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Preface

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

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

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

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

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Highlights

This issue of the *Natural Gas Monthly* (NGM) contains state and national-level estimates of natural gas volume and price data through March 2017.

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

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

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

Abbreviations

Common Abbreviations Used in the *Natural Gas Monthly*

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

Table 1. Summary of natural gas supply and disposition in the United States, 2012-2017
(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
2012 Total	29,542	25,283	1,250	24,033	61	1,519	-9	-66	25,538
2013 Total	29,523	25,562	1,357	24,206	55	1,311	546	38	26,155
2014 Total	31,405	27,498	1,608	25,890	60	1,181	-254	-283	26,593
2015									
January	2,771	2,391	141	2,250	5	135	741	-15	3,116
February	2,516	2,193	129	2,063	4	109	757	-8	2,927
March	2,824	2,439	144	2,296	5	93	201	-2	2,592
April	2,750	2,391	141	2,251	5	75	-329	12	2,013
May	2,791	2,444	144	2,300	5	70	-508	-4	1,863
June	2,669	2,368	139	2,229	5	68	-370	-24	1,908
July	2,758	2,448	144	2,304	5	73	-291	-14	2,077
August	2,742	2,446	144	2,302	5	69	-317	2	2,061
September	2,727	2,390	141	2,249	5	46	-381	-11	1,909
October	2,801	2,441	144	2,298	5	68	-339	-38	1,994
November	2,731	2,362	139	2,223	5	63	17	-52	2,255
December	2,814	2,438	144	2,295	5	66	272	-47	2,591
Total	32,895	28,753	1,693	27,060	59	935	-546	-201	27,306
2016									
January	£2,819	£2,424	148	£2,275	5	105	£729	-17	3,097
February	£2,668	£2,304	140	£2,164	5	89	403	-6	£2,655
March	£2,823	£2,431	157	£2,274	5	46	£57	£-22	2,359
April	£2,682	£2,340	151	£2,188	5	66	-164	-5	£2,089
May	£2,779	£2,411	160	£2,250	5	62	£-328	£-18	£1,971
June	£2,635	£2,304	156	£2,148	2	61	£-222	£15	2,004
July	£2,710	£2,372	160	£2,213	5	79	-133	27	2,190
August	£2,742	£2,394	152	£2,242	5	49	-124	£43	2,214
September	£2,640	£2,303	147	£2,155	5	37	-262	14	1,950
October	£2,718	£2,352	160	£2,192	5	56	-308	-19	1,926
November	£2,684	£2,308	155	£2,153	5	5	35	-30	2,168
December	£2,748	£2,354	149	£2,205	5	31	676	-47	2,871
Total	£32,647	£28,295	1,836	£26,459	59	685	£358	£-66	£27,495
2017									
January	RE2,732	RE2,345	151	RE2,194	5	19	675	£-10	£2,883
February	RE2,514	RE2,158	146	RE2,013	5	*	285	£12	£2,314
March	£2,779	£2,382	163	£2,219	5	6	275	*	2,505
2017 3-Month YTD	£8,025	£6,886	459	£6,426	15	25	1,234	2	7,702
2016 3-Month YTD	£8,311	£7,158	445	£6,713	16	240	1,188	-46	8,111
2015 3-Month YTD	8,111	7,023	414	6,609	14	337	1,699	-26	8,635

^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 2012 through 2015 include underground storage and liquefied natural gas storage. Data for January 2016 forward include underground storage only. See Appendix A, Explanatory Note 5, for discussion of computation procedures.

^e Represents quantities lost and imbalances in data due to differences among data sources. Net imports and balancing item for 2014 and 2015 excludes net intransit deliveries. These net intransit deliveries were (in billion cubic feet): 57 for 2015; 27 for 2014; 54 for 2013; and 57 for 2012. 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.

* Volume is between -500 Mcf and 500 Mcf.

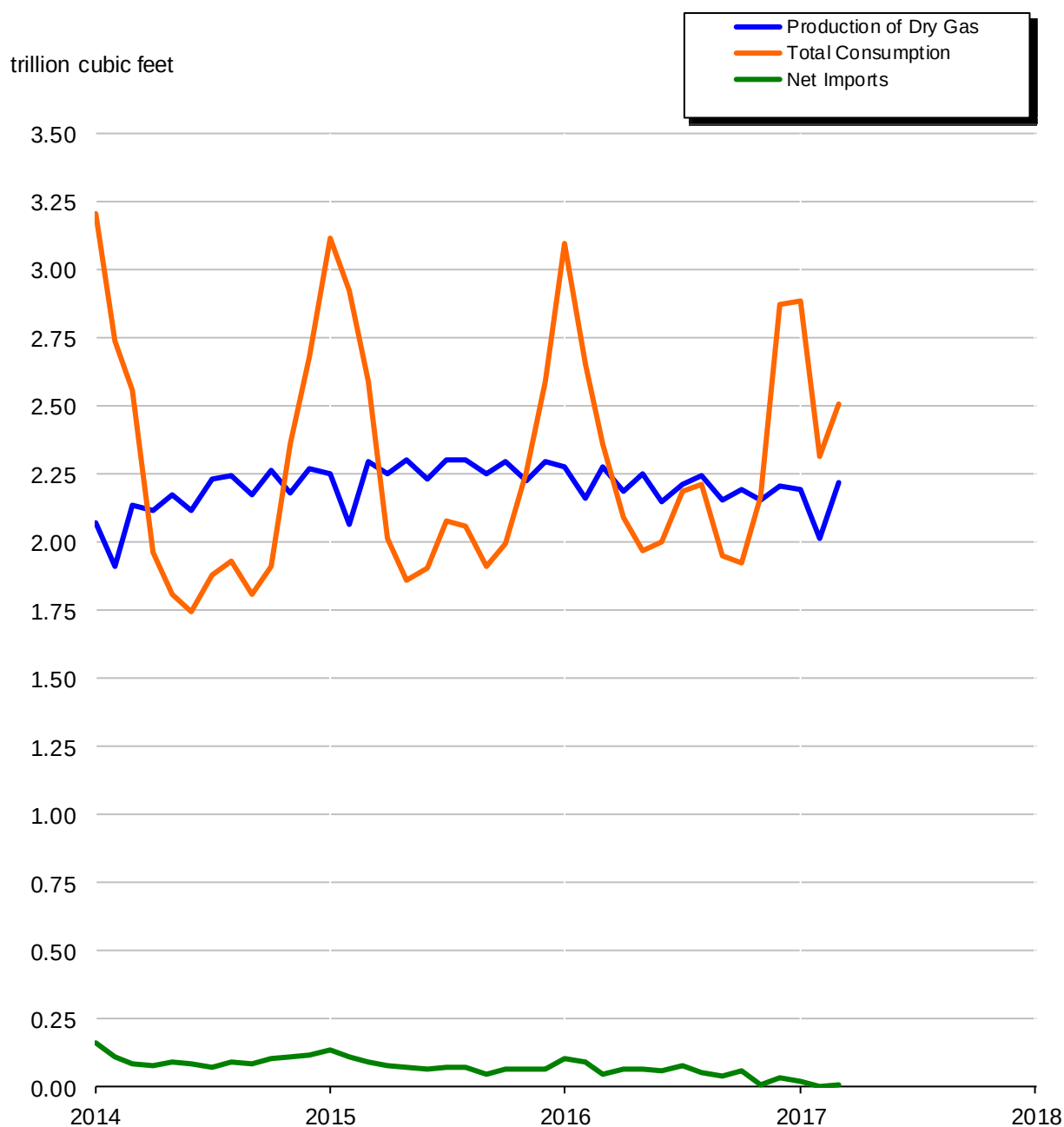
^{RE} Revised estimated data.

Notes: Data for 2012 through 2014 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: 2012-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, 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, 2014-2017



Sources: 2014-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, 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, 2012-2017

(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		
2012 Total	1,396	731	4,150	2,895	7,226	9,111	30	23,411	25,538	1,024
2013 Total	1,483	833	4,897	3,295	7,425	8,191	30	23,839	26,155	1,027
2014 Total	1,512	700	5,087	3,466	7,646	8,146	35	24,381	26,593	1,032
2015										
January	132	77	937	532	720	714	3	2,906	3,116	1,036
February	121	73	902	517	661	651	3	2,733	2,927	1,036
March	135	64	633	385	663	709	3	2,394	2,592	1,036
April	132	49	319	232	609	668	3	1,832	2,013	1,037
May	135	45	177	160	604	739	3	1,684	1,863	1,037
June	131	46	124	135	576	893	3	1,732	1,908	1,037
July	135	50	108	134	593	1,054	3	1,891	2,077	1,037
August	135	50	103	135	601	1,035	3	1,876	2,061	1,036
September	132	46	108	138	580	902	3	1,731	1,909	1,037
October	135	48	201	195	614	798	3	1,811	1,994	1,037
November	130	55	406	283	639	737	3	2,069	2,255	1,038
December	135	64	591	352	675	771	3	2,393	2,591	1,038
Total	1,587	666	4,610	3,199	7,535	9,671	39	25,054	27,306	1,037
2016										
January	£134	£76	887	506	720	771	£3	2,888	3,097	1,038
February	£127	£65	698	416	661	686	£3	£2,463	£2,655	1,038
March	£134	£58	459	300	£662	743	£3	£2,167	2,359	1,037
April	£129	£51	331	234	620	721	£3	£1,909	£2,089	1,037
May	£133	£48	196	172	613	806	£3	£1,790	£1,971	1,034
June	£127	£49	124	139	£590	971	£3	1,828	2,004	1,034
July	£131	£53	108	136	616	1,142	£4	2,006	2,190	1,034
August	£132	£54	102	141	627	1,155	£4	2,028	2,214	1,037
September	£127	£48	111	143	£603	915	£4	£1,775	1,950	1,037
October	£130	£47	189	192	622	741	£4	1,749	1,926	1,036
November	£127	£53	385	283	654	664	£4	1,988	2,168	1,037
December	£130	£70	801	465	733	669	£4	2,671	2,871	1,039
Total	£1,561	£671	4,391	3,125	£7,721	9,984	£41	£25,263	£27,495	1,037
2017										
January	£129	£70	835	478	727	639	£4	2,683	£2,883	1,039
February	£119	£56	584	£361	640	550	£3	£2,139	£2,314	1,038
March	£131	£61	582	370	689	667	£4	2,312	2,505	1,037
2017 3-Month YTD	£380	£188	2,001	1,210	2,057	1,857	£11	7,134	7,702	1,038
2016 3-Month YTD	£395	£198	2,045	1,221	2,043	2,200	£10	7,518	8,111	1,038
2015 3-Month YTD	388	214	2,472	1,434	2,044	2,074	10	8,034	8,635	1,036

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

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

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

^R Revised data.

^E Estimated data.

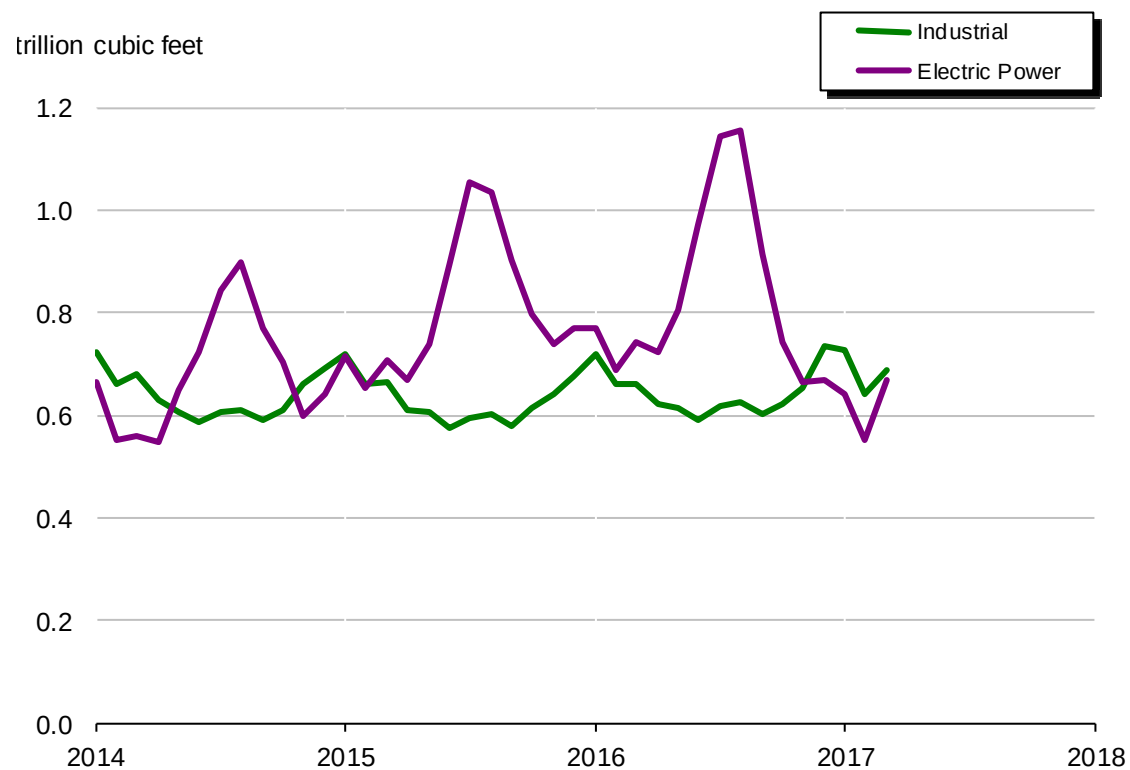
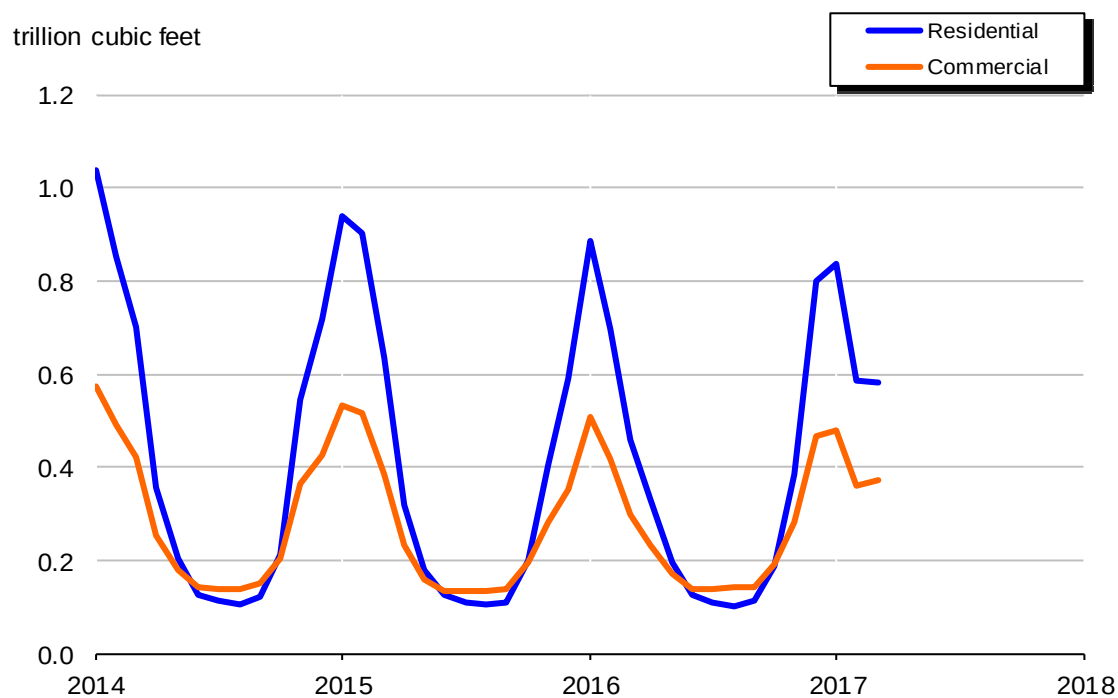
^{RE} Revised estimated data.

