking the “[Natural Gas](#)” link under the “Sources & Uses” tab. The two reports listed under “Analysis & Projections” along the right side of the natural gas page are updated regularly. These reports are:

- [Weekly Natural Gas Storage Report](#) -- a weekly report containing estimates of natural gas in underground storage for the United States and five regions of the United States released each Thursday at 10:30 a.m. at the EIA website, except for certain weeks with Federal holidays. The report contains estimates of storage for the current and prior week and comparisons to previous periods. Links are provided to papers describing survey Form EIA-912, *Weekly Underground Natural Gas Storage Report*, and the estimation methodology.
- [Natural Gas Weekly Update](#) -- a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities. This page also provides links to numerous other EIA sites dealing with natural gas.

Other natural gas data and analyses may be found through the “Natural Gas” section of EIA’s website.

Abbreviations

Common Abbreviations Used in the *Natural Gas Monthly*

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

Table 1. Summary of natural gas supply and disposition in the United States, 2016-2021

(billion cubic feet)

Year and Month	Gross Withdrawals	Marketed Production	NGPL Production ^a	Dry Gas Production ^b	Supplemental Gaseous Fuels ^c	Net Imports	Net Storage Withdrawals ^d	Balancing Item ^e	Consumption ^f
2016 Total	32,592	28,400	1,808	26,592	57	671	340	-216	27,444
2017 Total	33,292	29,238	1,897	27,341	66	-121	254	-400	27,140
2018 Total	37,326	33,009	2,235	30,774	69	-719	314	-300	30,139
2019									
January	3,385	2,981	208	2,773	5	-74	730	-25	3,409
February	3,067	2,709	189	2,520	5	-97	586	-4	3,010
March	3,396	3,019	211	2,809	5	-121	257	-43	2,907
April	3,329	2,934	205	2,729	5	-132	-401	4	2,205
May	3,432	3,055	213	2,842	5	-161	-494	-67	2,126
June	3,317	2,969	207	2,761	5	-159	-452	-36	2,119
July	3,412	3,084	215	2,869	5	-163	-270	-31	2,410
August	3,467	3,159	220	2,939	5	-165	-303	-35	2,441
September	3,399	3,054	213	2,841	5	-186	-440	-2	2,217
October	3,571	3,200	223	2,977	5	-215	-364	-75	2,328
November	3,496	3,120	218	2,902	5	-218	159	-70	2,779
December	3,621	3,232	226	3,007	5	-225	433	-73	3,148
Total	40,892	36,515	2,548	33,968	62	-1,915	-558	-458	31,099
2020									
January	£3,590	£3,182	234	£2,948	6	-248	571	20	3,296
February	£3,342	£2,959	212	£2,747	6	-216	535	-40	3,033
March	£3,561	£3,166	235	£2,931	6	-284	49	7	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	R-12	2,135
July	£3,383	£3,023	241	£2,783	6	-139	-161	R4	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	£3,380	£2,996	238	£2,758	5	-282	-92	-65	2,323
November	RE3,371	RE2,991	231	RE2,760	5	-315	-4	R-6	R2,440
December	RE3,510	RE3,096	R225	RE2,870	6	-285	587	R-20	R3,159
Total	RE40,693	RE36,175	2,737	RE33,439	64	-2,729	-178	R-113	R30,482
2021									
January	£3,505	£3,099	233	£2,867	5	-278	707	-13	3,288

^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.

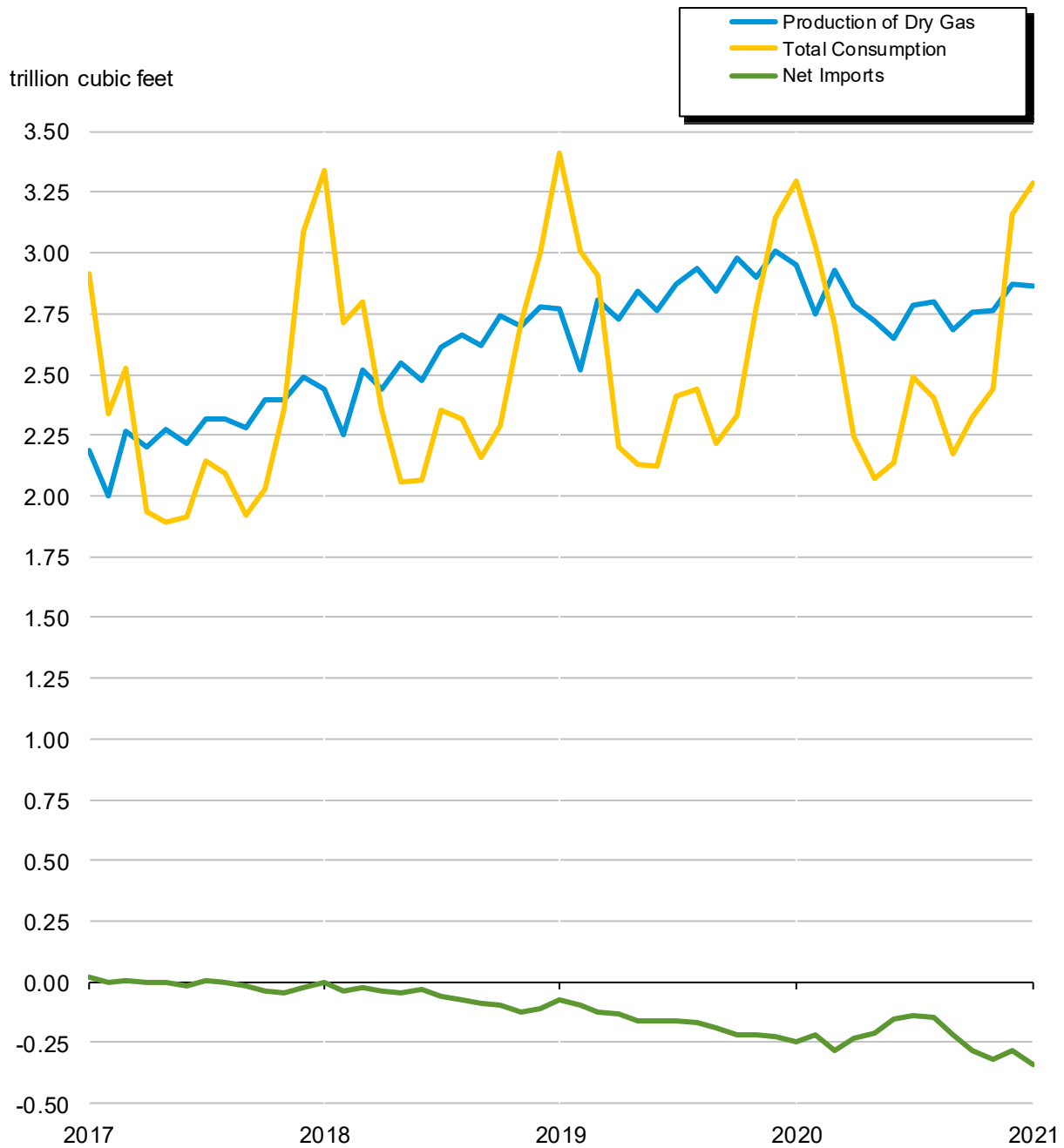
^{RE} Revised estimated data.

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, 2017-2021



Sources: 2017-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*. January 2020 through current month: Form EIA-914, *Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report*; Form EIA-857, *Monthly Report of Natural Gas Purchases and Deliveries to Consumers*; Form EIA-191, *Monthly Underground Gas Storage Report*; EIA computations and estimates; and Office of Fossil Energy, *Natural Gas Imports and Exports*.

Table 2. Natural gas consumption in the United States, 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	£157	£96	£793	£449	787	873	£5	£2,906	£3,159	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	792	866	£5	3,031	3,288	1,038

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

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

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

^R Revised data.

^E Estimated data.

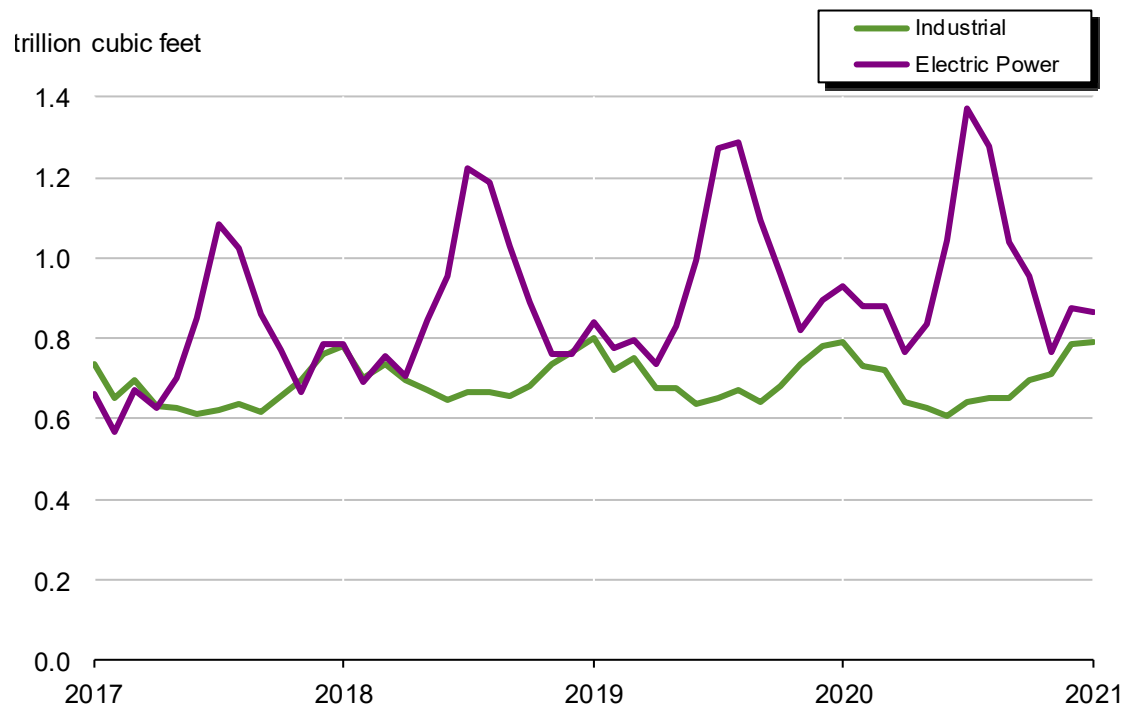
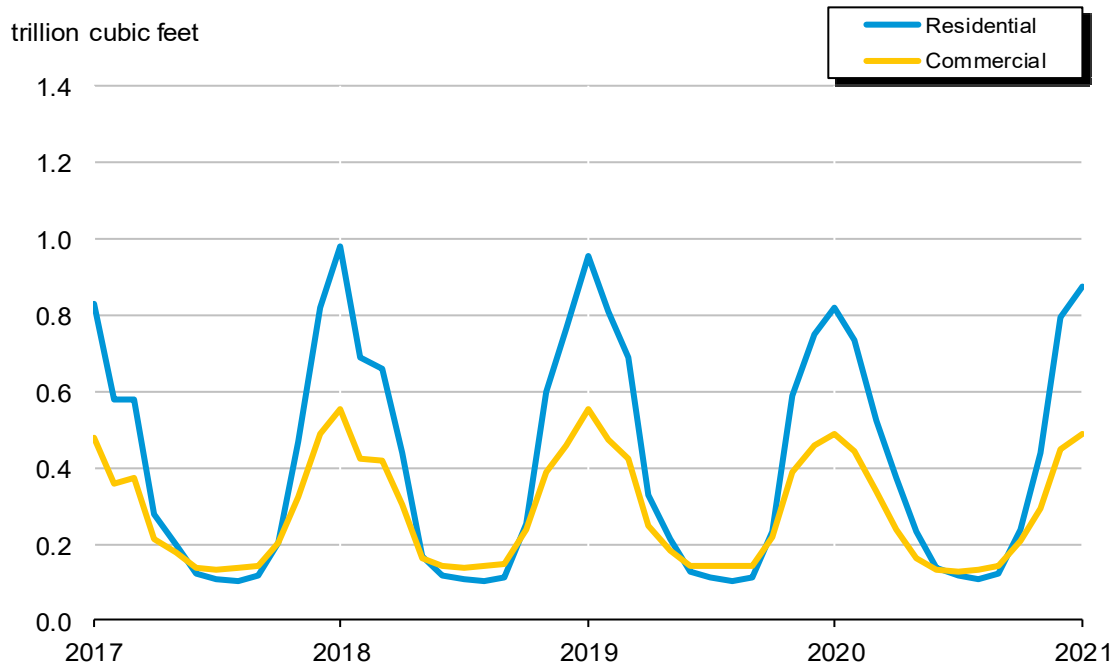
^{RE} Revised estimated data.

Notes: Data for 2016 through 2018 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 states and the District of Columbia. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Note 6, for definition of sectors.

Sources: 2016-2019: U.S. Energy Information Administration (EIA): Form EIA-857, *Monthly Report of Natural Gas Purchases and Deliveries to Consumers*; state and federal agencies; EIA estimates based on historical data; and *Natural Gas Annual 2019*. January 2020 through current month: Form EIA-914, *Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report*; Form EIA-857; Form EIA-923, *Power Plant Operations Report*. See Appendix A, Explanatory Note 6, for computation procedures and revision policy.

Figure 2

Figure 2. Natural gas deliveries to consumers in the United States, 2017-2021



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

Table 3. Selected national average natural gas prices, 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						
				Residential		Commercial		Industrial		Electric Power Price ^d
				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	R3.86	R17.63	R96.3	R8.50	55.7	2.55	12.8	2.10
August	5.01	2.30	R3.96	18.42	95.9	R8.51	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	R12.36	96.6	7.62	60.6	3.25	R13.0	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	R9.81	96.8	7.42	69.6	4.07	13.7	3.30
Annual Average	4.47	2.03	3.42	R10.84	96.3	7.48	R64.6	3.29	13.0	2.48
2021										
January	7.07	2.71	3.45	9.74	96.7	7.43	70.4	4.04	13.4	3.33

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

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

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

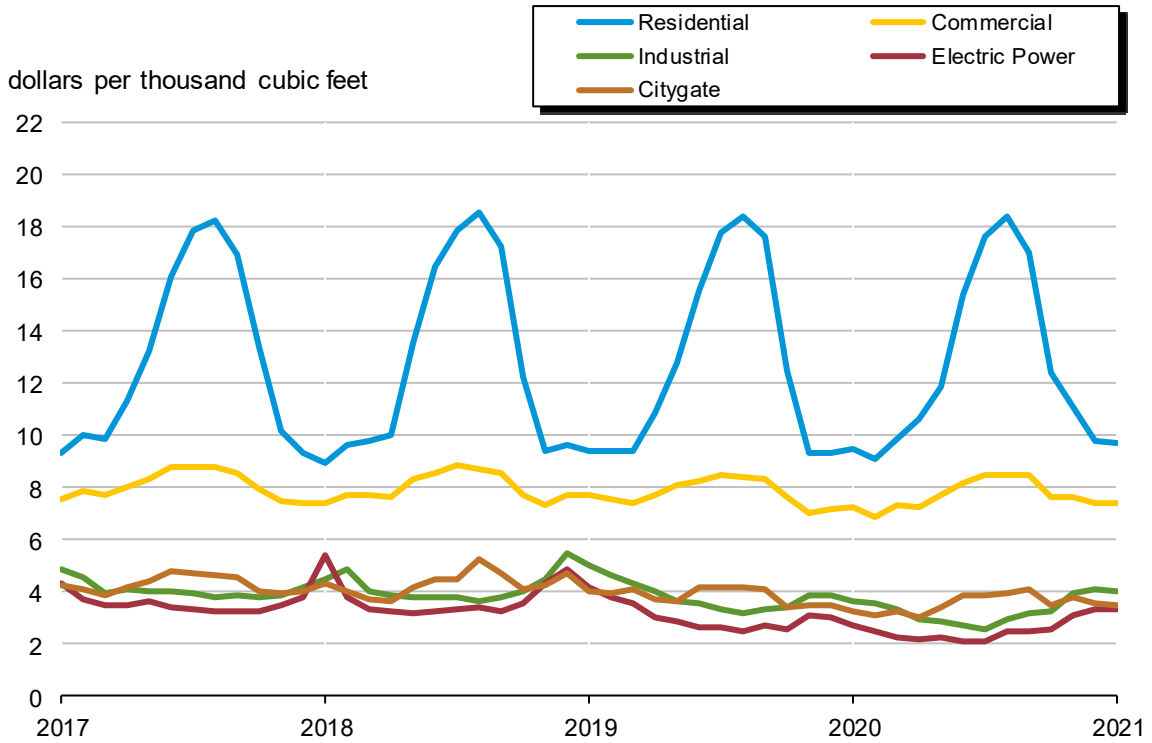
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^R Revised data.

Notes: Prices are in nominal dollars. Data for 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; and EIA estimates.

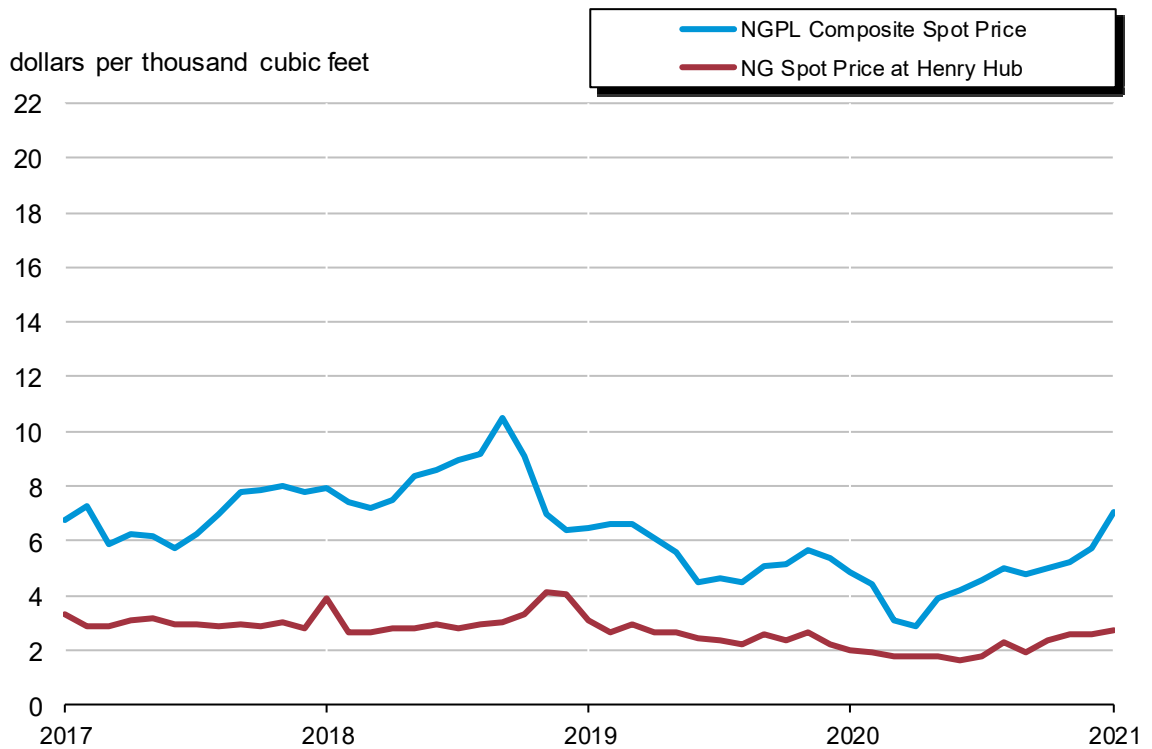
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2017-2021



Note: Prices are in nominal dollars.

Sources: 2017-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*. January 2020 through current month: Form EIA-857, *Monthly Report of Natural Gas Purchases and Deliveries to Consumers*; Form EIA-910, *Monthly Natural Gas Marketer Survey*; Form EIA-923, *Power Plant Operations Report*; Form EIA-816; Bloomberg; Refinitiv; and EIA estimates.

Figure 4. Spot prices of natural gas and natural gas plant liquids in the United States, 2017-2021



Note: Prices are in nominal dollars.

Sources: 2017-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*. January 2020 through current month: Form EIA-857, *Monthly Report of Natural Gas Purchases and Deliveries to Consumers*; Form EIA-910, *Monthly Natural Gas Marketer Survey*; Form EIA-923, *Power Plant Operations Report*; Form EIA-816; Bloomberg; Refinitiv; and EIA estimates.

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

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

	2021			2020		
	January	Total	December	November	October	September
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	277,630	2,500,507	261,049	208,889	199,086	172,982
Mexico	57	1,706	56	57	89	99
Total Pipeline Imports	277,687	2,502,213	261,105	208,945	199,175	173,081
LNG						
By Truck						
Canada	3	43	7	4	8	6
By Vessel						
France	0	0	0	0	0	0
Nigeria	0	6,906	2,629	0	0	0
Norway	0	3,032	0	0	0	0
Trinidad/Tobago	6,376	39,233	2,853	2,841	0	1,235
United Kingdom	0	0	0	0	0	0
Total LNG Imports	6,379	49,214	5,489	2,846	8	1,241
CNG						
Canada	21	300	20	20	25	17
Total CNG Imports	21	300	20	20	25	17
Total Imports	284,087	2,551,727	266,615	211,811	199,208	174,339
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.75	2.00	2.72	2.63	2.17	1.99
Mexico	2.91	3.48	3.07	3.20	2.97	3.41
Total Pipeline Imports	2.75	2.00	2.72	2.63	2.17	1.99
LNG						
By Truck						
Canada	6.92	6.09	6.52	4.69	4.74	6.40
By Vessel						
France	--	--	--	--	--	--
Nigeria	--	3.50	4.11	--	--	--
Norway	--	6.16	--	--	--	--
Trinidad/Tobago	7.62	4.67	6.86	6.94	--	3.38
United Kingdom	--	--	--	--	--	--
Total LNG Imports	7.62	4.60	5.54	6.93	4.74	3.40
CNG						
Canada	5.41	3.26	3.82	3.86	2.27	2.26
Total CNG Imports	5.41	3.26	3.82	3.86	2.27	2.26
Total Imports	3.03	2.05	2.89	2.78	2.17	2.02
Net Imports - Volume	-278,158	R-2,729,290	R-285,212	-315,274	-282,412	-221,085

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					
	August	July	June	May	April	March
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	208,109	206,230	182,574	183,655	186,779	210,188
Mexico	376	119	32	63	60	100
Total Pipeline Imports	208,486	206,349	182,606	183,718	186,838	210,288
LNG						
By Truck						
Canada	9	4	0	*	0	3
By Vessel						
France	0	0	0	0	0	0
Nigeria	0	0	2,693	0	0	0
Norway	0	0	0	0	0	0
Trinidad/Tobago	2,874	4,078	2,178	2,811	3,214	2,857
United Kingdom	0	0	0	0	0	0
Total LNG Imports	2,883	4,083	4,871	2,811	3,214	2,860
CNG						
Canada	24	22	36	26	23	34
Total CNG Imports	24	22	36	26	23	34
Total Imports	211,392	210,453	187,513	186,555	190,076	213,182
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	1.87	1.58	1.53	1.58	1.49	1.63
Mexico	7.81	1.89	0.84	1.51	1.26	1.64
Total Pipeline Imports	1.88	1.58	1.53	1.58	1.49	1.63
LNG						
By Truck						
Canada	5.31	9.96	--	5.75	--	6.30
By Vessel						
France	--	--	--	--	--	--
Nigeria	--	--	1.84	--	--	--
Norway	--	--	--	--	--	--
Trinidad/Tobago	1.50	4.59	1.33	4.26	1.48	4.34
United Kingdom	--	--	--	--	--	--
Total LNG Imports	1.52	4.59	1.61	4.26	1.48	4.34
CNG						
Canada	2.39	2.24	2.13	2.37	2.27	2.92
Total CNG Imports	2.39	2.24	2.13	2.37	2.27	2.92
Total Imports	1.90	1.73	1.57	1.68	1.51	1.72
Net Imports - Volume	-147,766	-138,713	-150,973	-208,792	-230,691	-284,255

See footnotes at end of table.

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

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

	2020		Total	December	November	2019
	February	January				October
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	232,402	248,565	2,686,564	244,590	220,843	204,908
Mexico	355	300	1,873	949	109	69
Total Pipeline Imports	232,757	248,865	2,688,436	245,539	220,952	204,977
LNG						
By Truck						
Canada	1	1	226	3	1	*
By Vessel						
France	0	0	2,651	0	0	0
Nigeria	0	1,584	3,154	3,154	0	0
Norway	0	3,032	0	0	0	0
Trinidad/Tobago	5,689	8,602	46,872	7,323	2,780	5,532
United Kingdom	0	0	0	0	0	0
Total LNG Imports	5,689	13,218	52,903	10,481	2,781	5,532
CNG						
Canada	15	38	377	33	31	28
Total CNG Imports	15	38	377	33	31	28
Total Imports	238,461	262,121	2,741,717	256,053	223,765	210,537
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	1.94	2.43	2.44	2.84	2.66	1.96
Mexico	2.11	2.34	2.83	2.72	2.71	2.28
Total Pipeline Imports	1.94	2.43	2.44	2.84	2.66	1.96
LNG						
By Truck						
Canada	6.74	8.81	7.19	9.98	8.98	6.33
By Vessel						
France	--	--	10.39	--	--	--
Nigeria	--	5.30	5.56	5.56	--	--
Norway	--	6.16	--	--	--	--
Trinidad/Tobago	5.66	6.11	7.40	6.42	7.12	4.65
United Kingdom	--	--	--	--	--	--
Total LNG Imports	5.67	6.03	7.44	6.17	7.12	4.65
CNG						
Canada	3.99	7.16	3.43	5.80	4.52	2.48
Total CNG Imports	3.99	7.16	3.43	5.80	4.52	2.48
Total Imports	2.16	2.91	2.54	3.23	2.80	2.15
Net Imports - Volume	-215,791	-248,325	-1,914,608	-224,953	-217,597	-215,237

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

	September	August	July	June	May	2019 April
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	208,201	217,054	227,488	201,069	207,535	203,620
Mexico	63	114	62	64	78	65
Total Pipeline Imports	208,264	217,167	227,550	201,133	207,613	203,685
LNG						
By Truck						
Canada	0	*	*	5	9	31
By Vessel						
France	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
Norway	0	0	0	0	0	0
Trinidad/Tobago	0	2,886	2,832	0	0	2,811
United Kingdom	0	0	0	0	0	0
Total LNG Imports	0	2,886	2,832	5	9	2,842
CNG						
Canada	22	23	26	26	29	32
Total CNG Imports	22	23	26	26	29	32
Total Imports	208,286	220,076	230,407	201,163	207,651	206,559
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	1.65	1.63	1.72	1.54	1.81	1.97
Mexico	2.09	2.24	2.29	2.08	1.89	2.40
Total Pipeline Imports	1.65	1.63	1.72	1.54	1.81	1.97
LNG						
By Truck						
Canada	--	6.00	6.33	8.44	7.66	7.20
By Vessel						
France	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--
Norway	--	--	--	--	--	--
Trinidad/Tobago	--	4.57	6.73	--	--	7.33
United Kingdom	--	--	--	--	--	--
Total LNG Imports	--	4.57	6.73	8.44	7.66	7.32
CNG						
Canada	0.36	0.61	0.68	0.85	0.94	1.57
Total CNG Imports	0.36	0.61	0.68	0.85	0.94	1.57
Total Imports	1.65	1.73	1.86	1.54	1.81	2.14
Net Imports - Volume	-186,225	-164,907	-162,993	-159,063	-160,917	-131,654

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		
	March	February	January
Imports			
Volume (million cubic feet)			
Pipeline			
Canada ^a	249,309	225,650	276,296
Mexico	133	100	67
Total Pipeline Imports	249,443	225,750	276,363
LNG			
By Truck			
Canada	44	56	78
By Vessel			
France	0	0	2,651
Nigeria	0	0	0
Norway	0	0	0
Trinidad/Tobago	3,456	7,499	11,753
United Kingdom	0	0	0
Total LNG Imports	3,499	7,555	14,482
CNG			
Canada	47	39	42
Total CNG Imports	47	39	42
Total Imports	252,989	233,344	290,886
Average Price (dollars per thousand cubic feet)			
Pipeline			
Canada	3.63	3.60	3.55
Mexico	4.06	5.29	3.55
Total Pipeline Imports	3.63	3.60	3.55
LNG			
By Truck			
Canada	7.07	7.06	7.08
By Vessel			
France	--	--	10.39
Nigeria	--	--	--
Norway	--	--	--
Trinidad/Tobago	7.71	8.98	9.14
United Kingdom	--	--	--
Total LNG Imports	7.70	8.97	9.36
CNG			
Canada	3.48	6.48	8.08
Total CNG Imports	3.48	6.48	8.08
Total Imports	3.79	4.06	4.30
Net Imports - Volume	-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	
	January	Total	December	November	October	September
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	84,352	899,984	82,958	80,233	72,833	62,211
Mexico	172,761	1,990,809	164,577	166,135	185,799	182,068
Total Pipeline Exports	257,114	2,890,793	247,535	246,368	258,632	244,279
LNG						
Exports						
By Vessel						
Argentina	0	17,148	0	0	0	0
Bahamas	28	257	36	31	25	20
Bangladesh	3,148	10,660	0	0	0	0
Barbados	17	241	25	15	17	14
Belgium	0	35,360	0	3,633	3,285	0
Brazil	21,132	111,908	29,927	30,191	22,508	0
Canada	0	0	0	0	0	0
Chile	9,784	80,615	9,793	3,252	6,836	3,277
China	42,477	214,401	45,525	45,083	35,115	11,245
Colombia	0	4,626	0	0	0	2,548
Croatia	506	3,275	3,275	0	0	0
Dominican Republic	6,895	26,050	5,000	5,106	5,909	0
Egypt	0	0	0	0	0	0
France	3,587	86,824	3,752	3,390	6,639	0
Greece	600	48,403	3,382	3,543	0	7,027
Haiti	12	118	17	11	9	8
India	20,367	124,402	10,241	10,299	17,762	10,514
Israel	0	15,834	0	0	0	3,041
Italy	0	68,453	0	3,083	0	0
Jamaica	3,708	17,052	2,374	0	2,514	2,610
Japan	64,331	288,058	54,004	32,967	31,636	6,855
Jordan	0	6,872	0	0	0	3,578
Kuwait	0	17,293	0	0	3,603	3,508
Lithuania	0	28,879	6,291	3,621	6,191	3,308
Malaysia	0	0	0	0	0	0
Malta	0	2,648	0	0	0	0
Mexico	0	34,408	0	3,056	7,398	3,285
Netherlands	2,949	85,573	3,316	6,684	3,603	6,671
Pakistan	3,682	36,934	0	3,436	10,009	9,853
Panama	516	12,764	271	1,448	433	3,228
Poland	0	36,900	7,033	0	3,157	0
Portugal	0	36,922	3,711	5,830	3,564	6,853
Singapore	3,688	28,341	0	7,658	3,416	0
South Korea	55,936	316,613	39,617	49,103	14,321	32,126
Spain	7,377	199,925	13,583	9,907	14,118	15,206
Taiwan	6,783	64,363	12,470	6,216	3,636	9,007
Thailand	0	32,622	0	3,705	0	0
Turkey	26,152	123,957	20,188	12,817	0	3,611
United Arab Emirates	0	10,110	0	0	0	0
United Kingdom	21,436	160,199	30,378	26,544	17,191	3,664
By Truck						
Canada	0	10	8	0	0	0
Mexico	19	822	46	52	68	73
Total LNG Exports	305,132	2,389,838	304,263	280,682	222,963	151,128
CNG						
Canada	0	386	29	35	26	17
Total CNG Exports	0	386	29	35	26	17
Total Exports	562,245	5,281,017	551,827	527,085	481,621	395,424