Notes: Data for 2012 through 2014 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: 2012-2015: 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 2015*. January 2016 through current month: Form EIA-914, "Monthly 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, 2014-2017



Sources: 2014-2015: 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 2015. January 2016 through current month: Form EIA-857 and Form EIA-923.

Table 3. Selected national average natural gas prices, 2012-2017

(dollars per thousand cubic feet, except where noted)

Year and Month	NGPL Composite Spot Price ^a	Natural Gas Spot Price ^b	Citygate Price	Delivered to Consumers						Electric Power Price ^d
				Residential		Commercial		Industrial		
				Price	% of Total ^c	Price	% of Total ^c	Price	% of Total ^c	
2012 Annual Average	10.98	2.75	4.73	10.65	95.8	8.10	65.2	3.88	16.2	3.54
2013 Annual Average	9.94	3.73	4.88	10.32	95.7	8.08	65.8	4.64	16.6	4.49
2014 Annual Average	9.56	4.37	5.71	10.97	95.5	8.90	65.8	5.62	15.9	5.19
2015										
January	5.08	2.99	4.48	9.50	95.7	8.14	70.9	4.87	15.0	4.29
February	5.70	2.87	4.57	9.08	95.6	7.81	71.0	4.71	15.4	4.99
March	5.52	2.83	4.36	9.28	95.4	7.84	69.9	4.43	15.6	3.71
April	5.58	2.61	3.93	10.44	95.4	8.02	64.8	3.94	14.9	3.23
May	5.25	2.85	4.24	12.73	95.4	8.13	61.2	3.56	15.4	3.28
June	4.78	2.78	4.44	15.07	95.5	8.52	57.9	3.74	14.9	3.24
July	4.73	2.84	4.65	16.28	95.7	8.49	56.9	3.73	14.9	3.23
August	4.42	2.77	4.59	16.89	95.4	8.45	55.6	3.77	14.6	3.22
September	4.89	2.66	4.56	16.40	95.9	8.42	55.8	3.63	14.8	3.19
October	4.95	2.34	4.00	12.60	95.5	7.78	59.5	3.52	14.9	3.03
November	4.72	2.09	3.68	10.02	96.0	7.39	63.9	3.26	15.1	2.78
December	4.23	1.93	3.75	9.27	96.1	7.22	67.6	3.45	15.2	2.71
Annual Average	4.97	2.62	4.26	10.38	95.7	7.91	65.9	3.91	15.1	3.37
2016										
January	3.69	2.28	3.40	8.32	96.0	6.74	70.5	3.62	15.3	3.17
February	3.89	1.99	3.48	8.39	95.9	6.83	69.5	3.63	15.4	2.83
March	4.48	1.73	3.49	9.19	95.6	7.04	66.8	3.04	15.3	2.33
April	4.65	1.92	3.22	9.64	95.6	6.94	65.1	2.99	14.5	2.52
May	5.11	1.92	3.45	11.60	95.4	7.28	60.4	2.90	14.6	2.49
June	5.25	2.59	3.98	14.45	95.7	7.69	58.1	2.88	14.6	2.77
July	4.92	2.82	4.45	16.57	95.9	8.10	57.0	3.57	14.3	3.07
August	4.94	2.82	4.37	17.63	95.8	8.25	54.9	3.58	14.7	3.07
September	5.25	2.99	4.60	16.81	96.1	8.27	56.2	3.73	14.6	3.19
October	6.05	2.98	4.18	13.74	95.9	7.93	60.0	3.87	14.5	3.24
November	5.45	2.55	3.89	10.76	96.0	7.60	63.6	3.86	14.5	3.14
December	6.66	3.59	3.95	9.06	96.0	7.24	68.2	4.31	14.7	4.16
Annual Average	5.04	2.52	3.72	10.06	95.9	7.25	64.9	3.51	14.8	2.99
2017										
January	6.77	3.30	4.22	9.38	96.0	7.58	70.5	4.89	15.0	4.32
February	7.25	2.85	4.10	10.05	95.9	7.89	69.0	4.62	15.1	3.74
March	5.91	2.88	3.83	9.90	95.7	7.67	67.8	4.02	15.0	3.52
2017 3-Month YTD	6.62	3.01	4.07	9.73	95.9	7.70	69.2	4.52	15.0	3.86
2016 3-Month YTD	4.03	1.99	3.45	8.56	95.9	6.85	69.2	3.43	15.3	2.78
2015 3-Month YTD	5.43	2.90	4.48	9.29	95.6	7.94	70.6	4.67	15.3	4.31

^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 Thompson Reuters. 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.

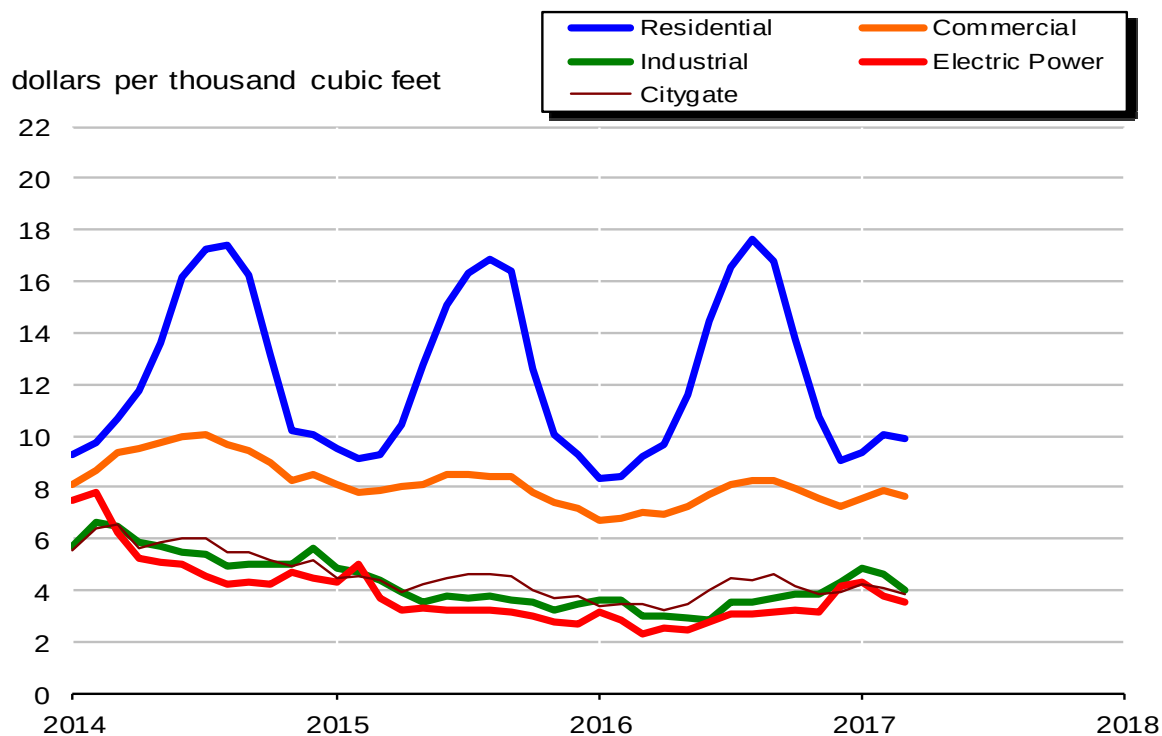
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^R Revised data.

Notes: Prices are in nominal dollars. Data for 2012 through 2014 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: 2012-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 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; Thompson Reuters; and EIA estimates.

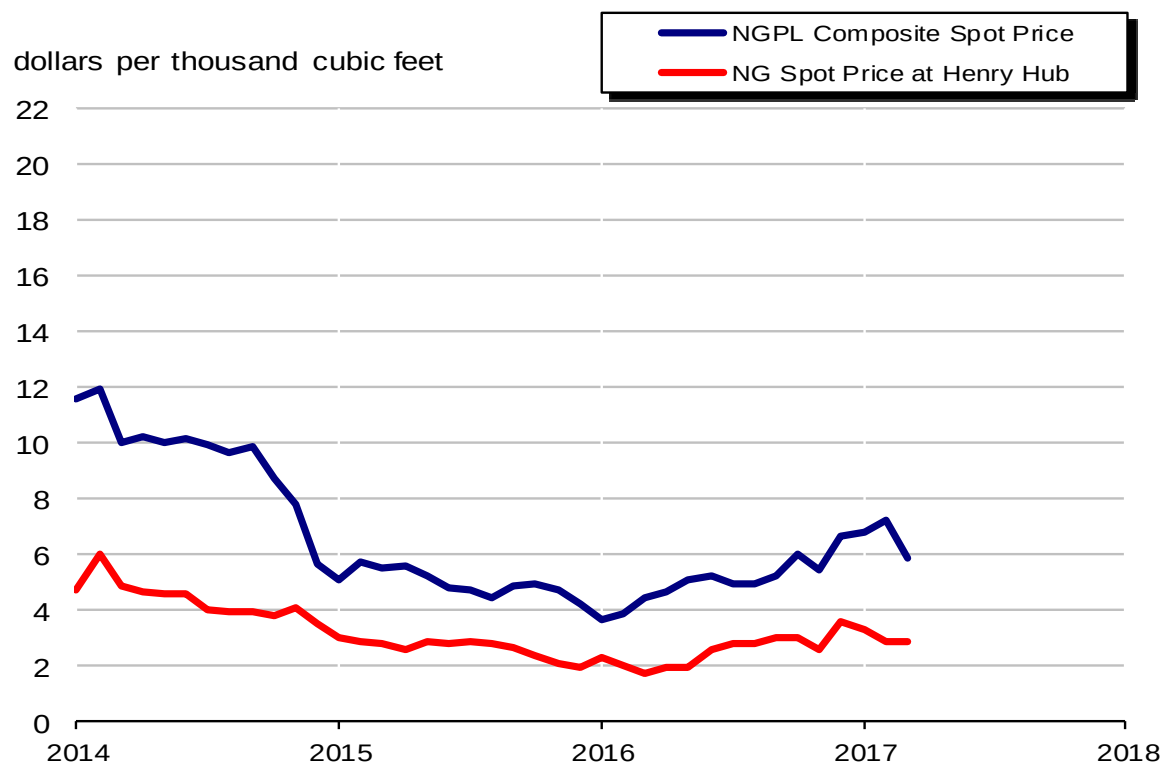
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2014-2017



Note: Prices are in nominal dollars.

Sources: 2014-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 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; Thompson Reuters; and EIA estimates.

Figure 4. Spot prices of natural gas and natural gas plant liquids in the United States, 2014-2017



Note: Prices are in nominal dollars.

Sources: 2014-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 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; Thompson Reuters; and EIA estimates.

Table 4. U.S. natural gas imports, 2015-2017

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

	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	March	February	2017 January	2016 Total
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	794,626	735,506	752,091	274,179	R244,663	275,784	R2,911,063
Mexico	240	198	241	83	74	83	917
Total Pipeline Imports	794,866	735,704	752,332	274,262	R244,737	275,867	R2,911,980
LNG							
By Truck							
Canada	34	278	46	8	8	18	924
By Vessel							
Nigeria	2,753	0	0	0	0	2,753	0
Norway	0	0	0	0	0	0	3,253
Trinidad/Tobago	23,522	30,066	30,982	4,870	8,468	10,183	84,190
Yemen	0	0	7,441	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	26,310	30,344	38,469	4,878	8,477	12,955	88,367
CNG							
Canada	94	92	100	34	26	35	299
Total CNG Imports	94	92	100	34	26	35	299
Total Imports	821,270	766,140	790,901	279,173	R253,240	288,857	R3,000,646
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.93	2.05	4.00	2.57	2.81	3.40	2.18
Mexico	2.83	1.16	2.04	2.27	2.94	3.29	1.85
Total Pipeline Imports	2.93	2.05	4.00	2.57	2.81	3.40	2.18
LNG							
By Truck							
Canada	8.19	8.49	9.51	7.05	7.22	9.12	8.07
By Vessel							
Nigeria	5.82	--	--	--	--	5.82	--
Norway	--	--	--	--	--	--	3.12
Trinidad/Tobago	5.57	4.71	9.31	4.34	6.39	5.48	4.06
Yemen	--	--	9.10	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	5.60	4.74	9.27	4.35	6.39	5.56	4.07
CNG							
Canada	6.28	3.36	8.84	1.91	6.07	10.64	1.97
Total CNG Imports	6.28	3.36	8.84	1.91	6.07	10.64	1.97
Total Imports	3.20	2.34	4.70	2.68	3.14	3.75	2.23
Net Imports - Volume	25,071	239,947	337,457	6,254	R-79	R18,896	R685,259

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2015-2017

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

							2016
	December	November	October	September	August	July	June
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	270,449	221,390	224,190	234,164	252,620	259,132	234,145
Mexico	64	83	83	82	90	92	83
Total Pipeline Imports	270,513	221,473	224,273	234,246	252,710	259,224	234,229
LNG							
By Truck							
Canada	16	41	58	72	84	70	118
By Vessel							
Nigeria	0	0	0	0	0	0	0
Norway	0	3,253	0	0	0	0	0
Trinidad/Tobago	8,838	5,779	5,696	2,810	7,998	5,703	7,520
Yemen	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	8,854	9,073	5,753	2,882	8,082	5,773	7,638
CNG							
Canada	27	22	25	15	17	25	19
Total CNG Imports	27	22	25	15	17	25	19
Total Imports	279,394	230,568	230,051	237,143	260,809	265,022	241,885
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.31	2.41	2.50	2.42	2.29	2.26	1.76
Mexico	2.56	2.34	2.50	2.43	2.27	2.45	1.41
Total Pipeline Imports	3.31	2.41	2.50	2.42	2.29	2.26	1.76
LNG							
By Truck							
Canada	7.51	7.92	7.93	8.04	8.11	7.95	7.80
By Vessel							
Nigeria	--	--	--	--	--	--	--
Norway	--	3.12	--	--	--	--	--
Trinidad/Tobago	4.62	5.96	3.05	3.13	3.17	3.15	3.11
Yemen	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	4.63	4.95	3.10	3.25	3.23	3.21	3.18
CNG							
Canada	3.24	0.97	0.72	1.22	1.20	1.62	0.63
Total CNG Imports	3.24	0.97	0.72	1.22	1.20	1.62	0.63
Total Imports	3.50	2.70	2.59	2.47	2.42	2.35	1.90
Net Imports - Volume	30,705	4,698	55,702	37,418	48,776	78,739	61,138