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

	August	July	June	May	April	2020 March
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	60,810	71,778	66,516	67,752	71,722	86,579
Mexico	185,867	181,152	162,927	145,242	138,544	166,550
Total Pipeline Exports	246,677	252,930	229,442	212,994	210,266	253,130
LNG						
Exports						
By Vessel						
Argentina	4,413	2,218	2,229	8,287	0	0
Bahamas	21	15	18	20	23	20
Bangladesh	0	3,614	0	3,406	0	0
Barbados	14	15	20	20	15	28
Belgium	0	0	0	4,762	3,324	3,724
Brazil	3,520	0	0	0	0	6,891
Canada	0	0	0	0	0	0
Chile	7,428	1,515	3,313	11,068	14,098	3,216
China	13,699	10,358	0	14,535	21,140	17,699
Colombia	550	0	0	0	0	0
Croatia	0	0	0	0	0	0
Dominican Republic	2,772	0	0	2,554	1,838	2,872
Egypt	0	0	0	0	0	0
France	0	0	0	6,133	16,336	23,491
Greece	0	6,544	1,076	3,430	3,233	8,892
Haiti	11	8	7	10	8	9
India	10,319	7,404	10,100	10,534	16,674	17,245
Israel	3,001	3,317	3,277	0	0	3,197
Italy	6,734	3,232	12,998	6,452	3,135	9,895
Jamaica	0	0	0	0	5,770	1
Japan	22,541	10,618	21,836	13,729	18,387	21,845
Jordan	0	0	0	3,294	0	0
Kuwait	6,886	0	0	0	3,297	0
Lithuania	0	0	3,049	3,473	2,945	0
Malaysia	0	0	0	0	0	0
Malta	0	0	0	0	0	0
Mexico	3,701	0	0	0	0	7,037
Netherlands	0	6,746	6,870	6,826	10,305	13,772
Pakistan	3,412	0	0	0	3,334	0
Panama	0	0	0	3,070	0	906
Poland	0	0	3,385	6,258	3,523	3,583
Portugal	0	0	0	0	10,777	0
Singapore	2,967	3,690	0	0	0	10,610
South Korea	13,814	10,492	28,171	20,921	24,258	28,095
Spain	3,222	13,679	9,640	29,319	22,943	23,657
Taiwan	0	0	2,953	6,662	0	6,987
Thailand	0	3,254	0	7,397	11,049	3,783
Turkey	0	3,222	0	6,661	14,030	6,489
United Arab Emirates	3,359	3,277	0	3,474	0	0
United Kingdom	0	2,908	0	0	0	20,202
By Truck						
Canada	0	0	0	0	0	0
Mexico	78	72	61	18	23	123
Total LNG Exports	112,462	96,200	109,002	182,313	210,466	244,269
CNG						
Canada	20	37	43	39	35	38
Total CNG Exports	20	37	43	39	35	38
Total Exports	359,159	349,167	338,486	395,347	420,767	497,437

See footnotes at end of table.

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

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

	2020		Total	2019		
	February	January		December	November	October
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	77,361	99,233	971,334	109,175	92,089	76,246
Mexico	151,071	160,875	1,865,329	151,308	158,633	171,535
Total Pipeline Exports	228,432	260,108	2,836,662	260,483	250,722	247,781
LNG						
Exports						
By Vessel						
Argentina	0	0	39,293	0	0	0
Bahamas	13	15	156	11	14	8
Bangladesh	0	3,640	3,419	3,419	0	0
Barbados	26	33	211	20	20	25
Belgium	9,872	6,761	23,897	10,407	3,293	3,402
Brazil	10,433	8,438	54,298	0	3,279	3,345
Canada	0	0	0	0	0	0
Chile	10,731	6,087	90,357	7,207	3,484	6,608
China	0	0	6,851	0	0	0
Colombia	1,003	525	6,518	0	0	0
Croatia	0	0	0	0	0	0
Dominican Republic	0	0	10,334	501	0	2,927
Egypt	0	0	0	0	0	0
France	20,520	6,563	117,791	14,758	26,946	14,228
Greece	0	11,276	14,643	7,752	0	0
Haiti	11	7	42	12	8	4
India	0	3,309	91,481	7,090	6,933	6,961
Israel	0	0	0	0	0	0
Italy	16,616	6,308	68,655	12,764	6,345	0
Jamaica	2,914	869	13,892	2,435	2,464	0
Japan	21,360	32,280	201,085	21,226	17,603	24,504
Jordan	0	0	32,332	0	0	0
Kuwait	0	0	10,308	0	0	0
Lithuania	0	0	3,455	3,455	0	0
Malaysia	0	0	3,698	0	3,698	0
Malta	48	2,600	413	0	0	0
Mexico	3,167	6,764	143,371	9,696	3,273	6,437
Netherlands	14,099	6,681	81,361	13,405	10,099	3,456
Pakistan	3,567	3,323	26,787	3,253	3,247	3,472
Panama	3,408	0	10,221	0	478	0
Poland	6,677	3,282	38,042	7,013	3,432	3,489
Portugal	6,187	0	53,342	6,345	0	6,621
Singapore	0	0	31,440	3,375	0	3,463
South Korea	11,071	44,625	270,025	38,139	24,962	42,233
Spain	20,240	24,412	166,684	13,874	19,985	13,704
Taiwan	7,115	9,317	27,397	3,658	3,736	3,138
Thailand	3,435	0	6,635	0	0	0
Turkey	24,303	32,637	30,611	536	7,266	3,528
United Arab Emirates	0	0	20,561	0	0	0
United Kingdom	28,884	30,428	118,662	30,054	39,957	26,260
By Truck						
Canada	0	2	25	0	1	14
Mexico	87	122	1,105	93	86	139
Total LNG Exports	225,786	250,305	1,819,399	220,498	190,610	177,966
CNG						
Canada	34	33	263	25	30	28
Total CNG Exports	34	33	263	25	30	28
Total Exports	454,252	510,446	4,656,324	481,006	441,362	425,775

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

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		
	March	February	January
Exports			
Volume (million cubic feet)			
Pipeline			
Canada	93,182	91,561	87,269
Mexico	149,514	135,514	150,544
Total Pipeline Exports	242,696	227,074	237,813
LNG			
Exports			
By Vessel			
Argentina	0	0	0
Bahamas	11	14	11
Bangladesh	0	0	0
Barbados	14	14	17
Belgium	3,390	0	0
Brazil	3,283	3,234	0
Canada	0	0	0
Chile	10,005	2,933	0
China	0	3,464	3,387
Colombia	2,935	0	2,934
Croatia	0	0	0
Dominican Republic	0	2,942	0
Egypt	0	0	0
France	20,853	0	7,303
Greece	0	3,394	0
Haiti	0	0	0
India	7,446	6,989	7,030
Israel	0	0	0
Italy	6,684	3,454	10,502
Jamaica	2,320	0	0
Japan	7,143	10,320	17,495
Jordan	0	3,695	0
Kuwait	0	0	0
Lithuania	0	0	0
Malaysia	0	0	0
Malta	0	0	0
Mexico	7,038	6,681	14,310
Netherlands	10,452	3,390	0
Pakistan	3,282	3,365	0
Panama	3,191	3,269	0
Poland	3,701	0	9,762
Portugal	0	3,720	10,289
Singapore	6,631	7,249	0
South Korea	18,013	17,750	16,981
Spain	10,678	6,748	6,631
Taiwan	0	0	0
Thailand	0	0	0
Turkey	0	6,483	9,829
United Arab Emirates	0	0	0
United Kingdom	3,669	3,711	10,373
By Truck			
Canada	0	1	0
Mexico	73	48	104
Total LNG Exports	130,814	102,866	126,957
CNG			
Canada	29	15	16
Total CNG Exports	29	15	16
Total Exports	373,539	329,954	364,787

See footnotes at end of table.

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

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

	2021					2020
	January	Total	December	November	October	September
Exports						
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	3.85	2.06	2.80	2.53	2.05	2.00
Mexico	2.84	2.12	2.87	2.83	2.21	2.30
Total Pipeline Exports	3.30	2.10	2.85	2.73	2.17	2.23
LNG						
Exports						
By Vessel						
Argentina	--	4.65	--	--	--	--
Bahamas	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
Belgium	--	4.39	--	7.24	5.63	--
Brazil	7.35	6.09	6.39	6.75	7.02	--
Canada	--	--	--	--	--	--
Chile	5.91	5.49	5.99	6.01	5.39	6.20
China	6.02	5.82	6.33	6.33	5.50	6.65
Colombia	--	5.83	--	--	--	6.23
Croatia	6.09	6.75	6.75	--	--	--
Dominican Republic	6.23	5.78	6.32	6.11	5.92	--
Egypt	--	--	--	--	--	--
France	6.09	5.04	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
India	6.10	5.39	6.33	6.73	5.17	5.67
Israel	--	5.17	--	--	--	6.23
Italy	--	5.13	--	6.89	--	--
Jamaica	6.09	4.92	6.27	--	4.25	3.19
Japan	6.20	6.22	6.67	6.77	6.76	5.37
Jordan	--	5.28	--	--	--	5.71
Kuwait	--	5.27	--	--	5.14	5.67
Lithuania	--	5.17	6.28	6.41	3.64	6.72
Malaysia	--	--	--	--	--	--
Malta	--	5.33	--	--	--	--
Mexico	--	5.02	--	6.73	5.26	5.70
Netherlands	5.57	5.27	6.78	6.30	5.10	5.37
Pakistan	4.54	4.70	--	6.11	5.60	5.16
Panama	6.09	6.98	6.08	6.11	5.64	8.10
Poland	--	4.97	6.44	--	5.50	--
Portugal	--	5.24	7.12	5.62	3.93	5.08
Singapore	6.11	5.30	--	6.29	5.63	--
South Korea	6.01	5.57	6.20	6.65	6.90	5.10
Spain	6.31	5.54	6.56	6.57	5.71	5.59
Taiwan	5.14	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	--	5.38	--	--	--	--
United Kingdom	5.74	5.75	6.23	6.37	5.64	6.85
By Truck						
Canada	--	9.45	9.99	--	--	--
Mexico	9.92	8.20	8.45	8.62	7.50	8.57
Total LNG Exports	6.08	5.57	6.38	6.46	5.78	5.53
CNG						
Canada	--	2.55	3.81	3.33	1.54	1.52
Total CNG Exports	--	2.55	3.81	3.33	1.54	1.52
Total Exports	4.66	3.67	4.80	4.72	3.84	3.49

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					
	August	July	June	May	April	March
Exports						
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	1.92	1.75	1.77	1.83	1.77	1.81
Mexico	2.18	1.86	1.78	2.04	1.63	1.71
Total Pipeline Exports	2.11	1.83	1.78	1.97	1.68	1.74
LNG						
Exports						
By Vessel						
Argentina	3.16	6.69	4.05	5.05	--	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	--	5.44	--	5.80	--	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	--	--	--	5.46	3.38	2.17
Brazil	2.63	--	--	--	--	5.03
Canada	--	--	--	--	--	--
Chile	7.33	6.69	5.80	5.03	4.55	4.78
China	6.84	6.31	--	5.47	3.87	4.83
Colombia	5.38	--	--	--	--	--
Croatia	--	--	--	--	--	--
Dominican Republic	5.38	--	--	6.36	4.43	4.67
Egypt	--	--	--	--	--	--
France	--	--	--	5.35	4.96	5.29
Greece	--	6.67	5.47	5.08	5.08	5.18
Haiti	10.39	10.39	10.39	10.39	10.39	10.39
India	6.63	4.79	5.81	5.45	4.74	3.90
Israel	4.84	5.44	4.05	--	--	5.33
Italy	4.07	5.08	5.10	5.27	5.34	5.29
Jamaica	--	--	--	--	5.08	10.39
Japan	6.69	6.60	5.93	5.99	4.98	5.83
Jordan	--	--	--	4.80	--	--
Kuwait	5.47	--	--	--	4.56	--
Lithuania	--	--	5.20	5.28	2.56	--
Malaysia	--	--	--	--	--	--
Malta	--	--	--	--	--	--
Mexico	4.71	--	--	--	--	4.82
Netherlands	--	6.13	6.13	5.34	5.17	4.60
Pakistan	2.25	--	--	--	2.56	--
Panama	--	--	--	5.54	--	5.31
Poland	--	--	6.93	5.32	3.41	2.17
Portugal	--	--	--	--	5.14	--
Singapore	5.88	5.71	--	--	--	4.18
South Korea	5.23	4.91	5.20	5.31	5.12	4.75
Spain	5.50	4.90	5.85	5.31	4.68	5.41
Taiwan	--	--	4.05	5.97	--	5.34
Thailand	--	4.91	--	5.04	4.77	2.44
Turkey	--	5.08	--	6.77	4.72	5.31
United Arab Emirates	5.59	5.28	--	5.28	--	--
United Kingdom	--	4.91	--	--	--	4.68
By Truck						
Canada	--	--	--	--	--	--
Mexico	7.98	7.56	7.67	5.85	6.05	8.39
Total LNG Exports	5.69	5.61	5.49	5.44	4.67	4.85
CNG						
Canada	1.68	1.51	1.37	1.65	1.50	2.13
Total CNG Exports	1.68	1.51	1.37	1.65	1.50	2.13
Total Exports	3.24	2.87	2.98	3.57	3.17	3.27

See footnotes at end of table.

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

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

	2020		Total	December	November	2019 October
	February	January				
Exports						
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	1.99	2.25	2.77	2.61	2.84	2.20
Mexico	1.90	2.05	2.57	2.39	2.55	2.32
Total Pipeline Exports	1.93	2.13	2.64	2.48	2.66	2.28
LNG						
Exports						
By Vessel						
Argentina	--	--	5.14	--	--	--
Bahamas	10.39	10.39	10.39	10.39	10.39	10.39
Bangladesh	--	4.31	5.03	5.03	--	--
Barbados	10.39	10.39	10.39	10.39	10.39	10.39
Belgium	3.68	4.27	4.97	4.17	6.22	3.47
Brazil	4.32	4.71	5.18	--	6.75	6.02
Canada	--	--	--	--	--	--
Chile	5.04	5.68	4.68	5.77	5.80	4.65
China	--	--	6.20	--	--	--
Colombia	5.37	5.18	4.06	--	--	--
Croatia	--	--	--	--	--	--
Dominican Republic	--	--	4.51	6.08	--	5.51
Egypt	--	--	--	--	--	--
France	5.08	3.61	5.33	5.53	5.76	5.67
Greece	--	7.10	5.90	6.36	--	--
Haiti	10.39	10.39	10.39	10.39	10.39	10.39
India	--	5.49	4.97	5.47	7.16	4.65
Israel	--	--	--	--	--	--
Italy	4.75	5.98	4.99	4.69	4.99	--
Jamaica	5.37	5.71	5.29	6.08	6.22	--
Japan	5.35	5.96	6.55	6.33	7.31	6.27
Jordan	--	--	3.99	--	--	--
Kuwait	--	--	4.92	--	--	--
Lithuania	--	--	4.50	4.50	--	--
Malaysia	--	--	5.79	--	5.79	--
Malta	5.39	5.32	3.76	--	--	--
Mexico	4.88	4.08	4.53	4.37	5.80	6.18
Netherlands	4.51	4.87	4.78	5.98	4.79	6.55
Pakistan	5.40	3.13	5.44	3.92	6.22	5.58
Panama	8.26	--	7.62	--	6.22	--
Poland	5.40	2.48	5.72	5.88	5.18	6.03
Portugal	4.84	--	5.16	4.78	--	5.54
Singapore	--	--	5.25	6.60	--	5.58
South Korea	5.37	5.19	4.76	5.94	5.71	4.98
Spain	5.33	6.10	5.39	5.39	6.08	4.86
Taiwan	3.65	5.02	5.17	6.60	5.71	3.94
Thailand	5.37	--	6.12	--	--	--
Turkey	5.15	5.31	5.13	5.57	4.78	3.57
United Arab Emirates	--	--	3.99	--	--	--
United Kingdom	5.34	5.82	5.33	5.50	5.45	5.23
By Truck						
Canada	--	7.70	9.35	--	6.84	10.29
Mexico	8.93	8.94	9.13	9.43	10.07	9.41
Total LNG Exports	5.04	5.40	5.20	5.55	5.84	5.31
CNG						
Canada	3.20	7.20	3.98	6.15	3.54	2.18
Total CNG Exports	3.20	7.20	3.98	6.15	3.54	2.18
Total Exports	3.48	3.73	3.64	3.89	4.03	3.55

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

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		
	March	February	January
Exports			
Average Price (dollars per thousand cubic feet)			
Pipeline			
Canada	3.49	3.38	3.89
Mexico	2.77	3.03	3.42
Total Pipeline Exports	3.04	3.17	3.60
LNG			
Exports			
By Vessel			
Argentina	--	--	--
Bahamas	10.39	10.39	10.39
Bangladesh	--	--	--
Barbados	10.39	10.39	10.39
Belgium	6.72	--	--
Brazil	3.41	6.64	--
Canada	--	--	--
Chile	3.41	4.35	--
China	--	4.97	7.47
Colombia	3.41	--	4.35
Croatia	--	--	--
Dominican Republic	--	3.52	--
Egypt	--	--	--
France	5.24	--	3.94
Greece	--	6.84	--
Haiti	--	--	--
India	3.67	5.53	6.60
Israel	--	--	--
Italy	5.20	4.72	6.00
Jamaica	6.52	--	--
Japan	8.00	7.98	7.37
Jordan	--	3.52	--
Kuwait	--	--	--
Lithuania	--	--	--
Malaysia	--	--	--
Malta	--	--	--
Mexico	3.41	5.06	4.63
Netherlands	5.30	3.81	--
Pakistan	6.64	3.52	--
Panama	8.13	6.84	--
Poland	3.41	--	7.00
Portugal	--	3.97	6.39
Singapore	5.86	3.52	--
South Korea	3.41	4.12	4.63
Spain	4.88	5.05	8.11
Taiwan	--	--	--
Thailand	--	--	--
Turkey	--	6.64	5.33
United Arab Emirates	--	--	--
United Kingdom	5.15	3.52	5.40
By Truck			
Canada	--	8.93	--
Mexico	9.92	9.17	9.58
Total LNG Exports	4.84	5.06	5.89
CNG			
Canada	5.11	7.70	10.05
Total CNG Exports	5.11	7.70	10.05
Total Exports	3.68	3.76	4.39

E Estimated data.

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	£12,830	£165,657	£12,623	£263,863	£3,564	£186,492	£89,313	£200,302
November	292,350	RE39,388	£12,714	£159,832	RE10,865	RE267,513	RE3,418	RE180,321	RE87,059	RE196,183
December	325,407	RE40,152	RE12,685	RE162,394	RE12,776	RE277,463	RE3,491	RE179,724	RE87,289	RE207,892
Total	3,429,259	RE485,401	RE168,264	RE2,011,160	RE157,969	RE3,189,041	RE42,029	RE2,051,039	RE984,146	RE2,408,345
2021										
January	317,223	£39,899	£12,043	£160,209	£12,625	£272,425	£3,595	£183,203	£86,200	£206,647

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	E263,734	E607,697	E921,141	E21,856	E205,973	E129,695	E37,032	E86,292	E3,589,935
February	E243,139	E579,980	E858,766	E20,472	E197,173	E114,080	E34,383	E79,779	E3,342,042
March	E257,387	E616,101	E926,457	E21,805	E207,724	E123,255	E36,145	E86,221	E3,561,468
April	E235,642	E599,921	E860,433	E20,462	E202,046	E118,007	E30,059	E79,010	E3,372,112
May	E217,154	E598,263	E816,636	E19,555	E213,671	E113,117	E34,580	E64,464	E3,298,160
June	E222,324	E569,002	E816,190	E19,317	E215,274	E110,228	E33,696	E61,826	E3,224,821
July	E226,843	E614,943	E853,383	E20,241	E222,115	E114,460	E34,981	E68,578	E3,383,178
August	E226,344	E630,016	E877,821	E19,713	E224,409	E112,459	E33,694	E44,206	E3,387,632
September	E222,010	E582,197	E830,886	E19,027	E218,495	E109,617	E32,362	E48,319	E3,273,072
October	E219,403	E616,334	E846,771	E19,777	E225,807	E109,820	E34,537	E37,767	E3,379,816
November	RE224,327	RE619,815	RE832,033	RE18,991	RE224,659	RE109,488	RE33,118	RE58,998	RE3,371,073
December	RE227,993	RE655,632	RE852,615	RE19,144	E234,956	RE110,706	RE33,978	RE65,241	RE3,509,539
Total	RE2,786,301	RE7,289,902	RE10,293,13	RE240,362	RE2,592,301	RE1,374,932	RE408,565	RE780,701	RE40,692,849
2021									
January	E224,024	E657,682	E863,070	E19,193	E231,186	E113,018	E33,802	E69,426	E3,505,470

^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	£12,830	£165,226	£12,623	£263,309	£3,189	£179,908	£71,638	£200,302
November	29,575	RE39,388	£12,714	£159,417	RE10,865	RE266,951	RE3,059	RE173,956	RE69,830	RE196,183
December	31,161	RE40,152	RE12,685	RE161,972	RE12,776	RE276,881	RE3,123	RE173,380	RE70,015	RE207,892
Total	338,329	RE485,401	RE168,264	RE2,005,931	RE157,969	RE3,182,344	RE37,603	RE1,978,638	RE789,384	RE2,408,345
2021										
January	31,632	£39,899	£12,043	£159,793	£12,625	£271,853	£3,216	£176,736	£69,141	£206,647

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	E263,734	E607,697	E827,368	E21,856	E205,973	E122,406	E36,673	E84,739	E3,181,514
February	E243,139	E579,980	E771,344	E20,472	E197,173	E107,668	E34,050	E78,343	E2,958,634
March	E257,387	E616,101	E832,144	E21,805	E207,724	E116,328	E35,794	E84,669	E3,166,123
April	E235,642	E599,921	E772,841	E20,462	E202,046	E111,375	E29,768	E77,588	E3,001,855
May	E217,154	E598,263	E733,502	E19,555	E213,671	E106,760	E34,244	E63,304	E2,933,650
June	E222,324	E569,002	E733,102	E19,317	E215,274	E104,033	E33,369	E60,713	E2,876,248
July	E226,843	E614,943	E766,509	E20,241	E222,115	E108,027	E34,642	E67,343	E3,023,452
August	E226,344	E630,016	E788,459	E19,713	E224,409	E106,139	E33,367	E43,410	E3,036,773
September	E222,010	E582,197	E746,302	E19,027	E218,495	E103,457	E32,048	E47,449	E2,914,169
October	E219,403	E616,334	E760,569	E19,777	E225,807	E103,648	E34,202	E37,087	E2,995,948
November	RE224,327	RE619,815	RE747,332	RE18,991	RE224,659	RE103,334	E32,797	RE57,936	RE2,991,129
December	RE227,993	RE655,632	RE765,819	RE19,144	E234,956	RE104,485	RE33,648	RE64,067	RE3,095,780
Total	RE2,786,301	RE7,289,902	RE9,245,291	RE240,362	RE2,592,301	RE1,297,661	RE404,602	RE766,648	RE36,175,276
2021									
January	E224,024	E657,682	E775,209	E19,193	E231,186	E106,666	E33,474	E68,176	E3,099,196

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

Notes: For 2020 forward, state monthly marketed production is estimated from gross withdrawals using historical relationships between the two. Data for Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and Federal Offshore Gulf of Mexico are individually collected on the EIA-914 report. The "Other States" category comprises states/areas not individually collected on the EIA-914 report (Alabama, Arizona, Federal Offshore Pacific, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia). Before 2020, Federal Offshore Pacific is included in California. All data for Alaska are obtained directly from the state. Monthly preliminary state-level data for all states not collected individually on the EIA-914 report are available after the final annual reports for these series are collected and processed. Final annual data are generally available in the third quarter of the following year. The sum of individual states may not equal total U.S. volumes due to independent rounding.

Sources: 2016-2019: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2019*, Bureau of Safety and Environmental Enforcement (BSEE), IHS Markit, Enverus DrillingInfo, and BENTEK Energy. January 2020 through current month: Form EIA-914, *Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report*; and EIA computations.

Table 8. Underground natural gas storage – all operators, 2016-2021

(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^a	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^b
2016 Total^c	--	--	--	--	--	2,977	3,325	348
2017 Total^c	--	--	--	--	--	3,337	3,590	254
2018 Total^c	--	--	--	--	--	3,676	3,999	324
2019								
January	4,366	1,994	6,360	-147	-6.8	95	804	709
February	4,366	1,426	5,792	-246	-14.7	104	672	568
March	4,361	1,185	5,545	-205	-14.8	190	435	245
April	4,367	1,559	5,927	133	9.3	486	104	-382
May	4,372	2,031	6,403	184	9.9	557	85	-472
June	4,375	2,461	6,835	266	12.1	523	92	-431
July	4,374	2,714	7,089	333	14.0	416	162	-254
August	4,377	2,998	7,374	381	14.6	453	168	-286
September	4,378	3,415	7,793	465	15.7	529	109	-419
October	4,379	3,762	8,141	526	16.2	461	116	-346
November	4,380	3,610	7,990	580	19.1	201	351	150
December	4,380	3,188	7,568	480	17.7	138	556	418
Total	--	--	--	--	--	4,153	3,653	-500
2020								
January	4,380	2,616	6,997	622	31.2	94	665	571
February	4,379	2,081	6,460	655	45.9	99	634	535
March	4,379	2,030	6,409	845	71.3	236	285	49
April	4,384	2,333	6,717	773	49.6	437	131	-306
May	4,387	2,778	7,165	747	36.8	522	74	-448
June	4,389	3,133	7,523	672	27.3	443	85	-358
July	4,390	3,294	7,684	579	21.3	312	151	-161
August	4,390	3,522	7,912	524	17.5	401	174	-227
September	4,389	3,840	8,229	425	12.4	450	126	-323
October	4,393	3,929	8,321	166	4.4	283	191	-92
November	4,394	3,932	8,325	322	8.9	218	214	-4
December	4,394	3,341	7,735	153	4.8	94	681	587
Total	--	--	--	--	--	3,590	3,412	-178
2021								
January	4,394	2,635	7,029	19	0.7	76	783	707

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

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

^c Total as of December 31.