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2015-2017

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

	2016					2015	
	May	April	March	February	January	Total	December
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	243,017	236,451	232,095	241,948	261,462	2,625,359	221,550
Mexico	72	71	69	70	59	933	64
Total Pipeline Imports	243,088	236,522	232,164	242,019	261,521	2,626,291	221,613
LNG							
By Truck							
Canada	113	74	65	116	97	437	59
By Vessel							
Nigeria	0	0	0	0	0	0	0
Norway	0	0	0	0	0	12,194	3,105
Trinidad/Tobago	5,087	4,693	8,503	9,612	11,951	71,439	2,453
Yemen	0	0	0	0	0	7,441	0
Other	0	0	0	0	0	0	0
Total LNG Imports	5,200	4,767	8,568	9,728	12,048	91,511	5,618
CNG							
Canada	29	28	33	29	30	291	26
Total CNG Imports	29	28	33	29	30	291	26
Total Imports	248,317	241,317	240,764	251,775	273,600	2,718,094	227,257
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	1.44	1.51	1.55	2.12	2.42	2.84	2.13
Mexico	1.10	1.03	0.82	1.22	1.50	1.71	1.22
Total Pipeline Imports	1.44	1.51	1.55	2.12	2.42	2.84	2.13
LNG							
By Truck							
Canada	7.72	7.88	8.74	8.58	8.21	8.69	8.12
By Vessel							
Nigeria	--	--	--	--	--	--	--
Norway	--	--	--	--	--	8.56	2.31
Trinidad/Tobago	3.36	3.23	3.25	5.08	5.45	6.98	6.08
Yemen	--	--	--	--	--	9.10	--
Other	--	--	--	--	--	--	--
Total LNG Imports	3.45	3.30	3.29	5.12	5.48	7.37	4.02
CNG							
Canada	1.10	1.05	1.54	3.27	5.41	4.18	3.78
Total CNG Imports	1.10	1.05	1.54	3.27	5.41	4.18	3.78
Total Imports	1.55	1.61	1.73	2.43	2.80	2.99	2.28
Net Imports - Volume	62,421	65,716	45,849	89,019	105,079	934,581	65,503

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2015-2017

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

							2015
	November	October	September	August	July	June	May
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	210,632	217,493	203,066	202,567	209,698	203,583	202,545
Mexico	72	83	83	82	80	73	78
Total Pipeline Imports	210,704	217,576	203,150	202,649	209,779	203,656	202,623
LNG							
By Truck							
Canada	45	43	45	44	41	41	34
By Vessel							
Nigeria	0	0	0	0	0	0	0
Norway	3,097	5,992	0	0	0	0	0
Trinidad/Tobago	4,373	2,653	5,609	11,161	7,133	2,557	1,673
Yemen	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	7,515	8,689	5,654	11,205	7,173	2,598	1,707
CNG							
Canada	23	21	15	21	21	19	19
Total CNG Imports	23	21	15	21	21	19	19
Total Imports	218,242	226,286	208,818	213,875	216,973	206,273	204,348
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.19	2.37	2.49	2.51	2.44	2.43	2.44
Mexico	1.08	1.55	1.65	1.84	1.83	1.88	1.58
Total Pipeline Imports	2.19	2.37	2.49	2.51	2.44	2.43	2.44
LNG							
By Truck							
Canada	8.21	8.40	8.36	8.76	8.43	9.03	8.95
By Vessel							
Nigeria	--	--	--	--	--	--	--
Norway	2.13	15.12	--	--	--	--	--
Trinidad/Tobago	5.63	6.25	6.02	3.43	4.51	6.24	5.98
Yemen	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	4.20	12.38	6.03	3.45	4.53	6.29	6.04
CNG							
Canada	3.02	1.99	1.14	0.52	0.45	0.79	0.88
Total CNG Imports	3.02	1.99	1.14	0.52	0.45	0.79	0.88
Total Imports	2.40	3.23	2.75	2.74	2.66	2.56	2.52
Net Imports - Volume	62,503	67,768	46,245	68,991	73,153	68,093	70,074

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2015-2017

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

	2015			
	April	March	February	January
Imports				
Volume (million cubic feet)				
Pipeline				
Canada ^a	202,133	242,508	241,917	267,666
Mexico	76	77	79	85
Total Pipeline Imports	202,209	242,585	241,996	267,751
LNG				
By Truck				
Canada	39	46	0	0
By Vessel				
Nigeria	0	0	0	0
Norway	0	0	0	0
Trinidad/Tobago	2,844	11,770	9,830	9,382
Yemen	0	2,834	2,373	2,234
Other	0	0	0	0
Total LNG Imports	2,883	14,651	12,202	11,616
CNG				
Canada	28	38	32	30
Total CNG Imports	28	38	32	30
Total Imports	205,120	257,274	254,230	279,397
Average Price (dollars per thousand cubic feet)				
Pipeline				
Canada	2.39	3.16	4.82	4.01
Mexico	1.64	1.93	1.93	2.24
Total Pipeline Imports	2.39	3.16	4.82	4.01
LNG				
By Truck				
Canada	9.50	9.51	--	--
By Vessel				
Nigeria	--	--	--	--
Norway	--	--	--	--
Trinidad/Tobago	8.29	8.26	9.06	10.90
Yemen	--	7.42	9.41	10.88
Other	--	--	--	--
Total LNG Imports	8.31	8.10	9.13	10.90
CNG				
Canada	2.02	8.55	9.12	8.91
Total CNG Imports	2.02	8.55	9.12	8.91
Total Imports	2.59	3.90	5.46	4.75
Net Imports - Volume	74,792	93,307	109,275	134,875

^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.

Note: In the case of missing import or export reports on Form FE-746R, "Import and Export of Natural Gas," EIA estimates the missing volumes using pipeline flows or other available information. Prices are in nominal dollars. LNG prices are a volume-weighted average of the prices reported by cargo. See the "LNG Monthly" (<https://energy.gov/fe/listings/lng-reports>) from the Office of Fossil Energy, U.S. Department of Energy, for more information on what is included in the individual LNG prices.

Source: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports."

Table 5. U.S. natural gas exports, 2015-2017

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

	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	March	February	2017 January	2016 Total
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	286,190	213,224	240,260	99,489	87,890	98,811	771,094
Mexico	363,010	299,488	207,517	129,851	\$113,370	\$119,789	1,357,244
Total Pipeline Exports	649,200	512,712	447,777	229,340	\$201,260	\$218,600	2,128,338
LNG							
Exports							
By Vessel							
Argentina	0	0	0	0	0	0	16,661
Barbados	57	4	0	20	15	22	100
Brazil	0	5,263	0	0	0	0	9,196
Chile	5,901	0	0	2,951	2,950	0	29,405
China	13,729	0	0	0	10,338	3,391	17,221
Dominican Republic	2,934	0	0	2,934	0	0	2,945
Egypt	0	0	0	0	0	0	3,606
India	7,022	2,844	0	0	3,399	3,623	16,915
Italy	0	0	0	0	0	0	3,328
Japan	14,238	0	0	0	3,705	10,533	11,137
Jordan	14,968	0	0	6,655	2,945	5,368	9,870
Kuwait	6,738	0	0	3,360	3,378	0	7,068
Malta	867	0	0	0	0	867	0
Mexico	39,145	0	0	10,728	14,407	14,010	27,470
Pakistan	3,166	0	0	3,166	0	0	0
Portugal	5,134	0	0	0	1,692	3,442	3,700
South Korea	7,042	0	0	7,042	0	0	10,166
Spain	11,768	0	0	0	1,766	10,002	2,930
Taiwan	0	0	0	0	0	0	0
Thailand	3,113	0	0	3,113	0	0	0
Turkey	10,923	0	0	3,521	7,402	0	8,762
United Arab Emirates	0	3,391	0	0	0	0	3,391
By Truck							
Canada	3	2	16	3	0	0	2
Mexico	190	73	54	61	44	85	375
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	612
Brazil	0	1,290	5,533	0	0	0	1,433
Egypt	0	0	0	0	0	0	0
India	0	547	0	0	0	0	547
Turkey	0	0	0	0	0	0	0
Total LNG Exports	146,936	13,414	5,603	43,553	52,042	51,342	186,841
CNG							
Canada	63	67	64	27	18	19	208
Total CNG Exports	63	67	64	27	18	19	208
Total Exports	796,199	526,192	453,444	272,920	\$253,319	\$269,960	2,315,387

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2016					
	December	November	October	September	August	July
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	97,178	74,544	43,471	61,499	55,012	49,750
Mexico	109,668	118,328	127,867	121,461	130,253	120,774
Total Pipeline Exports	206,846	192,872	171,338	182,961	185,265	170,524
LNG						
Exports						
By Vessel						
Argentina	0	0	0	0	2,190	0
Barbados	22	18	15	14	11	8
Brazil	0	0	0	0	3,933	0
Chile	0	2,940	0	0	9,518	6,074
China	6,747	7,341	0	0	0	3,132
Dominican Republic	0	0	0	0	2,945	0
Egypt	3,606	0	0	0	0	0
India	0	3,115	0	3,639	3,701	0
Italy	0	3,328	0	0	0	0
Japan	11,137	0	0	0	0	0
Jordan	0	0	2,942	3,362	0	3,566
Kuwait	0	0	0	3,458	0	0
Malta	0	0	0	0	0	0
Mexico	7,169	13,300	0	3,315	3,686	0
Pakistan	0	0	0	0	0	0
Portugal	0	0	0	0	0	0
South Korea	10,166	0	0	0	0	0
Spain	0	0	0	0	0	2,930
Taiwan	0	0	0	0	0	0
Thailand	0	0	0	0	0	0
Turkey	2,936	2,886	0	2,941	0	0
United Arab Emirates	0	0	0	0	0	0
By Truck						
Canada	0	0	1	0	0	0
Mexico	42	48	42	35	30	28
Re-Exports						
By Vessel						
Argentina	0	0	0	0	612	0
Brazil	0	0	0	0	142	0
Egypt	0	0	0	0	0	0
India	0	0	0	0	0	0
Turkey	0	0	0	0	0	0
Total LNG Exports	41,825	32,976	3,000	16,764	26,768	15,739
CNG						
Canada	18	22	11	0	0	20
Total CNG Exports	18	22	11	0	0	20
Total Exports	248,689	225,869	174,349	199,725	212,033	186,283

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2016					2015	
	May	April	March	February	January	Total	December
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	62,768	62,931	81,403	62,192	69,629	700,647	58,603
Mexico	113,229	102,605	103,413	97,234	98,841	1,054,271	99,952
Total Pipeline Exports	175,997	165,537	184,816	159,426	168,470	1,754,918	158,555
LNG							
Exports							
By Vessel							
Argentina	0	6,310	0	0	0	0	0
Barbados	1	3	2	2	0	0	0
Brazil	0	0	3,270	1,993	0	0	0
Chile	6,230	0	0	0	0	0	0
China	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0
India	0	0	2,844	0	0	0	0
Italy	0	0	0	0	0	0	0
Japan	0	0	0	0	0	8,262	0
Jordan	0	0	0	0	0	0	0
Kuwait	3,610	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0
Portugal	0	3,700	0	0	0	0	0
South Korea	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	8,257	0
Thailand	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
United Arab Emirates	0	0	3,391	0	0	0	0
By Truck							
Canada	0	0	0	0	2	41	0
Mexico	33	23	24	24	25	195	27
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	1,290	0	5,533	0
Egypt	0	0	0	0	0	2,947	0
India	0	0	547	0	0	0	0
Turkey	0	0	0	0	0	3,145	3,145
Total LNG Exports	9,874	10,036	10,078	3,309	26	28,381	3,172
CNG							
Canada	25	28	21	22	25	214	27
Total CNG Exports	25	28	21	22	25	214	27
Total Exports	185,897	175,601	194,915	162,757	168,521	1,783,512	161,754

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

							2015
	November	October	September	August	July	June	May
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	61,260	57,430	59,695	40,986	39,995	44,658	44,672
Mexico	91,490	98,314	100,111	101,131	101,031	90,724	86,805
Total Pipeline Exports	152,750	155,744	159,806	142,117	141,027	135,382	131,477
LNG							
Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
Chile	0	0	0	0	0	0	0
China	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0
Italy	0	0	0	0	0	0	0
Japan	0	2,755	0	2,753	2,753	0	0
Jordan	0	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0
Taiwan	0	0	2,755	0	0	2,754	2,748
Thailand	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0
By Truck							
Canada	1	0	2	0	5	6	6
Mexico	21	14	11	10	13	14	15
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
Egypt	2,947	0	0	0	0	0	0
India	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
Total LNG Exports	2,969	2,769	2,767	2,763	2,771	2,774	2,769
CNG							
Canada	20	4	0	5	23	23	28
Total CNG Exports	20	4	0	5	23	23	28
Total Exports	155,739	158,517	162,573	144,885	143,820	138,179	134,274

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2015			
	April	March	February	January
Exports				
Volume (million cubic feet)				
Pipeline				
Canada	53,086	89,639	77,594	73,028
Mexico	77,196	74,286	64,596	68,635
Total Pipeline Exports	130,283	163,925	142,190	141,663
LNG				
Exports				
By Vessel				
Argentina	0	0	0	0
Barbados	0	0	0	0
Brazil	0	0	0	0
Chile	0	0	0	0
China	0	0	0	0
Dominican Republic	0	0	0	0
Egypt	0	0	0	0
India	0	0	0	0
Italy	0	0	0	0
Japan	0	0	0	0
Jordan	0	0	0	0
Kuwait	0	0	0	0
Malta	0	0	0	0
Mexico	0	0	0	0
Pakistan	0	0	0	0
Portugal	0	0	0	0
South Korea	0	0	0	0
Spain	0	0	0	0
Taiwan	0	0	0	0
Thailand	0	0	0	0
Turkey	0	0	0	0
United Arab Emirates	0	0	0	0
By Truck				
Canada	6	6	4	6
Mexico	18	17	16	21
Re-Exports				
By Vessel				
Argentina	0	0	0	0
Brazil	0	0	2,728	2,805
Egypt	0	0	0	0
India	0	0	0	0
Turkey	0	0	0	0
Total LNG Exports	24	23	2,748	2,832
CNG				
Canada	21	20	17	27
Total CNG Exports	21	20	17	27
Total Exports	130,328	163,967	144,955	144,522

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	March	February	2017 January	2016 Total
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.36	2.31	3.91	3.01	3.21	3.85	2.60
Mexico	3.27	2.17	3.17	2.93	3.25	3.67	2.64
Total Pipeline Exports	3.31	2.23	3.57	2.97	3.24	3.75	2.63
LNG							
Exports							
By Vessel							
Argentina	--	--	--	--	--	--	4.47
Barbados	10.40	12.60	--	10.40	10.40	10.40	10.12
Brazil	--	3.72	--	--	--	--	4.39
Chile	6.72	--	--	6.26	7.18	--	5.30
China	4.86	--	--	--	4.92	4.70	4.16
Dominican Republic	5.59	--	--	5.59	--	--	5.41
Egypt	--	--	--	--	--	--	6.46
India	4.39	3.99	--	--	4.06	4.70	4.92
Italy	--	--	--	--	--	--	6.32
Japan	6.79	--	--	--	7.18	6.65	3.76
Jordan	5.06	--	--	4.42	4.06	6.41	5.11
Kuwait	4.33	--	--	3.14	5.50	--	4.40
Malta	4.70	--	--	--	--	4.70	--
Mexico	6.35	--	--	5.25	6.40	7.15	4.56
Pakistan	3.14	--	--	3.14	--	--	--
Portugal	7.25	--	--	--	7.18	7.29	3.58
South Korea	3.82	--	--	3.81	--	--	5.75
Spain	6.41	--	--	--	7.18	6.28	4.92
Taiwan	--	--	--	--	--	--	--
Thailand	3.14	--	--	3.14	--	--	--
Turkey	6.17	--	--	4.60	6.91	--	3.53
United Arab Emirates	--	4.18	--	--	--	--	4.18
By Truck							
Canada	8.39	7.41	12.95	8.39	--	--	7.50
Mexico	9.40	10.03	10.84	8.64	9.97	9.66	9.81
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	4.51
Brazil	--	3.54	15.20	--	--	--	3.64
Egypt	--	--	--	--	--	--	--
India	--	3.99	--	--	--	--	3.99
Turkey	--	--	--	--	--	--	--
Total LNG Exports	5.70	3.92	15.15	4.47	5.99	6.44	4.71
CNG							
Canada	7.39	3.60	10.97	3.32	7.73	12.97	3.30
Total CNG Exports	7.39	3.60	10.97	3.32	7.73	12.97	3.30
Total Exports	3.75	2.27	3.71	3.21	3.80	4.26	2.80