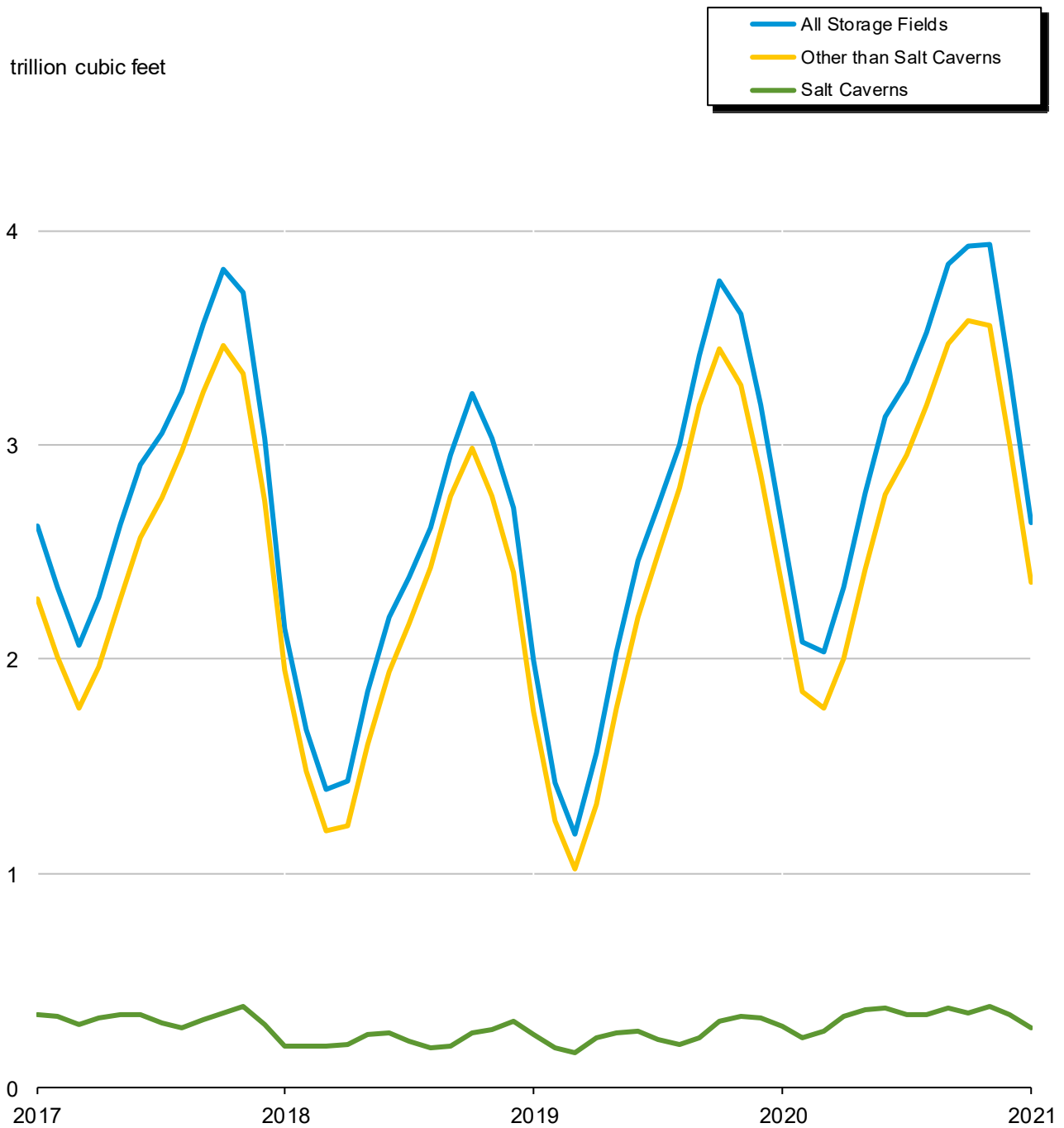
-- Not applicable.

Notes: Data for 2016 through 2018 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding.

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

Figure 5. Working gas in underground natural gas storage in the United States, 2017-2021

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 Heating Season								
November	4,356	3,030	7,386	-679	-18.3	213	418	205
December	4,361	2,708	7,069	-324	-10.7	191	511	320
January	4,366	1,994	6,360	-147	-6.8	95	804	709
February	4,366	1,426	5,792	-246	-14.7	104	672	568
March	4,361	1,185	5,545	-205	-14.8	190	435	245
Total	--	--	--	--	--	793	2,840	2,047
2019 Refill Season								
April	4,367	1,559	5,927	133	9.3	486	104	-382
May	4,372	2,031	6,403	184	9.9	557	85	-472
June	4,375	2,461	6,835	266	12.1	523	92	-431
July	4,374	2,714	7,089	333	14.0	416	162	-254
August	4,377	2,998	7,374	381	14.6	453	168	-286
September	4,378	3,415	7,793	465	15.7	529	109	-419
October	4,379	3,762	8,141	526	16.2	461	116	-346
Total	--	--	--	--	--	3,424	834	-2,590
2020 Heating Season								
November	4,380	3,610	7,990	580	19.1	201	351	150
December	4,380	3,188	7,568	480	17.7	138	556	418
January	4,380	2,616	6,997	622	31.2	94	665	571
February	4,379	2,081	6,460	655	45.9	99	634	535
March	4,379	2,030	6,409	845	71.3	236	285	49
Total	--	--	--	--	--	769	2,492	1,723
2020 Refill Season								
April	4,384	2,333	6,717	773	49.6	437	131	-306
May	4,387	2,778	7,165	747	36.8	522	74	-448
June	4,389	3,133	7,523	672	27.3	443	85	-358
July	4,390	3,294	7,684	579	21.3	312	151	-161
August	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

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

– Not applicable.

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

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

Table 10. Underground natural gas storage – salt cavern storage fields, 2016-2021
(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
2016 Total^b	--	--	--	--	--	593	624	32
2017 Total^b	--	--	--	--	--	701	752	50
2018 Total^b	--	--	--	--	--	811	808	-4
2019								
January	196	243	439	51	26.5	45	108	62
February	195	183	377	-13	-6.6	42	104	62
March	193	164	357	-28	-14.5	68	87	19
April	197	234	431	32	15.7	109	36	-73
May	198	258	456	9	3.8	75	51	-25
June	199	262	461	7	2.8	60	55	-4
July	198	227	425	13	6.3	51	86	35
August	199	200	399	13	7.1	52	78	26
September	199	232	431	42	22.1	78	46	-31
October	199	310	509	55	21.8	119	42	-77
November	199	328	527	58	21.4	77	59	-19
December	199	327	526	22	7.3	62	62	1
Total	--	--	--	--	--	839	815	-24
2020								
January	199	283	482	40	16.4	42	87	44
February	199	231	430	48	26.5	38	90	52
March	200	263	463	99	60.0	75	41	-34
April	202	333	535	99	42.3	102	31	-70
May	202	359	562	101	39.2	65	38	-26
June	202	368	570	105	40.2	54	45	-8
July	202	339	542	112	49.5	37	66	29
August	202	339	541	138	69.1	55	56	1
September	202	370	572	138	59.4	81	48	-33
October	201	351	553	41	13.4	54	73	19
November	201	376	577	48	14.6	65	40	-25
December	201	337	538	10	3.0	48	86	38
Total	--	--	--	--	--	715	701	-14
2021								
January	202	279	480	-4	-1.5	42	101	59

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

^b Total as of December 31.

-- Not applicable.

Notes: Data for 2016 through 2018 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding.

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

Table 11. Underground natural gas storage – storage fields other than salt caverns, 2016-2021
(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
2016 Total^b	--	--	--	--	--	2,384	2,700	316
2017 Total^b	--	--	--	--	--	2,635	2,839	203
2018 Total^b	--	--	--	--	--	2,864	3,192	327
2019								
January	4,170	1,751	5,921	-198	-10.1	50	696	646
February	4,171	1,244	5,415	-233	-15.8	62	568	506
March	4,167	1,021	5,188	-178	-14.8	122	348	226
April	4,171	1,325	5,496	101	8.2	376	67	-309
May	4,174	1,773	5,947	174	10.9	481	34	-447
June	4,176	2,199	6,375	258	13.3	463	37	-427
July	4,176	2,487	6,663	319	14.7	364	75	-289
August	4,178	2,798	6,975	368	15.1	402	90	-312
September	4,179	3,183	7,362	423	15.3	451	63	-388
October	4,180	3,452	7,632	470	15.8	342	74	-269
November	4,181	3,282	7,463	522	18.9	124	292	168
December	4,181	2,861	7,042	458	19.0	76	494	418
Total	--	--	--	--	--	3,314	2,838	-476
2020								
January	4,181	2,333	6,515	583	33.3	52	578	526
February	4,180	1,850	6,030	606	48.8	61	545	483
March	4,179	1,767	5,946	746	73.1	161	245	84
April	4,182	1,999	6,181	674	50.9	335	99	-236
May	4,184	2,419	6,603	646	36.4	457	36	-422
June	4,187	2,765	6,952	567	25.8	389	39	-349
July	4,188	2,954	7,142	467	18.8	275	85	-190
August	4,187	3,184	7,371	386	13.8	346	118	-229
September	4,187	3,470	7,657	287	9.0	369	78	-290
October	4,191	3,577	7,769	125	3.6	229	118	-112
November	4,193	3,556	7,748	274	8.3	153	174	21
December	4,193	3,004	7,197	143	5.0	46	596	549
Total	--	--	--	--	--	2,875	2,711	-164
2021								
January	4,193	2,356	6,549	23	1.0	34	682	648

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

State	2021			2020		
	January	Total	December	November	October	September
Alabama	2,591	-1,740	2,532	-528	1,436	-3,260
Alaska ^a	1,611	4,330	1,601	1,493	-219	-1,734
Arkansas	1,208	-35	1,019	505	-162	-599
California	17,158	-38,314	28,116	4,522	-4,004	-10,674
Colorado	11,570	-3,981	9,004	-4,096	3,066	-6,359
Illinois	59,429	-3,947	45,251	-4,152	-38,409	-40,475
Indiana	6,498	506	3,993	-832	-2,910	-3,960
Iowa	19,762	-9,470	19,832	-4,156	-13,421	-14,935
Kansas	18,141	-3,274	8,039	-2,237	4,761	-12,894
Kentucky	19,217	-143	16,377	5,202	-822	-7,890
Louisiana	61,714	-23,836	43,071	-9,396	5,951	-21,814
Maryland	639	157	2,284	-968	-623	-1,600
Michigan	120,019	-22,157	103,950	10,280	-5,190	-50,877
Minnesota	155	51	163	-118	-228	-203
Mississippi	27,082	-569	24,569	-3,659	3,455	-11,991
Missouri	21	314	-120	-784	365	-29
Montana	7,243	-7,211	7,020	3,420	-1,911	-4,844
Nebraska	2,631	135	2,851	-36	-644	-1,093
New Mexico	2,692	-5,680	759	-604	-1,665	-1,008
New York	23,290	-317	18,349	2,928	-8,027	-9,947
Ohio	49,454	-10,198	35,053	1,241	-15,732	-21,735
Oklahoma	37,092	8,690	37,091	1,470	949	-14,440
Oregon	4,348	205	3,636	-1,004	648	128
Pennsylvania	84,848	7,422	58,158	3,070	-21,162	-35,932
Tennessee	23	-57	23	2	-50	0
Texas	63,252	-51,225	40,026	-17,889	13,464	-18,300
Utah	9,163	-1,753	14,314	2,324	-697	-3,821
Virginia	281	629	554	-376	-113	-59
Washington	1,286	723	1,944	322	2,020	-1,275
West Virginia	47,695	-5,911	50,513	8,073	-8,676	-18,786
Wyoming	6,957	-11,342	7,281	2,177	-3,846	-3,015
Regions						
East Region	206,207	-8,217	164,912	13,968	-54,334	-88,058
South Central Region	211,080	-71,989	156,346	-31,733	29,853	-83,297
Midwest Region	225,123	-34,903	189,469	5,441	-60,665	-118,369
Mountain Region	40,256	-29,832	41,229	3,184	-5,697	-20,140
Pacific Region	22,792	-37,386	33,696	3,840	-1,335	-11,821
Total Lower 48 States	705,458	-182,327	585,653	-5,300	-92,178	-321,686
U.S. Total	707,069	-177,997	587,253	-3,807	-92,397	-323,420

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

(million cubic feet) – continued

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

* Volume is less than 500 Mcf.

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

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

Table 13. Activities of underground natural gas storage operators, by state, January 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	20,491	30,941	-414	-2.0	888	3,479
Alaska ^a	5	83,592	67,915	14,197	26,688	40,885	-1,444	-5.1	415	2,026
Arkansas	2	21,972	8,894	13,078	2,124	15,202	-237	-10.1	28	1,235
California	14	604,048	373,966	230,115	230,831	460,947	51,741	28.9	5,106	22,264
Colorado	10	141,407	72,754	61,093	39,225	100,318	1,199	3.2	2,057	13,627
Illinois	28	1,014,401	303,613	712,818	155,627	868,446	-3,539	-2.2	634	60,064
Indiana	23	112,987	32,109	80,879	17,452	98,331	-2,725	-13.5	*	6,498
Iowa	4	288,210	90,313	197,881	39,244	237,125	3,774	10.6	1	19,763
Kansas	16	282,986	122,982	163,805	76,623	240,428	4,612	6.4	1,572	19,714
Kentucky	22	221,695	107,596	112,759	60,686	173,445	-12,071	-16.6	263	19,480
Louisiana	19	747,223	450,992	289,240	298,613	587,852	3,463	1.2	24,468	86,181
Maryland	1	64,000	18,300	45,677	13,342	59,019	813	6.5	874	1,513
Michigan	44	1,071,608	683,820	386,911	413,850	800,762	-10,396	-2.5	990	121,009
Minnesota	1	7,000	2,000	4,848	1,832	6,680	10	0.6	0	155
Mississippi	11	331,129	201,994	121,241	94,209	215,450	-12,596	-11.8	11,953	39,035
Missouri	1	13,845	3,656	10,189	2,366	12,555	-44	-1.8	*	21
Montana	4	376,225	197,477	181,209	14,071	195,280	5,451	63.2	4	7,247
Nebraska	1	34,850	12,653	22,197	6,530	28,727	-290	-4.3	0	2,631
New Mexico	2	89,100	59,738	29,362	38,174	67,537	4,209	12.4	1,235	3,927
New York	26	245,779	127,487	115,220	69,390	184,610	-6,062	-8.0	347	23,636
Ohio	24	575,109	253,750	326,264	104,087	430,351	-7,982	-7.1	426	49,880
Oklahoma	12	372,390	195,582	173,795	86,495	260,290	-12,721	-12.8	1,426	38,518
Oregon	8	34,929	20,020	14,909	10,647	25,556	-2,872	-21.2	0	4,348
Pennsylvania	49	763,296	427,601	336,126	242,998	579,124	-29,384	-10.8	2,757	87,605
Tennessee	2	2,400	1,800	878	1,324	2,202	80	6.4	0	23
Texas	35	847,640	544,435	297,730	366,023	663,753	27,919	8.3	16,109	79,360
Utah	3	124,509	54,942	69,508	26,620	96,128	1,610	6.4	112	9,275
Virginia	2	8,960	4,930	4,030	4,048	8,078	-368	-8.3	829	1,110
Washington	1	46,900	24,600	22,300	17,962	40,262	671	3.9	2,486	3,772
West Virginia	31	531,706	268,803	264,854	123,150	388,004	8,485	7.4	671	48,366
Wyoming	9	155,995	74,297	80,658	30,243	110,901	7,687	34.1	173	7,130
Regions										
East Region	133	2,188,849	1,100,871	1,092,172	557,015	1,649,187	-34,498	-5.8	5,903	212,110
South Central Region	97	2,646,940	1,558,029	1,069,339	944,577	2,013,916	10,026	1.1	56,443	267,523
Midwest Region	125	2,732,146	1,224,906	1,507,164	692,381	2,199,545	-24,911	-3.5	1,889	227,012
Mountain Region	29	922,086	471,861	444,028	154,862	598,890	19,866	14.7	3,581	43,838
Pacific Region	23	685,877	418,586	267,324	259,441	526,765	49,540	23.6	7,593	30,385
Total Lower 48 States	407	9,175,899	4,774,253	4,380,026	2,608,277	6,988,303	20,022	0.8	75,409	780,867
U.S. Total	412	9,259,491	4,842,168	4,394,223	2,634,964	7,029,187	18,579	0.7	75,824	782,893

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

* Volume is less than 500 Mcf.

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
	January	Total	December	November	October	September	
Alabama	7,100	27,719	4,771	2,505	1,097	794	
Alaska	2,645	21,022	2,686	2,604	1,675	886	
Arizona	8,243	40,884	5,886	3,012	1,670	1,252	
Arkansas	7,081	31,070	5,792	2,587	1,159	628	
California	68,743	NA	67,509	45,650	23,145	19,004	
Colorado	23,277	135,263	23,247	15,888	10,233	4,247	
Connecticut	9,778	NA	7,963	NA	2,458	1,148	
Delaware	2,417	NA	1,925	846	338	201	
District of Columbia	2,164	10,877	2,095	956	351	262	
Florida	NA	NA	2,155	1,343	1,067	904	
Georgia	24,862	119,873	22,744	10,773	5,501	4,335	
Hawaii	57	603	53	45	48	46	
Idaho	5,196	29,932	5,445	4,177	1,857	799	
Illinois	71,843	395,124	64,329	36,411	24,255	9,032	
Indiana	25,252	132,367	23,947	12,580	7,593	2,947	
Iowa	11,708	NA	10,757	5,950	4,149	1,548	
Kansas	12,113	61,149	10,336	5,823	4,260	1,383	
Kentucky	10,027	45,666	9,307	4,382	2,083	891	
Louisiana	6,905	NA	6,158	3,064	1,980	1,523	
Maine	562	NA	424	272	NA	67	
Maryland	15,743	74,376	12,125	6,661	3,248	1,771	
Massachusetts	21,513	NA	18,904	NA	NA	2,942	
Michigan	56,202	312,321	50,083	30,281	22,202	8,318	
Minnesota	22,732	NA	20,224	14,167	9,621	3,428	
Mississippi	NA	NA	4,267	2,126	902	589	
Missouri	21,174	99,411	18,630	9,766	3,876	2,097	
Montana	3,332	NA	3,173	2,327	NA	467	
Nebraska	6,734	37,445	6,090	3,423	1,595	835	
Nevada	8,202	45,919	7,207	4,009	2,046	1,533	
New Hampshire	1,432	6,890	1,238	484	221	183	
New Jersey	44,224	221,609	38,106	19,768	8,861	5,312	
New Mexico	7,322	NA	7,031	3,565	1,740	1,168	
New York	79,057	429,989	70,585	39,102	17,381	11,244	
North Carolina	16,746	NA	14,724	6,050	2,046	1,411	
North Dakota	2,102	12,471	1,907	1,433	564	249	
Ohio	52,418	272,704	47,909	25,958	12,499	5,754	
Oklahoma	12,955	59,329	11,620	5,636	1,769	1,455	
Oregon	7,040	45,509	7,264	6,043	2,910	1,156	
Pennsylvania	46,470	218,091	38,219	18,947	9,673	4,534	
Rhode Island	3,604	17,900	3,112	1,728	535	453	
South Carolina	7,309	28,305	6,567	2,231	904	628	
South Dakota	2,154	12,924	2,076	1,234	640	270	
Tennessee	16,162	NA	14,282	5,676	2,161	1,287	
Texas	38,953	NA	39,667	16,177	NA	6,453	
Utah	12,301	NA	14,162	5,752	2,418	1,896	
Vermont	651	3,637	521	319	149	103	
Virginia	16,962	NA	14,520	5,991	3,175	1,782	
Washington	NA	NA	12,924	11,118	6,446	2,303	
West Virginia	4,954	22,609	3,904	2,085	1,072	500	
Wisconsin	24,372	135,930	22,161	12,233	10,400	3,167	
Wyoming	2,559	13,401	2,151	1,533	568	290	
Total	876,144	4,648,266	792,881	439,021	240,412	125,476	

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020					
	August	July	June	May	April	March
Alabama	687	713	817	1,204	1,640	2,607
Alaska	548	498	611	924	1,577	2,611
Arizona	1,139	1,328	1,559	1,939	3,110	4,675
Arkansas	518	588	664	1,463	2,028	4,386
California	19,821	22,572	22,897	27,770	NA	52,770
Colorado	2,892	2,804	3,466	5,252	12,253	12,625
Connecticut	1,047	1,213	1,596	2,637	4,839	5,798
Delaware	166	189	238	556	NA	NA
District of Columbia	230	260	304	581	907	1,187
Florida	918	936	NA	NA	1,473	NA
Georgia	4,023	3,949	4,296	5,775	7,420	10,679
Hawaii	50	51	50	50	57	51
Idaho	597	597	892	1,283	2,087	3,142
Illinois	7,695	7,541	9,771	20,180	33,320	46,335
Indiana	2,218	2,174	2,528	6,012	9,814	15,588
Iowa	1,110	NA	1,385	2,587	5,168	7,324
Kansas	1,064	1,193	1,213	2,120	4,535	6,586
Kentucky	720	765	829	1,806	3,207	4,690
Louisiana	1,220	1,393	1,375	1,654	2,018	3,008
Maine	53	54	72	164	283	371
Maryland	1,358	1,871	2,027	3,863	5,885	8,223
Massachusetts	2,046	2,812	3,193	5,903	11,752	14,352
Michigan	5,472	5,546	6,492	16,489	26,901	36,788
Minnesota	2,700	2,590	NA	5,198	9,816	15,291
Mississippi	582	607	666	738	NA	2,179
Missouri	1,833	1,770	1,957	3,746	6,250	10,409
Montana	406	548	773	1,267	1,732	2,684
Nebraska	755	826	1,076	1,632	2,978	4,589
Nevada	1,316	1,584	1,963	2,327	3,572	5,342
New Hampshire	138	160	156	327	646	867
New Jersey	4,567	6,385	6,631	12,651	20,542	24,118
New Mexico	1,001	1,078	1,050	1,230	2,454	4,766
New York	10,195	11,144	13,001	25,913	40,428	52,224
North Carolina	1,095	NA	NA	2,629	3,484	5,725
North Dakota	210	190	233	512	1,125	1,578
Ohio	5,151	4,802	5,955	15,432	23,477	32,235
Oklahoma	1,249	1,186	1,316	2,269	4,279	6,060
Oregon	1,000	1,170	1,575	2,165	3,288	5,856
Pennsylvania	3,933	3,759	5,656	12,797	19,820	25,257
Rhode Island	424	424	431	871	1,824	2,202
South Carolina	481	522	690	1,142	1,405	2,684
South Dakota	208	210	289	543	1,225	1,521
Tennessee	1,156	1,173	1,518	NA	4,016	NA
Texas	6,428	6,835	7,010	8,322	10,547	18,708
Utah	1,719	2,115	2,865	2,820	NA	6,919
Vermont	78	85	122	238	368	419
Virginia	1,592	1,744	1,945	NA	4,927	7,297
Washington	1,994	2,345	2,786	3,901	6,508	NA
West Virginia	315	322	669	940	1,931	2,660
Wisconsin	2,522	2,469	2,794	6,361	12,160	16,225
Wyoming	199	248	397	747	1,403	1,749
Total	108,838	117,405	135,813	235,016	375,432	524,858

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020		Total	2019		
	February	January		December	November	October
Alabama	5,259	5,624	30,616	5,044	2,825	980
Alaska	2,749	3,653	17,951	2,685	1,978	1,447
Arizona	6,891	8,425	42,085	5,947	2,994	1,800
Arkansas	5,061	6,195	33,718	5,438	4,256	921
California	52,704	70,232	464,672	60,983	43,975	25,563
Colorado	20,685	21,671	142,692	22,258	17,685	10,443
Connecticut	8,293	8,341	52,228	8,492	6,140	1,974
Delaware	NA	2,044	11,643	1,986	1,266	288
District of Columbia	1,806	1,939	12,065	2,251	1,481	246
Florida	2,136	NA	16,565	1,952	1,190	936
Georgia	19,285	21,093	123,249	18,521	14,859	5,453
Hawaii	49	54	576	46	42	45
Idaho	4,434	4,622	30,803	4,861	4,169	2,818
Illinois	66,414	69,840	438,021	59,858	56,523	21,239
Indiana	23,335	23,630	142,806	20,252	18,942	6,698
Iowa	11,019	12,423	71,385	9,970	8,180	4,263
Kansas	10,360	12,275	68,123	10,077	8,053	3,903
Kentucky	8,417	8,570	48,777	7,953	6,904	1,835
Louisiana	4,811	NA	36,019	5,277	4,123	1,507
Maine	461	498	3,134	467	354	141
Maryland	12,064	15,280	81,845	13,510	9,799	2,203
Massachusetts	17,420	19,335	135,116	22,166	14,991	4,918
Michigan	51,991	51,756	332,254	46,084	43,458	18,571
Minnesota	NA	NA	144,577	22,261	17,333	8,285
Mississippi	3,769	4,078	22,118	3,723	3,231	796
Missouri	18,401	20,675	110,611	17,007	14,237	5,498
Montana	3,085	3,467	23,932	3,279	2,953	1,328
Nebraska	6,055	7,590	41,639	5,822	5,380	1,597
Nevada	6,716	8,302	47,931	7,356	3,862	2,427
New Hampshire	1,192	1,276	8,034	1,396	626	253
New Jersey	30,994	43,677	239,055	39,094	28,230	8,747
New Mexico	NA	6,921	42,384	7,222	5,034	2,112
New York	65,690	73,083	473,617	71,422	52,629	17,557
North Carolina	10,617	12,931	67,948	12,688	9,945	1,766
North Dakota	2,016	2,455	13,124	2,004	1,542	600
Ohio	47,512	46,020	290,080	44,442	36,355	12,187
Oklahoma	10,926	11,564	67,890	10,706	8,608	1,624
Oregon	6,263	6,819	47,927	7,047	5,687	4,322
Pennsylvania	35,859	39,637	236,631	38,989	23,738	7,970
Rhode Island	2,775	3,119	19,892	3,130	2,399	933
South Carolina	5,217	5,835	28,871	5,509	3,863	719
South Dakota	2,142	2,567	14,809	1,976	1,703	765
Tennessee	12,708	12,769	68,686	11,788	10,191	1,692
Texas	34,257	38,096	228,129	31,828	24,293	7,328
Utah	10,782	12,308	75,938	13,171	8,205	3,612
Vermont	610	624	4,139	578	422	140
Virginia	11,519	14,028	81,831	13,627	8,690	2,260
Washington	10,967	13,006	89,967	12,890	11,277	8,230
West Virginia	3,987	4,223	23,850	3,758	3,172	1,089
Wisconsin	22,530	22,909	151,591	21,241	19,034	9,004
Wyoming	2,049	2,067	14,057	2,074	1,847	590
Total	732,603	820,510	5,015,603	752,105	588,674	231,622

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

State	2019		
	March	February	January
Alabama	3,973	3,793	7,973
Alaska	2,125	2,265	2,803
Arizona	5,638	7,428	8,471
Arkansas	5,714	5,127	6,631
California	51,706	74,192	67,257
Colorado	19,642	20,865	23,587
Connecticut	7,201	8,189	9,800
Delaware	1,730	2,084	2,515
District of Columbia	1,651	2,150	2,101
Florida	1,678	2,169	2,451
Georgia	14,618	15,173	24,577
Hawaii	55	51	58
Idaho	3,527	4,695	4,980
Illinois	60,875	71,860	85,556
Indiana	20,903	23,480	29,860
Iowa	10,039	12,610	14,277
Kansas	9,360	12,915	14,024
Kentucky	7,153	7,556	10,700
Louisiana	4,242	4,907	7,279
Maine	423	511	566
Maryland	11,782	14,653	16,821
Massachusetts	19,439	20,379	25,429
Michigan	46,660	51,520	64,401
Minnesota	18,683	24,708	26,464
Mississippi	2,991	2,901	4,764
Missouri	15,499	19,790	23,133
Montana	3,332	4,742	3,575
Nebraska	6,194	7,792	7,568
Nevada	6,324	8,076	8,520
New Hampshire	1,130	1,338	1,639
New Jersey	34,457	38,557	44,555
New Mexico	4,615	6,616	8,222
New York	70,167	73,689	88,837
North Carolina	9,502	9,943	15,211
North Dakota	1,764	2,536	2,391
Ohio	43,223	47,362	57,776
Oklahoma	9,429	12,543	14,397
Oregon	5,943	7,977	7,302
Pennsylvania	35,444	40,218	50,391
Rhode Island	2,783	3,061	3,781
South Carolina	3,680	4,302	6,471
South Dakota	2,105	2,763	2,657
Tennessee	9,929	10,247	15,503
Texas	33,326	38,167	45,205
Utah	9,212	11,743	13,813
Vermont	573	680	758
Virginia	11,686	14,417	18,500
Washington	10,491	15,673	13,304
West Virginia	3,842	3,677	5,017
Wisconsin	19,697	24,516	29,084
Wyoming	1,986	2,116	2,215
Total	688,144	808,724	953,171

^R Revised data.

^{NA} Not available.