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

							2016
	December	November	October	September	August	July	June
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.82	2.71	2.72	2.83	2.65	2.73	2.23
Mexico	3.52	2.76	3.17	3.07	2.93	2.80	2.46
Total Pipeline Exports	3.66	2.74	3.06	2.99	2.84	2.78	2.39
LNG							
Exports							
By Vessel							
Argentina	--	--	--	--	4.51	--	4.71
Barbados	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Brazil	--	--	--	--	5.29	--	--
Chile	--	5.64	--	--	5.53	5.82	4.69
China	4.50	3.21	--	--	--	5.66	--
Dominican Republic	--	--	--	--	5.41	--	--
Egypt	6.46	--	--	--	--	--	--
India	--	5.74	--	5.00	5.01	--	4.77
Italy	--	6.32	--	--	--	--	--
Japan	3.76	--	--	--	--	--	--
Jordan	--	--	3.52	5.74	--	5.81	--
Kuwait	--	--	--	5.58	--	--	--
Malta	--	--	--	--	--	--	--
Mexico	4.14	4.64	--	5.53	4.23	--	--
Pakistan	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--
South Korea	5.75	--	--	--	--	--	--
Spain	--	--	--	--	--	4.92	--
Taiwan	--	--	--	--	--	--	--
Thailand	--	--	--	--	--	--	--
Turkey	3.87	3.30	--	3.41	--	--	--
United Arab Emirates	--	--	--	--	--	--	--
By Truck							
Canada	--	--	7.70	--	--	--	--
Mexico	10.20	9.72	10.06	9.78	9.72	9.76	9.43
Re-Exports							
By Vessel							
Argentina	--	--	--	--	4.51	--	--
Brazil	--	--	--	--	4.57	--	--
Egypt	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	4.68	4.58	3.65	5.11	5.13	5.63	4.72
CNG							
Canada	4.72	2.55	2.53	--	--	3.88	2.80
Total CNG Exports	4.72	2.55	2.53	--	--	3.88	2.80
Total Exports	3.83	3.01	3.07	3.17	3.13	3.02	2.60

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2016					2015	
	May	April	March	February	January	Total	December
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	1.98	2.07	1.99	2.34	2.66	3.15	2.30
Mexico	2.07	2.03	1.88	2.20	2.45	2.81	2.30
Total Pipeline Exports	2.04	2.05	1.93	2.26	2.54	2.95	2.30
LNG							
Exports							
By Vessel							
Argentina	--	4.16	--	--	--	--	--
Barbados	10.00	10.00	15.19	10.00	--	--	--
Brazil	--	--	3.83	3.54	--	--	--
Chile	4.72	--	--	--	--	--	--
China	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--
India	--	--	3.98	--	--	--	--
Italy	--	--	--	--	--	--	--
Japan	--	--	--	--	--	7.50	--
Jordan	--	--	--	--	--	--	--
Kuwait	3.27	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--
Portugal	--	3.58	--	--	--	--	--
South Korea	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--
Taiwan	--	--	--	--	--	7.49	--
Thailand	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
United Arab Emirates	--	--	4.18	--	--	--	--
By Truck							
Canada	--	--	--	--	7.41	12.36	--
Mexico	9.67	8.99	8.96	10.16	10.96	10.44	10.90
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	3.54	--	15.20	--
Egypt	--	--	--	--	--	16.71	--
India	--	--	3.98	--	--	--	--
Turkey	--	--	--	--	--	15.99	15.99
Total LNG Exports	4.21	3.96	4.01	3.59	10.74	10.92	15.95
CNG							
Canada	3.22	2.58	3.05	2.42	5.09	5.73	5.46
Total CNG Exports	3.22	2.58	3.05	2.42	5.09	5.73	5.46
Total Exports	2.15	2.16	2.04	2.28	2.54	3.07	2.57

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

							2015
	November	October	September	August	July	June	May
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.50	2.76	2.97	2.97	2.84	2.85	2.85
Mexico	2.26	2.61	2.77	3.00	3.01	2.94	2.86
Total Pipeline Exports	2.36	2.66	2.84	2.99	2.96	2.91	2.85
LNG							
Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Barbados	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
Chile	--	--	--	--	--	--	--
China	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Italy	--	--	--	--	--	--	--
Japan	--	6.51	--	7.90	8.08	--	--
Jordan	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--
South Korea	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--
Taiwan	--	--	7.16	--	--	7.80	7.50
Thailand	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--
By Truck							
Canada	6.81	--	10.18	--	13.39	12.01	12.14
Mexico	10.59	10.48	9.81	9.94	9.96	10.01	9.96
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
Egypt	16.71	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	16.67	6.53	7.17	7.91	8.10	7.82	7.53
CNG							
Canada	4.80	3.42	--	2.08	2.91	2.44	2.37
Total CNG Exports	4.80	3.42	--	2.08	2.91	2.44	2.37
Total Exports	2.63	2.73	2.92	3.09	3.06	3.01	2.95

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2015			
	April	March	February	January
Exports				
Average Price (dollars per thousand cubic feet)				
Pipeline				
Canada	2.91	3.71	4.39	3.63
Mexico	2.77	3.03	3.10	3.38
Total Pipeline Exports	2.83	3.40	3.81	3.51
LNG				
Exports				
By Vessel				
Argentina	--	--	--	--
Barbados	--	--	--	--
Brazil	--	--	--	--
Chile	--	--	--	--
China	--	--	--	--
Dominican Republic	--	--	--	--
Egypt	--	--	--	--
India	--	--	--	--
Italy	--	--	--	--
Japan	--	--	--	--
Jordan	--	--	--	--
Kuwait	--	--	--	--
Malta	--	--	--	--
Mexico	--	--	--	--
Pakistan	--	--	--	--
Portugal	--	--	--	--
South Korea	--	--	--	--
Spain	--	--	--	--
Taiwan	--	--	--	--
Thailand	--	--	--	--
Turkey	--	--	--	--
United Arab Emirates	--	--	--	--
By Truck				
Canada	11.88	12.77	12.77	13.27
Mexico	10.03	10.52	10.62	11.27
Re-Exports				
By Vessel				
Argentina	--	--	--	--
Brazil	--	--	12.89	17.44
Egypt	--	--	--	--
India	--	--	--	--
Turkey	--	--	--	--
Total LNG Exports	10.53	11.10	12.87	17.39
CNG				
Canada	3.35	10.08	10.53	11.89
Total CNG Exports	3.35	10.08	10.53	11.89
Total Exports	2.83	3.41	3.98	3.78

^R Revised data.

-- Not applicable.

Notes: In the case of missing import or export reports on Form FE-746R, "Import and Export of Natural Gas," EIA estimates the missing volumes using pipeline flows or other available information. LNG re-exports are shipments of LNG to foreign countries that were previously imported, offloaded into above-ground LNG storage tanks, and then subsequently reloaded onto tankers for delivery to other countries. Prices are in nominal dollars. LNG prices are a volume-weighted average of the prices reported by cargo. See the "LNG Monthly" (<https://energy.gov/fe/listings/lng-reports>) from the Office of Fossil Energy, U.S. Department of Energy, for more information on what is included in the individual LNG prices.

Source: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports."

Table 6

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2012-2017
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
2012 Total	3,164,791	1,146,168	246,822	1,709,376	296,299	2,955,437	66,954	1,276,296	258,568	84,482
2013 Total	3,215,358	1,139,654	252,310	1,604,860	292,467	2,366,943	63,242	1,247,394	345,787	166,017
2014 Total	3,168,545	1,122,733	238,988	1,643,487	286,480	1,968,618	59,160	1,266,379	463,216	512,371
2015										
January	291,928	90,124	19,579	143,307	27,171	151,130	5,016	103,388	45,747	64,049
February	254,488	78,243	17,865	131,720	24,406	140,835	4,575	97,970	41,409	60,157
March	299,987	88,842	19,670	145,431	26,626	153,695	4,876	110,022	47,317	69,570
April	284,701	87,259	20,597	140,951	23,209	151,485	4,909	107,842	46,081	70,792
May	261,374	89,383	21,197	144,431	23,790	156,771	4,994	111,792	50,543	77,865
June	223,007	84,146	19,568	140,779	22,937	145,362	4,784	107,456	49,641	84,693
July	221,334	85,283	19,225	142,461	23,438	150,784	4,941	109,397	51,446	88,406
August	204,070	83,697	19,466	146,089	23,484	149,518	4,756	112,943	50,999	87,904
September	261,160	81,249	18,394	138,917	22,506	145,577	4,573	110,650	48,085	89,371
October	279,437	82,955	18,456	146,669	23,053	149,599	4,827	113,014	51,373	104,127
November	289,760	78,958	17,929	140,798	21,720	145,573	4,562	108,823	50,294	104,731
December	304,055	80,135	19,114	143,282	22,896	144,468	4,608	103,162	51,807	113,185
Total	3,175,301	1,010,274	231,060	1,704,836	285,236	1,784,797	57,421	1,296,458	584,743	1,014,848
2016										
January	298,809	£77,842	£18,737	£143,629	£22,543	£158,907	£4,521	£100,031	£50,146	£112,423
February	273,296	£71,967	£17,100	£134,325	£20,866	£153,090	£4,233	£99,889	£47,912	£116,401
March	295,244	£74,543	£18,166	£143,636	£22,110	£152,390	£4,426	£109,105	£51,852	£120,760
April	246,120	£70,831	£17,618	£139,949	£21,173	£154,885	£4,275	£106,844	£47,507	£118,944
May	269,204	£71,791	£18,074	£144,657	£21,621	£160,319	£4,461	£109,650	£51,206	£121,778
June	233,820	£67,340	£17,229	£136,813	£20,531	£150,242	£4,285	£105,916	£50,039	£115,207
July	239,444	£68,255	£17,568	£142,734	£21,010	£162,636	£4,312	£110,960	£52,714	£117,841
August	250,325	£67,204	£17,814	£146,011	£20,642	£159,759	£4,158	£111,397	£51,172	£132,639
September	249,270	£64,224	£17,174	£140,186	£19,871	£152,314	£4,094	£107,605	£48,297	£131,410
October	271,932	£65,950	£17,602	£145,883	£20,240	£154,845	£4,197	£109,664	£53,381	£126,902
November	293,970	£63,331	£16,966	£141,394	£19,654	£153,348	£4,166	£108,125	£53,006	£122,054
December	308,512	£63,639	£17,402	£144,060	£19,263	£156,866	£4,089	£107,806	£47,889	£130,496
Total	3,229,946	£826,917	£211,451	£1,703,277	£249,524	£1,869,601	£51,219	£1,286,992	£605,122	£1,466,854
2017										
January	301,506	RE65,622	RE17,262	RE143,020	RE19,255	RE152,924	RE4,050	RE105,047	RE48,508	RE132,523
February	275,044	RE59,664	RE15,325	RE130,122	RE17,535	RE144,352	RE3,732	RE97,098	RE47,972	RE122,124
March	308,109	£61,850	£16,730	£142,987	£19,229	£165,800	£4,062	£108,116	£54,145	£131,065
2017 3-Month YTD	884,659	£187,136	£49,316	£416,129	£56,019	£463,076	£11,844	£310,262	£150,626	£385,712
2016 3-Month YTD	867,349	£224,352	£54,004	£421,591	£65,519	£464,387	£13,181	£309,025	£149,910	£349,584
2015 3-Month YTD	846,403	257,209	57,114	420,458	78,202	445,660	14,466	311,380	134,473	193,776

See footnotes at end of table.

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2012-2017
(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
2012 Total	2,023,461	2,256,696	8,143,510	490,393	539,860	2,225,622	1,129,702	1,527,875	29,542,313
2013 Total	1,993,754	3,259,042	8,299,472	470,863	741,853	2,047,757	689,082	1,326,697	29,522,551
2014 Total	2,331,086	4,257,693	8,659,188	454,545	1,067,114	1,998,505	631,536	1,275,738	31,405,381
2015									
January	206,817	408,019	740,385	37,590	110,332	166,745	52,270	107,666	2,771,263
February	186,741	370,836	679,948	34,974	98,200	150,995	47,048	95,362	2,515,773
March	216,067	413,155	756,890	39,723	113,381	170,414	51,081	96,912	2,823,658
April	209,983	392,752	736,605	38,096	110,279	167,169	49,261	108,323	2,750,295
May	214,639	391,332	754,023	38,525	120,138	167,208	50,778	112,453	2,791,236
June	211,079	376,856	727,689	36,673	113,604	164,051	50,068	106,469	2,668,863
July	217,883	401,777	753,526	36,655	115,055	167,282	51,037	118,119	2,758,050
August	213,529	409,771	748,215	33,179	114,871	167,987	50,905	120,585	2,741,970
September	204,298	398,110	731,049	31,097	111,932	163,129	49,140	117,454	2,726,691
October	209,342	407,234	739,603	31,636	108,711	168,572	50,648	112,099	2,801,357
November	201,517	409,344	713,058	30,898	96,829	163,860	48,532	104,003	2,731,190
December	207,703	433,795	720,290	34,255	105,489	166,317	49,888	109,935	2,814,383
Total	2,499,599	4,812,983	8,801,282	423,300	1,318,822	1,983,731	600,656	1,309,380	32,894,727
2016									
January	£214,000	£447,447	£707,527	£34,199	£114,272	£155,930	£49,350	£108,752	£2,819,066
February	£201,258	£430,800	£664,972	£31,283	£108,093	£145,478	£46,199	£101,117	£2,668,278
March	£214,561	£452,601	£702,555	£33,192	£112,282	£156,116	£48,544	£111,315	£2,823,398
April	£203,524	£429,503	£680,919	£31,720	£110,827	£148,710	£46,788	£101,883	£2,682,021
May	£211,836	£441,974	£698,238	£31,762	£114,948	£148,721	£48,257	£110,027	£2,778,526
June	£202,081	£434,819	£675,064	£29,847	£104,295	£145,310	£45,823	£96,330	£2,634,991
July	£210,617	£443,676	£684,636	£30,500	£119,222	£136,600	£47,182	£99,929	£2,709,835
August	£211,218	£443,604	£684,429	£30,359	£119,208	£139,752	£46,706	£105,654	£2,742,050
September	£202,202	£419,040	£652,653	£29,003	£114,934	£145,418	£45,306	£96,905	£2,639,906
October	£206,225	£421,765	£668,817	£29,312	£118,134	£152,671	£46,582	£103,487	£2,717,589
November	£195,366	£437,277	£638,439	£27,790	£116,078	£145,935	£44,879	£101,770	£2,683,548
December	£195,424	£461,466	£640,971	£28,283	£122,817	£146,200	£45,661	£107,334	£2,748,177
Total	£2,468,312	£5,263,973	£8,099,218	£367,251	£1,375,108	£1,766,840	£561,276	£1,244,503	£32,647,385
2017									
January	RE193,927	£461,677	RE642,478	RE27,708	£123,989	RE141,236	£45,362	RE105,934	RE2,732,028
February	RE179,866	RE424,240	RE594,829	£25,038	£112,310	RE130,012	RE40,643	RE93,927	RE2,513,832
March	£200,437	£464,786	£653,685	£27,709	£124,921	£144,948	£44,630	£105,644	£2,778,855
2017 3-Month YTD	£574,230	£1,350,703	£1,890,993	£80,454	£361,220	£416,196	£130,636	£305,505	£8,024,716
2016 3-Month YTD	£629,819	£1,330,848	£2,075,054	£98,674	£334,647	£457,524	£144,092	£321,183	£8,310,742
2015 3-Month YTD	609,625	1,192,010	2,177,223	112,287	321,913	488,154	150,400	299,939	8,110,693

^E Estimated data.

^{RE} Revised estimated data.

Notes: For 2014, monthly volumes are available only for those states/areas that were collected individually on the EIA-914 Survey (Louisiana, New Mexico, Oklahoma, Texas, Wyoming, and the Federal Offshore Gulf of Mexico) and Alaska. Starting in 2015, 10 states (Arkansas, California, Colorado, Kansas, Montana, North Dakota, Ohio, Pennsylvania, Utah, and West Virginia) were added to the EIA-914 data collection and are reported individually. The remaining states/areas (Alabama, Arizona, Federal Offshore Pacific, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) are grouped in the "Other States" category. Monthly preliminary state-level data for all states not collected individually on the EIA-914 survey 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: 2012-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*, and Bureau of Safety and Environmental Enforcement (BSEE) reports. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and its predecessor, "Monthly Natural Gas Production Report"; BSEE reports; PointLogic Energy; Ventyx; BENTEK Energy; industry reports; and EIA computations.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2012-2017
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
2012 Total	351,259	1,146,168	246,822	1,709,376	296,299	2,955,437	66,954	1,215,773	172,242	84,482
2013 Total	338,182	1,139,654	252,310	1,604,860	292,467	2,360,202	63,242	1,171,640	235,711	166,017
2014 Total	345,310	1,122,733	238,988	1,643,487	286,480	1,960,813	59,160	1,229,519	326,491	512,371
2015										
January	31,439	90,124	19,579	143,307	27,171	150,559	5,016	99,904	34,890	64,049
February	27,510	78,243	17,865	131,720	24,406	140,258	4,575	94,642	32,891	60,157
March	30,523	88,842	19,670	145,431	26,626	152,988	4,876	105,697	37,313	69,570
April	29,759	87,259	20,597	140,951	23,209	150,812	4,909	103,230	37,433	70,792
May	29,124	89,383	21,197	144,431	23,790	156,076	4,994	106,836	40,751	77,865
June	26,000	84,146	19,568	140,779	22,937	144,605	4,784	102,625	40,074	84,693
July	26,682	85,283	19,225	142,461	23,438	150,102	4,941	104,033	40,622	88,406
August	25,176	83,697	19,466	146,089	23,484	148,908	4,756	107,577	39,931	87,904
September	27,601	81,249	18,394	138,917	22,506	144,978	4,573	106,601	38,665	89,371
October	29,190	82,955	18,456	146,669	23,053	148,924	4,827	109,119	43,503	104,127
November	29,589	78,958	17,929	140,798	21,720	144,929	4,562	104,888	41,842	104,731
December	30,941	80,135	19,114	143,282	22,896	143,661	4,608	99,659	43,589	113,185
Total	343,534	1,010,274	231,060	1,704,836	285,236	1,776,800	57,421	1,244,811	471,504	1,014,848
2016										
January	30,686	£77,842	£18,737	£143,629	£22,543	£158,192	£4,521	£95,640	£41,822	£112,423
February	28,434	£71,967	£17,100	£134,325	£20,866	£152,401	£4,233	£95,504	£39,959	£116,401
March	29,893	£74,543	£18,166	£143,636	£22,110	£151,705	£4,426	£104,315	£43,245	£120,760
April	26,259	£70,831	£17,618	£139,949	£21,173	£154,188	£4,275	£102,153	£39,621	£118,944
May	27,071	£71,791	£18,074	£144,657	£21,621	£159,598	£4,461	£104,836	£42,706	£121,778
June	24,882	£67,340	£17,229	£136,813	£20,531	£149,566	£4,285	£101,266	£41,733	£115,207
July	25,025	£68,255	£17,568	£142,734	£21,010	£161,904	£4,312	£106,089	£43,963	£117,841
August	24,918	£67,204	£17,814	£146,011	£20,642	£159,040	£4,158	£106,507	£42,677	£132,639
September	30,524	£64,224	£17,174	£140,186	£19,871	£151,629	£4,094	£102,881	£40,280	£131,410
October	28,546	£65,950	£17,602	£145,883	£20,240	£154,148	£4,197	£104,850	£44,519	£126,902
November	35,778	£63,331	£16,966	£141,394	£19,654	£152,658	£4,166	£103,379	£44,207	£122,054
December	31,612	£63,639	£17,402	£144,060	£19,263	£156,160	£4,089	£103,073	£39,940	£130,496
Total	343,629	£826,917	£211,451	£1,703,277	£249,524	£1,861,187	£51,219	£1,230,493	£504,672	£1,466,854
2017										
January	31,023	RE65,622	RE17,262	RE143,020	RE19,255	RE152,236	RE4,050	RE100,436	RE40,456	RE132,523
February	28,145	RE59,664	RE15,325	RE130,122	RE17,535	RE143,702	RE3,732	RE92,836	RE40,009	RE122,124
March	31,344	£61,850	£16,730	£142,987	£19,229	£165,054	£4,062	£103,370	£45,157	£131,065
2017 3-Month YTD	90,512	£187,136	£49,316	£416,129	£56,019	£460,992	£11,844	£296,641	£125,622	£385,712
2016 3-Month YTD	89,013	£224,352	£54,004	£421,591	£65,519	£462,298	£13,181	£295,458	£125,025	£349,584
2015 3-Month YTD	89,472	257,209	57,114	420,458	78,202	443,804	14,466	300,243	105,093	193,776

See footnotes at end of table.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2012-2017

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
2012 Total	2,023,461	2,256,696	7,475,495	490,393	539,860	2,022,275	722,721	1,507,564	25,283,278
2013 Total	1,993,754	3,259,042	7,633,618	470,863	741,853	1,858,207	671,364	1,309,246	25,562,232
2014 Total	2,331,086	4,257,693	7,985,019	454,545	1,067,114	1,794,413	628,854	1,253,678	27,497,754
2015									
January	206,817	408,019	653,831	37,590	110,332	151,386	51,853	105,441	2,391,305
February	186,741	370,836	613,311	34,974	98,200	136,015	46,684	93,580	2,192,608
March	216,067	413,155	676,440	39,723	113,381	152,906	50,775	95,228	2,439,210
April	209,983	392,752	664,552	38,096	110,279	151,289	48,883	106,587	2,391,372
May	214,639	391,332	673,495	38,525	120,138	150,822	50,389	110,517	2,444,303
June	211,079	376,856	657,094	36,673	113,604	148,664	49,620	104,646	2,368,447
July	217,883	401,777	673,240	36,655	115,055	151,190	50,555	116,251	2,447,799
August	213,529	409,771	666,179	33,179	114,871	152,340	50,406	118,791	2,446,056
September	204,298	398,110	659,888	31,097	111,932	147,335	48,631	115,877	2,390,024
October	209,342	407,234	660,433	31,636	108,711	152,643	50,133	110,458	2,441,416
November	201,517	409,344	634,462	30,898	96,829	148,584	48,052	102,500	2,362,132
December	207,703	433,795	647,606	34,255	105,489	150,540	49,384	108,420	2,438,262
Total	2,499,599	4,812,983	7,880,530	423,300	1,318,822	1,793,716	595,365	1,288,296	28,752,935
2016									
January	£214,000	£447,447	£610,242	£34,199	£114,272	£141,444	£48,916	£107,175	£2,423,731
February	£201,258	£430,800	£573,538	£31,283	£108,093	£131,963	£45,792	£99,650	£2,303,567
March	£214,561	£452,601	£605,954	£33,192	£112,282	£141,613	£48,116	£109,700	£2,430,818
April	£203,524	£429,503	£587,292	£31,720	£110,827	£134,894	£46,377	£100,406	£2,339,556
May	£211,836	£441,974	£602,230	£31,762	£114,948	£134,905	£47,832	£108,432	£2,410,513
June	£202,081	£434,819	£582,243	£29,847	£104,295	£131,810	£45,419	£94,933	£2,304,300
July	£210,617	£443,676	£590,498	£30,500	£119,222	£123,910	£46,767	£98,480	£2,372,371
August	£211,218	£443,604	£590,320	£30,359	£119,208	£126,769	£46,295	£104,122	£2,393,504
September	£202,202	£419,040	£562,913	£29,003	£114,934	£131,908	£44,908	£95,499	£2,302,681
October	£206,225	£421,765	£576,854	£29,312	£118,134	£138,487	£46,172	£101,987	£2,351,775
November	£195,366	£437,277	£550,653	£27,790	£116,078	£132,378	£44,484	£100,295	£2,307,907
December	£195,424	£461,466	£552,837	£28,283	£122,817	£132,618	£45,259	£105,777	£2,354,215
Total	£2,468,312	£5,263,973	£6,985,576	£367,251	£1,375,108	£1,602,701	£556,337	£1,226,458	£28,294,939
2017									
January	RE193,927	£461,677	RE554,138	RE27,708	£123,989	RE128,115	£44,963	RE104,398	RE2,344,796
February	RE179,866	RE424,240	RE513,040	£25,038	£112,310	RE117,934	RE40,286	RE92,565	RE2,158,471
March	£200,437	£464,786	£563,804	£27,709	£124,921	£131,482	£44,238	£104,112	£2,382,338
2017 3-Month YTD	£574,230	£1,350,703	£1,630,981	£80,454	£361,220	£377,531	£129,486	£301,076	£6,885,605
2016 3-Month YTD	£629,819	£1,330,848	£1,789,734	£98,674	£334,647	£415,020	£142,824	£316,526	£7,158,116
2015 3-Month YTD	609,625	1,192,010	1,943,582	112,287	321,913	440,308	149,312	294,249	7,023,124

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

Notes: For 2014 forward, marketed production is estimated from gross withdrawals using historical relationships between the two. For 2014, monthly volumes are available only for those states/areas that were collected individually on the EIA-914 Survey (Louisiana, New Mexico, Oklahoma, Texas, Wyoming, and the Federal Offshore Gulf of Mexico) and Alaska. Starting in 2015, ten states (Arkansas, California, Colorado, Kansas, Montana, North Dakota, Ohio, Pennsylvania, Utah, and West Virginia) were added to the EIA-914 data collection and are reported individually. The remaining states/areas (Alabama, Arizona, Federal Offshore Pacific, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) are grouped in the "Other States" category. Monthly preliminary state-level data for all states not collected individually on the EIA-914 Survey 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: 2012-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*, and Bureau of Safety and Environmental Enforcement (BSEE) reports. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and its predecessor, "Monthly Natural Gas Production Report"; BSEE reports; PointLogic Energy; Ventyx; BENTEK Energy; industry reports; and EIA computations.

Table 8. Underground natural gas storage – all operators, 2012-2017
(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
2012 Total^c	--	--	--	--	--	2,825	2,818	-7
2013 Total^c	--	--	--	--	--	3,156	3,702	546
2014 Total^c	--	--	--	--	--	3,839	3,586	-253
2015								
January	4,361	2,415	6,776	490	25.5	70	795	725
February	4,360	1,674	6,034	474	39.5	62	803	742
March	4,361	1,480	5,841	623	72.6	182	376	193
April	4,360	1,802	6,162	736	69.0	405	84	-321
May	4,363	2,296	6,659	748	48.3	542	44	-497
June	4,367	2,656	7,023	650	32.4	430	68	-362
July	4,372	2,933	7,305	533	22.2	379	96	-283
August	4,364	3,250	7,614	482	17.4	394	85	-309
September	4,365	3,622	7,987	435	13.7	435	63	-372
October	4,365	3,951	8,316	363	10.1	401	70	-331
November	4,368	3,935	8,303	508	14.8	201	214	12
December	4,363	3,675	8,038	534	17.0	138	403	264
Total	--	--	--	--	--	3,639	3,101	-538
2016								
January	4,361	R2,947	R7,307	R532	R22.0	66	795	R729
February	4,361	R2,543	R6,904	R869	R51.9	111	515	403
March	4,352	2,495	6,847	1,015	68.6	215	R272	R57
April	4,355	2,654	7,009	852	47.3	294	130	-164
May	4,357	2,975	7,332	R679	29.5	402	R74	R-328
June	4,360	R3,194	R7,554	R539	20.3	R316	94	R-222
July	4,360	R3,327	R7,686	R394	R13.4	283	150	-133
August	4,360	R3,450	R7,810	R200	6.2	286	162	-124
September	4,360	R3,714	R8,073	R91	2.5	351	88	-262
October	4,362	R4,021	R8,383	R71	1.8	387	78	-308
November	4,364	R3,985	R8,348	R50	1.3	178	213	35
December	4,371	R3,305	R7,675	R-370	-10.1	87	763	676
Total	--	--	--	--	--	R2,977	R3,334	R358
2017								
January	4,370	R2,631	R7,001	R-316	-10.7	101	776	675
February	4,369	R2,346	R6,715	R-197	R-7.7	131	416	285
March	4,370	2,072	6,442	-423	-16.9	168	442	275

^a Total underground storage capacity at the end of each calendar year (in billion cubic feet): 2012 – 8,991; 2013 – 9,173; 2014 – 9,233; and 2015- 9,231. Total storage capacity of existing fields includes both active and inactive fields.

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

^c Total as of December 31.

^R Revised data.

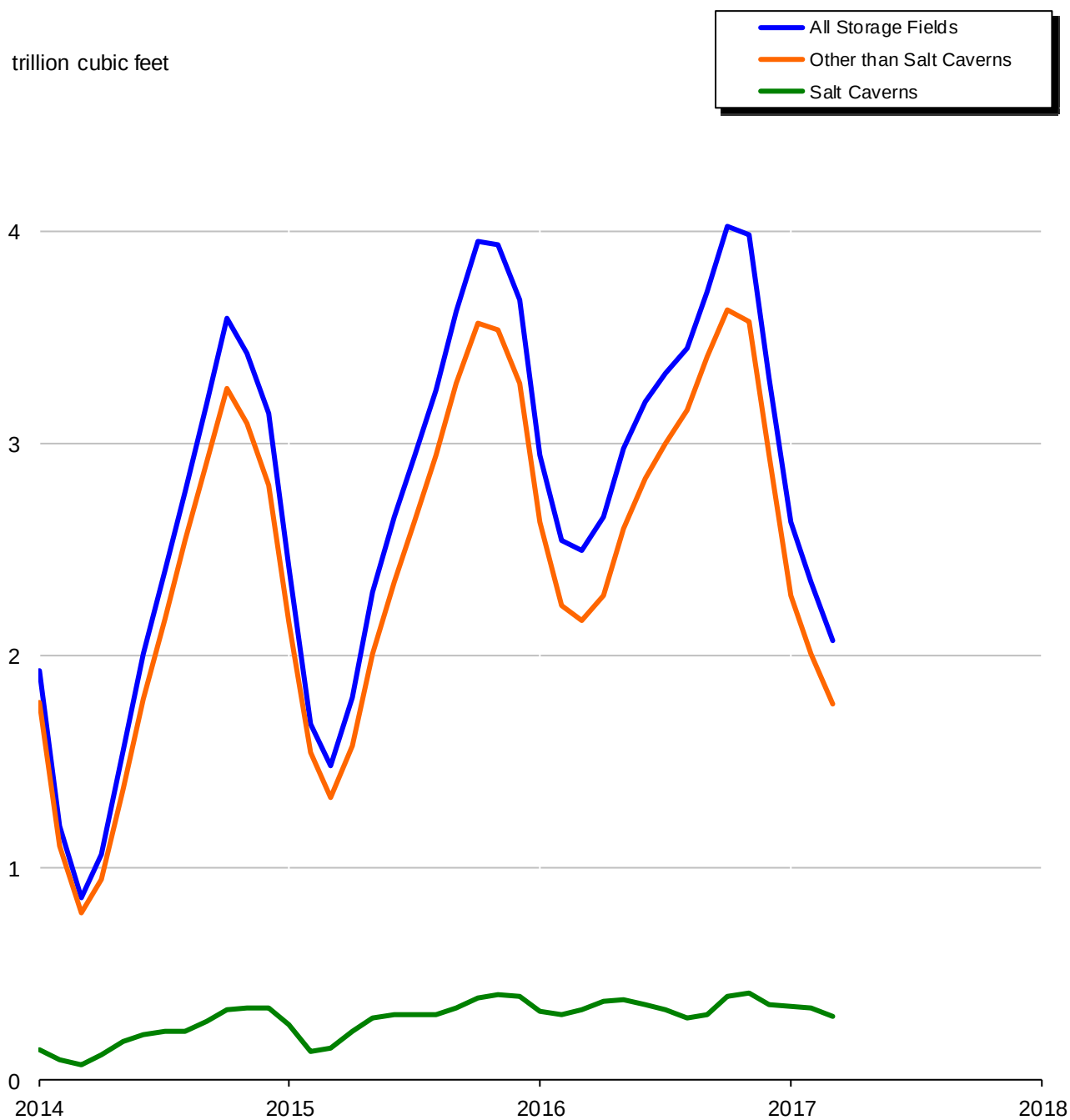
-- Not applicable.