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

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

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

(million cubic feet)

State	2021			2020		
	January	Total	December	November	October	September
Alabama	4,007	22,764	3,209	2,663	1,612	1,138
Alaska	1,991	NA	2,116	1,898	1,336	749
Arizona	4,758	35,592	4,364	3,195	2,353	2,086
Arkansas	7,572	53,386	6,575	4,745	4,128	3,117
California	23,806	233,588	25,095	22,715	18,027	16,029
Colorado	9,265	56,710	9,217	6,327	4,288	1,959
Connecticut	8,445	NA	6,811	NA	NA	2,464
Delaware	2,256	NA	2,184	1,390	1,087	819
District of Columbia	2,076	NA	2,206	1,264	778	NA
Florida	NA	NA	5,691	5,151	4,527	NA
Georgia	9,316	51,098	8,558	4,438	2,708	2,231
Hawaii	148	1,730	156	126	128	118
Idaho	2,950	19,521	3,070	2,163	1,660	904
Illinois	34,001	213,663	29,312	19,063	15,551	8,370
Indiana	13,325	80,876	12,736	7,654	5,916	3,540
Iowa	7,962	51,052	7,275	4,600	4,230	1,925
Kansas	6,226	38,253	5,012	3,297	2,866	1,624
Kentucky	6,644	33,314	5,918	3,028	1,909	1,156
Louisiana	3,597	NA	3,727	2,691	2,438	NA
Maine	NA	NA	1,231	831	NA	310
Maryland	9,288	85,961	8,945	5,574	4,331	3,672
Massachusetts	15,502	NA	14,024	9,154	6,402	3,977
Michigan	27,006	163,952	23,216	14,967	10,730	5,945
Minnesota	15,959	NA	14,233	10,917	7,660	3,180
Mississippi	3,404	NA	2,731	1,726	1,207	948
Missouri	10,751	60,009	8,914	5,415	3,276	2,344
Montana	3,377	NA	3,209	2,505	NA	1,058
Nebraska	4,817	32,306	4,613	2,959	1,896	1,197
Nevada	3,982	29,097	3,766	2,790	1,867	1,490
New Hampshire	1,712	8,466	1,503	622	308	268
New Jersey	24,074	138,421	21,790	12,312	6,829	5,393
New Mexico	4,351	NA	4,644	2,971	2,138	1,320
New York	42,096	283,446	40,415	26,304	16,009	12,987
North Carolina	9,312	NA	8,492	5,016	2,925	2,624
North Dakota	2,374	15,109	2,148	1,697	802	459
Ohio	29,099	162,676	26,053	15,089	8,192	4,791
Oklahoma	7,516	42,281	6,659	3,807	2,513	1,735
Oregon	4,050	28,337	4,084	3,422	1,945	948
Pennsylvania	27,414	146,505	23,807	12,943	7,905	5,445
Rhode Island	2,064	10,632	1,863	1,023	313	277
South Carolina	3,286	23,029	3,240	2,263	1,558	1,363
South Dakota	1,793	11,657	1,723	1,152	692	369
Tennessee	9,433	NA	8,931	5,385	3,042	2,404
Texas	24,489	NA	22,263	13,852	12,918	10,469
Utah	6,730	NA	7,719	3,355	1,679	1,340
Vermont	989	6,754	864	655	460	336
Virginia	10,973	63,114	9,891	5,345	4,459	3,113
Washington	NA	54,962	7,208	6,145	4,216	2,163
West Virginia	3,522	21,094	2,958	1,896	1,451	1,022
Wisconsin	15,655	89,654	12,777	8,649	7,045	3,174
Wyoming	2,219	12,521	1,852	1,407	665	401
Total	491,066	3,147,056	449,000	292,895	207,020	142,167

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020					
	August	July	June	May	April	March
Alabama	1,009	981	924	1,082	1,450	1,858
Alaska	560	470	NA	NA	NA	2,045
Arizona	2,036	2,139	2,121	1,845	2,410	3,655
Arkansas	2,851	2,925	2,801	3,271	3,765	5,710
California	15,098	14,758	13,627	14,029	15,147	25,859
Colorado	1,573	1,400	1,583	2,451	4,671	5,559
Connecticut	2,415	2,413	2,103	2,908	4,365	5,725
Delaware	753	740	658	808	NA	1,431
District of Columbia	612	652	615	681	1,085	1,449
Florida	4,101	4,031	4,104	NA	3,974	NA
Georgia	2,157	2,098	2,212	2,697	3,298	4,681
Hawaii	125	131	118	104	117	191
Idaho	726	735	788	869	1,220	1,993
Illinois	6,595	6,846	7,054	11,201	17,357	24,914
Indiana	2,487	2,387	2,398	3,408	5,170	8,787
Iowa	1,737	1,848	1,819	2,183	3,857	5,603
Kansas	1,741	1,859	1,782	1,851	3,074	3,998
Kentucky	926	879	844	1,388	2,238	3,564
Louisiana	1,970	NA	2,013	1,733	2,175	2,598
Maine	259	247	271	469	776	1,071
Maryland	2,815	2,765	3,365	3,891	5,044	6,820
Massachusetts	NA	4,076	3,218	4,903	8,855	10,792
Michigan	5,583	4,607	4,827	8,055	13,622	20,172
Minnesota	3,057	2,393	NA	4,315	7,130	11,816
Mississippi	937	887	880	963	NA	1,855
Missouri	2,141	1,979	2,265	2,726	4,024	6,350
Montana	941	912	1,394	1,720	2,062	2,779
Nebraska	1,257	1,231	1,369	1,557	2,471	3,620
Nevada	1,375	1,681	1,394	1,243	1,865	3,502
New Hampshire	191	215	187	367	742	1,055
New Jersey	4,568	5,434	8,013	6,375	11,103	14,351
New Mexico	1,084	997	990	914	1,352	2,971
New York	13,003	12,386	12,304	16,280	24,079	29,676
North Carolina	2,197	1,951	NA	2,355	2,997	4,416
North Dakota	410	327	332	677	1,306	1,901
Ohio	5,224	5,156	5,982	7,965	13,238	18,315
Oklahoma	1,522	1,534	1,536	1,890	2,765	4,271
Oregon	889	883	1,039	1,328	1,910	3,611
Pennsylvania	4,877	4,219	5,212	7,096	11,650	16,150
Rhode Island	239	241	261	474	1,045	1,295
South Carolina	1,033	1,232	1,279	1,279	1,411	1,924
South Dakota	317	312	318	522	1,012	1,277
Tennessee	2,289	2,229	2,218	NA	3,138	NA
Texas	10,064	10,309	NA	9,640	12,330	15,989
Utah	1,317	1,454	1,802	1,899	NA	4,255
Vermont	396	350	304	329	516	748
Virginia	2,955	2,946	2,693	3,627	4,754	5,417
Washington	2,112	2,153	2,466	2,819	3,921	6,571
West Virginia	922	844	1,009	1,057	1,562	2,274
Wisconsin	2,893	2,622	2,612	4,363	7,007	10,244
Wyoming	289	386	472	713	1,279	1,529
Total	130,731	128,275	131,603	161,109	236,913	337,078

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020			2019		
	February	January	Total	December	November	October
Alabama	3,268	3,569	24,875	3,198	2,442	1,672
Alaska	2,216	2,653	14,570	1,947	1,609	1,109
Arizona	4,362	5,026	34,687	4,183	3,122	2,378
Arkansas	6,267	7,231	55,100	6,384	5,745	3,691
California	25,321	27,883	255,981	25,534	26,624	20,971
Colorado	8,625	9,059	61,755	9,209	7,215	4,258
Connecticut	7,084	7,908	57,642	8,159	6,491	3,455
Delaware	NA	2,071	15,590	2,008	1,838	978
District of Columbia	1,912	2,244	16,125	2,317	1,791	688
Florida	6,084	NA	63,355	6,140	5,274	4,810
Georgia	7,606	8,414	53,611	7,271	6,049	2,777
Hawaii	196	219	2,608	214	193	215
Idaho	2,607	2,785	20,971	2,760	2,271	2,180
Illinois	33,402	33,996	247,280	32,173	29,815	14,889
Indiana	12,882	13,513	88,245	11,610	11,066	6,239
Iowa	7,713	8,263	57,985	7,608	7,535	4,271
Kansas	5,383	5,767	41,320	5,421	4,495	2,776
Kentucky	5,582	5,882	37,395	5,314	4,763	1,961
Louisiana	3,285	3,234	32,980	3,581	3,533	2,531
Maine	1,315	1,405	9,919	1,369	1,087	526
Maryland	8,687	10,052	76,349	10,497	8,573	3,817
Massachusetts	14,224	15,597	121,518	16,205	14,040	7,099
Michigan	25,569	26,658	181,825	24,076	20,007	10,427
Minnesota	NA	NA	113,428	16,690	12,956	6,791
Mississippi	2,666	2,842	19,935	2,658	2,394	1,352
Missouri	9,868	10,708	67,930	9,092	7,255	4,475
Montana	3,279	3,630	27,790	3,472	2,907	1,823
Nebraska	4,466	5,669	35,388	4,351	4,437	1,973
Nevada	3,766	4,356	35,190	4,326	3,249	2,583
New Hampshire	1,426	1,582	10,135	1,660	835	404
New Jersey	17,462	24,790	155,507	22,024	16,809	8,040
New Mexico	NA	4,108	29,661	4,870	3,640	2,618
New York	38,519	41,483	322,778	41,826	35,283	16,506
North Carolina	7,043	8,443	57,310	7,461	7,558	3,350
North Dakota	2,303	2,748	15,455	2,391	1,809	766
Ohio	26,044	26,626	177,428	24,590	20,364	9,152
Oklahoma	6,817	7,231	48,791	6,618	5,529	2,665
Oregon	4,011	4,270	32,379	4,263	3,626	2,768
Pennsylvania	22,509	24,692	161,624	23,289	16,088	7,752
Rhode Island	1,736	1,864	12,416	1,953	1,487	582
South Carolina	3,047	3,400	24,926	2,938	3,067	1,632
South Dakota	1,811	2,153	13,405	1,902	1,585	747
Tennessee	8,148	8,568	56,315	7,641	7,559	3,208
Texas	22,718	23,287	198,029	21,495	18,796	11,983
Utah	6,290	6,829	47,336	7,584	4,963	2,867
Vermont	828	967	7,341	972	800	450
Virginia	7,922	9,993	71,245	9,078	7,101	3,742
Washington	7,157	8,031	61,010	7,982	6,542	5,549
West Virginia	2,961	3,139	23,599	2,982	2,629	1,542
Wisconsin	13,918	14,349	101,576	13,521	12,133	6,319
Wyoming	1,758	1,770	12,996	1,796	1,630	624
Total	443,357	486,910	3,512,607	456,605	388,610	215,982

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019		
	March	February	January
Alabama	2,841	2,268	4,868
Alaska	1,334	2,134	2,111
Arizona	3,536	4,086	4,477
Arkansas	6,446	6,141	7,448
California	23,676	30,619	27,444
Colorado	8,339	8,613	9,638
Connecticut	6,830	7,205	8,623
Delaware	1,826	1,871	2,396
District of Columbia	1,936	2,169	2,456
Florida	5,823	5,810	6,628
Georgia	6,151	6,135	9,737
Hawaii	216	210	237
Idaho	2,223	2,812	3,007
Illinois	31,315	34,471	40,549
Indiana	11,740	12,754	16,162
Iowa	7,161	8,582	9,692
Kansas	4,785	6,332	6,460
Kentucky	4,947	5,227	6,937
Louisiana	3,205	2,899	4,457
Maine	1,254	1,438	1,644
Maryland	9,473	9,296	12,519
Massachusetts	14,714	16,787	20,316
Michigan	24,748	27,193	29,516
Minnesota	14,622	17,937	18,276
Mississippi	2,213	2,149	3,250
Missouri	8,697	10,638	11,989
Montana	3,529	4,368	3,595
Nebraska	4,460	5,760	5,527
Nevada	3,745	4,323	4,553
New Hampshire	1,386	1,581	1,975
New Jersey	19,670	22,350	24,878
New Mexico	2,726	3,551	4,514
New York	39,125	41,248	51,352
North Carolina	6,767	6,619	9,858
North Dakota	2,005	2,694	2,598
Ohio	24,505	25,548	32,716
Oklahoma	6,094	7,538	8,449
Oregon	3,916	4,890	4,455
Pennsylvania	21,399	23,331	31,861
Rhode Island	1,731	1,842	2,298
South Carolina	2,648	2,475	3,746
South Dakota	1,701	2,263	2,156
Tennessee	6,613	6,460	10,154
Texas	22,431	24,041	26,814
Utah	5,473	6,832	7,643
Vermont	820	911	1,142
Virginia	8,681	9,555	12,344
Washington	6,799	8,635	7,990
West Virginia	3,039	2,893	3,719
Wisconsin	13,039	14,753	16,963
Wyoming	1,697	1,834	1,923
Total	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		
	January	Total	December	November	October	September
Alabama	20,235	212,415	20,797	18,862	18,444	16,550
Alaska	1,437	15,983	1,422	1,315	1,577	1,299
Arizona	2,007	18,514	1,959	1,638	1,486	1,293
Arkansas	9,802	105,962	10,397	9,601	8,270	8,006
California	58,029	700,620	59,800	56,991	57,980	62,770
Colorado	9,169	84,643	9,238	7,971	7,057	5,749
Connecticut	2,572	NA	2,422	NA	NA	1,520
Delaware	4,334	NA	NA	3,185	3,082	2,641
District of Columbia	0	0	0	0	0	0
Florida	NA	NA	11,415	9,692	NA	NA
Georgia	15,002	152,877	15,049	13,932	12,077	12,236
Hawaii	6	80	7	6	7	6
Idaho	4,059	38,385	4,000	3,633	3,572	3,031
Illinois	28,470	NA	26,866	23,727	20,623	NA
Indiana	38,626	376,095	37,438	32,641	31,291	29,119
Iowa	21,934	NA	21,842	NA	20,451	18,387
Kansas	12,397	131,662	11,767	10,662	10,917	9,458
Kentucky	12,470	114,157	11,358	9,568	9,496	8,285
Louisiana	101,892	NA	104,597	96,851	NA	94,934
Maine	2,235	NA	2,141	1,926	1,756	NA
Maryland	3,112	NA	NA	2,126	1,780	1,719
Massachusetts	5,662	NA	5,117	NA	NA	2,584
Michigan	18,168	NA	16,629	NA	14,053	11,468
Minnesota	14,979	NA	14,316	12,873	11,126	NA
Mississippi	12,349	129,176	12,493	11,672	9,387	9,204
Missouri	6,797	62,652	6,411	5,608	5,400	4,590
Montana	2,426	24,589	2,291	2,341	2,288	1,745
Nebraska	8,678	NA	8,893	8,393	9,369	7,890
Nevada	1,587	NA	1,513	NA	1,856	1,872
New Hampshire	902	9,340	866	778	764	693
New Jersey	5,895	NA	6,155	5,628	4,609	5,238
New Mexico	1,465	NA	1,400	1,361	1,494	1,464
New York	8,690	86,249	8,528	7,790	7,114	6,095
North Carolina	12,051	115,522	11,594	9,674	9,802	8,663
North Dakota	3,933	NA	3,975	NA	3,159	3,029
Ohio	29,183	281,049	27,852	23,664	22,822	18,601
Oklahoma	20,335	NA	19,973	18,826	18,344	17,399
Oregon	5,427	56,245	5,339	4,932	4,709	4,030
Pennsylvania	20,391	211,483	20,559	18,482	17,684	14,970
Rhode Island	808	8,361	732	643	626	672
South Carolina	8,796	92,671	8,668	8,055	7,984	7,240
South Dakota	4,560	45,442	4,362	4,270	3,696	3,721
Tennessee	14,215	NA	13,597	11,580	12,559	11,683
Texas	176,680	1,889,671	178,466	165,270	162,032	151,632
Utah	3,889	NA	3,554	3,417	2,969	3,274
Vermont	238	2,228	214	185	168	162
Virginia	11,029	NA	10,575	6,859	8,930	NA
Washington	NA	NA	7,726	7,156	7,226	6,432
West Virginia	3,735	NA	3,582	3,163	3,036	2,833
Wisconsin	16,693	152,627	15,892	13,834	13,337	10,361
Wyoming	NA	NA	6,246	5,646	5,771	NA
Total	792,363	8,257,199	786,536	711,072	694,701	650,665

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020					
	August	July	June	May	April	March
Alabama	17,298	16,197	15,451	15,928	16,278	17,744
Alaska	1,313	1,211	1,226	1,230	1,199	1,288
Arizona	1,291	1,451	1,204	1,399	1,542	1,671
Arkansas	7,928	7,850	7,385	8,432	8,734	9,655
California	61,624	58,343	55,444	53,255	52,497	58,993
Colorado	5,052	4,956	5,411	5,829	6,979	8,194
Connecticut	1,653	1,693	1,511	1,615	1,970	2,125
Delaware	2,752	2,653	2,640	2,904	NA	3,424
District of Columbia	0	0	0	0	0	0
Florida	10,132	9,632	9,054	NA	10,604	NA
Georgia	12,813	12,103	11,201	11,745	11,929	11,762
Hawaii	6	7	6	6	6	8
Idaho	2,570	2,689	2,648	2,470	2,876	3,521
Illinois	17,620	18,160	16,825	18,062	19,349	24,155
Indiana	28,453	27,117	25,680	27,784	28,118	33,412
Iowa	18,264	18,121	16,293	18,408	18,533	22,095
Kansas	11,056	11,506	10,897	10,006	10,527	10,221
Kentucky	8,939	7,964	8,113	8,184	8,671	10,203
Louisiana	94,197	94,627	94,825	93,457	89,863	94,292
Maine	1,692	1,639	1,790	1,980	1,895	2,012
Maryland	NA	1,955	1,269	1,319	1,348	1,658
Massachusetts	2,463	2,532	2,365	3,173	4,243	4,713
Michigan	10,325	9,460	8,591	8,166	11,892	15,478
Minnesota	9,533	9,228	7,719	9,954	NA	14,087
Mississippi	9,795	10,548	9,984	9,933	10,439	11,234
Missouri	4,512	4,268	4,244	4,284	4,571	5,500
Montana	1,806	1,883	1,740	1,865	2,004	2,125
Nebraska	8,284	8,496	6,762	5,929	NA	8,088
Nevada	1,852	1,652	1,588	1,617	1,633	NA
New Hampshire	689	624	687	724	793	891
New Jersey	5,197	5,705	4,375	3,603	4,324	4,662
New Mexico	1,477	1,405	1,294	1,326	1,466	1,646
New York	5,860	6,249	5,722	5,794	7,004	8,125
North Carolina	8,857	8,306	8,427	8,735	8,914	10,433
North Dakota	3,331	3,143	3,204	2,626	3,103	3,522
Ohio	20,284	19,991	18,397	19,780	23,482	27,095
Oklahoma	17,620	NA	17,163	17,907	18,420	18,619
Oregon	4,245	4,117	4,115	4,284	4,615	5,335
Pennsylvania	15,074	15,465	15,221	15,155	16,582	19,520
Rhode Island	638	624	631	693	734	733
South Carolina	7,452	7,074	6,754	7,186	7,038	8,363
South Dakota	3,785	3,355	3,005	2,714	3,436	4,088
Tennessee	11,529	10,765	10,750	NA	11,582	NA
Texas	155,571	154,996	142,878	149,320	147,504	160,929
Utah	NA	2,884	3,015	3,292	3,172	3,432
Vermont	157	158	159	178	188	208
Virginia	NA	8,606	8,294	7,803	6,462	NA
Washington	6,130	5,535	5,612	5,690	5,874	NA
West Virginia	2,987	2,659	2,567	2,750	NA	2,870
Wisconsin	9,636	9,465	8,892	10,484	11,803	14,932
Wyoming	4,511	4,734	4,184	4,251	5,134	NA
Total	653,509	641,264	607,213	624,852	644,030	720,293

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020			2019		
	February	January	Total	December	November	October
Alabama	18,977	19,889	217,040	18,886	18,204	17,208
Alaska	1,463	1,440	15,940	1,418	1,568	1,480
Arizona	1,735	1,846	18,625	1,803	1,665	1,458
Arkansas	9,547	10,158	105,280	9,475	9,279	8,547
California	53,928	68,995	768,188	65,665	63,595	66,872
Colorado	8,985	9,223	91,693	9,245	8,486	7,606
Connecticut	2,348	2,549	24,520	2,667	2,416	1,917
Delaware	3,552	4,113	33,865	3,454	3,412	2,783
District of Columbia	0	0	--	--	--	--
Florida	10,046	NA	119,654	11,535	10,301	9,899
Georgia	13,511	14,517	155,992	13,992	14,295	12,913
Hawaii	8	6	94	8	8	9
Idaho	3,575	3,802	38,598	3,745	3,751	3,964
Illinois	26,063	27,035	267,360	27,107	25,224	21,735
Indiana	35,057	39,985	426,408	40,716	36,515	32,744
Iowa	22,027	24,058	249,885	23,009	22,669	20,119
Kansas	11,729	12,916	131,094	12,435	11,279	9,284
Kentucky	11,553	11,823	121,669	10,954	11,070	9,606
Louisiana	93,812	101,134	1,145,104	101,508	94,297	92,571
Maine	2,208	2,357	21,024	2,170	2,042	1,836
Maryland	1,642	1,303	18,336	1,590	2,257	1,367
Massachusetts	5,879	5,839	48,770	5,257	4,886	3,198
Michigan	17,606	17,843	173,618	17,350	16,362	13,266
Minnesota	NA	NA	162,437	14,863	13,285	12,178
Mississippi	11,877	12,610	132,423	11,543	10,934	10,258
Missouri	6,551	6,714	65,452	6,289	6,196	5,567
Montana	2,201	2,300	23,689	2,282	2,355	2,173
Nebraska	7,821	8,921	89,696	7,972	10,252	8,144
Nevada	1,792	1,766	20,681	1,878	1,875	1,654
New Hampshire	916	915	9,834	838	821	768
New Jersey	5,056	NA	65,061	6,166	5,498	6,220
New Mexico	NA	1,710	18,362	1,700	1,615	1,644
New York	8,966	9,002	90,330	8,759	8,435	6,628
North Carolina	10,654	11,462	119,114	10,782	10,759	9,487
North Dakota	3,526	3,736	36,093	3,280	2,647	2,283
Ohio	29,168	29,912	298,171	28,015	26,643	22,154
Oklahoma	18,556	19,640	211,168	19,260	17,725	18,413
Oregon	5,149	5,375	57,008	5,284	5,126	5,223
Pennsylvania	20,797	21,973	249,026	25,926	24,884	22,071
Rhode Island	805	830	8,819	786	714	661
South Carolina	8,077	8,779	94,907	8,096	8,389	8,004
South Dakota	4,360	4,649	46,014	4,698	3,856	3,084
Tennessee	13,721	13,942	147,533	12,933	12,550	12,156
Texas	155,402	165,671	1,799,319	167,322	152,645	145,196
Utah	3,979	3,977	41,348	3,720	3,767	3,122
Vermont	219	232	2,370	223	214	190
Virginia	NA	8,949	100,608	8,522	8,860	8,129
Washington	NA	7,188	78,490	7,242	6,842	7,239
West Virginia	3,418	NA	36,570	3,197	3,161	2,958
Wisconsin	16,384	17,607	162,622	16,830	16,175	12,957
Wyoming	5,124	5,723	61,755	6,239	5,453	5,470
Total	731,678	791,385	8,421,655	778,634	735,260	684,410

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

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

(million cubic feet) – continued

State	2019		
	March	February	January
Alabama	19,316	17,930	20,939
Alaska	1,555	1,496	1,742
Arizona	1,602	1,834	2,044
Arkansas	9,472	8,849	10,016
California	63,355	57,327	65,438
Colorado	9,148	9,591	10,231
Connecticut	2,233	2,325	2,734
Delaware	2,868	2,871	3,530
District of Columbia	--	--	--
Florida	9,990	9,276	10,858
Georgia	13,890	12,498	14,832
Hawaii	7	7	8
Idaho ^a	3,374	3,431	3,855
Illinois	25,448	25,552	30,420
Indiana	40,810	36,785	42,103
Iowa	22,317	21,893	23,113
Kansas	11,138	12,363	13,144
Kentucky	12,266	10,803	13,128
Louisiana	97,218	93,611	101,564
Maine	1,966	1,909	2,110
Maryland	1,619	1,445	1,743
Massachusetts	5,097	5,884	5,823
Michigan	18,429	16,773	20,084
Minnesota	15,280	15,847	16,897
Mississippi	11,694	10,348	11,342
Missouri	6,063	6,701	7,488
Montana	1,901	2,085	2,154
Nebraska	6,610	7,306	7,817
Nevada	1,783	1,937	1,724
New Hampshire	963	961	942
New Jersey	5,747	5,465	5,415
New Mexico	1,661	1,513	1,578
New York	9,012	9,303	9,842
North Carolina	11,533	10,390	12,025
North Dakota	3,192	2,776	3,202
Ohio	30,365	29,530	33,220
Oklahoma	19,006	16,001	18,707
Oregon	5,027	4,845	5,229
Pennsylvania	22,786	21,573	23,655
Rhode Island	794	848	835
South Carolina	8,695	8,095	8,770
South Dakota	4,067	4,317	4,259
Tennessee	13,606	13,262	14,717
Texas	154,046	146,425	164,545
Utah	3,525	4,021	3,988
Vermont	233	229	254
Virginia	7,867	9,243	8,667
Washington	6,970	6,652	7,074
West Virginia	3,663	3,129	3,452
Wisconsin	16,414	16,639	17,695
Wyoming	5,046	5,586	6,337
Total	750,667	719,482	801,290

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

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

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

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

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

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					
	August	July	June	May	April	March
Alabama	42,608	47,915	39,978	30,789	21,675	31,862
Alaska	2,509	2,815	1,789	1,307	1,674	2,061
Arizona	44,960	44,493	35,384	32,569	25,210	21,144
Arkansas	16,114	17,024	13,147	8,563	7,287	10,707
California	82,773	61,287	41,730	28,872	29,838	43,329
Colorado	16,674	15,473	13,161	9,468	11,161	12,986
Connecticut	15,626	18,375	14,240	10,472	11,464	11,533
Delaware	4,878	5,444	3,533	1,802	2,024	1,066
District of Columbia	--	--	--	--	--	--
Florida	138,598	139,507	128,764	109,923	107,239	110,061
Georgia	44,768	46,606	41,274	36,149	27,529	29,001
Hawaii	--	--	--	--	--	--
Idaho	3,457	3,614	1,758	1,209	1,416	2,681
Illinois	22,998	36,854	21,958	11,018	11,458	14,705
Indiana	21,309	25,666	21,507	16,871	15,832	18,717
Iowa	3,944	7,561	4,660	3,621	2,052	1,832
Kansas	3,280	4,063	2,456	1,101	1,571	2,581
Kentucky	10,878	15,746	10,873	9,025	6,846	4,664
Louisiana	37,360	42,617	33,586	30,137	27,484	29,386
Maine	1,177	1,981	1,528	881	518	W
Maryland	9,413	12,314	8,243	5,578	7,311	8,886
Massachusetts	13,521	17,579	8,414	3,478	4,393	4,382
Michigan	26,972	35,963	24,892	19,680	18,724	22,089
Minnesota	8,088	11,477	7,476	4,889	5,128	5,799
Mississippi	40,200	40,356	35,682	33,743	27,772	26,783
Missouri	8,861	11,643	6,992	3,774	3,844	5,292
Montana	W	514	W	279	278	370
Nebraska	1,745	2,722	1,552	683	484	857
Nevada	24,070	21,767	17,600	14,768	13,468	15,115
New Hampshire	3,160	4,506	2,871	1,149	1,741	1,289
New Jersey	27,623	32,990	21,565	12,794	14,960	16,648
New Mexico	12,200	11,569	7,919	7,456	7,420	8,356
New York	52,395	62,408	39,190	23,513	21,105	28,948
North Carolina	30,565	33,686	25,637	21,539	15,106	26,173
North Dakota	1,688	1,869	1,339	948	1,338	1,463
Ohio	36,292	40,711	30,067	26,999	27,338	32,902
Oklahoma	38,950	46,047	32,673	27,518	20,722	26,140
Oregon	13,093	10,163	4,173	3,024	11,033	14,268
Pennsylvania	91,745	96,912	72,509	52,711	48,353	62,418
Rhode Island	6,456	6,174	5,672	3,852	3,659	3,863
South Carolina	18,818	21,115	15,135	15,967	15,041	14,931
South Dakota	1,219	1,739	W	W	W	749
Tennessee	10,050	14,261	9,763	6,615	5,923	8,186
Texas	204,725	211,294	169,432	142,927	116,928	126,696
Utah	8,474	7,360	5,243	3,972	2,893	3,949
Vermont	2	1	1	2	1	1
Virginia	45,323	49,433	38,474	35,823	34,074	37,441
Washington	10,524	7,825	3,519	3,378	9,089	10,281
West Virginia	2,538	3,324	2,419	2,093	1,372	1,410
Wisconsin	15,272	16,490	14,170	10,343	11,490	14,106
Wyoming	1,432	846	331	W	235	410
Total	1,279,767	1,372,103	1,045,572	833,954	763,925	878,908

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020			2019		
	February	January	Total	December	November	October
Alabama	30,570	30,050	420,582	27,336	29,169	35,097
Alaska	2,032	2,448	31,914	2,991	2,610	2,788
Arizona	25,483	27,239	356,102	31,145	25,191	33,369
Arkansas	9,322	12,698	155,001	9,301	10,970	15,055
California	38,341	42,824	578,056	56,766	56,775	57,110
Colorado	12,092	10,725	130,185	11,114	10,956	8,866
Connecticut	12,264	13,391	142,297	14,456	11,657	9,597
Delaware	1,280	1,516	27,550	862	1,459	1,775
District of Columbia	--	--	--	--	--	--
Florida	96,213	96,652	1,323,826	91,248	87,903	123,695
Georgia	34,691	34,232	413,444	31,691	32,311	36,248
Hawaii	--	--	--	--	--	--
Idaho	3,041	3,536	29,743	3,201	2,771	1,781
Illinois	14,087	15,938	152,786	11,235	9,284	13,062
Indiana	18,777	20,728	225,699	20,752	18,482	19,806
Iowa	4,259	3,744	51,759	4,456	3,478	3,680
Kansas	1,477	1,308	29,895	1,256	1,304	3,435
Kentucky	7,541	9,107	109,097	8,399	9,542	11,838
Louisiana	26,485	25,126	356,088	20,856	20,280	29,808
Maine	436	625	9,249	585	482	748
Maryland	8,866	6,242	98,990	6,135	6,145	8,214
Massachusetts	8,694	10,919	118,394	11,203	7,875	8,564
Michigan	25,044	28,503	280,764	23,915	22,263	25,948
Minnesota	6,294	8,672	75,692	5,864	4,377	6,626
Mississippi	31,772	30,823	367,497	27,926	27,400	30,340
Missouri	4,861	6,148	64,173	4,089	2,516	5,770
Montana	299	367	5,659	460	453	507
Nebraska	744	996	11,384	623	459	1,001
Nevada	14,019	15,683	193,078	16,193	14,705	14,874
New Hampshire	1,460	2,004	25,460	1,950	1,656	3,430
New Jersey	16,514	18,717	299,524	24,475	24,286	24,537
New Mexico	7,772	8,419	104,225	8,890	7,179	8,620
New York	29,390	32,130	398,926	32,383	30,278	29,067
North Carolina	29,070	28,760	307,876	23,234	23,340	25,814
North Dakota	1,376	1,562	13,130	1,199	1,016	1,215
Ohio	31,268	34,603	361,931	31,353	24,750	27,644
Oklahoma	27,841	29,686	338,401	28,090	21,504	25,804
Oregon	11,342	14,283	145,920	15,141	13,289	13,329
Pennsylvania	63,940	69,675	675,004	60,485	50,902	60,014
Rhode Island	4,089	4,481	56,026	4,193	4,245	4,857
South Carolina	14,498	14,764	186,297	14,314	13,257	14,971
South Dakota	713	900	10,589	798	634	1,057
Tennessee	10,265	10,122	118,464	9,357	10,264	7,118
Texas	127,574	129,982	1,750,596	128,744	119,209	143,993
Utah	5,682	5,867	67,774	5,974	5,390	4,569
Vermont	2	1	12	1	--	2
Virginia	35,832	39,538	410,865	36,301	26,607	27,302
Washington	7,328	9,703	102,792	11,251	8,110	9,028
West Virginia	554	592	15,154	222	873	3,651
Wisconsin	12,952	14,891	156,400	13,843	11,583	14,028
Wyoming	321	402	3,159	321	277	221
Total	878,768	931,322	11,307,426	896,577	819,468	959,873

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

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		
	March	February	January
Alabama	34,499	27,454	27,856
Alaska	2,365	2,253	2,641
Arizona	22,993	19,527	21,773
Arkansas	10,143	12,558	9,533
California	39,440	47,018	49,309
Colorado	9,977	10,849	10,102
Connecticut	10,081	9,878	11,279
Delaware	2,298	1,317	1,178
District of Columbia	--	--	--
Florida	95,064	85,791	89,722
Georgia	24,867	28,348	30,417
Hawaii	--	--	--
Idaho	1,472	2,534	2,858
Illinois	9,265	8,226	9,604
Indiana	17,467	17,270	18,710
Iowa	3,499	3,295	3,555
Kansas	1,117	1,234	1,311
Kentucky	9,041	6,075	9,455
Louisiana	22,645	21,437	25,573
Maine	750	794	897
Maryland	10,280	7,994	7,250
Massachusetts	9,796	10,082	11,550
Michigan	19,996	18,757	21,955
Minnesota	5,443	6,240	4,408
Mississippi	24,399	24,432	25,918
Missouri	4,640	3,530	3,993
Montana	349	652	501
Nebraska	576	399	414
Nevada	13,366	12,971	14,451
New Hampshire	1,552	607	1,248
New Jersey	20,943	21,583	22,493
New Mexico	7,020	7,254	7,707
New York	27,326	29,106	31,229
North Carolina	25,073	26,451	25,036
North Dakota	819	750	913
Ohio	30,521	29,419	29,201
Oklahoma	20,462	21,723	25,067
Oregon	13,046	12,257	13,759
Pennsylvania	49,870	49,241	52,413
Rhode Island	4,311	3,311	3,543
South Carolina	11,690	12,736	12,619
South Dakota	489	473	594
Tennessee	10,396	8,881	9,378
Texas	112,132	105,531	127,571
Utah	6,281	5,424	5,462
Vermont	2	1	1
Virginia	31,564	34,104	34,642
Washington	6,537	5,315	9,177
West Virginia	419	223	411
Wisconsin	11,647	10,768	11,738
Wyoming	209	265	120
Total	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
	January	Total	December	November	October	September	
Alabama	64,512	659,717	60,009	47,563	51,695	54,471	
Alaska	7,799	NA	8,057	7,220	6,573	5,094	
Arizona	42,814	486,515	42,138	35,936	42,067	43,813	
Arkansas	32,576	324,404	33,843	24,528	25,037	20,673	
California	198,199	NA	211,375	179,021	172,144	168,550	
Colorado	52,101	423,422	52,180	40,026	33,182	24,306	
Connecticut	33,602	NA	30,643	NA	NA	18,455	
Delaware	9,243	NA	NA	6,921	5,866	6,207	
District of Columbia	4,285	NA	4,345	2,263	1,173	NA	
Florida	NA	NA	109,859	114,773	NA	NA	
Georgia	82,936	754,208	80,495	61,713	53,760	53,153	
Hawaii	211	2,412	216	177	182	169	
Idaho	14,957	118,925	15,418	12,457	8,894	7,872	
Illinois	147,623	NA	133,818	87,977	73,023	NA	
Indiana	96,310	815,432	92,345	67,063	61,851	52,823	
Iowa	43,370	NA	43,205	NA	32,147	26,187	
Kansas	32,083	258,434	28,744	21,211	22,138	14,311	
Kentucky	38,389	300,241	36,065	24,781	22,787	16,110	
Louisiana	133,312	NA	140,416	128,494	NA	NA	
Maine	NA	NA	4,706	3,196	NA	NA	
Maryland	33,370	NA	NA	21,207	18,173	14,336	
Massachusetts	55,223	NA	47,574	NA	NA	17,823	
Michigan	119,899	NA	110,112	NA	69,427	47,494	
Minnesota	59,449	NA	54,943	41,997	34,821	NA	
Mississippi	NA	NA	48,645	41,045	42,072	44,007	
Missouri	43,693	293,994	38,628	24,588	17,945	15,367	
Montana	9,399	NA	9,062	7,487	NA	3,733	
Nebraska	20,750	NA	20,155	15,208	14,125	11,967	
Nevada	29,453	NA	28,288	NA	23,288	25,610	
New Hampshire	6,088	50,772	4,381	3,518	3,727	4,188	
New Jersey	87,294	NA	79,690	54,097	39,387	34,123	
New Mexico	20,428	NA	20,325	15,123	14,056	14,086	
New York	165,066	1,223,045	152,387	104,189	70,882	69,616	
North Carolina	67,978	NA	63,052	41,996	37,762	37,259	
North Dakota	9,580	NA	9,316	NA	5,883	5,254	
Ohio	145,174	1,091,517	135,172	92,574	66,123	59,839	
Oklahoma	62,389	NA	61,380	43,524	45,469	49,219	
Oregon	27,637	260,509	29,279	24,905	21,983	19,600	
Pennsylvania	166,929	1,403,784	153,509	101,961	102,540	103,247	
Rhode Island	10,466	93,189	9,839	7,919	5,180	7,014	
South Carolina	32,696	329,091	31,881	24,703	23,672	25,169	
South Dakota	8,928	80,201	8,614	7,004	5,849	5,689	
Tennessee	51,131	NA	46,969	30,272	25,015	24,359	
Texas	359,698	NA	355,407	305,656	NA	334,017	
Utah	28,742	NA	31,666	16,887	12,768	13,621	
Vermont	1,879	12,639	1,600	1,160	778	601	
Virginia	70,766	NA	68,203	43,595	49,689	NA	
Washington	NA	NA	36,675	29,771	27,250	21,890	
West Virginia	13,081	NA	11,574	8,966	8,374	5,433	
Wisconsin	69,603	532,340	61,711	43,458	43,768	28,160	
Wyoming	NA	NA	10,418	8,923	7,518	NA	
Total	3,031,061	27,727,489	2,906,089	2,215,057	2,101,137	1,960,892	

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020					
	August	July	June	May	April	March
Alabama	61,608	65,812	57,178	49,012	41,055	54,084
Alaska	4,931	4,994	NA	NA	NA	8,006
Arizona	49,580	49,565	40,426	37,915	32,433	31,312
Arkansas	27,416	28,394	24,001	21,734	21,820	30,465
California	181,929	159,573	136,101	126,409	NA	183,374
Colorado	26,223	24,665	23,743	23,126	35,183	39,485
Connecticut	20,760	23,714	19,471	17,653	22,659	25,202
Delaware	8,550	9,026	7,069	6,071	NA	NA
District of Columbia	886	956	961	1,305	2,033	2,678
Florida	154,237	154,595	NA	NA	123,697	NA
Georgia	63,932	64,927	59,178	56,568	50,382	56,337
Hawaii	181	188	174	160	180	251
Idaho	7,357	7,641	6,092	5,837	7,604	11,342
Illinois	54,918	69,411	55,621	60,474	81,501	110,125
Indiana	54,468	57,344	52,114	54,075	58,934	76,505
Iowa	25,058	NA	24,161	26,803	29,614	36,858
Kansas	17,213	18,695	16,413	15,145	19,771	23,452
Kentucky	21,469	25,361	20,668	20,411	20,970	23,130
Louisiana	134,786	NA	131,840	127,024	121,581	129,326
Maine	3,181	3,921	3,661	3,494	3,471	3,843
Maryland	NA	18,938	14,940	14,688	19,644	25,644
Massachusetts	NA	27,011	17,203	17,470	29,254	34,251
Michigan	48,352	55,577	44,803	52,391	71,140	94,528
Minnesota	23,428	25,737	NA	24,401	NA	47,038
Mississippi	51,515	52,399	47,215	45,380	NA	42,055
Missouri	17,384	19,698	15,496	14,570	18,726	27,591
Montana	3,597	3,857	4,245	5,130	6,077	7,958
Nebraska	12,055	13,289	10,773	9,816	NA	17,168
Nevada	28,740	26,811	22,663	20,078	20,654	NA
New Hampshire	4,179	5,505	3,900	2,566	3,925	4,106
New Jersey	41,983	50,543	40,625	35,465	50,969	59,820
New Mexico	15,784	15,070	11,274	10,947	12,713	17,760
New York	81,545	92,279	70,310	71,595	92,713	119,072
North Carolina	42,867	NA	NA	35,395	30,633	46,884
North Dakota	5,639	5,531	5,108	4,763	6,871	8,464
Ohio	67,002	70,711	60,448	70,225	87,582	110,594
Oklahoma	59,493	NA	52,845	49,746	46,365	55,273
Oregon	19,232	16,337	10,909	10,807	20,853	29,077
Pennsylvania	115,790	120,516	98,772	87,937	96,574	123,519
Rhode Island	7,766	7,473	7,006	5,900	7,272	8,103
South Carolina	27,795	29,954	23,869	25,587	24,907	27,914
South Dakota	5,528	5,615	4,564	4,307	6,100	7,636
Tennessee	25,053	28,457	24,273	NA	24,685	NA
Texas	376,946	383,592	NA	310,386	287,477	322,496
Utah	NA	13,844	12,958	12,017	NA	18,590
Vermont	633	595	587	748	1,075	1,377
Virginia	NA	62,813	51,489	NA	50,304	NA
Washington	20,777	17,874	14,399	15,806	25,409	NA
West Virginia	6,762	7,150	6,664	6,841	NA	9,215
Wisconsin	30,369	31,093	28,511	31,595	42,501	55,549
Wyoming	6,433	6,215	5,386	5,868	8,053	NA
Total	R2,177,841	R2,264,043	1,925,035	1,859,926	2,025,135	2,466,131

See footnotes at end of table.

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

(million cubic feet) – continued

State	2020			2019		
	February	January	Total	December	November	October
Alabama	58,085	59,144	693,175	54,470	52,645	54,962
Alaska	8,461	10,194	80,374	9,041	7,765	6,824
Arizona	38,627	42,703	453,068	43,211	33,101	39,139
Arkansas	30,203	36,289	349,156	30,603	30,255	28,219
California	172,560	212,357	2,093,641	211,218	193,167	172,788
Colorado	50,501	50,801	426,653	51,854	44,370	31,201
Connecticut	30,009	32,210	276,890	33,791	26,721	16,961
Delaware	NA	9,744	88,649	8,310	7,975	5,824
District of Columbia	3,758	4,225	28,645	4,607	3,309	972
Florida	114,871	NA	1,528,405	111,302	105,079	139,765
Georgia	75,293	78,470	748,044	71,622	67,658	57,540
Hawaii	252	280	3,277	268	243	269
Idaho	13,661	14,751	120,174	14,572	12,967	10,748
Illinois	139,983	146,827	1,105,548	130,382	120,855	70,933
Indiana	90,053	97,857	883,160	93,330	85,005	65,487
Iowa	45,021	48,492	431,050	45,046	41,866	32,335
Kansas	29,011	32,332	271,173	29,253	25,191	19,460
Kentucky	33,101	35,390	316,999	32,625	32,284	25,246
Louisiana	128,433	NA	1,570,593	131,257	122,266	126,450
Maine	4,421	4,885	43,326	4,590	3,964	3,252
Maryland	31,313	32,934	275,864	31,762	26,802	15,629
Massachusetts	46,228	51,703	423,918	54,841	41,802	23,789
Michigan	120,210	124,760	968,460	111,425	102,091	68,212
Minnesota	NA	NA	496,642	59,721	47,993	33,923
Mississippi	50,088	50,357	541,981	45,851	43,960	42,746
Missouri	39,717	44,284	308,549	36,509	30,237	21,342
Montana	8,864	9,764	81,070	9,493	8,667	5,831
Nebraska	19,100	23,190	178,246	18,780	20,539	12,728
Nevada	26,405	30,226	298,178	29,864	23,798	21,648
New Hampshire	4,997	5,780	53,464	5,845	3,938	4,855
New Jersey	70,063	NA	759,439	91,784	74,848	47,568
New Mexico	NA	21,179	194,853	22,701	17,486	15,012
New York	142,658	155,798	1,286,596	154,470	126,703	69,838
North Carolina	57,512	61,733	553,808	54,298	51,730	40,549
North Dakota	9,221	10,501	77,802	8,874	7,014	4,865
Ohio	134,037	137,209	1,128,131	128,444	108,155	71,182
Oklahoma	64,312	68,304	667,809	64,806	53,494	48,640
Oregon	26,772	30,754	283,285	31,740	27,733	25,647
Pennsylvania	143,269	156,152	1,323,927	148,828	115,746	97,947
Rhode Island	9,415	10,303	97,248	10,071	8,853	7,041
South Carolina	30,850	32,792	335,120	30,866	28,586	25,337
South Dakota	9,026	10,269	84,818	9,374	7,779	5,653
Tennessee	44,867	45,428	391,301	41,744	40,589	24,199
Texas	340,114	357,210	3,977,685	349,525	315,077	308,637
Utah	26,766	29,015	232,719	30,476	22,351	14,197
Vermont	1,660	1,826	13,863	1,774	1,437	781
Virginia	NA	72,599	665,412	67,601	51,329	41,506
Washington	NA	37,945	332,431	39,379	32,785	30,061
West Virginia	10,920	NA	99,180	10,160	9,835	9,241
Wisconsin	65,825	69,799	572,662	65,475	58,964	42,348
Wyoming	9,254	9,963	91,981	10,432	9,208	6,907
Total	2,791,080	3,035,123	28,308,442	2,888,266	2,536,215	2,096,233

See footnotes at end of table.

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

(million cubic feet) – continued

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

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2019-2021
(million cubic feet) – continued

State	2019		
	March	February	January
Alabama	60,634	51,449	61,642
Alaska	7,379	8,148	9,298
Arizona	33,902	32,996	36,899
Arkansas	31,780	32,680	33,634
California	180,449	211,208	211,720
Colorado	47,134	49,943	53,586
Connecticut	26,363	27,612	32,454
Delaware	8,722	8,143	9,619
District of Columbia	3,625	4,354	4,595
Florida	112,980	103,430	110,083
Georgia	59,674	62,289	79,712
Hawaii	278	268	302
Idaho	10,602	13,476	14,704
Illinois	126,911	140,118	166,138
Indiana	90,921	90,289	106,835
Iowa	43,020	46,382	50,640
Kansas	26,462	32,901	35,002
Kentucky	33,413	29,665	40,226
Louisiana	127,344	122,886	138,907
Maine	4,393	4,653	5,217
Maryland	33,182	33,414	38,363
Massachusetts	49,056	53,142	63,127
Michigan	109,832	114,243	135,956
Minnesota	54,071	64,770	66,088
Mississippi	41,298	39,830	45,275
Missouri	34,932	40,689	46,635
Montana	9,111	11,848	9,825
Nebraska	17,853	21,268	21,338
Nevada	25,328	27,406	29,359
New Hampshire	5,030	4,487	5,803
New Jersey	80,841	87,978	97,366
New Mexico	16,042	18,952	22,040
New York	145,710	153,419	181,340
North Carolina	53,007	53,523	62,261
North Dakota	7,780	8,756	9,104
Ohio	128,659	131,899	152,958
Oklahoma	55,123	57,924	66,752
Oregon	27,936	29,973	30,749
Pennsylvania	129,639	134,488	158,460
Rhode Island	9,627	9,070	10,466
South Carolina	26,724	27,618	31,616
South Dakota	8,362	9,817	9,666
Tennessee	40,569	38,873	49,777
Texas	322,073	314,288	364,272
Utah	24,519	28,045	30,933
Vermont	1,628	1,820	2,154
Virginia	59,871	67,385	74,226
Washington	30,811	36,289	37,560
West Virginia	10,964	9,921	12,599
Wisconsin	60,837	66,712	75,520
Wyoming	8,939	9,802	10,597
Total	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
	January	Total	December	November	October	September
Alabama	2.92	3.00	3.06	3.45	3.11	3.65
Alaska	7.43	8.24	7.82	7.83	7.85	8.08
Arizona	3.49	2.56	3.39	3.48	2.17	2.28
Arkansas	3.06	NA	3.47	3.85	4.18	5.07
California	NA	3.02	4.03	3.79	3.08	3.41
Colorado	3.06	2.81	2.97	3.44	2.89	3.50
Connecticut	3.14	NA	4.02	NA	NA	8.70
Delaware	3.77	NA	3.66	4.85	6.87	9.58
District of Columbia	--	--	--	--	--	--
Florida	NA	NA	5.98	8.34	NA	NA
Georgia	3.29	3.25	3.53	4.02	3.51	3.68
Hawaii	14.80	NA	12.70	11.57	11.23	11.08
Idaho	2.33	2.37	2.43	2.50	2.43	2.60
Illinois	3.17	NA	2.92	3.46	3.01	NA
Indiana	3.13	2.99	3.10	3.17	3.12	3.53
Iowa	3.64	3.38	3.75	3.81	3.23	3.65
Kansas	3.11	NA	3.25	3.93	NA	NA
Kentucky	2.94	2.81	2.97	3.33	2.85	3.05
Louisiana	2.98	NA	3.34	3.54	2.85	2.15
Maine	NA	NA	5.59	NA	NA	6.47
Maryland	3.47	NA	NA	4.35	4.80	6.45
Massachusetts	4.63	NA	4.67	NA	6.34	10.00
Michigan	2.84	NA	2.85	3.05	2.55	2.76
Minnesota	4.08	NA	4.58	4.41	3.36	4.23
Mississippi	3.25	3.35	3.53	3.90	3.39	3.81
Missouri	3.15	NA	3.48	3.97	3.83	NA
Montana	3.37	2.92	3.22	3.19	2.40	2.56
Nebraska	3.42	NA	3.45	3.33	3.22	3.89
Nevada	3.68	NA	3.81	3.88	3.50	3.58
New Hampshire	4.99	NA	4.68	4.31	4.39	7.76
New Jersey	4.39	NA	4.07	4.15	4.13	4.68
New Mexico	3.20	NA	3.13	3.18	2.82	2.43
New York	3.16	3.64	3.14	3.38	4.54	6.93
North Carolina	2.89	3.27	3.07	3.59	3.62	4.35
North Dakota	3.74	3.28	3.68	4.09	3.11	3.73
Ohio	3.23	NA	3.28	3.28	2.91	3.45
Oklahoma	3.31	3.35	3.49	3.77	3.53	4.98
Oregon	3.25	NA	3.31	3.34	NA	4.86
Pennsylvania	3.95	NA	3.84	4.48	3.09	3.28
Rhode Island	1.98	2.59	1.96	1.96	1.97	2.01
South Carolina	3.63	3.26	3.70	4.02	3.54	3.25
South Dakota	3.65	3.33	3.62	4.10	3.18	4.08
Tennessee	3.19	NA	3.22	3.51	3.05	3.34
Texas	2.99	NA	3.15	3.18	2.58	2.99
Utah	6.35	NA	NA	6.08	4.89	2.67
Vermont	3.82	3.33	3.82	3.79	3.26	3.48
Virginia	3.25	NA	3.14	NA	NA	4.94
Washington	NA	NA	3.65	3.46	3.49	5.37
West Virginia	2.75	3.17	2.76	2.98	3.47	4.09
Wisconsin	3.18	3.36	3.49	4.23	3.08	4.16
Wyoming	3.69	NA	3.51	NA	NA	2.77
Total	3.45	3.42	3.55	3.80	3.47	4.10

See footnotes at end of table.

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

State	2020					
	August	July	June	May	April	March
Alabama	3.11	2.67	2.89	2.89	2.74	2.68
Alaska	8.23	12.30	8.54	8.09	8.19	8.33
Arizona	2.54	2.58	2.46	2.51	1.80	2.31
Arkansas	5.82	4.49	3.83	2.65	3.68	4.05
California	2.27	2.69	2.65	2.47	2.36	2.43
Colorado	3.37	3.14	2.88	2.99	2.25	2.57
Connecticut	8.60	8.36	8.10	6.08	4.19	4.14
Delaware	11.44	12.52	11.35	7.11	4.82	5.34
District of Columbia	--	--	--	--	--	--
Florida	NA	6.83	6.90	NA	NA	NA
Georgia	3.12	2.88	2.72	3.06	2.98	3.22
Hawaii	12.00	12.38	11.73	NA	NA	NA
Idaho	2.55	2.60	2.34	2.39	2.09	2.27
Illinois	NA	4.09	NA	2.13	3.13	2.58
Indiana	4.47	3.96	3.89	3.00	2.42	2.86
Iowa	3.55	2.66	3.05	2.90	3.01	3.63
Kansas	NA	4.46	4.39	4.04	3.00	3.07
Kentucky	2.84	2.41	2.70	2.60	2.34	2.95
Louisiana	NA	2.43	2.44	NA	2.69	2.96
Maine	6.35	5.62	6.04	4.13	4.47	5.61
Maryland	7.87	7.95	7.10	5.57	3.49	3.78
Massachusetts	12.13	NA	9.85	6.21	4.57	4.73
Michigan	2.30	NA	2.15	2.46	2.40	2.94
Minnesota	NA	3.31	NA	NA	2.53	3.43
Mississippi	3.24	3.05	3.11	2.90	3.12	3.48
Missouri	5.99	5.65	6.23	4.97	3.79	3.29
Montana	3.31	2.83	3.19	2.89	2.76	3.49
Nebraska	3.60	2.56	2.78	2.80	NA	3.34
Nevada	2.99	3.13	2.78	2.86	2.66	2.49
New Hampshire	8.39	9.23	NA	NA	NA	3.99
New Jersey	5.28	NA	NA	NA	4.41	4.73
New Mexico	2.38	2.53	2.30	2.36	1.54	2.66
New York	7.52	7.29	6.80	4.52	2.92	2.98
North Carolina	4.78	4.76	4.30	3.84	3.33	2.94
North Dakota	3.49	3.01	3.12	2.92	2.57	2.94
Ohio	NA	NA	2.53	3.11	2.70	NA
Oklahoma	4.27	3.99	3.97	3.10	3.01	3.27
Oregon	5.37	4.95	4.31	3.78	3.13	2.95
Pennsylvania	2.86	3.28	4.22	NA	3.72	3.78
Rhode Island	2.04	2.07	2.11	2.14	2.56	5.24
South Carolina	3.25	2.68	2.83	3.14	2.94	3.24
South Dakota	4.06	3.99	3.78	2.82	2.57	3.23
Tennessee	2.86	NA	3.32	NA	2.41	2.92
Texas	2.90	2.76	2.75	NA	2.69	2.43
Utah	2.09	2.19	2.34	4.11	5.19	5.70
Vermont	3.01	2.76	2.91	3.19	2.98	3.29
Virginia	4.83	4.51	NA	NA	3.64	3.66
Washington	NA	5.50	4.71	4.29	3.30	3.09
West Virginia	4.54	4.31	4.11	3.37	2.54	3.48
Wisconsin	3.68	3.37	3.65	3.14	3.11	3.07
Wyoming	3.14	3.08	2.99	3.33	NA	3.35
Total	3.96	3.86	3.85	3.37	3.05	3.23

See footnotes at end of table.

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

State	2020					2019
	February	January	Total	December	November	October
Alabama	2.95	2.93	3.56	3.22	3.35	3.58
Alaska	8.36	8.31	8.27	8.83	8.11	7.62
Arizona	2.17	2.33	2.62	2.74	2.96	2.35
Arkansas	NA	3.56	4.04	3.82	3.17	3.29
California	2.55	3.32	3.10	3.87	2.94	2.95
Colorado	2.39	2.67	3.38	2.97	2.91	2.80
Connecticut	3.96	4.05	5.36	4.26	4.22	5.92
Delaware	NA	4.14	5.71	4.13	4.59	8.54
District of Columbia	--	--	--	--	--	--
Florida	5.59	NA	7.22	6.08	7.97	7.95
Georgia	2.96	3.14	3.78	3.44	3.52	3.57
Hawaii	17.21	16.63	17.75	16.43	17.98	18.98
Idaho	2.35	2.28	2.46	2.24	2.46	2.25
Illinois	2.57	2.68	3.18	2.84	2.91	2.30
Indiana	2.75	2.91	3.43	2.97	2.97	2.94
Iowa	3.19	3.44	3.47	3.27	3.38	3.02
Kansas	2.65	2.79	3.68	2.98	2.96	3.26
Kentucky	2.64	2.78	3.37	2.97	3.25	3.20
Louisiana	2.80	2.97	3.59	3.34	3.33	3.16
Maine	NA	6.65	6.51	7.06	5.05	3.62
Maryland	3.62	3.55	4.82	3.56	3.89	6.93
Massachusetts	4.14	4.14	5.53	4.55	4.86	6.21
Michigan	2.90	2.89	3.17	2.99	3.04	2.73
Minnesota	NA	NA	3.82	3.65	3.56	2.65
Mississippi	3.10	3.33	3.77	3.44	3.44	3.54
Missouri	2.72	2.75	4.22	3.91	3.59	3.58
Montana	2.48	2.81	2.66	2.49	2.42	1.86
Nebraska	3.12	3.26	3.65	3.18	3.28	2.76
Nevada	NA	3.50	4.11	3.88	3.66	3.31
New Hampshire	4.78	5.79	5.74	5.21	4.42	3.89
New Jersey	4.45	4.26	4.83	4.33	4.27	5.34
New Mexico	NA	2.34	2.56	2.54	2.34	2.08
New York	3.05	3.18	4.25	3.36	3.57	5.09
North Carolina	2.79	2.85	3.85	3.04	3.33	4.42
North Dakota	3.22	3.24	3.57	3.41	3.45	2.94
Ohio	2.95	3.07	3.60	3.14	3.28	3.79
Oklahoma	2.89	3.09	3.64	3.14	3.18	3.47
Oregon	3.00	3.10	3.56	3.22	3.38	3.17
Pennsylvania	3.74	3.63	4.53	3.90	4.17	3.79
Rhode Island	2.56	2.30	2.49	2.32	2.32	2.32
South Carolina	3.22	3.23	3.86	3.66	3.81	3.51
South Dakota	3.09	3.15	3.51	2.98	3.31	2.77
Tennessee	2.65	NA	3.54	3.10	3.24	3.23
Texas	2.31	2.55	3.02	2.70	2.67	2.58
Utah	5.93	6.14	4.80	5.77	6.28	4.07
Vermont	3.28	3.37	3.86	3.58	3.47	3.17
Virginia	3.33	3.40	4.52	3.55	3.91	5.20
Washington	3.27	3.60	4.25	4.05	3.56	3.00
West Virginia	3.07	3.04	3.71	3.21	3.26	3.77
Wisconsin	3.10	3.29	3.84	3.51	3.48	3.03
Wyoming	3.45	3.35	3.48	3.51	3.37	2.93
Total	3.10	3.28	3.81	3.50	3.46	3.42

See footnotes at end of table.

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

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

See footnotes at end of table.