Notes: Data for 2012 through 2014 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. Alaska added to U.S. totals as of January 2013. Change in Working Gas from Same Period, Previous Year, includes data for Alaska, which had no working gas recorded for periods prior to January 2013.

Source: 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, 2014-2017

Figure 5



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

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

Table 9. Underground natural gas storage – by season, 2015-2017
(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
2015 Heating Season								
November	4,367	3,427	7,794	-178	-5.0	200	361	161
December	4,365	3,141	7,506	251	8.7	143	429	286
January	4,361	2,415	6,776	490	25.5	70	795	725
February	4,360	1,674	6,034	474	39.5	62	803	742
March	4,361	1,480	5,841	623	72.6	182	376	193
Total	--	--	--	--	--	657	2,765	2,108
2015 Refill Season								
April	4,360	1,802	6,162	736	69.0	405	84	-321
May	4,363	2,296	6,659	748	48.3	542	44	-497
June	4,367	2,656	7,023	650	32.4	430	68	-362
July	4,372	2,933	7,305	533	22.2	379	96	-283
August	4,364	3,250	7,614	482	17.4	394	85	-309
September	4,365	3,622	7,987	435	13.7	435	63	-372
October	4,365	3,951	8,316	363	10.1	401	70	-331
Total	--	--	--	--	--	2,986	511	-2,475
2016 Heating Season								
November	4,368	3,935	8,303	508	14.8	201	214	12
December	4,363	3,675	8,038	534	17.0	138	403	264
January	4,361	R2,947	R7,307	R532	R22.0	66	795	R729
February	4,361	R2,543	R6,904	R869	R51.9	111	515	403
March	4,352	2,495	6,847	1,015	68.6	215	R272	R57
Total	--	--	--	--	--	732	R2,197	R1,465
2016 Refill Season								
April	4,355	2,654	7,009	852	47.3	294	130	-164
May	4,357	2,975	7,332	R679	29.5	402	R74	R-328
June	4,360	R3,194	R7,554	R539	20.3	R316	94	R-222
July	4,360	R3,327	R7,686	R394	R13.4	283	150	-133
August	4,360	R3,450	R7,810	R200	6.2	286	162	-124
September	4,360	R3,714	R8,073	R91	2.5	351	88	-262
October	4,362	R4,021	R8,383	R71	1.8	387	78	-308
Total	--	--	--	--	--	R2,319	R777	R-1,542
2017 Heating Season								
November	4,364	R3,985	R8,348	R50	1.3	178	213	35
December	4,371	R3,305	R7,675	R-370	-10.1	87	763	676
January	4,370	R2,631	R7,001	R-316	-10.7	101	776	675
February	4,369	R2,346	R6,715	R-197	R-7.7	131	416	285
March	4,370	2,072	6,442	-423	-16.9	168	442	275
Total	--	--	--	--	--	665	2,610	1,946

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

^R Revised data.

-- Not applicable.

Notes: Data for 2014 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. Alaska added to U.S. totals as of January 2013.

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

Table 10. Underground natural gas storage – salt cavern storage fields, 2012-2017
(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
2012 Total^b	--	--	--	--	--	465	445	-20
2013 Total^b	--	--	--	--	--	492	521	29
2014 Total^b	--	--	--	--	--	634	552	-82
2015								
January	179	260	439	117	82.2	24	105	81
February	179	135	314	40	42.6	15	140	125
March	178	147	325	79	115.5	58	46	-12
April	178	230	407	110	92.3	95	13	-82
May	180	292	472	113	63.3	82	17	-65
June	182	307	488	98	46.9	44	29	-15
July	182	305	487	79	35.0	37	38	1
August	182	309	491	80	35.0	36	32	-4
September	182	341	523	70	25.9	55	24	-31
October	182	384	566	53	16.1	67	24	-43
November	182	398	579	62	18.6	50	37	-13
December	182	395	577	55	16.0	44	46	2
Total	--	--	--	--	--	607	551	-56
2016								
January	181	320	501	60	23.2	29	105	76
February	181	303	485	168	124.4	42	58	16
March	182	331	513	184	125.2	67	39	-28
April	183	367	550	138	60.0	66	27	-38
May	183	377	560	84	28.9	46	36	-10
June	183	357	541	51	16.5	26	45	19
July	183	328	511	22	7.4	32	62	29
August	184	290	474	-19	-6.1	33	69	37
September	185	304	489	-37	-10.9	52	37	-14
October	185	392	577	8	2.1	115	26	-89
November	186	411	598	14	3.4	47	28	-20
December	186	357	544	-38	-9.6	38	92	53
Total	--	--	--	--	--	593	625	32
2017								
January	186	347	533	26	8.2	57	68	11
February	186	336	522	33	10.9	37	47	10
March	187	301	487	-30	-9.2	43	79	36
2017 3-Month YTD	--	--	--	--	--	138	194	57
2016 3-Month YTD	--	--	--	--	--	138	202	64
2015 3-Month YTD	--	--	--	--	--	97	292	195

^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 2012 through 2014 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. Alaska added to U.S. totals as of January 2013.

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

Table 11. Underground natural gas storage – storage fields other than salt caverns, 2012-2017
(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
2012 Total^b	--	--	--	--	--	2,360	2,373	12
2013 Total^b	--	--	--	--	--	2,664	3,181	517
2014 Total^b	--	--	--	--	--	3,205	3,034	-171
2015								
January	4,182	2,155	6,337	373	20.9	46	690	644
February	4,181	1,539	5,720	434	39.2	46	663	616
March	4,182	1,333	5,515	544	68.9	124	330	205
April	4,182	1,572	5,755	625	66.0	310	71	-239
May	4,183	2,004	6,187	635	46.4	460	28	-433
June	4,185	2,349	6,534	552	30.7	386	39	-346
July	4,190	2,627	6,818	454	20.9	342	58	-284
August	4,182	2,941	7,123	401	15.8	358	53	-305
September	4,183	3,281	7,465	365	12.5	380	39	-341
October	4,184	3,566	7,750	310	9.5	334	46	-288
November	4,186	3,537	7,724	446	14.4	151	177	26
December	4,181	3,280	7,461	479	17.1	94	356	262
Total	--	--	--	--	--	3,032	2,549	-482
2016								
January	4,180	R2,626	R6,806	R471	R21.9	37	689	652
February	4,180	R2,239	R6,419	R700	R45.5	69	456	387
March	4,170	2,164	6,334	831	62.3	149	R233	R85
April	4,172	2,286	6,459	714	45.4	229	103	-126
May	4,174	2,598	6,772	594	29.6	357	R39	R-318
June	4,176	R2,837	R7,013	R488	20.8	R291	49	R-241
July	4,176	R2,999	R7,175	R371	R14.1	251	88	-163
August	4,177	R3,159	R7,336	R219	R7.4	253	92	-160
September	4,175	R3,410	R7,584	R128	3.9	299	51	-248
October	4,177	R3,629	R7,806	R63	1.8	271	52	-220
November	4,177	R3,574	R7,751	R36	R1.0	131	185	55
December	4,185	R2,947	R7,132	R-332	-10.1	48	671	623
Total	--	--	--	--	--	R2,384	R2,709	R325
2017								
January	4,184	R2,284	R6,468	R-342	-13.0	44	707	664
February	4,183	R2,010	R6,193	R-230	-10.3	94	369	275
March	4,183	1,772	5,955	-392	-18.1	125	363	239
2017 3-Month YTD	--	--	--	--	--	262	1,440	1,178
2016 3-Month YTD	--	--	--	--	--	255	1,379	1,124
2015 3-Month YTD	--	--	--	--	--	217	1,682	1,465

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

^b Total as of December 31.

^R Revised data.

-- Not applicable.

Notes: Data for 2012 through 2014 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. Alaska added to U.S. totals as of January 2013.

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

Table 12. Net withdrawals from underground storage, by state, 2015-2017
(million cubic feet)

State	2017			2016		
	March	February	January	Total	December	November
Alabama	1,420	-1,005	-254	1,019	3,462	-2,161
Alaska ^a	1,572	1,409	2,213	-8,322	1,789	872
Arkansas	66	66	418	-1,688	739	-107
California	-17,257	4,304	50,405	39,603	43,736	1,937
Colorado	1,199	4,859	10,983	-4,606	11,693	-1,452
Illinois	35,264	42,917	59,371	5,282	53,639	623
Indiana	2,040	3,067	5,972	3,478	4,712	-1,533
Iowa	5,165	8,052	15,571	6,414	22,217	5,150
Kansas	5,246	2,192	18,823	8,377	21,467	876
Kentucky	5,772	7,787	16,622	9,205	16,756	51
Louisiana	23,900	11,892	22,369	39,572	42,587	-3,970
Maryland	3,170	2,048	3,915	2,916	2,604	893
Michigan	63,573	47,176	108,702	857,601	108,495	17,034
Minnesota	342	450	321	38	44	14
Mississippi	6,585	1,802	10,041	27,135	24,501	1,560
Missouri	100	-20	163	-156	365	-210
Montana	1,137	4,042	7,075	-7,364	8,305	2,401
Nebraska	-287	1,408	2,844	785	2,171	721
New Mexico	-2,779	1,321	4,466	669	4,345	-1,195
New York	17,047	12,369	20,857	19,233	20,132	4,697
Ohio	27,859	22,619	36,350	17,390	41,276	14,460
Oklahoma	-5,893	3,193	35,389	12,705	31,565	-5,705
Oregon	-2,364	606	4,500	1,381	5,032	406
Pennsylvania	70,898	54,306	82,560	76,435	70,114	10,492
Tennessee	-5	14	31	-66	71	-14
Texas	1,147	6,329	78,122	38,586	65,863	-17,919
Utah	-518	5,334	11,889	-1,208	12,286	-466
Virginia	689	685	180	189	212	-211
Washington	1,556	4,022	6,908	-2,216	3,465	448
West Virginia	27,754	29,885	49,846	22,486	44,091	10,717
Wyoming	234	1,737	8,000	-7,349	8,555	-3,105
Regions						
East Region	147,418	121,912	193,707	138,650	178,428	41,048
South Central Region	32,470	24,469	164,908	125,706	190,184	-27,426
Midwest Region	112,250	109,443	206,754	81,797	206,299	21,114
Mountain Region	-1,014	18,701	45,258	-19,074	47,355	-3,096
Pacific Region	-18,066	8,931	61,813	38,769	52,233	2,790
Total Lower 48 States	273,059	283,456	672,439	365,847	674,499	34,431
U.S. Total	274,631	284,865	674,653	357,525	676,287	35,302

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2015-2017
(million cubic feet) – continued

State	2016					
	October	September	August	July	June	May
Alabama	-5,368	-597	2,250	3,115	1,486	-1,536
Alaska ^a	139	-1,321	-1,997	-1,976	-1,468	-1,957
Arkansas	-152	-318	-564	-517	-724	-801
California	-8,590	-3,383	4,248	769	-7,766	-16,700
Colorado	-7,324	-5,111	-3,745	-4,892	-5,512	-5,498
Illinois	-37,807	-41,363	-33,535	-28,440	-32,072	-26,284
Indiana	-2,257	-2,199	-1,850	-1,850	-2,226	-2,905
Iowa	-18,715	-18,041	-14,078	-1,925	-2,856	-2,349
Kansas	-5,573	-8,157	-2,098	-7,378	-4,701	-13,272
Kentucky	-4,545	-4,548	-128	-2,707	-2,776	-8,262
Louisiana	-51,370	-11,031	18,506	16,049	-2,585	-11,540
Maryland	133	-150	-1,397	-1,133	-3,022	-1,671
Michigan	-27,683	-54,745	-36,754	-35,799	-52,688	-65,480
Minnesota	-104	-197	-228	-205	-174	-76
Mississippi	-24,918	-3,355	2,651	7,130	1,758	-6,684
Missouri	-405	-290	*	0	0	0
Montana	-782	-2,191	-3,465	-3,260	-4,908	-5,202
Nebraska	-1,221	-1,132	-90	-151	-16	-1,099
New Mexico	-1,530	75	167	659	-391	-1,615
New York	-7,006	-12,209	-3,017	-3,467	R-6,284	R-11,257
Ohio	-10,323	-22,602	-23,658	-25,774	-26,258	-21,537
Oklahoma	-11,783	-2,082	1,055	-3,398	-3,069	-15,348
Oregon	-1,086	-266	-16	-887	-511	R-2,228
Pennsylvania	-16,859	-43,300	-18,752	-21,094	-36,463	-32,012
Tennessee	-34	2	2	3	-38	-27
Texas	-50,646	112	21,278	18,530	7,624	-29,546
Utah	-1,542	-3,455	-2,871	-2,671	-4,887	-7,374
Virginia	-163	-185	-504	73	-46	-242
Washington	-109	-3,266	-2,091	-788	-1,834	-4,392
West Virginia	-7,057	-15,425	-22,388	-29,279	-25,941	-27,290
Wyoming	-3,717	-1,656	-769	-1,773	-3,980	-3,858
Regions						
East Region	-41,275	-93,871	-69,715	-80,674	R-98,014	R-94,008
South Central Region	-149,809	-25,428	43,079	33,529	-212	-78,727
Midwest Region	-91,550	-121,381	-86,571	-70,923	-92,831	-105,382
Mountain Region	-16,117	-13,469	-10,773	-12,088	-19,694	-24,646
Pacific Region	-9,785	-6,916	2,142	-906	-10,112	R-23,319
Total Lower 48 States	-308,536	-261,066	-121,839	-131,061	R-220,862	R-326,082
U.S. Total	-308,397	-262,387	-123,835	-133,038	R-222,330	R-328,039