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

State	2019		
	March	February	January
Alabama	3.59	3.65	3.99
Alaska	8.14	8.49	7.76
Arizona	3.03	2.97	3.30
Arkansas	4.09	3.83	4.76
California	3.57	3.71	3.40
Colorado	3.79	3.56	3.80
Connecticut	4.70	4.70	4.98
Delaware	4.97	4.54	4.37
District of Columbia	--	--	--
Florida	7.97	7.95	7.05
Georgia	3.83	4.00	4.36
Hawaii	18.51	15.60	13.97
Idaho	3.15	3.31	2.43
Illinois	3.96	3.24	3.58
Indiana	3.83	3.47	3.69
Iowa	3.95	3.62	4.00
Kansas	3.99	3.28	3.70
Kentucky	3.43	3.64	3.61
Louisiana	4.02	4.16	4.52
Maine	7.41	8.15	8.55
Maryland	4.57	4.63	4.39
Massachusetts	5.05	4.79	4.93
Michigan	3.41	3.37	3.55
Minnesota	4.61	3.86	4.45
Mississippi	3.93	3.96	4.09
Missouri	3.92	3.71	3.92
Montana	3.27	2.89	3.21
Nebraska	4.17	3.70	4.29
Nevada	4.30	6.17	4.25
New Hampshire	5.37	6.36	7.99
New Jersey	4.79	5.02	4.68
New Mexico	2.62	2.83	3.45
New York	3.62	3.58	4.35
North Carolina	3.74	3.55	3.76
North Dakota	3.98	3.53	4.13
Ohio	3.67	3.84	3.99
Oklahoma	3.90	3.65	3.97
Oregon	3.74	3.83	3.27
Pennsylvania	4.71	4.13	4.38
Rhode Island	2.60	2.59	2.58
South Carolina	4.17	4.19	4.45
South Dakota	4.10	3.51	4.12
Tennessee	3.65	3.59	3.87
Texas	3.18	3.38	3.60
Utah	5.34	5.70	5.53
Vermont	4.27	4.18	4.56
Virginia	4.18	4.22	4.23
Washington	7.02	5.39	3.41
West Virginia	3.73	3.57	3.71
Wisconsin	4.16	4.11	4.09
Wyoming	3.80	3.62	4.02
Total	4.07	3.91	4.03

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

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

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

State	2021					2020	
	January	Total	December	November	October	September	
Alabama	13.55	16.17	14.23	18.58	21.24	22.93	
Alaska	10.58	11.13	10.59	10.61	11.10	12.27	
Arizona	11.31	13.11	11.16	13.51	17.34	19.95	
Arkansas	10.11	11.98	11.05	12.44	16.74	20.79	
California	15.79	NA	15.32	14.38	14.74	14.75	
Colorado	6.74	7.17	6.94	7.44	8.05	10.31	
Connecticut	13.23	NA	13.44	NA	18.31	23.03	
Delaware	11.14	NA	11.82	14.66	19.98	25.29	
District of Columbia	10.77	12.36	11.17	13.48	16.93	20.78	
Florida	NA	NA	20.24	23.47	25.26	26.23	
Georgia	11.48	NA	11.71	21.71	24.88	28.22	
Hawaii	39.99	NA	38.60	37.96	37.84	37.28	
Idaho	6.26	6.73	6.24	6.42	7.30	8.48	
Illinois	6.63	7.94	6.79	7.99	8.85	16.59	
Indiana	7.06	8.57	6.91	8.90	10.42	18.25	
Iowa	6.09	NA	6.51	8.16	9.72	15.76	
Kansas	8.00	NA	8.24	9.58	10.25	18.40	
Kentucky	8.97	11.19	8.79	11.21	13.76	24.27	
Louisiana	9.94	NA	10.45	14.16	15.82	17.64	
Maine	14.27	NA	13.75	14.87	NA	22.85	
Maryland	11.48	13.29	11.89	14.55	17.43	20.87	
Massachusetts	15.97	NA	15.40	NA	NA	15.04	
Michigan	7.61	8.25	7.72	8.31	8.66	11.24	
Minnesota	7.37	NA	7.89	8.37	8.04	10.94	
Mississippi	NA	NA	9.89	12.49	15.43	19.05	
Missouri	8.15	NA	8.98	10.98	15.17	24.04	
Montana	7.07	NA	7.16	7.64	NA	10.94	
Nebraska	7.01	7.85	7.91	8.75	12.43	15.38	
Nevada	7.81	10.36	8.18	9.20	11.76	13.44	
New Hampshire	14.57	14.66	15.56	16.09	19.20	22.60	
New Jersey	9.10	9.90	9.39	10.19	11.48	13.14	
New Mexico	6.97	NA	7.21	7.81	11.16	11.93	
New York	11.22	12.82	12.17	13.70	16.13	19.27	
North Carolina	11.09	NA	11.27	15.36	21.55	19.24	
North Dakota	5.67	6.82	5.74	6.43	8.64	15.16	
Ohio	7.24	NA	7.49	9.60	13.20	23.14	
Oklahoma	6.79	9.19	8.02	9.44	18.64	23.14	
Oregon	11.42	NA	10.05	10.38	11.37	14.93	
Pennsylvania	9.87	11.49	10.20	10.98	13.72	18.82	
Rhode Island	14.86	15.06	15.45	16.15	18.98	21.54	
South Carolina	12.33	NA	10.32	15.85	20.83	24.85	
South Dakota	6.64	7.11	6.44	7.12	8.40	12.68	
Tennessee	8.47	NA	7.52	9.49	12.92	17.08	
Texas	NA	NA	10.41	14.12	NA	21.75	
Utah	8.34	NA	8.34	7.41	9.48	9.71	
Vermont	12.01	13.29	12.60	13.87	17.19	21.69	
Virginia	10.91	NA	11.54	14.60	16.55	19.15	
Washington	NA	10.97	10.57	10.59	10.89	14.40	
West Virginia	9.03	10.07	9.03	9.96	11.67	15.35	
Wisconsin	6.90	7.52	7.12	7.85	6.99	12.16	
Wyoming	8.03	NA	7.98	8.42	12.14	16.45	
Total	9.74	10.84	9.81	11.07	12.36	16.99	

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					
	August	July	June	May	April	March
Alabama	22.74	22.46	20.44	17.93	17.21	14.52
Alaska	13.78	14.19	13.47	12.34	11.36	10.79
Arizona	20.43	19.19	17.77	16.74	13.74	11.92
Arkansas	21.17	19.03	16.31	12.63	11.35	10.69
California	14.34	14.34	14.58	14.56	NA	13.70
Colorado	13.37	13.25	11.46	8.78	6.59	6.44
Connecticut	23.68	21.91	19.67	15.55	14.28	13.40
Delaware	26.11	24.51	19.40	14.26	NA	NA
District of Columbia	20.63	19.77	16.09	12.64	12.26	10.50
Florida	NA	25.14	22.19	NA	19.91	NA
Georgia	29.48	27.70	23.81	NA	15.71	13.48
Hawaii	37.36	38.17	38.30	35.00	NA	NA
Idaho	9.71	10.12	8.19	7.57	6.90	6.54
Illinois	19.53	18.97	12.65	9.18	7.50	6.99
Indiana	22.18	21.00	18.66	10.72	8.01	7.61
Iowa	18.15	NA	13.70	10.69	7.12	7.00
Kansas	NA	21.05	20.74	13.99	9.80	8.34
Kentucky	26.22	25.01	21.44	15.59	11.07	10.64
Louisiana	17.68	15.98	15.13	13.74	12.89	11.01
Maine	28.00	25.39	20.02	14.47	13.41	13.24
Maryland	22.03	19.29	18.61	14.19	11.92	12.51
Massachusetts	15.71	15.30	13.23	13.57	14.52	14.25
Michigan	14.31	13.97	12.43	9.27	8.28	7.70
Minnesota	11.36	12.76	NA	9.29	7.26	7.04
Mississippi	18.76	17.38	16.49	14.61	NA	11.21
Missouri	NA	23.85	18.86	12.52	10.06	9.04
Montana	11.43	9.78	8.47	7.19	6.61	6.59
Nebraska	15.99	14.35	11.61	8.56	6.90	6.46
Nevada	13.84	13.66	13.21	12.24	10.98	10.23
New Hampshire	23.22	20.38	15.40	11.95	13.07	13.16
New Jersey	13.29	12.99	12.43	9.95	9.55	9.09
New Mexico	12.74	10.54	10.32	7.47	5.70	5.66
New York	19.85	19.36	16.06	11.58	12.10	11.95
North Carolina	20.42	NA	NA	NA	14.05	14.41
North Dakota	20.62	20.23	12.54	7.99	6.08	5.67
Ohio	28.61	27.01	NA	11.12	8.50	7.82
Oklahoma	25.43	23.22	16.93	11.48	8.41	6.87
Oregon	15.58	13.67	NA	12.15	10.01	9.84
Pennsylvania	20.65	19.99	16.44	11.72	11.14	10.90
Rhode Island	21.54	19.88	17.58	15.09	14.38	13.91
South Carolina	26.27	26.07	NA	17.16	16.27	14.10
South Dakota	15.32	14.67	9.91	7.79	6.62	6.83
Tennessee	20.02	17.40	13.36	NA	9.15	NA
Texas	21.59	19.91	18.88	15.96	13.23	9.34
Utah	10.08	9.12	8.89	8.72	NA	8.37
Vermont	23.80	22.06	17.59	13.18	12.25	11.98
Virginia	20.45	19.42	16.18	NA	12.42	11.55
Washington	14.99	14.44	12.99	12.09	11.26	10.28
West Virginia	20.14	18.59	13.78	11.12	10.04	9.39
Wisconsin	14.06	13.28	11.56	7.81	6.71	7.03
Wyoming	NA	16.08	12.12	9.22	8.01	7.47
Total	18.42	17.63	15.37	11.85	10.66	9.85

See footnotes at end of table.

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

State	2020					2019
	February	January	Total	December	November	October
Alabama	14.33	14.77	15.63	14.74	15.64	22.51
Alaska	10.76	10.55	11.11	10.78	11.08	11.48
Arizona	11.17	10.85	13.49	11.45	13.75	17.01
Arkansas	10.39	11.18	11.05	9.78	8.95	18.22
California	14.57	15.02	12.95	12.74	11.87	12.99
Colorado	5.80	5.92	7.77	6.21	6.41	7.45
Connecticut	12.84	12.80	14.61	12.62	13.03	18.52
Delaware	NA	11.38	12.10	11.64	13.19	20.63
District of Columbia	10.63	11.38	12.81	11.25	12.34	18.92
Florida	18.61	NA	21.73	19.65	23.60	25.99
Georgia	12.06	NA	14.87	10.93	12.38	24.55
Hawaii	43.98	43.17	44.14	44.37	44.83	45.19
Idaho	6.22	6.26	6.50	6.17	6.21	6.47
Illinois	6.25	6.36	8.04	6.60	6.35	9.36
Indiana	6.63	7.06	8.68	7.24	7.47	11.17
Iowa	5.99	6.17	8.19	5.99	6.90	9.73
Kansas	6.99	7.22	9.24	7.69	7.63	9.56
Kentucky	8.73	9.59	10.85	9.54	9.00	16.38
Louisiana	10.33	NA	11.51	10.20	11.17	17.33
Maine	14.84	13.70	16.05	13.54	13.03	16.18
Maryland	12.14	11.70	12.55	11.14	11.48	16.86
Massachusetts	14.14	14.19	14.72	14.42	13.56	13.89
Michigan	7.25	7.28	8.08	7.55	7.50	8.46
Minnesota	NA	NA	8.06	7.19	7.22	7.50
Mississippi	9.47	9.40	10.77	9.39	9.47	16.78
Missouri	8.26	8.49	10.41	8.84	9.56	17.53
Montana	6.54	6.52	7.09	6.65	6.84	7.58
Nebraska	6.17	6.35	7.90	6.43	6.91	10.79
Nevada	9.91	9.59	9.50	9.59	10.70	12.29
New Hampshire	13.94	14.24	15.75	13.93	15.11	19.15
New Jersey	9.15	9.56	9.73	9.56	9.92	11.64
New Mexico	NA	6.00	6.40	5.22	6.25	10.00
New York	11.64	11.39	12.61	10.75	12.45	16.89
North Carolina	11.62	11.80	12.88	11.42	11.42	21.77
North Dakota	5.51	5.56	7.00	5.68	6.14	8.52
Ohio	6.99	7.30	9.58	7.45	8.45	15.44
Oklahoma	6.29	6.70	9.40	6.81	9.11	22.17
Oregon	10.39	10.88	9.97	10.19	10.15	9.90
Pennsylvania	10.57	10.38	11.70	10.18	11.08	15.20
Rhode Island	13.79	13.52	15.36	13.55	15.62	19.61
South Carolina	10.84	11.44	13.14	11.15	10.57	26.11
South Dakota	6.27	6.00	7.29	6.33	6.60	8.33
Tennessee	7.61	8.01	9.45	8.04	8.38	16.19
Texas	8.13	8.32	10.61	9.17	9.92	21.00
Utah	8.20	8.17	7.82	8.19	7.25	7.74
Vermont	11.29	11.62	13.14	11.73	13.12	16.80
Virginia	10.94	11.90	12.62	11.86	11.77	18.56
Washington	10.20	10.23	9.82	10.25	10.15	9.30
West Virginia	9.17	9.10	9.90	9.00	9.36	11.78
Wisconsin	6.87	6.78	7.68	6.97	7.08	7.76
Wyoming	7.09	7.04	8.06	7.24	7.54	9.97
Total	9.12	9.51	10.51	9.30	9.33	12.50

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					
	September	August	July	June	May	April
Alabama	23.31	23.15	22.49	21.35	18.65	15.55
Alaska	12.62	14.78	15.28	13.82	11.58	11.05
Arizona	20.61	21.62	20.46	18.25	16.18	14.33
Arkansas	20.57	20.91	19.68	18.27	14.59	10.89
California	12.66	12.87	13.45	12.62	12.69	12.95
Colorado	12.82	14.14	13.49	11.32	8.74	8.20
Connecticut	22.69	24.91	23.91	20.41	17.06	15.30
Delaware	23.50	24.38	23.29	19.90	15.77	11.67
District of Columbia	17.32	20.66	21.00	17.79	15.72	12.87
Florida	25.65	26.77	27.05	25.72	22.95	21.14
Georgia	28.93	28.33	27.80	27.11	22.24	14.66
Hawaii	45.36	42.41	43.34	42.98	47.85	48.74
Idaho	8.35	9.83	9.59	8.89	7.60	6.87
Illinois	17.82	18.91	18.49	14.85	10.34	8.46
Indiana	19.56	23.04	20.58	18.97	12.32	9.59
Iowa	19.16	17.17	17.38	14.20	10.97	8.58
Kansas	21.50	21.73	20.64	19.23	14.63	12.53
Kentucky	26.13	26.32	27.08	24.92	19.72	12.03
Louisiana	17.29	16.60	16.92	16.22	14.23	11.17
Maine	23.33	27.02	26.11	20.05	16.05	16.26
Maryland	21.11	21.39	21.20	19.77	15.87	14.36
Massachusetts	16.20	16.99	16.39	14.66	14.70	15.16
Michigan	12.88	14.16	13.21	11.47	9.68	8.44
Minnesota	11.45	13.09	14.66	11.61	8.70	8.07
Mississippi	17.41	17.52	17.19	17.00	13.96	10.58
Missouri	25.23	25.21	24.38	20.20	14.25	10.74
Montana	10.48	12.73	9.87	8.35	7.57	7.04
Nebraska	15.26	16.21	14.75	12.84	9.78	8.02
Nevada	14.66	15.55	14.49	12.61	11.45	9.93
New Hampshire	23.55	24.10	21.56	17.14	15.70	14.81
New Jersey	12.73	13.49	12.78	11.62	10.54	9.16
New Mexico	11.88	9.51	9.79	11.45	6.32	6.21
New York	19.97	20.14	19.86	17.06	13.99	12.09
North Carolina	25.24	21.88	24.37	19.11	23.46	14.93
North Dakota	16.57	21.07	19.82	12.14	8.16	6.62
Ohio	28.78	29.32	27.29	23.29	14.63	9.92
Oklahoma	27.57	27.68	25.83	20.76	15.65	10.64
Oregon	12.98	15.37	13.64	6.72	12.52	11.06
Pennsylvania	19.98	21.15	20.28	18.16	14.79	13.38
Rhode Island	21.49	21.92	20.92	18.12	16.15	15.14
South Carolina	24.81	26.22	24.38	24.06	24.94	14.09
South Dakota	15.70	15.05	12.41	9.70	7.74	7.17
Tennessee	18.86	20.21	18.55	17.55	14.56	9.91
Texas	22.27	22.09	20.05	17.53	15.22	10.46
Utah	9.79	10.09	9.44	7.74	7.58	7.69
Vermont	21.50	22.91	21.66	17.07	13.71	12.65
Virginia	20.73	22.50	21.48	19.89	17.52	13.06
Washington	12.38	15.18	14.27	13.23	11.53	10.11
West Virginia	18.83	18.54	17.64	18.25	13.36	10.34
Wisconsin	13.42	14.36	14.30	11.90	7.82	7.37
Wyoming	17.01	18.08	15.15	9.74	8.72	7.68
Total	17.61	18.38	17.74	15.55	12.76	10.85

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		
	March	February	January
Alabama	14.39	13.88	13.81
Alaska	10.39	10.33	10.14
Arizona	12.05	11.69	11.70
Arkansas	9.77	9.68	10.54
California	13.28	13.08	13.50
Colorado	7.66	7.57	7.22
Connecticut	13.73	13.36	13.18
Delaware	10.60	10.06	10.52
District of Columbia	11.42	11.70	12.23
Florida	20.56	18.19	18.21
Georgia	11.71	11.79	11.22
Hawaii	43.69	42.74	38.92
Idaho	6.11	6.00	6.01
Illinois	7.09	7.17	6.84
Indiana	7.50	7.34	7.24
Iowa	7.83	7.35	7.51
Kansas	7.91	7.68	8.08
Kentucky	8.64	9.19	8.81
Louisiana	10.17	8.94	10.42
Maine	15.77	16.42	15.85
Maryland	11.47	11.20	11.18
Massachusetts	14.68	14.58	14.97
Michigan	7.62	7.47	7.27
Minnesota	7.63	7.82	8.12
Mississippi	9.57	9.45	9.76
Missouri	8.64	8.51	8.86
Montana	6.49	6.57	6.73
Nebraska	6.73	6.92	7.90
Nevada	7.87	7.43	7.26
New Hampshire	14.66	15.51	16.16
New Jersey	9.31	9.27	8.98
New Mexico	6.21	5.57	5.61
New York	10.86	11.44	12.28
North Carolina	10.51	12.54	11.43
North Dakota	5.80	5.85	6.32
Ohio	7.46	7.26	7.39
Oklahoma	7.12	7.04	6.36
Oregon	9.15	8.47	9.60
Pennsylvania	10.82	10.40	10.30
Rhode Island	14.57	14.48	14.70
South Carolina	11.71	11.80	10.94
South Dakota	6.62	6.74	7.02
Tennessee	8.16	8.50	8.46
Texas	8.21	8.23	8.15
Utah	7.57	7.72	7.58
Vermont	11.97	11.77	12.01
Virginia	11.40	11.38	10.73
Washington	8.94	8.34	8.75
West Virginia	9.15	9.09	8.99
Wisconsin	7.37	7.18	7.28
Wyoming	6.91	7.15	7.03
Total	9.42	9.40	9.36

^R Revised data.

^{NA} Not available.

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

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

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

State	2021					2020
	January	Total	December	November	October	September
Alabama	11.34	12.08	11.32	12.17	12.39	12.38
Alaska	9.64	NA	9.67	9.82	9.81	10.29
Arizona	6.84	6.91	6.55	6.81	7.10	7.11
Arkansas	7.27	7.45	7.59	7.65	6.94	7.82
California	12.37	9.86	10.96	10.18	9.32	9.29
Colorado	6.16	6.24	6.26	6.59	7.18	7.82
Connecticut	8.67	NA	8.63	NA	NA	11.44
Delaware	9.65	NA	9.99	11.49	12.46	15.18
District of Columbia	10.35	10.97	10.53	11.95	11.56	12.26
Florida	NA	NA	12.06	11.81	11.74	NA
Georgia	7.34	7.58	6.56	8.16	8.20	8.09
Hawaii	29.06	NA	26.31	25.38	25.28	24.86
Idaho	5.48	5.59	5.51	5.65	5.53	5.77
Illinois	5.95	6.85	6.02	6.96	7.61	13.00
Indiana	6.27	6.86	6.04	7.34	6.87	8.64
Iowa	5.10	5.80	5.88	6.71	6.09	7.91
Kansas	7.03	7.52	7.19	8.00	8.20	12.64
Kentucky	7.62	8.68	7.58	9.01	9.21	12.42
Louisiana	9.24	NA	9.11	9.75	8.63	NA
Maine	NA	NA	11.18	11.42	NA	12.13
Maryland	10.00	10.81	10.44	12.46	12.74	13.17
Massachusetts	11.77	11.03	11.90	9.56	7.31	10.11
Michigan	6.72	6.87	6.75	7.06	7.28	8.56
Minnesota	6.35	NA	6.67	6.80	5.89	7.42
Mississippi	NA	NA	8.84	9.76	9.24	9.00
Missouri	6.47	NA	6.92	7.50	8.71	9.77
Montana	6.94	NA	6.98	7.33	NA	8.77
Nebraska	5.77	5.33	6.23	5.59	6.00	5.94
Nevada	5.62	7.25	5.79	6.04	6.74	7.33
New Hampshire	11.21	11.29	12.04	12.25	14.82	16.72
New Jersey	8.64	8.80	9.12	9.98	9.53	9.91
New Mexico	5.83	NA	5.74	5.38	6.17	5.51
New York	7.37	6.91	7.30	6.64	6.46	6.16
North Carolina	8.44	NA	8.54	NA	10.39	8.96
North Dakota	5.28	5.26	5.21	5.44	4.92	5.43
Ohio	5.34	NA	5.42	5.65	6.21	7.65
Oklahoma	5.65	6.87	6.54	7.32	11.47	13.33
Oregon	NA	NA	8.02	8.26	8.42	9.68
Pennsylvania	8.26	NA	8.47	8.29	9.76	9.85
Rhode Island	11.95	12.31	12.30	13.23	16.57	18.52
South Carolina	9.49	8.57	8.61	9.72	8.70	8.55
South Dakota	5.26	5.28	5.12	5.35	5.66	5.96
Tennessee	7.76	NA	7.15	8.12	8.44	8.45
Texas	NA	NA	6.87	7.69	7.16	8.09
Utah	7.13	NA	7.14	6.58	6.75	6.72
Vermont	6.12	5.46	6.14	5.79	4.67	5.55
Virginia	7.90	NA	8.23	NA	8.05	8.92
Washington	NA	8.80	8.99	8.75	8.59	9.71
West Virginia	7.52	8.12	7.49	7.79	8.76	9.87
Wisconsin	5.57	NA	6.00	6.13	NA	5.96
Wyoming	6.91	NA	6.53	6.42	7.16	7.83
Total	7.43	7.48	7.42	7.66	7.62	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	2020					
	August	July	June	May	April	March
Alabama	12.91	12.89	12.79	12.58	12.45	11.80
Alaska	10.57	10.86	NA	10.30	9.91	9.80
Arizona	7.02	6.99	7.11	7.98	7.37	6.81
Arkansas	8.14	7.95	7.88	7.19	7.10	7.24
California	9.17	9.13	9.09	9.62	9.58	9.64
Colorado	9.24	9.78	8.61	6.69	5.72	5.47
Connecticut	11.30	10.72	12.17	9.35	9.57	8.53
Delaware	15.05	14.73	13.88	11.97	NA	10.48
District of Columbia	11.91	13.40	12.22	10.99	11.69	9.84
Florida	NA	11.32	11.15	NA	10.92	NA
Georgia	8.13	8.48	8.34	8.28	8.26	7.18
Hawaii	26.28	28.14	26.88	23.80	22.47	NA
Idaho	6.15	6.37	5.91	5.99	5.78	5.49
Illinois	15.13	13.96	11.50	8.34	6.71	6.09
Indiana	11.35	11.67	11.73	8.20	6.40	6.49
Iowa	7.74	7.64	7.05	6.93	5.24	5.31
Kansas	13.46	12.89	11.83	11.21	7.78	6.75
Kentucky	12.83	12.81	12.54	11.25	8.84	8.22
Louisiana	7.10	NA	6.88	7.55	7.57	8.23
Maine	13.58	13.24	11.66	10.53	10.72	10.82
Maryland	14.01	12.28	11.85	11.74	9.74	10.43
Massachusetts	10.36	10.69	9.71	10.75	11.74	11.36
Michigan	9.66	9.60	9.20	7.77	7.15	6.46
Minnesota	6.80	7.94	NA	6.70	5.77	5.86
Mississippi	8.43	8.04	8.03	8.17	NA	9.06
Missouri	NA	9.91	9.19	7.93	7.07	6.77
Montana	9.67	8.98	8.15	6.95	6.44	6.48
Nebraska	5.47	5.27	5.09	4.61	4.73	4.98
Nevada	7.52	7.75	8.51	8.62	8.04	7.82
New Hampshire	18.08	16.51	12.65	9.55	10.12	9.88
New Jersey	9.90	9.96	7.81	8.30	7.98	8.67
New Mexico	6.07	5.05	4.44	3.76	3.61	3.97
New York	5.69	6.02	6.05	6.13	6.83	7.45
North Carolina	8.95	10.73	NA	9.65	9.84	9.67
North Dakota	6.49	6.68	5.73	5.17	4.84	5.08
Ohio	7.56	7.25	NA	6.33	5.31	5.40
Oklahoma	15.50	12.15	11.47	8.94	6.86	5.47
Oregon	9.77	9.18	NA	8.79	7.80	7.80
Pennsylvania	12.65	12.05	NA	NA	8.64	NA
Rhode Island	19.35	17.93	14.92	12.41	11.67	11.23
South Carolina	8.30	7.80	7.83	8.49	9.33	8.71
South Dakota	7.31	7.31	6.17	5.52	5.01	5.24
Tennessee	9.19	8.49	7.83	NA	7.46	NA
Texas	7.92	7.22	NA	7.07	6.02	5.63
Utah	6.86	6.53	6.59	6.60	NA	7.02
Vermont	4.32	4.15	4.76	5.73	5.28	5.70
Virginia	8.64	8.81	9.33	7.88	7.88	8.03
Washington	9.33	9.90	8.84	9.08	9.25	8.59
West Virginia	10.81	10.73	9.84	9.00	8.31	7.85
Wisconsin	6.28	5.91	6.18	4.96	5.06	5.66
Wyoming	NA	7.55	7.10	6.70	6.44	6.18
Total	8.51	8.50	8.19	7.74	7.28	7.32

See footnotes at end of table.

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

State	2020				2019	
	February	January	Total	December	November	October
Alabama	11.77	11.99	11.87	11.82	11.78	12.66
Alaska	9.79	9.84	9.89	9.99	10.09	10.32
Arizona	6.69	6.63	7.29	6.73	6.90	7.18
Arkansas	7.33	7.53	7.68	6.90	6.75	8.35
California	10.09	10.47	9.41	10.01	8.79	8.73
Colorado	5.35	5.51	6.92	5.74	5.87	6.43
Connecticut	8.56	8.30	9.75	8.11	8.52	10.71
Delaware	NA	9.87	10.04	10.05	10.51	12.22
District of Columbia	10.24	10.85	11.23	9.88	11.19	11.10
Florida	11.13	NA	11.46	11.29	11.60	11.47
Georgia	7.12	7.53	8.21	7.27	7.60	8.53
Hawaii	31.23	30.57	30.26	28.35	32.09	31.07
Idaho	5.41	5.41	5.44	5.40	5.40	5.24
Illinois	5.58	5.61	7.02	5.74	5.64	7.44
Indiana	5.71	6.30	6.97	6.28	6.19	6.81
Iowa	4.94	5.23	6.03	4.99	5.34	5.36
Kansas	5.88	6.34	7.68	6.49	6.28	7.74
Kentucky	7.36	8.06	8.60	7.94	7.53	10.29
Louisiana	8.66	9.43	8.41	8.68	8.24	8.35
Maine	12.26	11.50	12.62	11.14	10.24	10.70
Maryland	9.46	10.06	10.14	9.60	9.22	10.40
Massachusetts	11.29	11.31	11.32	11.69	10.36	9.42
Michigan	6.18	6.22	6.81	6.49	6.49	6.93
Minnesota	NA	NA	6.63	6.24	5.88	5.38
Mississippi	8.33	8.30	8.48	8.31	8.13	8.76
Missouri	6.64	6.76	7.67	6.88	7.63	9.28
Montana	6.40	6.45	6.89	6.53	6.67	7.08
Nebraska	5.08	5.37	5.83	5.32	4.92	5.27
Nevada	7.57	7.34	6.49	7.24	7.50	7.72
New Hampshire	10.56	10.95	12.48	11.02	11.70	13.85
New Jersey	8.43	8.62	9.05	8.74	9.47	8.92
New Mexico	NA	4.71	4.56	4.03	4.68	5.41
New York	7.45	7.58	7.21	6.98	6.61	6.72
North Carolina	8.27	8.35	8.76	8.68	7.85	9.08
North Dakota	5.21	5.31	5.67	5.29	5.26	5.30
Ohio	5.20	5.35	5.97	5.39	5.45	6.40
Oklahoma	5.11	5.28	7.28	5.45	7.33	13.77
Oregon	8.06	8.32	7.88	8.08	7.92	7.95
Pennsylvania	8.78	8.69	9.49	8.55	8.67	10.88
Rhode Island	11.18	10.84	12.87	10.79	13.11	17.15
South Carolina	8.10	8.51	8.58	8.76	7.92	8.73
South Dakota	4.98	4.89	5.50	5.01	5.14	5.41
Tennessee	7.27	7.67	8.10	7.55	7.07	8.59
Texas	5.20	5.55	6.18	5.94	5.84	7.51
Utah	6.92	6.89	6.35	6.91	6.00	5.91
Vermont	5.77	5.73	6.01	5.79	5.68	4.69
Virginia	7.81	8.80	8.53	8.50	7.89	9.12
Washington	8.33	8.45	7.49	8.36	8.35	7.26
West Virginia	7.68	7.65	8.02	7.49	7.62	8.76
Wisconsin	5.82	5.74	6.14	5.96	5.94	5.56
Wyoming	6.08	6.17	6.30	6.21	6.22	6.89
Total	6.87	7.25	7.61	7.19	6.98	7.64

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

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		
	March	February	January
Alabama	11.54	11.47	11.42
Alaska	9.53	9.41	9.39
Arizona	7.35	7.45	7.44
Arkansas	7.47	7.48	7.74
California	10.49	9.89	10.40
Colorado	7.23	7.17	6.88
Connecticut	9.44	9.35	9.10
Delaware	9.53	9.14	9.05
District of Columbia	11.02	11.14	11.52
Florida	11.20	11.27	10.98
Georgia	7.77	7.90	9.29
Hawaii	30.85	29.48	26.56
Idaho	5.30	5.30	5.32
Illinois	6.38	6.63	6.36
Indiana	6.41	6.44	6.48
Iowa	6.38	6.03	6.45
Kansas	6.92	6.86	7.41
Kentucky	7.53	7.86	7.70
Louisiana	8.38	8.16	9.32
Maine	13.21	13.86	13.70
Maryland	9.47	10.47	9.18
Massachusetts	11.65	11.46	11.80
Michigan	6.58	6.51	6.41
Minnesota	6.54	7.11	7.16
Mississippi	8.51	8.72	9.08
Missouri	7.19	7.04	7.42
Montana	6.48	6.51	6.72
Nebraska	5.64	6.10	6.90
Nevada	5.36	5.24	5.38
New Hampshire	11.77	12.56	13.03
New Jersey	8.99	9.13	9.73
New Mexico	4.79	4.59	4.69
New York	7.45	7.88	8.44
North Carolina	7.77	9.46	8.77
North Dakota	5.46	5.70	6.15
Ohio	5.59	5.70	6.00
Oklahoma	6.04	5.92	5.30
Oregon	7.71	7.39	7.94
Pennsylvania	9.16	9.02	8.56
Rhode Island	12.21	12.13	12.30
South Carolina	8.40	9.05	9.10
South Dakota	5.24	5.48	5.86
Tennessee	7.68	8.29	8.26
Texas	5.68	5.87	5.92
Utah	6.42	6.50	6.41
Vermont	6.57	6.65	6.98
Virginia	8.03	8.51	8.29
Washington	6.75	6.62	6.74
West Virginia	7.65	7.67	7.55
Wisconsin	6.36	6.44	6.52
Wyoming	5.85	6.09	6.04
Total	7.41	7.55	7.67

^R Revised data.

^{NA} Not available.

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

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

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

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

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					
	August	July	June	May	April	March
Alabama	3.23	2.83	2.93	3.07	3.03	3.56
Alaska	3.50	NA	5.44	4.74	5.54	6.25
Arizona	3.65	4.09	4.48	3.80	3.77	3.03
Arkansas	6.43	5.89	5.50	5.12	5.58	6.00
California	6.76	6.77	6.86	6.69	7.26	7.77
Colorado	6.40	6.61	7.33	4.45	4.29	4.27
Connecticut	6.03	5.77	6.24	5.43	6.35	6.14
Delaware	10.12	11.81	11.51	11.77	10.66	10.45
District of Columbia	--	--	--	--	--	--
Florida	NA	5.65	5.27	NA	5.46	NA
Georgia	NA	2.67	3.20	NA	3.25	3.41
Hawaii	20.67	20.27	18.43	16.78	18.52	21.57
Idaho	3.58	3.58	3.77	3.65	3.69	3.65
Illinois	NA	3.23	NA	4.44	4.82	4.18
Indiana	6.37	6.72	6.91	5.94	4.80	5.09
Iowa	4.00	3.49	3.46	3.95	3.76	3.99
Kansas	3.41	2.89	3.09	3.08	3.73	4.60
Kentucky	2.89	2.64	2.84	3.36	3.25	3.30
Louisiana	NA	2.33	2.24	2.18	2.42	2.55
Maine	4.65	4.59	6.02	5.64	9.45	8.72
Maryland	8.98	6.74	7.34	7.88	7.73	9.12
Massachusetts	6.15	7.44	7.30	9.67	10.41	10.10
Michigan	6.88	6.26	6.79	6.08	6.17	5.74
Minnesota	NA	3.50	3.73	3.87	3.54	3.91
Mississippi	3.60	3.54	3.45	3.75	3.85	3.98
Missouri	4.90	4.96	5.14	5.14	5.82	5.96
Montana	6.43	6.70	5.73	6.06	5.97	5.66
Nebraska	3.16	3.22	3.20	3.12	3.52	3.71
Nevada	5.86	6.14	6.38	6.75	6.67	6.84
New Hampshire	7.00	6.14	5.58	6.35	7.85	8.25
New Jersey	6.95	NA	6.12	6.36	6.06	6.94
New Mexico	2.88	2.55	1.96	NA	2.08	3.22
New York	6.16	6.25	6.09	6.45	7.41	8.22
North Carolina	4.84	4.94	5.07	4.88	5.08	5.17
North Dakota	1.73	1.66	1.75	1.93	1.66	1.91
Ohio	5.67	5.11	5.53	5.30	5.00	NA
Oklahoma	2.18	NA	2.01	1.97	1.43	1.78
Oregon	4.84	4.59	NA	4.82	4.72	4.94
Pennsylvania	7.95	8.05	8.16	7.63	7.67	7.86
Rhode Island	NA	9.17	9.09	9.50	9.38	9.15
South Carolina	3.40	3.44	3.23	3.46	3.56	3.75
South Dakota	5.51	5.34	4.73	4.38	3.88	3.93
Tennessee	3.17	3.19	3.31	NA	3.77	NA
Texas	2.15	1.72	1.87	1.97	1.84	2.02
Utah	4.76	4.92	4.73	4.68	4.91	NA
Vermont	3.52	3.34	3.47	3.66	3.48	3.73
Virginia	3.46	3.57	3.72	NA	3.59	3.54
Washington	7.60	7.63	7.52	8.06	8.15	NA
West Virginia	2.09	1.73	2.07	2.33	NA	2.52
Wisconsin	4.30	2.73	3.91	3.67	4.27	4.88
Wyoming	4.48	3.91	3.90	4.36	4.28	NA
Total	2.92	2.55	2.72	2.86	2.96	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	2020					2019
	February	January	Total	December	November	October
Alabama	3.73	3.83	3.95	4.07	3.96	3.63
Alaska	6.04	5.72	5.85	5.73	5.98	6.00
Arizona	3.50	3.53	4.12	3.64	3.58	3.93
Arkansas	6.13	6.46	6.25	5.75	5.63	6.83
California	8.35	9.02	7.69	8.58	7.16	6.97
Colorado	4.08	3.98	5.36	4.32	4.31	5.20
Connecticut	6.09	6.05	6.82	6.14	5.88	6.01
Delaware	9.88	9.74	9.67	9.93	10.60	9.88
District of Columbia	--	--	--	--	--	--
Florida	5.91	NA	6.16	5.95	5.80	5.65
Georgia	3.58	3.85	4.23	4.03	4.05	3.91
Hawaii	24.91	25.02	22.93	23.54	36.52	23.56
Idaho	3.52	3.67	3.60	3.61	3.48	3.55
Illinois	4.31	4.36	5.25	4.13	4.08	4.98
Indiana	5.00	5.05	5.76	5.35	5.12	4.78
Iowa	3.95	4.59	4.93	4.84	4.73	4.69
Kansas	4.99	NA	3.97	4.95	4.43	4.17
Kentucky	3.63	3.74	4.06	3.89	4.00	3.57
Louisiana	2.82	3.07	3.36	3.19	3.06	2.86
Maine	8.87	8.79	8.67	8.81	8.51	5.70
Maryland	8.55	10.11	10.07	10.42	8.87	10.08
Massachusetts	10.05	10.26	9.92	10.04	8.95	7.58
Michigan	5.65	5.64	6.01	5.91	5.81	6.02
Minnesota	NA	NA	4.44	4.61	4.79	3.32
Mississippi	3.90	4.15	4.70	4.77	4.47	4.20
Missouri	6.11	6.37	6.20	5.94	5.83	5.58
Montana	5.93	5.67	5.85	5.84	5.82	5.58
Nebraska	4.12	4.31	4.27	4.33	3.82	3.70
Nevada	6.65	6.50	5.81	6.23	7.90	7.34
New Hampshire	9.26	9.62	9.45	13.88	8.36	6.57
New Jersey	NA	NA	7.63	6.99	7.88	6.67
New Mexico	NA	3.99	3.48	3.64	3.96	3.69
New York	7.94	8.45	7.70	7.46	7.06	6.04
North Carolina	5.29	5.30	5.78	5.36	5.16	5.13
North Dakota	2.19	NA	2.82	3.04	2.96	2.82
Ohio	5.07	5.62	6.21	5.85	6.15	9.49
Oklahoma	1.98	1.98	2.50	2.32	2.52	2.08
Oregon	5.04	5.07	4.62	4.88	4.86	4.49
Pennsylvania	7.99	7.95	8.52	8.55	6.00	6.34
Rhode Island	8.88	8.14	9.70	8.17	9.34	9.73
South Carolina	4.03	4.19	4.67	4.42	5.22	3.04
South Dakota	3.99	4.17	4.78	4.18	4.07	9.65
Tennessee	4.37	4.60	4.68	4.89	4.59	3.93
Texas	2.08	2.30	2.88	2.54	2.78	2.56
Utah	5.38	5.63	5.00	5.68	4.92	4.55
Vermont	3.73	3.81	4.13	4.03	3.99	3.60
Virginia	NA	NA	4.66	8.79	3.80	3.60
Washington	NA	8.01	6.86	8.44	7.98	4.17
West Virginia	2.68	NA	3.04	2.99	3.09	2.47
Wisconsin	4.75	4.59	5.06	5.06	5.20	4.66
Wyoming	4.67	3.99	3.91	3.78	3.87	4.21
Total	3.54	3.66	3.90	3.88	3.86	3.42

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

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		
	March	February	January
Alabama	4.25	4.45	4.79
Alaska	6.11	6.19	6.10
Arizona	4.82	5.02	4.97
Arkansas	6.34	6.39	6.57
California	9.01	8.61	9.12
Colorado	5.73	6.04	5.75
Connecticut	7.54	7.24	7.22
Delaware	9.10	9.21	9.46
District of Columbia	--	--	--
Florida	6.49	6.61	7.62
Georgia	4.51	4.81	5.36
Hawaii	21.11	20.77	19.84
Idaho	3.64	3.62	3.58
Illinois	6.00	5.29	5.35
Indiana	5.73	5.71	5.92
Iowa	5.57	5.36	5.66
Kansas	6.30	7.00	7.56
Kentucky	3.89	5.37	5.26
Louisiana	3.63	4.33	5.12
Maine	10.89	11.02	11.00
Maryland	9.88	11.34	9.72
Massachusetts	10.67	10.90	11.10
Michigan	5.82	5.99	5.88
Minnesota	4.59	5.19	5.51
Mississippi	4.95	5.65	6.22
Missouri	6.61	6.62	7.05
Montana	5.91	6.12	6.14
Nebraska	4.21	4.89	5.75
Nevada	4.65	4.32	4.37
New Hampshire	9.34	11.19	11.49
New Jersey	7.85	8.34	9.33
New Mexico	4.08	4.66	4.76
New York	8.28	8.95	9.15
North Carolina	5.79	6.86	6.99
North Dakota	3.38	3.78	4.47
Ohio	6.07	6.32	6.02
Oklahoma	2.87	3.26	3.80
Oregon	4.62	4.77	4.67
Pennsylvania	9.31	9.18	9.59
Rhode Island	9.62	9.59	9.70
South Carolina	5.04	5.21	6.02
South Dakota	5.14	4.66	5.13
Tennessee	5.26	5.55	5.92
Texas	3.05	3.27	3.92
Utah	5.54	5.42	5.57
Vermont	4.43	4.48	4.80
Virginia	4.33	4.27	5.12
Washington	6.84	6.70	5.46
West Virginia	3.53	3.53	4.07
Wisconsin	5.58	5.37	5.74
Wyoming	3.83	4.22	4.14
Total	4.31	4.62	5.02

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

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

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

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

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					
	August	July	June	May	April	March
Alabama	W	W	W	W	W	W
Alaska	7.82	7.86	7.86	7.86	7.86	7.87
Arizona	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W
California	W	2.50	W	W	2.40	2.58
Colorado	W	W	W	W	W	W
Connecticut	1.88	1.81	1.71	1.78	1.81	2.40
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	W	W	W	W	W	W
Georgia	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--
Idaho	2.37	1.91	2.93	5.03	--	2.40
Illinois	W	1.89	W	W	W	W
Indiana	2.36	W	1.84	1.93	1.92	1.93
Iowa	2.15	1.87	1.86	1.87	1.86	1.81
Kansas	2.74	2.52	2.42	3.00	2.33	2.06
Kentucky	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W
Maine	W	W	W	W	--	--
Maryland	2.49	2.17	2.04	2.25	W	2.41
Massachusetts	2.15	2.88	W	W	W	W
Michigan	2.37	1.99	1.86	2.06	1.96	1.93
Minnesota	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Montana	2.08	1.64	1.56	1.65	1.65	1.01
Nebraska	2.86	2.44	2.32	3.66	3.23	3.80
Nevada	2.56	2.16	2.20	2.33	2.18	2.35
New Hampshire	W	W	W	W	W	--
New Jersey	1.54	1.72	1.62	1.57	1.69	2.19
New Mexico	1.64	1.65	1.78	1.81	0.78	0.90
New York	1.85	1.82	1.70	1.72	1.71	2.19
North Carolina	W	W	W	W	W	W
North Dakota	2.99	2.57	1.85	2.79	2.06	2.73
Ohio	1.97	1.75	1.67	1.79	1.78	1.79
Oklahoma	W	W	W	W	W	W
Oregon	W	W	W	W	W	W
Pennsylvania	1.53	1.65	1.53	1.53	1.60	1.64
Rhode Island	W	W	W	W	W	W
South Carolina	2.83	2.45	2.39	2.62	2.70	2.72
South Dakota	--	--	--	--	--	--
Tennessee	2.36	2.05	2.10	2.41	2.31	2.58
Texas	2.31	1.91	1.77	1.95	1.81	1.76
Utah	2.22	1.93	2.01	2.12	1.96	2.09
Vermont	--	--	--	--	--	--
Virginia	2.12	2.02	2.09	2.08	2.13	2.30
Washington	W	W	W	W	W	W
West Virginia	W	W	W	W	W	W
Wisconsin	W	W	W	W	W	W
Wyoming	W	W	1.77	W	W	W
Total	2.47	2.10	2.08	2.25	2.20	2.23

See footnotes at end of table.

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

State	2020					2019
	February	January	Total	December	November	October
Alabama	W	W	W	W	W	W
Alaska	7.87	7.87	7.84	7.87	7.87	7.87
Arizona	W	W	W	W	W	W
Arkansas	W	W	W	W	2.74	W
California	2.92	3.56	3.87	4.00	3.55	3.24
Colorado	W	W	W	W	W	W
Connecticut	2.89	3.97	3.48	4.93	3.63	2.13
Delaware	W	--	W	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	W	W	W	W	W	W
Georgia	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--
Idaho	1.93	2.44	4.22	3.65	3.20	3.70
Illinois	W	W	W	W	W	W
Indiana	W	2.32	2.72	2.40	2.75	2.19
Iowa	2.11	2.37	2.71	2.50	2.72	2.20
Kansas	2.85	2.71	2.86	4.60	3.14	2.05
Kentucky	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W
Maine	--	W	W	--	--	W
Maryland	2.52	2.96	3.21	3.45	3.42	2.41
Massachusetts	W	6.00	4.73	6.07	W	2.41
Michigan	2.10	2.25	2.74	2.49	2.87	2.23
Minnesota	W	2.59	W	2.98	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	2.63	W
Montana	1.54	1.99	1.65	2.28	2.12	1.95
Nebraska	5.53	5.78	3.12	4.33	3.88	3.21
Nevada	2.68	3.76	3.20	4.17	3.14	2.61
New Hampshire	W	W	W	W	W	W
New Jersey	2.34	2.58	2.91	2.66	2.75	2.41
New Mexico	1.04	1.36	1.30	1.83	1.78	1.60
New York	2.70	3.09	3.03	3.28	3.09	2.03
North Carolina	W	W	W	W	W	W
North Dakota	2.37	3.54	3.50	2.76	3.13	3.28
Ohio	1.89	2.07	2.56	2.34	2.59	1.97
Oklahoma	W	W	W	W	W	W
Oregon	W	W	W	W	W	W
Pennsylvania	1.92	2.09	2.42	2.36	2.46	1.68
Rhode Island	W	W	W	W	W	W
South Carolina	2.75	2.95	3.25	3.25	3.27	2.97
South Dakota	--	--	W	--	--	--
Tennessee	2.31	2.50	2.86	2.76	2.77	2.78
Texas	1.87	1.96	2.44	2.17	2.53	2.34
Utah	2.48	3.61	3.20	3.94	2.94	2.55
Vermont	--	--	W	--	--	--
Virginia	3.92	3.53	3.33	3.70	3.27	2.39
Washington	W	W	W	W	W	W
West Virginia	W	W	W	2.44	2.55	W
Wisconsin	W	W	W	W	W	W
Wyoming	W	W	W	W	W	W
Total	2.50	2.74	2.99	3.05	3.08	2.58

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

See footnotes at end of table.

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

State	2019		
	March	February	January
Alabama	W	W	W
Alaska	7.72	7.72	7.72
Arizona	W	W	W
Arkansas	W	W	W
California	4.53	W	W
Colorado	W	W	W
Connecticut	4.10	5.34	7.12
Delaware	--	--	--
District of Columbia	--	--	--
Florida	W	W	W
Georgia	W	W	W
Hawaii	--	--	--
Idaho	40.19	8.54	3.48
Illinois	W	W	3.92
Indiana	W	W	3.44
Iowa	2.75	7.22	3.12
Kansas	5.76	3.93	4.00
Kentucky	W	W	W
Louisiana	W	W	W
Maine	W	W	--
Maryland	3.50	3.71	5.34
Massachusetts	5.22	W	W
Michigan	3.33	3.08	3.53
Minnesota	W	W	W
Mississippi	W	W	W
Missouri	W	W	W
Montana	2.98	2.77	1.79
Nebraska	4.02	3.83	4.01
Nevada	4.36	5.13	4.53
New Hampshire	W	W	W
New Jersey	3.71	3.99	4.58
New Mexico	1.47	2.28	2.72
New York	3.90	4.45	5.75
North Carolina	W	W	W
North Dakota	4.39	4.77	6.16
Ohio	3.09	2.92	3.40
Oklahoma	W	W	W
Oregon	W	W	W
Pennsylvania	2.88	3.01	3.66
Rhode Island	W	W	W
South Carolina	3.55	3.45	4.20
South Dakota	--	--	--
Tennessee	3.11	3.09	3.50
Texas	2.83	2.82	3.21
Utah	4.22	5.49	4.49
Vermont	--	--	--
Virginia	3.87	W	W
Washington	W	W	W
West Virginia	3.58	3.30	3.66
Wisconsin	3.45	3.64	3.72
Wyoming	W	3.10	W
Total	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						2020		
	January			Total			December		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	84.0	25.2	100.0	77.4	23.4	100.0	78.7	24.7
Alaska	100.0	99.6	36.1	100.0	NA	NA	100.0	99.8	37.2
Arizona	100.0	75.2	21.8	100.0	72.1	21.0	100.0	73.6	20.0
Arkansas	100.0	50.2	1.9	100.0	36.5	NA	100.0	41.8	1.5
California	95.8	55.6	4.7	NA	50.7	4.4	95.7	56.8	5.2
Colorado	100.0	95.1	11.2	100.0	94.2	8.5	100.0	95.8	11.2
Connecticut	96.8	80.3	50.2	NA	NA	NA	96.2	78.6	48.5
Delaware	100.0	40.7	0.3	NA	NA	NA	100.0	33.8	NA
District of Columbia	76.0	22.9	0.0	73.9	NA	0.0	73.7	21.5	0.0
Florida	NA	NA	NA	NA	NA	NA	91.4	30.1	3.1
Georgia	100.0	100.0	20.2	NA	100.0	NA	100.0	100.0	20.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	82.9	3.4	100.0	76.7	3.3	100.0	84.3	3.5
Illinois	89.8	40.5	8.8	88.2	34.4	NA	90.7	41.2	7.9
Indiana	95.8	70.2	2.2	96.4	64.9	1.5	96.9	69.1	2.1
Iowa	100.0	70.9	3.4	NA	63.9	NA	100.0	69.8	3.6
Kansas	100.0	62.4	1.5	NA	47.8	NA	100.0	59.6	1.7
Kentucky	97.7	83.0	16.0	97.7	78.3	16.3	98.3	83.6	16.5
Louisiana	100.0	77.0	2.8	NA	NA	NA	100.0	74.4	2.4
Maine	100.0	NA	9.3	NA	NA	NA	100.0	65.5	9.0
Maryland	79.3	34.6	4.4	77.6	26.3	NA	78.5	35.0	NA
Massachusetts	98.3	44.3	28.1	NA	NA	NA	98.4	43.2	27.3
Michigan	95.1	63.9	9.5	94.6	58.1	NA	95.4	64.5	9.2
Minnesota	100.0	91.6	20.4	NA	NA	NA	100.0	91.3	18.9
Mississippi	NA	NA	8.6	NA	NA	9.0	100.0	85.9	8.8
Missouri	100.0	78.5	15.8	100.0	NA	11.9	100.0	74.4	13.3
Montana	99.7	52.9	1.7	NA	NA	1.3	99.7	51.4	1.7
Nebraska	88.5	61.0	5.5	87.8	55.4	NA	87.4	58.5	5.2
Nevada	100.0	70.3	23.7	100.0	62.2	NA	100.0	68.8	22.9
New Hampshire	100.0	61.6	10.3	100.0	59.7	6.6	100.0	59.9	9.5
New Jersey	97.0	50.1	11.0	96.8	42.9	NA	97.0	45.6	8.3
New Mexico	100.0	61.9	9.9	NA	NA	NA	100.0	56.9	12.6
New York	100.0	100.0	7.7	100.0	100.0	NA	100.0	100.0	5.6
North Carolina	100.0	90.2	15.2	NA	NA	12.0	100.0	90.0	13.7
North Dakota	100.0	95.0	35.4	100.0	93.9	NA	100.0	95.2	35.5
Ohio	100.0	100.0	1.1	NA	NA	NA	100.0	100.0	1.1
Oklahoma	100.0	52.1	7.1	100.0	43.9	NA	100.0	41.8	7.1
Oregon	100.0	NA	17.6	NA	NA	NA	100.0	96.5	17.4
Pennsylvania	86.8	39.4	1.7	86.1	NA	1.1	87.2	38.2	1.5
Rhode Island	100.0	53.6	4.4	100.0	51.6	NA	100.0	53.0	4.7
South Carolina	100.0	92.5	35.0	NA	90.5	36.1	100.0	92.5	36.0
South Dakota	100.0	80.1	4.0	100.0	78.2	4.2	100.0	79.4	4.1
Tennessee	100.0	92.6	24.1	NA	NA	NA	100.0	91.6	24.1
Texas	NA	NA	29.1	NA	NA	30.1	99.9	77.5	31.6
Utah	100.0	72.8	2.9	NA	NA	NA	100.0	71.9	2.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.5	59.8	14.6	NA	NA	NA	91.8	60.8	14.0
Washington	NA	NA	NA	100.0	85.5	NA	100.0	89.0	7.6
West Virginia	100.0	65.2	2.4	100.0	52.9	NA	100.0	62.5	2.2
Wisconsin	100.0	76.4	20.7	100.0	NA	16.2	100.0	76.3	17.8
Wyoming	68.5	57.6	NA	NA	NA	NA	68.5	58.6	1.5
Total	96.7	70.4	13.4	96.3	64.6	13.0	96.8	69.6	13.7

See footnotes at end of table.

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

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

See footnotes at end of table.

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

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

See footnotes at end of table.

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

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

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						2019		
	February			January			Total		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	83.4	24.5	100.0	81.5	23.8	100.0	78.5	23.5
Alaska	100.0	99.7	42.8	100.0	99.4	38.8	100.0	98.4	37.2
Arizona	100.0	76.4	21.4	100.0	75.9	20.2	100.0	81.5	18.2
Arkansas	100.0	49.8	1.8	100.0	48.1	1.7	100.0	39.2	1.6
California	95.2	53.6	5.5	95.3	57.0	4.0	95.0	52.9	4.2
Colorado	100.0	94.9	9.5	100.0	95.4	11.3	100.0	94.1	8.2
Connecticut	96.6	78.8	51.1	96.6	80.2	50.8	96.3	77.6	51.2
Delaware	NA	NA	0.4	100.0	42.2	0.4	100.0	35.7	0.3
District of Columbia	75.6	22.3	0.0	74.8	21.2	0.0	75.5	20.7	--
Florida	91.4	31.5	3.9	NA	NA	NA	91.3	29.2	3.3
Georgia	100.0	100.0	25.8	NA	100.0	24.3	100.0	100.0	25.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	83.3	3.2	100.0	83.5	3.0	100.0	76.7	2.9
Illinois	88.2	39.4	9.3	88.8	40.8	9.0	87.5	35.2	6.5
Indiana	96.1	69.7	2.4	97.4	68.3	2.0	96.3	66.3	1.5
Iowa	100.0	70.0	3.6	100.0	70.5	2.8	100.0	67.0	3.0
Kansas	100.0	60.7	1.5	100.0	64.2	NA	100.0	52.1	5.9
Kentucky	97.6	83.1	16.4	97.6	82.6	17.1	97.5	78.7	16.3
Louisiana	100.0	76.1	3.1	NA	76.6	3.3	100.0	75.4	3.3
Maine	100.0	67.4	8.7	100.0	65.7	8.9	100.0	63.3	8.0
Maryland	77.3	28.2	8.0	77.6	34.1	9.8	76.2	25.4	3.5
Massachusetts	97.9	38.8	25.8	97.9	41.0	26.4	97.7	38.4	25.9
Michigan	94.4	63.9	9.9	94.2	63.4	10.0	94.1	58.2	7.1
Minnesota	NA	NA	NA	NA	NA	NA	100.0	88.7	18.6
Mississippi	100.0	83.0	10.8	100.0	85.7	10.0	100.0	80.3	8.6
Missouri	100.0	78.7	17.0	100.0	77.6	14.7	100.0	73.6	12.5
Montana	99.7	52.4	1.9	99.7	52.1	1.8	99.6	47.5	1.6
Nebraska	88.7	61.4	6.0	88.0	60.7	6.0	87.7	55.6	5.5
Nevada	100.0	66.3	17.3	100.0	68.8	19.0	100.0	60.2	14.6
New Hampshire	100.0	62.3	8.8	100.0	63.3	9.7	100.0	57.7	7.3
New Jersey	96.6	48.7	NA	96.5	48.9	NA	96.5	45.2	6.5
New Mexico	NA	NA	NA	100.0	63.5	8.2	100.0	59.5	8.7
New York	100.0	100.0	7.2	100.0	100.0	6.6	100.0	100.0	5.8
North Carolina	100.0	88.9	14.9	100.0	90.0	14.8	100.0	86.4	12.1
North Dakota	100.0	94.3	39.2	100.0	95.1	NA	100.0	93.5	38.3
Ohio	100.0	100.0	1.1	100.0	100.0	1.0	100.0	100.0	0.9
Oklahoma	100.0	52.7	7.3	100.0	49.9	7.9	100.0	44.9	7.4
Oregon	100.0	95.5	17.7	100.0	95.8	16.4	100.0	95.0	15.4
Pennsylvania	85.6	38.7	1.8	85.7	36.9	1.9	86.3	36.4	0.9
Rhode Island	100.0	52.3	3.8	100.0	54.3	5.1	100.0	53.0	4.3
South Carolina	100.0	93.5	36.4	100.0	92.9	37.5	100.0	91.2	37.4
South Dakota	100.0	80.7	6.7	100.0	82.0	8.3	100.0	79.7	5.2
Tennessee	100.0	92.0	23.4	100.0	92.1	23.9	100.0	88.7	22.2
Texas	99.9	76.1	27.8	100.0	78.6	28.7	99.8	69.9	30.9
Utah	100.0	70.1	2.4	100.0	72.9	2.6	100.0	65.8	2.5
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.0	56.6	NA	90.7	53.0	NA	90.2	51.2	10.7
Washington	100.0	83.6	NA	100.0	89.8	8.3	100.0	86.3	6.3
West Virginia	100.0	64.3	2.6	100.0	63.6	NA	100.0	53.1	3.5
Wisconsin	100.0	78.3	19.2	100.0	78.2	20.5	100.0	73.5	16.5
Wyoming	68.3	57.7	1.7	69.8	59.1	2.0	69.9	58.1	1.2
Total	96.3	68.9	13.2	96.4	69.4	13.1	96.2	65.5	12.9

See footnotes at end of table.

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

State	2019								
	December			November			October		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	81.4	24.7	100.0	75.4	23.6	100.0	70.0	23.5
Alaska	100.0	99.3	37.2	100.0	99.2	37.2	100.0	97.6	37.2
Arizona	100.0	80.6	19.9	100.0	78.8	17.7	100.0	77.7	18.1
Arkansas	100.0	46.7	1.9	100.0	36.5	1.7	100.0	26.0	1.3
California	95.5	58.0	4.5	95.8	52.6	4.5	94.9	50.0	4.3
Colorado	100.0	95.4	10.7	100.0	95.0	11.3	100.0	94.4	7.4
Connecticut	96.8	81.0	51.9	95.9	76.9	48.9	94.5	73.4	50.8
Delaware	100.0	38.8	0.4	100.0	28.8	0.2	100.0	22.0	0.4
District of Columbia	76.3	23.7	--	73.3	21.4	--	71.5	17.4	--
Florida	91.2	30.5	3.5	91.0	28.3	3.3	91.1	28.2	2.7
Georgia	100.0	100.0	24.5	100.0	100.0	24.7	100.0	100.0	23.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	82.7	3.6	100.0	78.2	3.1	100.0	78.7	2.7
Illinois	88.3	37.2	8.6	90.2	37.7	8.1	92.4	34.8	5.1
Indiana	96.3	68.4	1.8	96.2	68.9	1.9	97.5	66.1	1.1
Iowa	100.0	71.5	4.3	100.0	71.9	5.4	100.0	66.0	3.0
Kansas	100.0	57.8	2.0	100.0	55.3	3.1	100.0	38.0	4.3
Kentucky	97.5	82.1	15.4	98.4	80.3	14.7	98.7	71.7	15.3
Louisiana	100.0	73.3	3.1	100.0	72.3	3.1	100.0	68.3	3.4
Maine	100.0	64.2	9.3	100.0	61.1	8.6	100.0	54.5	7.0
Maryland	77.5	28.1	5.9	77.8	25.0	3.1	78.2	21.1	2.1
Massachusetts	97.9	45.2	28.8	98.1	37.6	22.2	97.9	24.9	21.0
Michigan	94.1	61.7	8.7	94.7	62.3	8.1	94.2	50.9	4.4
Minnesota	100.0	91.6	24.2	100.0	89.9	20.7	100.0	86.9	23.3
Mississippi	100.0	83.4	8.7	100.0	79.4	9.7	100.0	75.6	8.5
Missouri	100.0	76.4	15.0	100.0	73.3	12.2	100.0	61.4	8.6
Montana	99.6	49.9	1.9	99.6	49.2	1.5	99.6	39.0	1.3
Nebraska	88.0	58.8	6.0	85.7	52.5	5.7	85.9	47.0	4.8
Nevada	100.0	64.4	18.7	100.0	58.6	16.2	100.0	54.4	11.4
New Hampshire	100.0	60.1	6.6	100.0	55.6	5.9	100.0	50.5	5.0
New Jersey	96.6	48.8	9.6	96.7	44.9	5.8	96.5	34.2	2.7
New Mexico	100.0	58.0	9.8	100.0	55.1	13.5	99.9	45.6	14.0
New York	100.0	100.0	6.7	100.0	100.0	4.2	100.0	100.0	4.4
North Carolina	100.0	88.9	14.3	100.0	88.9	12.7	100.0	82.6	10.6
North Dakota	100.0	95.4	38.7	100.0	94.3	44.1	100.0	94.4	21.2
Ohio	100.0	100.0	1.1	100.0	100.0	1.4	100.0	100.0	0.9
Oklahoma	100.0	47.2	7.5	100.0	39.1	7.7	100.0	21.6	7.4
Oregon	100.0	95.9	15.9	100.0	95.6	16.3	100.0	95.5	14.7
Pennsylvania	86.1	37.9	1.0	87.4	37.2	1.1	86.4	29.7	1.5
Rhode Island	100.0	53.4	4.1	100.0	51.8	3.8	100.0	54.0	3.8
South Carolina	100.0	91.4	34.0	100.0	93.2	37.8	100.0	89.4	37.8
South Dakota	100.0	81.3	11.7	100.0	79.1	6.8	100.0	73.3	2.7
Tennessee	100.0	91.6	22.8	100.0	90.0	23.8	100.0	83.6	20.8
Texas	99.9	74.8	28.3	99.9	70.9	28.5	99.8	60.8	28.3
Utah	100.0	68.6	2.6	100.0	68.7	2.4	100.0	54.8	2.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	92.2	59.1	8.6	91.8	56.5	15.1	90.9	45.4	15.7
Washington	100.0	90.3	7.5	100.0	88.0	7.3	100.0	88.0	6.4
West Virginia	100.0	60.5	3.1	100.0	59.0	3.2	100.0	41.2	3.7
Wisconsin	100.0	78.3	20.7	100.0	76.4	19.0	100.0	66.3	16.6
Wyoming	68.7	58.1	1.4	68.8	56.9	2.0	70.1	58.8	1.0
Total	96.4	68.8	12.8	96.6	66.7	12.7	96.8	60.3	12.0

^R Revised data.