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2015-2017

(million cubic feet) – continued

State	2016				2015	
	April	March	February	January	Total	December
Alabama	-3,383	-323	-713	4,787	-3,817	-249
Alaska ^a	-1,441	-451	-459	-50	782	140
Arkansas	-444	438	328	434	-1,046	-127
California	-17,261	-4,805	7,203	40,217	-2,698	44,087
Colorado	1,334	3,688	2,412	9,800	-5,930	9,420
Illinois	4,551	26,092	50,274	69,604	-10,603	45,715
Indiana	527	1,694	5,259	6,106	-4,411	1,569
Iowa	2,150	4,762	10,674	19,427	-4,955	16,556
Kansas	R-7,171	-4,070	11,913	26,541	-11,154	11,377
Kentucky	-16,117	2,150	9,656	19,675	-17,554	7,953
Louisiana	-20,296	-14,011	21,175	56,058	-88,237	8,860
Maryland	716	-342	2,294	3,991	-1,304	517
Michigan	-13,874	30,025	80,654	108,415	-87,722	30,889
Minnesota	7	515	127	315	-78	10
Mississippi	-6,394	-12,187	6,944	36,129	-27,879	-723
Missouri	0	119	-168	433	-586	28
Montana	-3,943	-770	2,057	4,394	-3,197	3,620
Nebraska	-630	-103	549	1,788	-786	979
New Mexico	-1,170	-1,658	1,413	1,568	-19,897	-616
New York	R-1,560	R2,483	R14,571	R22,150	-15,923	2,020
Ohio	-5,040	17,603	32,160	47,082	-33,025	19,441
Oklahoma	-9,402	-5,923	10,070	26,725	-32,397	8,250
Oregon	-1,027	-362	481	1,845	474	2,338
Pennsylvania	-5,601	20,011	62,426	87,473	-41,111	11,466
Tennessee	-17	-32	-6	25	-453	-54
Texas	-38,115	-19,445	24,128	56,721	-91,530	6,424
Utah	-814	-1,928	3,685	8,830	-8,073	6,185
Virginia	-508	135	17	1,612	-468	48
Washington	-2,918	1,935	5,854	1,480	4,545	2,710
West Virginia	-14,238	11,571	35,666	62,059	-28,151	23,857
Wyoming	-2,386	-139	2,448	3,031	-1,237	1,646
Regions						
East Region	R-26,232	R51,461	R147,134	R224,367	-119,981	57,349
South Central Region	R-85,205	-55,521	73,846	207,396	-256,060	33,813
Midwest Region	-22,774	65,327	156,470	224,000	-126,362	102,665
Mountain Region	-7,610	-910	12,562	29,411	-39,121	21,235
Pacific Region	-21,206	-3,232	13,538	43,542	2,322	49,135
Total Lower 48 States	R-163,027	R57,125	R403,550	R728,716	-539,203	264,197
U.S. Total	R-164,468	R56,674	R403,091	R728,666	-538,421	264,337

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2015-2017
(million cubic feet) – continued

State	2015					
	November	October	September	August	July	June
Alabama	-1,217	-415	-2,416	1,057	-971	-734
Alaska ^a	197	-52	92	-108	-171	-78
Arkansas	-283	-212	-141	-403	-437	-357
California	5,699	-18,709	-6,577	1,758	-8,522	-10,336
Colorado	1,802	-4,141	-5,250	-5,181	-5,048	-6,817
Illinois	-1,164	-36,756	-37,238	-34,172	-32,685	-29,520
Indiana	-1,236	-2,047	-3,878	-3,494	-2,687	-2,942
Iowa	4,637	-14,124	-16,136	-13,614	-2,563	-6,962
Kansas	7,836	-5,912	-14,045	-9,249	-16,737	-11,868
Kentucky	-1,730	-9,465	-7,783	-6,294	-5,729	-5,537
Louisiana	-15,244	-40,257	-33,722	-20,717	-17,892	-16,431
Maryland	490	-262	-372	-2,786	-2,440	-2,577
Michigan	3,499	-60,050	-75,170	-81,284	-74,938	-82,493
Minnesota	-149	-262	-219	-202	-176	-37
Mississippi	-4,892	-14,206	-16,234	-4,313	-1,700	-11,013
Missouri	-212	-268	-581	0	0	*
Montana	2,456	-1,050	-2,101	-3,445	-3,385	-3,128
Nebraska	212	-1,193	-1,296	-965	-77	-1,343
New Mexico	-2,132	-2,258	-1,275	-1,429	-1,726	-1,306
New York	7	-6,129	-8,376	-8,289	-9,553	-15,297
Ohio	7,717	-11,308	-22,886	-27,651	-25,160	-26,651
Oklahoma	3,951	-13,483	-8,189	-6,183	-8,740	-17,758
Oregon	1,139	-1,330	-1,482	-685	2	-374
Pennsylvania	-6,135	-31,589	-38,785	-35,179	-24,593	-51,105
Tennessee	-102	-93	-64	-59	-60	-49
Texas	-2,086	-41,913	-35,276	-6,397	-1,462	-23,854
Utah	3,131	-1,402	-4,323	-3,183	-5,792	-5,110
Virginia	-270	-545	-623	-508	-87	-509
Washington	3,788	-792	-2,976	-4,747	278	122
West Virginia	2,855	-9,191	-22,829	-30,326	-28,865	-25,786
Wyoming	-255	-1,419	-1,866	-1,115	-1,186	-1,715
Regions						
East Region	4,664	-59,024	-93,873	-104,740	-90,699	-121,926
South Central Region	-11,936	-116,399	-110,024	-46,205	-47,939	-82,015
Midwest Region	3,543	-123,064	-141,069	-139,118	-118,838	-127,539
Mountain Region	5,213	-11,462	-16,112	-15,317	-17,214	-19,419
Pacific Region	10,625	-20,831	-11,035	-3,674	-8,243	-10,588
Total Lower 48 States	12,109	-330,780	-372,112	-309,054	-282,933	-361,486
U.S. Total	12,306	-330,832	-372,021	-309,162	-283,104	-361,564

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2015-2017

(million cubic feet) – continued

State	2015				
	May	April	March	February	January
Alabama	-5,684	-6,159	-243	8,440	4,774
Alaska ^a	-71	219	235	185	194
Arkansas	-411	91	234	567	431
California	-25,451	-16,467	-4,345	-2,750	38,916
Colorado	-5,045	1,888	920	5,579	5,942
Illinois	-28,714	1,105	21,193	58,104	63,529
Indiana	-2,903	-294	2,709	5,238	5,552
Iowa	-5,355	541	6,384	11,129	14,550
Kansas	-13,935	-2,777	-721	26,416	18,461
Kentucky	-9,947	-14,941	2,284	20,181	13,454
Louisiana	-36,612	-45,037	-1,990	73,436	57,369
Maryland	-2,522	-254	970	4,876	3,057
Michigan	-82,150	-42,975	61,590	176,480	138,879
Minnesota	6	6	351	255	337
Mississippi	-21,243	-30,471	371	40,415	36,131
Missouri	0	0	-976	1,273	151
Montana	-2,545	-1,350	-172	3,314	4,588
Nebraska	-1,121	-417	669	1,778	1,989
New Mexico	-2,874	-2,771	-2,404	-1,237	131
New York	-12,852	-4,764	12,169	17,191	17,951
Ohio	-31,413	-14,797	19,170	37,546	42,969
Oklahoma	-30,908	-22,563	1,625	31,015	30,588
Oregon	-2,416	116	-732	688	3,212
Pennsylvania	-62,659	-27,319	48,329	92,652	83,807
Tennessee	-53	-48	-10	96	42
Texas	-64,583	-68,034	4,146	75,241	66,265
Utah	-6,367	-512	-197	3,249	6,246
Virginia	-600	793	-1,256	1,821	1,268
Washington	-4,285	-1,199	2,520	4,712	4,416
West Virginia	-33,369	-23,204	19,424	41,243	58,043
Wyoming	-1,151	308	1,217	2,397	1,901
Regions					
East Region	-143,415	-69,546	98,805	195,328	207,094
South Central Region	-173,376	-174,950	3,421	255,529	214,020
Midwest Region	-129,116	-56,605	93,527	272,757	236,494
Mountain Region	-19,103	-2,853	34	15,081	20,797
Pacific Region	-32,152	-17,550	-2,557	2,649	46,544
Total Lower 48 States	-497,162	-321,505	193,230	741,344	724,949
U.S. Total	-497,234	-321,286	193,465	741,529	725,144

^a Alaska data are not included in the regions' totals or the lower 48 states total.^R Revised data.^{*} Volume is less than 500,000 cubic feet.

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; in November 2015, region breakouts were revised from three regions to five. See Explanatory Note 5 in Appendix A for a list of the new regions shown in this table and the states included in each.

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

Table 13. Activities of underground natural gas storage operators, by state, March 2017
(volumes in million cubic feet)

State	Field Count	Total Storage Capacity	Working Gas Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
				Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	2	43,600	33,150	10,450	22,756	33,206	1,764	8.4	1,178	2,598
Alaska ^a	5	83,592	67,915	14,197	27,409	41,606	2,168	8.6	292	1,864
Arkansas	2	21,853	12,178	12,880	1,774	14,654	1,155	186.6	377	443
California	14	602,008	371,436	230,605	201,448	432,053	-43,825	-17.9	23,325	6,067
Colorado	10	130,186	63,774	58,572	28,442	87,014	3,509	14.1	5,943	7,143
Illinois	28	1,004,710	303,613	703,684	65,553	769,237	1,691	2.6	2,698	37,962
Indiana	21	111,721	33,674	77,198	12,493	89,691	-1,092	-8.0	293	2,333
Iowa	4	288,210	90,313	197,897	22,869	220,765	-339	-1.5	*	5,165
Kansas	16	282,986	122,982	164,104	60,901	225,005	-282	-0.5	5,506	10,752
Kentucky	23	221,723	107,572	112,936	57,956	170,892	-7,933	-12.0	3,756	9,528
Louisiana	19	743,373	453,502	279,742	280,913	560,656	-38,733	-12.1	31,295	55,195
Maryland	1	64,000	18,300	45,677	3,346	49,024	-6,106	-64.6	622	3,792
Michigan	44	1,071,608	685,709	386,921	310,454	697,375	-58,093	-15.8	4,003	67,575
Minnesota	1	7,000	2,000	4,848	973	5,821	-194	-16.6	0	342
Mississippi	12	334,654	204,713	115,643	123,824	239,467	-14,395	-10.4	12,960	19,545
Missouri	1	13,845	6,000	7,845	6,147	13,992	84	1.4	316	416
Montana	4	376,225	197,477	178,494	14,950	193,444	741	5.2	878	2,015
Nebraska	1	34,850	12,653	22,197	5,585	27,782	-2,607	-31.8	613	326
New Mexico	2	89,100	59,738	29,362	41,895	71,258	-2,354	-5.3	2,876	97
New York	26	245,779	126,871	114,206	38,928	153,133	-29,866	-43.4	224	17,271
Ohio	24	575,794	230,840	342,918	61,538	404,456	-7,081	-10.3	761	28,621
Oklahoma	13	376,528	196,675	179,696	120,844	300,540	-13,118	-9.8	13,210	7,317
Oregon	7	29,565	15,935	11,186	10,500	21,686	-2,208	-17.4	2,376	12
Pennsylvania	49	760,619	426,361	336,093	98,921	435,014	-113,544	-53.4	6,481	77,379
Tennessee	2	2,400	1,800	878	1,176	2,054	2	0.1	21	16
Texas	36	854,759	550,137	298,152	336,962	635,115	-68,417	-16.9	35,803	36,951
Utah	3	124,509	54,942	69,508	23,531	93,039	-4,909	-17.3	2,889	2,371
Virginia	2	9,500	5,400	4,100	3,460	7,560	22	0.6	1,069	1,758
Washington	1	46,900	24,600	22,300	6,810	29,110	-1,001	-12.8	1,427	2,983
West Virginia	31	530,837	261,337	269,826	52,710	322,536	-20,983	-28.5	3,283	31,037
Wyoming	9	157,744	73,705	67,512	27,250	94,762	3,217	13.4	3,271	3,505
Regions										
East Region	133	2,186,529	1,069,109	1,112,820	258,902	1,371,723	-177,559	-40.7	12,442	159,859
South Central Region	100	2,657,753	1,573,337	1,060,668	947,975	2,008,643	-132,025	-12.2	100,330	132,800
Midwest Region	124	2,721,215	1,230,680	1,492,206	477,621	1,969,827	-65,874	-12.1	11,088	123,338
Mountain Region	29	912,614	462,289	425,645	141,654	567,299	-2,403	-1.7	16,471	15,457
Pacific Region	22	678,473	411,971	264,091	218,758	482,849	-47,034	-17.7	27,128	9,062
Total Lower 48 States	408	9,156,585	4,747,387	4,355,430	2,044,911	6,400,340	-424,895	-17.2	167,457	440,517
U.S. Total	413	9,240,177	4,815,302	4,369,627	2,072,320	6,441,946	-422,726	-16.9	167,750	442,381

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

* Volume is less than 500,000 cubic feet.

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; in November 2015, region breakouts were revised from three regions to five. See Explanatory Note 5 in Appendix A for a list of the new regions shown in this table and the states included in each. Beginning with January 2013 data, Form EIA-191A is no longer used as a source for capacity data. Capacity data are now collected from the Form EIA-191. Change in Working Gas from Same Period, Previous Year, includes data for Alaska which had no working gas recorded for periods prior to January 2013. As of January 2015, the Kimball and Columbus III reservoirs in Michigan are being reported under the Bluewater Gas Storage Field on a combined basis. In prior periods, they were reported separately.

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

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017
(million cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016 Total
				March	February	January	
Alabama	11,453	15,777	20,476	3,238	3,289	4,925	28,980
Alaska	8,382	6,312	7,129	2,667	2,523	3,191	17,781
Arizona	NA	17,465	14,910	3,714	NA	6,674	34,815
Arkansas	11,338	13,238	20,611	2,771	3,179	5,388	26,132
California	NA	152,443	133,258	40,350	53,637	NA	409,429
Colorado	50,031	54,075	50,910	12,021	14,910	23,100	122,273
Connecticut	24,007	22,093	29,063	7,982	7,326	8,700	47,856
Delaware	4,991	5,097	7,275	1,674	1,384	1,933	10,020
District of Columbia	NA	5,916	8,098	1,621	NA	NA	11,487
Florida	5,256	6,928	6,266	1,604	1,724	1,928	15,794
Georgia	43,564	56,000	65,131	12,905	12,462	18,196	117,092
Hawaii	162	148	163	52	52	58	571
Idaho	12,530	10,238	9,250	2,630	3,773	6,127	24,561
Illinois	171,723	182,031	222,372	52,121	47,520	72,082	384,290
Indiana	56,023	60,092	77,512	17,164	15,357	23,502	125,716
Iowa	28,362	29,985	34,590	8,177	8,502	11,684	60,664
Kansas	24,946	27,452	31,202	6,245	7,008	11,693	56,121
Kentucky	19,588	24,288	30,667	5,670	5,619	8,298	46,286
Louisiana	11,193	15,899	20,018	2,845	3,153	5,195	33,472
Maine	1,295	1,192	1,458	431	408	457	2,625
Maryland	NA	38,117	50,629	10,988	10,924	NA	75,743
Massachusetts	56,757	52,872	73,298	20,438	16,656	19,663	115,739
Michigan	136,733	139,119	175,160	44,047	39,390	53,296	301,407
Minnesota	57,217	56,969	62,261	16,843	16,691	23,684	119,491
Mississippi	7,908	10,195	13,766	2,216	2,173	3,519	NA
Missouri	41,174	46,150	56,239	10,510	11,344	19,320	92,157
Montana	9,546	7,736	7,847	2,262	3,017	4,268	19,815
Nebraska	16,362	15,840	18,404	4,245	5,128	6,989	32,644
Nevada	18,960	17,357	14,717	4,336	6,167	8,457	38,271
New Hampshire	3,565	3,302	4,553	1,235	1,042	1,288	7,084
New Jersey	105,394	103,361	138,850	34,249	31,185	39,961	219,410
New Mexico	13,379	15,079	14,685	3,001	4,251	6,126	32,662
New York	202,990	191,705	254,835	68,611	60,832	73,548	419,700
North Carolina	27,095	34,504	40,214	8,121	7,080	11,894	65,037
North Dakota	5,193	4,585	5,339	1,480	1,581	2,133	10,155
Ohio	116,056	125,512	167,726	36,946	32,795	46,315	256,158
Oklahoma	22,245	24,931	32,958	4,598	6,247	11,400	51,819
Oregon	21,930	16,570	13,981	5,365	6,649	9,915	40,712
Pennsylvania	106,515	108,033	138,205	34,347	31,514	40,654	223,477
Rhode Island	8,886	8,279	11,661	3,224	2,609	3,054	17,700
South Carolina	11,139	14,905	17,178	3,318	2,976	4,844	27,754
South Dakota	5,544	5,417	5,877	1,585	1,477	2,482	11,787
Tennessee	26,365	33,982	43,740	7,163	7,505	11,697	62,836
Texas	NA	87,985	125,021	15,962	22,929	NA	175,286
Utah	26,578	27,620	21,736	5,592	7,281	13,705	63,797
Vermont	1,668	1,497	2,096	582	518	568	3,396
Virginia	NA	39,693	53,788	10,989	10,147	NA	75,724
Washington	39,370	31,027	27,102	10,334	12,341	16,695	76,179
West Virginia	10,622	12,241	15,324	3,467	3,098	4,057	23,559
Wisconsin	59,112	58,749	69,420	18,555	17,155	23,402	124,213
Wyoming	5,840	4,671	4,601	1,553	1,868	2,420	11,675
Total	2,000,619	2,044,671	2,471,569	582,044	583,774	834,801	4,391,480