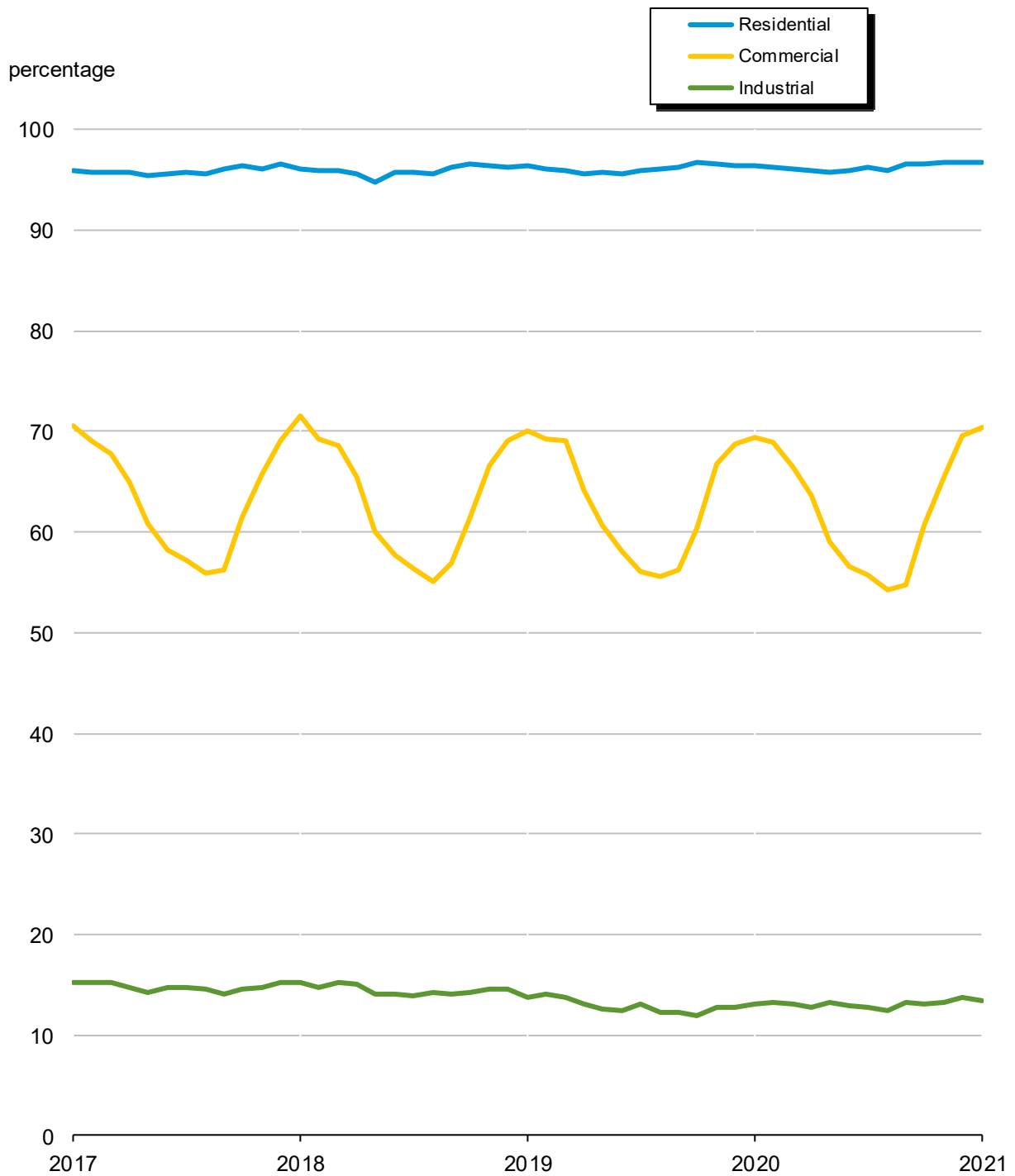
-- Not applicable.

^{NA} Not available.

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

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

Figure 6. Percentage of total deliveries included in residential, commercial, and industrial price estimates, 2017-2021



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

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

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

See footnotes at end of table.

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

State	2020					
	August	July	June	May	April	March
Alabama	1,031	1,031	1,030	1,027	1,028	1,027
Alaska	994	1,015	990	1,011	981	981
Arizona	1,026	1,024	1,025	1,039	1,035	1,028
Arkansas	1,017	1,016	1,015	1,018	1,020	1,021
California	1,026	1,024	1,026	1,035	1,039	1,038
Colorado	1,090	1,089	1,083	1,079	1,080	1,073
Connecticut	1,029	1,029	1,028	1,029	1,030	1,030
Delaware	1,032	1,033	1,034	1,035	1,036	1,036
District of Columbia	1,030	1,032	1,025	1,030	1,033	1,036
Florida	1,025	1,026	1,023	1,025	1,028	1,026
Georgia	1,030	1,029	1,027	1,025	1,027	1,028
Hawaii	912	914	915	913	919	975
Idaho	1,017	1,014	1,026	1,028	1,030	1,029
Illinois	1,038	1,036	1,040	1,040	1,042	1,041
Indiana	1,057	1,050	1,053	1,051	1,052	1,052
Iowa	1,071	1,068	1,067	1,066	1,067	1,062
Kansas	1,034	1,031	1,033	1,045	1,044	1,039
Kentucky	1,043	1,046	1,048	1,045	1,050	1,057
Louisiana	1,025	1,021	1,021	1,020	1,024	1,023
Maine	1,034	1,030	1,033	1,036	1,042	1,043
Maryland	1,038	1,040	1,036	1,035	1,038	1,041
Massachusetts	1,029	1,029	1,028	1,028	1,029	1,030
Michigan	1,056	1,057	1,058	1,058	1,062	1,062
Minnesota	1,063	1,062	1,056	1,046	1,053	1,047
Mississippi	1,032	1,027	1,028	1,025	1,035	1,031
Missouri	1,022	1,021	1,022	1,024	1,023	1,025
Montana	1,048	1,043	1,045	1,048	1,053	1,045
Nebraska	1,063	1,064	1,062	1,064	1,067	1,064
Nevada	1,031	1,027	1,030	1,038	1,046	1,046
New Hampshire	1,031	1,030	1,030	1,030	1,032	1,034
New Jersey	1,036	1,035	1,034	1,031	1,035	1,034
New Mexico	1,025	1,024	1,025	1,036	1,038	1,031
New York	1,031	1,030	1,031	1,031	1,033	1,033
North Carolina	1,032	1,033	1,032	1,031	1,033	1,033
North Dakota	1,059	1,061	1,059	1,072	1,074	1,074
Ohio	1,064	1,061	1,064	1,066	1,067	1,065
Oklahoma	1,023	1,028	1,024	1,030	1,042	1,030
Oregon	1,058	1,051	1,053	1,043	1,042	1,052
Pennsylvania	1,037	1,038	1,038	1,037	1,038	1,038
Rhode Island	1,029	1,030	1,029	1,030	1,030	1,030
South Carolina	1,033	1,033	1,026	1,029	1,030	1,030
South Dakota	1,079	1,073	1,079	1,081	1,077	1,080
Tennessee	1,020	1,017	1,022	1,024	1,027	1,030
Texas	1,018	1,018	1,017	1,022	1,026	1,022
Utah	1,031	1,029	1,035	1,044	1,053	1,052
Vermont	1,035	1,030	1,033	1,035	1,041	1,043
Virginia	1,046	1,045	1,049	1,046	1,047	1,051
Washington	1,056	1,081	1,063	1,078	1,081	1,084
West Virginia	1,085	1,071	1,076	1,088	1,080	1,092
Wisconsin	1,043	1,034	1,037	1,043	1,048	1,041
Wyoming	1,067	1,060	1,068	1,075	1,082	1,074
Total	1,033	1,032	1,032	1,035	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	2020			2019		
	February	January	Total	December	November	October
Alabama	1,027	1,029	1,028	1,030	1,031	1,030
Alaska	981	988	987	987	992	994
Arizona	1,031	1,033	1,032	1,030	1,029	1,029
Arkansas	1,021	1,021	1,018	1,021	1,019	1,021
California	1,038	1,039	1,034	1,038	1,039	1,041
Colorado	1,077	1,078	1,089	1,079	1,084	1,096
Connecticut	1,032	1,031	1,030	1,032	1,035	1,028
Delaware	1,038	1,036	1,041	1,034	1,036	1,037
District of Columbia	1,041	1,042	1,035	1,040	1,039	1,026
Florida	1,025	1,026	1,023	1,024	1,024	1,025
Georgia	1,029	1,030	1,026	1,028	1,027	1,027
Hawaii	981	984	952	984	973	924
Idaho	1,028	1,028	1,030	1,023	1,023	1,033
Illinois	1,041	1,041	1,033	1,041	1,041	1,038
Indiana	1,048	1,049	1,052	1,050	1,052	1,053
Iowa	1,068	1,067	1,066	1,071	1,077	1,077
Kansas	1,040	1,041	1,041	1,045	1,047	1,040
Kentucky	1,054	1,051	1,049	1,051	1,054	1,045
Louisiana	1,020	1,021	1,023	1,019	1,024	1,023
Maine	1,046	1,046	1,038	1,050	1,041	1,031
Maryland	1,045	1,047	1,044	1,048	1,045	1,036
Massachusetts	1,035	1,036	1,031	1,035	1,031	1,029
Michigan	1,062	1,060	1,057	1,061	1,062	1,062
Minnesota	1,026	1,029	1,056	1,048	1,028	1,063
Mississippi	1,028	1,031	1,029	1,029	1,031	1,032
Missouri	1,023	1,023	1,023	1,024	1,023	1,027
Montana	1,046	1,046	1,049	1,049	1,050	1,046
Nebraska	1,063	1,061	1,070	1,063	1,072	1,082
Nevada	1,045	1,043	1,043	1,044	1,045	1,048
New Hampshire	1,038	1,040	1,032	1,042	1,033	1,030
New Jersey	1,037	1,042	1,039	1,041	1,040	1,036
New Mexico	1,030	1,034	1,031	1,040	1,038	1,034
New York	1,034	1,034	1,032	1,034	1,033	1,030
North Carolina	1,033	1,031	1,031	1,030	1,034	1,033
North Dakota	1,072	1,071	1,099	1,072	1,068	1,077
Ohio	1,066	1,065	1,065	1,065	1,065	1,067
Oklahoma	1,032	1,036	1,033	1,043	1,045	1,032
Oregon	1,060	1,052	1,053	1,053	1,052	1,063
Pennsylvania	1,037	1,037	1,038	1,037	1,037	1,035
Rhode Island	1,031	1,031	1,029	1,032	1,031	1,029
South Carolina	1,030	1,029	1,027	1,028	1,030	1,030
South Dakota	1,078	1,078	1,084	1,081	1,082	1,080
Tennessee	1,030	1,030	1,030	1,028	1,028	1,027
Texas	1,022	1,022	1,025	1,024	1,024	1,023
Utah	1,051	1,050	1,046	1,049	1,046	1,048
Vermont	1,048	1,047	1,036	1,051	1,043	1,030
Virginia	1,052	1,052	1,051	1,053	1,050	1,051
Washington	1,088	1,087	1,086	1,088	1,090	901
West Virginia	1,091	1,084	1,084	1,088	1,084	1,085
Wisconsin	1,047	1,044	1,042	1,042	1,045	1,040
Wyoming	1,075	1,073	1,074	1,081	1,079	1,078
Total	1,039	1,039	1,038	1,040	1,040	1,036

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

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

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

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

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

Month/Year/Type of data	New England	Middle Atlantic	East North Central	West North Central	South Atlantic
	CT, ME, MA, NH, RI, VT	NJ, NY, PA	IL, IN, MI, OH, WI	IA, KS, MN, MO, ND, NE, SD	DE, FL, GA, MD, DC, NC, SC, VA, WV
November					
Normal	702	665	757	841	442
2019	800	767	889	904	518
2020	575	505	590	663	312
% Diff (normal to 2020)	-18.1	-24.1	-22.1	-21.2	-29.4
% Diff (2019 to 2020)	-28.1	-34.2	-33.6	-26.7	-39.8
December					
Normal	1,045	994	1,135	1,249	700
2019	1,021	947	952	1,078	586
2020	949	915	1,013	1,087	689
% Diff (normal to 2020)	-9.2	-8.0	-10.8	-13.0	-1.6
% Diff (2019 to 2020)	-7.1	-3.4	6.4	0.8	17.6
January					
Normal	1,209	1,155	1,303	1,391	803
2020	988	938	1,033	1,205	613
2021	1,083	1,031	1,133	1,179	729
% Diff (normal to 2021)	-10.4	-10.7	-13.1	-15.2	-9.2
% Diff (2020 to 2021)	9.6	9.9	9.7	-2.2	18.9
February					
Normal	1,030	980	1,062	1,079	638
2020	878	824	988	1,071	516
2021	1,015	994	1,234	1,364	645
% Diff (normal to 2021)	-1.5	1.4	16.2	26.4	1.1
% Diff (2020 to 2021)	15.6	20.6	24.9	27.4	25.0
November to February					
Normal	3,986	3,794	4,257	4,560	2,583
2020	3,687	3,476	3,862	4,258	2,233
2021	3,622	3,445	3,970	4,293	2,375
% Diff (normal to 2021)	-9.1	-9.2	-6.7	-5.9	-8.1
% Diff (2020 to 2021)	-1.8	-0.9	2.8	0.8	6.4

See footnotes at end of table.

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

Month/Year/Type of data	East South Central	West South Central	Mountain	Pacific ^b	U.S. Average ^b
	AL, KY, MS, TN	AR, LA, OK, TX	AZ, CO, ID, MT, NV, NM, UT, WY	CA, OR, WA	
November					
Normal	454	305	739	366	589
2019	558	349	681	291	644
2020	343	193	636	349	466
% Diff (normal to 2020)	-24.5	-36.7	-13.9	-4.6	-20.9
% Diff (2019 to 2020)	-38.5	-44.7	-6.6	19.9	-27.6
December					
Normal	722	537	999	531	884
2019	559	419	922	511	778
2020	707	486	969	485	809
% Diff (normal to 2020)	-2.1	-9.5	-3.0	-8.7	-8.5
% Diff (2019 to 2020)	26.5	16.0	5.1	-5.1	4.0
January					
Normal	829	611	1,026	532	991
2020	616	422	908	497	808
2021	726	521	951	495	876
% Diff (normal to 2021)	-12.4	-14.7	-7.3	-7.0	-11.6
% Diff (2020 to 2021)	17.9	23.5	4.7	-0.4	8.4
February					
Normal	631	429	803	412	793
2020	549	416	856	394	730
2021	721	609	877	432	892
% Diff (normal to 2021)	14.3	42.0	9.2	4.9	12.5
% Diff (2020 to 2021)	31.3	46.4	2.5	9.6	22.2
November to February					
Normal	2,636	1,882	3,567	1,841	3,257
2020	2,282	1,606	3,367	1,693	2,960
2021	2,497	1,809	3,433	1,761	3,043
% Diff (normal to 2021)	-5.3	-3.9	-3.8	-4.4	-6.6
% Diff (2020 to 2021)	9.4	12.6	2.0	4.0	2.8

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

^b Excludes Alaska and Hawaii.

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

Source: National Oceanic and Atmospheric Administration.

Appendix A

Explanatory Notes

The 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 and republished by EIA with permission.

Annual Data

The annual NGPL composite spot price represents the average cost of a representative barrel of NGPL in a given year. This annual figure is calculated as the total cost of all NGPL products sold, as priced at Mont Belvieu, divided by the total volume of all NGPL products produced for the year derived by summing the months of natural gas plant liquids production data collected on Form EIA-816.

The annual natural gas spot price represents the average of daily closing spot prices for dry natural gas at the Henry Hub in Louisiana in a given year.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day databases maintained by the National Oceanic and Atmospheric Administration. The information published in the NGM, is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate statewide degree-day averages weighted by gas home customers. The state figures are then aggregated into Census Divisions and into the national average. Table 26 of this report presents the Heating Degree data, and is included in the December through April NGM publications.

Note 11. Heat Content

The Form EIA-857 collects volume and cost data on natural gas delivered to residential, commercial, and industrial consumers, as shown in Tables 2 and 25 of the NGM. Data are reported by a sample of natural gas companies that deliver to consumers in the United States. Respondents are instructed to calculate the average heat content (Btu) by summing the total Btu delivered each month (volume delivered directly to consumers) multiplied by average Btu content per unit volume and then dividing by the total volume delivered directly to consumers during that month. The average Btu content for each month should be that used for billing purposes whether billing was on a therm (100,000 Btu) or dekatherm (1,000,000 Btu) basis. The value for heat content is expected to be in the range of 900 to 1200 Btu/cubic foot.

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Appendix B

Data Sources

The data in this publication are taken from survey reports collected by the U.S. Energy Information Administration (EIA), the Federal Energy Regulatory Commission (FERC), and the Office of Fossil Energy of the U.S. Department of Energy (DOE). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE that has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The Office of Fossil Energy has the authority under Section 3 of the Natural Gas Act of 1938 to grant authorizations for the import and export of natural gas.

Data are collected from annual, quarterly, and monthly surveys. The primary annual report is the Form EIA-176, *Annual Report of Natural and Supplemental Gas Supply and Disposition*, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across state lines. Another annual report, Form EIA-895, *Annual Quantity and Value of Natural Gas Production Report*, was completed by agencies in the 32 gas producing states through 2010. EIA obtained similar data directly from the states beginning in 2011. The EIA-895 Form collected volumes of natural gas gross withdrawals, those vented and flared, returned to formation, or used on the lease, and the volume of nonhydrocarbons removed from the produced stream. It also collected information on the value of marketed production. The Office of Fossil Energy provides monthly and quarterly files of data on imports and exports. The monthly reports include surveys of the natural gas industry, and of the electric power industry. The monthly natural gas industry surveys are: the Form EIA-191, filed by companies that operate underground storage facilities in the Lower 48 states; the Form EIA-914, filed by a sample of companies that operate wells producing natural gas; the Form EIA-857, filed by a sample of companies that deliver natural gas to consumers; and the Form EIA-910, filed by natural gas marketers in select states. The electric power industry source for both price and consumption data is Form EIA-923, *Power Plant Operations Report*. Responses to all current surveys are mandatory. A description of the survey respondents, reporting requirements, and processing of the data is given on the following pages for each of the natural gas surveys. Copies of the forms and instructions are available on the EIA website. Further information about Electric Power forms can be found in Appendix C of the [Electric Power Monthly](#).

Form EIA-176, Annual Report of Natural and Supplemental Gas Supply and Disposition

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities); and/or companies that transport gas across a state border through field or gathering facilities. Each company is required to file if it meets the survey specifications. The mailing in 2021 for report year 2020 totaled approximately 2,115 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

The Form EIA-176 is a multi-line, multi-page schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the state indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Data from Form EIA-176 are also published in the [Natural Gas Annual](#) (NGA) and are available from the Form EIA-176 Query system posted on the EIA website. Data reported on this form are not considered proprietary. Response to the form is mandatory.

Form EIA-895, Monthly and Annual Quantity and Value of Natural Gas Report

Monthly production data were collected through Form EIA-895, *Monthly and Annual Quantity and Value of Natural Gas Report*, from January 1995 through December 2006. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the states. Data were not considered proprietary. All gas-producing states and the Bureau of Safety & Environmental Enforcement (and predecessor agencies) were requested to report on the Form EIA-895, a voluntary report that was used through 2010.

In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace a prior annual production form. This annual schedule, designated Form EIA-895, continued to be used for collecting production data from states through 2010. In 2011, annual gas production data were obtained directly from publicly available state data.

The commercial recovery of methane from coalbeds and shale plays contributes a significant amount to the production totals in a number of states. Gross production quantities of natural gas from coalbed methane seams and shale plays (in thousand cubic feet) are obtained from IHS Markit. Previously, data from LCI Energy Insight (LCI) were used. In 2007-2009, an average daily production rate, available for each year, from coalbed methane and shale were used to allocate production data across months depending on the number of days in each month. For 2010 forward, monthly coalbed and shale data from LCI and, later, IHS Markit, were developed with the following method:

[Quarterly Daily Shale Production Rate (MMcf/day) x Number of Days in Quarter x 1000] x [Month Gross Production Volume / Quarter Gross Production Volume]

Beginning in 2010, for Pennsylvania, the quarterly shale data were also used to create a gross production monthly pattern. Data for coalbed and shale gas wells are not shown in the *Natural Gas Monthly*; however, coalbed and shale breakouts are available via the [Natural Gas Navigator](#).

The EIA-895 also collected data on volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on

lease; and marketed production as well as the monthly volume and value of marketed production. From 2011 forward, these data were obtained directly from the states or, where it was not available, estimated by EIA. The annual schedule of the EIA-895 also collected data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). From 2011 forward, the same items were obtained directly from the states or estimated by EIA where it was not available. From 2011 forward, the number of producing wells is from *World Oil Magazine*. All volumes are in thousand cubic feet at the states' standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

[Form EIA-914, Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report](#)

The Form EIA-914 is a sample survey of well operators in the Lower 48 states and 16 states or regions (Arkansas, California, Colorado, Kansas, Louisiana, Montana, North Dakota, New Mexico, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Offshore Gulf of Mexico). Current estimates of monthly production are based on this survey. The survey collects natural gas production volume information on a monthly basis, aggregated to the areas specifically requested. Two volumes are requested from respondents for each area in which they operate wells: (1) "gross withdrawals (wet)," which is the full-bore well stream gas minus lease condensate, oil, and water; and (2) "natural gas lease production," which is a measure indicating the net amount of produced gas leaving the lease to go to natural gas processing plants or directly to end-users. Estimates of gross withdrawals in a state are made from the reported gross withdrawal volumes. Marketed production is estimated from gross withdrawals using state estimates of repressuring, vented and flared, and nonhydrocarbon gases removed.

The EIA-914 survey form is an 11-page document, similar in format to other surveys in EIA's Office of Energy Production, Conversion, and Delivery. The form was designed based on direct input from potential respondents during pre-survey design visits and the quality and usability of the survey instrument were established with cognitive testing conducted by survey methodologists in EIA's Statistics and Methods Group. Based on the test results, the form includes imbedded instructions, intended to help respondents complete the form without the need to refer to instructions located elsewhere.

A full description of the survey methodology may be found at the [EIA-914 Methodology](#).

[Form EIA-191, Underground Natural Gas Storage Report](#)

The Form EIA-191, *Monthly Underground Natural Gas Storage Report*, is completed by approximately 140 companies that operate underground facilities in the United States (prior to 2013, Alaska data were not included in the EIA-191 survey). The final monthly and annual response rates are 100 percent. The Form EIA-191 monthly schedule contains current month data on the total quantities of gas in storage, injections and withdrawals, the location (including state and county, field, reservoir) and peak day withdrawals during the reporting period. The annual schedule contains type of facility, storage field capacity, maximum deliverability

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

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

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

Quarterly Natural Gas Import and Export Sales and Price Report

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

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

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

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

A sample of approximately 285 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 states and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 monthly. Each month about half the responses are received by the due date although response rates by first publication of the relevant month are approximately 95 percent. When a response is extremely late, volumes are imputed, as described in Appendix C, "Statistical Considerations." When the company's submission is eventually received, the submitted data are entered into the data system and used for subsequent processing and revisions.

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

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

Form EIA-910, Monthly Natural Gas Marketer Survey

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

Approximately 176 natural gas marketers currently report to the survey. Final monthly survey response rates are 100 percent. Responses are filed with EIA in Washington, DC, on or before the 30th day after the end of the report month.

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

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Appendix C

Statistical Considerations

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

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

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

Sample Design

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

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

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

Sample Universe. The sample of 323 respondents in use for 2019 and 2020 was selected from a universe of 2,083 companies. These companies were respondents to the Form EIA-176, *Annual Report of Natural and Supplemental Gas Supply and Disposition*, for reporting year 2018, who reported sales or deliveries to consumers in the residential, commercial, or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

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

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

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

Estimation Procedures

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

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

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

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

or (1)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

where:

R_{adj} = sendout adjusted residential volume,

C_{adj} = sendout adjusted commercial volume,

SO = sendout volume,

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

EP = reported electric power volume,

IN = reported industrial volume,

R = reported residential volume,

C = reported commercial volume.

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

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

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

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

where:

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

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

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

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

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

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

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

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

for Georgia, and,

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

for New York and Ohio, where:

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

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

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

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

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

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

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

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

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

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

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

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

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

N = frame size.

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

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

where:

P_j = natural gas price in sector j,

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

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

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

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

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

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

and,

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

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

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

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

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

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

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

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

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	0.8	1.8	2.7	1.8	0.08	0.06	0.08
Alaska	0.8	0.7	0.0	0.4	0.00	0.08	0.00
Arizona	0.7	1.3	1.2	0.6	0.05	0.07	0.01
Arkansas	1.0	0.1	1.6	0.7	0.05	0.04	0.39
California	0.7	1.0	1.3	0.6	0.15	0.15	0.28
Colorado	0.5	0.3	1.4	0.4	0.03	0.04	0.03
Connecticut	0.2	0.4	0.9	0.2	0.03	0.03	0.00
Delaware	0.0	0.0	0.0	0.0	0.00	0.00	0.00
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	NA	NA	NA	NA	NA	NA	NA
Georgia	0.0	0.0	2.5	0.0	0.04	0.07	0.36
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.3	0.5	0.1	0.2	0.00	0.01	0.00
Illinois	0.4	0.5	1.0	0.3	0.03	0.05	0.07
Indiana	1.1	0.9	3.8	1.9	0.01	0.12	0.33
Iowa	0.8	0.8	3.7	2.0	0.07	0.06	0.34
Kansas	1.9	0.8	2.7	1.3	0.04	0.05	1.11
Kentucky	0.8	0.9	2.1	1.0	0.10	0.10	0.16
Louisiana	2.5	3.8	0.6	0.6	0.32	0.56	0.18
Maine	4.5	NA	3.1	NA	0.43	NA	0.05
Maryland	0.1	1.4	4.5	0.7	0.02	0.04	0.00
Massachusetts	1.5	0.8	1.5	0.8	0.41	0.28	0.12
Michigan	0.5	0.9	2.1	0.5	0.06	0.00	0.34
Minnesota	0.3	0.7	6.3	1.8	0.09	0.11	0.13
Mississippi	NA	3.8	3.4	NA	NA	NA	0.14
Missouri	0.8	0.3	0.8	0.5	0.09	0.03	0.11
Montana	0.3	0.6	0.0	0.2	0.02	0.03	0.00
Nebraska	0.4	0.5	6.6	2.8	0.16	0.12	0.19
Nevada	0.0	0.2	8.4	1.0	0.00	0.00	0.02
New Hampshire	0.0	0.0	4.2	0.9	0.00	0.00	0.00
New Jersey	0.7	1.3	8.7	0.9	0.04	0.10	0.07
New Mexico	1.2	0.5	2.6	0.8	0.10	0.10	0.03
New York	0.0	0.0	1.0	0.0	0.09	0.04	0.22
North Carolina	0.2	0.4	0.4	0.2	0.05	0.02	0.14
North Dakota	0.1	0.1	3.5	1.6	0.00	0.01	0.03
Ohio	0.0	0.0	2.0	0.0	0.02	0.01	0.22
Oklahoma	2.3	0.9	1.1	0.9	0.04	0.09	0.06
Oregon	0.0	0.0	1.4	0.5	0.00	NA	0.00
Pennsylvania	0.3	0.8	4.5	1.0	0.12	0.08	0.20
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	0.5	3.3	1.2	0.8	0.12	0.27	0.12
South Dakota	1.0	0.9	2.4	1.3	0.08	0.06	0.06
Tennessee	0.7	1.1	1.8	0.7	0.23	0.15	0.10
Texas	1.8	3.4	2.3	1.7	NA	NA	0.03
Utah	0.2	0.1	0.0	0.1	0.00	0.00	0.02
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	1.0	0.6	1.9	0.7	0.13	0.13	0.37
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	1.7	1.2	1.9	1.0	0.03	0.04	0.00
Wisconsin	1.1	1.7	2.2	0.9	0.09	0.09	0.02
Wyoming	1.5	1.7	NA	NA	0.08	0.12	NA
Total	0.2	0.2	0.6	0.2	0.03	0.03	0.02

NA Not available.

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

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Glossary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nominal Dollars: A measure used to express nominal price.

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

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

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

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

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

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

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

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

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

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

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

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