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017
(million cubic feet) – continued

State	2016						
	December	November	October	September	August	July	June
Alabama	4,979	1,826	893	633	659	689	849
Alaska	2,970	2,314	1,711	828	534	479	534
Arizona	4,941	2,295	1,421	1,134	1,021	1,072	1,314
Arkansas	5,723	1,761	706	587	529	564	665
California	66,085	37,269	22,105	19,803	18,507	19,421	21,129
Colorado	22,187	11,580	5,970	3,231	2,751	2,597	2,956
Connecticut	8,119	4,606	2,050	1,000	933	1,075	1,365
Delaware	1,775	824	292	171	160	171	231
District of Columbia	2,014	964	345	207	216	246	287
Florida	1,639	1,118	847	750	705	723	824
Georgia	19,653	10,235	4,850	3,821	3,854	3,670	3,801
Hawaii	52	47	45	49	45	45	45
Idaho	5,819	2,626	1,437	681	492	518	580
Illinois	76,626	32,672	14,594	7,759	7,419	7,782	9,472
Indiana	26,456	11,533	4,363	2,382	2,240	2,063	2,265
Iowa	12,573	4,563	1,996	1,317	1,042	1,167	1,173
Kansas	12,424	4,929	1,598	1,182	1,030	1,118	1,426
Kentucky	9,482	3,929	1,305	778	780	725	817
Louisiana	5,143	2,119	1,480	1,303	1,330	1,270	1,321
Maine	451	231	134	58	44	52	63
Maryland	13,462	6,773	2,638	1,421	1,339	1,479	1,778
Massachusetts	19,827	10,970	5,604	2,520	2,356	2,519	2,893
Michigan	55,042	28,104	15,258	6,808	5,012	5,559	6,159
Minnesota	22,005	10,006	5,645	2,641	2,537	2,343	2,991
Mississippi	3,772	1,348	624	571	553	567	NA
Missouri	21,067	7,285	2,607	1,663	1,739	1,763	1,942
Montana	4,120	2,195	1,434	655	420	415	534
Nebraska	6,839	2,344	1,019	698	657	704	894
Nevada	6,637	2,832	1,772	1,359	1,183	1,243	1,486
New Hampshire	1,289	723	239	158	133	134	173
New Jersey	37,077	19,022	9,042	4,785	4,501	5,901	6,524
New Mexico	5,918	3,074	1,217	937	776	841	1,087
New York	67,377	38,700	18,644	9,617	9,441	10,979	13,039
North Carolina	13,017	6,352	1,732	1,096	1,054	1,055	1,231
North Dakota	2,160	875	635	220	177	164	183
Ohio	46,063	23,488	10,407	4,734	4,832	4,251	4,876
Oklahoma	11,843	3,903	1,774	1,334	1,214	1,160	1,409
Oregon	8,999	4,096	2,827	1,226	890	1,005	1,173
Pennsylvania	39,761	21,335	9,168	4,331	4,094	4,264	5,242
Rhode Island	3,153	1,804	932	370	242	276	335
South Carolina	5,410	2,633	733	504	487	450	502
South Dakota	2,541	908	526	242	212	198	232
Tennessee	13,220	4,681	1,503	1,088	974	1,070	1,234
Texas	29,021	9,101	6,502	5,346	5,374	5,948	7,068
Utah	13,113	6,350	2,973	1,778	1,363	1,710	1,460
Vermont	534	313	143	84	74	89	109
Virginia	11,855	6,535	2,887	1,452	1,346	1,403	2,054
Washington	15,993	7,828	5,538	2,548	1,779	1,853	2,296
West Virginia	4,146	2,299	896	366	326	367	375
Wisconsin	24,126	10,265	5,535	2,379	2,103	2,338	2,581
Wyoming	2,366	1,109	707	343	253	228	290
Total	800,860	384,690	189,302	110,946	101,730	107,722	124,007

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	997	1,678	2,811	5,627	7,340	32,709	3,492
Alaska	864	1,233	1,886	2,068	2,359	18,574	2,683
Arizona	1,750	2,402	3,064	5,763	8,638	34,507	6,665
Arkansas	902	1,457	2,654	4,770	5,813	32,998	4,259
California	24,628	28,039	39,564	43,489	69,390	401,172	73,056
Colorado	6,531	10,396	14,346	17,334	22,396	122,364	22,545
Connecticut	2,385	4,229	5,562	7,947	8,584	50,975	4,749
Delaware	475	823	1,135	1,879	2,084	11,260	1,049
District of Columbia	501	791	1,107	2,285	2,524	13,494	1,456
Florida	1,000	1,262	1,749	2,408	2,772	15,044	1,425
Georgia	4,678	6,530	9,664	19,992	26,344	118,025	11,963
Hawaii	44	51	49	47	52	572	47
Idaho	881	1,290	2,532	3,241	4,466	23,482	4,842
Illinois	15,751	30,185	41,109	62,368	78,554	400,876	50,976
Indiana	4,827	9,496	11,848	21,727	26,516	133,045	16,792
Iowa	2,228	4,620	6,723	10,123	13,139	62,739	9,058
Kansas	2,331	2,631	5,285	8,935	13,233	57,408	8,784
Kentucky	1,509	2,673	4,737	8,694	10,856	49,426	5,853
Louisiana	1,579	2,028	2,782	5,204	7,912	36,046	3,679
Maine	143	258	342	401	450	2,700	315
Maryland	3,331	5,405	7,528	13,550	17,039	82,858	8,376
Massachusetts	5,800	10,379	14,183	18,657	20,032	126,662	12,658
Michigan	12,489	27,859	33,905	48,755	56,459	312,098	35,475
Minnesota	4,321	10,032	12,742	20,031	24,196	117,586	17,835
Mississippi	815	NA	1,730	3,307	5,159	23,248	2,448
Missouri	2,934	5,008	8,781	15,238	22,130	95,503	12,940
Montana	969	1,336	2,084	2,377	3,276	18,796	3,263
Nebraska	1,354	2,295	3,457	5,397	6,986	34,663	5,620
Nevada	1,952	2,449	3,452	5,542	8,364	37,029	7,344
New Hampshire	307	626	831	1,136	1,334	7,842	884
New Jersey	10,990	18,208	24,355	35,568	43,438	237,104	22,176
New Mexico	1,549	2,184	3,349	4,976	6,754	33,130	6,207
New York	22,528	37,670	48,649	67,663	75,393	452,148	44,300
North Carolina	1,670	3,327	5,172	13,015	16,316	64,523	6,836
North Dakota	378	778	1,086	1,524	1,975	10,552	1,698
Ohio	10,529	21,466	26,937	44,213	54,362	285,306	30,726
Oklahoma	1,811	2,441	4,745	7,832	12,354	59,387	9,335
Oregon	1,648	2,280	4,595	4,943	7,032	37,257	6,962
Pennsylvania	9,866	17,384	23,082	38,618	46,333	235,635	24,488
Rhode Island	767	1,541	1,991	2,872	3,416	20,042	1,952
South Carolina	723	1,408	2,293	5,713	6,899	27,417	3,019
South Dakota	529	983	1,317	1,785	2,314	11,751	2,016
Tennessee	1,772	3,312	5,827	12,089	16,067	67,301	7,707
Texas	7,366	11,575	16,582	30,037	41,366	211,370	28,032
Utah	2,988	4,442	6,215	9,011	12,393	58,562	12,346
Vermont	196	357	380	541	576	3,833	402
Virginia	3,072	5,427	8,183	14,331	17,179	85,464	8,151
Washington	3,165	4,151	8,883	9,250	12,895	71,952	12,477
West Virginia	735	1,808	2,668	4,221	5,352	24,807	2,449
Wisconsin	5,006	11,130	14,251	19,744	24,754	126,854	16,449
Wyoming	754	953	1,270	1,490	1,912	11,576	2,277
Total	196,321	331,232	459,468	697,728	887,474	4,609,670	590,535

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017
(million cubic feet) – continued

State	2015						
	November	October	September	August	July	June	May
Alabama	2,079	956	710	705	720	765	1,111
Alaska	2,317	1,429	1,040	531	499	589	883
Arizona	3,133	1,345	1,080	978	1,065	1,320	1,820
Arkansas	2,357	794	585	556	598	666	941
California	44,392	19,235	17,032	17,399	18,932	20,889	27,358
Colorado	16,187	5,800	2,924	2,403	2,633	3,115	7,343
Connecticut	3,846	2,101	948	970	1,089	1,330	2,112
Delaware	772	406	168	178	175	194	289
District of Columbia	994	567	276	262	264	256	456
Florida	1,204	1,070	626	628	824	859	924
Georgia	10,264	5,883	3,800	3,751	3,663	3,679	4,354
Hawaii	44	44	41	43	45	46	46
Idaho	3,704	1,017	652	367	494	521	900
Illinois	36,127	18,138	8,118	7,790	7,959	9,419	13,194
Indiana	11,707	5,768	2,419	2,008	2,172	2,309	3,713
Iowa	5,499	2,408	1,280	1,052	1,189	1,394	2,157
Kansas	5,493	2,143	1,569	1,418	1,132	1,357	1,823
Kentucky	4,167	1,640	885	889	899	900	1,217
Louisiana	2,331	1,503	1,326	1,178	1,266	1,260	1,642
Maine	246	145	48	48	49	71	95
Maryland	6,235	3,881	1,542	1,580	1,657	1,783	2,200
Massachusetts	9,466	5,833	2,486	2,463	2,641	3,330	4,364
Michigan	28,390	16,422	6,006	5,872	5,572	6,616	10,476
Minnesota	10,603	5,140	2,331	2,553	2,292	2,435	3,958
Mississippi	1,833	833	728	589	620	652	718
Missouri	7,731	3,096	1,646	1,729	1,595	1,807	2,514
Montana	2,636	1,042	494	379	382	401	903
Nebraska	2,921	1,081	683	695	809	971	1,343
Nevada	4,218	1,449	1,228	1,189	1,120	1,497	1,901
New Hampshire	680	251	153	146	151	186	244
New Jersey	16,145	8,928	4,507	4,589	5,481	6,160	8,995
New Mexico	3,759	1,247	829	840	808	1,262	1,572
New York	33,879	20,673	10,201	10,144	10,330	13,068	18,250
North Carolina	6,169	2,737	1,092	1,214	1,016	1,123	1,308
North Dakota	1,060	509	199	209	168	205	447
Ohio	22,078	12,188	4,677	4,717	5,012	6,095	9,819
Oklahoma	5,700	1,814	1,240	1,227	1,204	1,327	1,936
Oregon	5,748	1,772	1,195	825	844	968	1,703
Pennsylvania	18,219	11,556	4,796	4,062	4,148	5,380	7,625
Rhode Island	1,632	1,063	391	404	437	498	577
South Carolina	2,374	1,032	549	513	502	496	687
South Dakota	1,174	478	228	219	190	278	508
Tennessee	4,810	1,967	1,155	995	1,033	1,201	1,606
Texas	11,027	6,334	5,401	4,874	6,479	6,360	6,857
Utah	8,345	2,015	1,329	1,555	1,634	1,958	3,129
Vermont	294	168	81	74	89	107	156
Virginia	6,455	3,540	1,903	1,475	1,526	1,649	2,226
Washington	11,223	4,202	2,615	1,638	1,701	1,916	3,105
West Virginia	2,120	1,235	385	337	243	416	668
Wisconsin	11,077	6,091	2,502	2,310	2,478	2,481	4,550
Wyoming	1,489	437	300	199	244	410	731
Total	406,355	201,405	108,401	102,770	108,073	123,975	177,453

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017
(million cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	1,694	3,858	8,542	8,077
Alaska	1,473	2,174	2,212	2,743
Arizona	2,191	3,200	4,275	7,435
Arkansas	1,631	4,838	7,706	8,067
California	29,622	32,140	40,902	60,216
Colorado	8,503	12,871	16,449	21,591
Connecticut	4,766	8,749	10,279	10,035
Delaware	754	2,076	2,533	2,665
District of Columbia	866	2,046	2,886	3,166
Florida	1,217	1,364	2,443	2,459
Georgia	5,538	12,196	26,722	26,213
Hawaii	54	51	52	60
Idaho	1,736	2,203	2,701	4,346
Illinois	26,783	54,278	85,540	82,554
Indiana	8,643	18,560	29,649	29,303
Iowa	4,112	7,953	13,543	13,094
Kansas	2,487	7,202	11,373	12,628
Kentucky	2,309	7,078	12,025	11,564
Louisiana	1,842	4,242	7,405	8,372
Maine	224	404	529	526
Maryland	4,975	12,967	19,141	18,521
Massachusetts	10,124	20,986	26,240	26,072
Michigan	22,109	42,465	68,402	64,293
Minnesota	8,177	15,010	23,783	23,468
Mississippi	1,060	3,058	4,909	5,799
Missouri	6,206	15,779	20,729	19,731
Montana	1,448	1,947	2,604	3,296
Nebraska	2,137	4,219	6,971	7,214
Nevada	2,366	3,384	4,287	7,046
New Hampshire	596	1,197	1,665	1,691
New Jersey	21,273	41,241	50,550	47,059
New Mexico	1,919	3,422	5,014	6,249
New York	36,469	74,728	91,104	89,003
North Carolina	2,814	7,387	17,363	15,464
North Dakota	720	1,277	2,055	2,006
Ohio	22,267	47,720	61,207	58,799
Oklahoma	2,647	6,954	12,791	13,212
Oregon	3,258	3,543	4,187	6,251
Pennsylvania	17,156	37,960	51,850	48,396
Rhode Island	1,426	3,296	4,154	4,211
South Carolina	1,066	3,183	7,065	6,930
South Dakota	783	1,358	2,162	2,357
Tennessee	3,087	9,120	18,019	16,601
Texas	10,986	34,512	36,889	53,619
Utah	4,515	5,112	6,449	10,176
Vermont	367	610	760	725
Virginia	4,750	13,596	20,861	19,331
Washington	5,975	7,229	8,084	11,788
West Virginia	1,631	4,563	5,640	5,121
Wisconsin	9,496	16,213	27,502	25,705
Wyoming	888	1,177	1,457	1,966
Total	319,134	632,699	901,656	937,215

^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: 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, 2015-2017
(million cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016 Total
				March	February	January	
Alabama	7,511	9,544	11,264	2,332	2,130	3,049	23,711
Alaska	6,822	5,526	6,732	2,229	2,053	2,540	15,948
Arizona	10,380	10,611	9,847	2,951	3,414	4,015	30,725
Arkansas	15,148	15,891	19,735	4,374	4,501	6,273	45,267
California	71,651	68,272	63,511	19,777	22,196	29,678	235,267
Colorado	21,049	22,710	21,466	5,262	6,262	9,526	54,176
Connecticut	21,248	19,669	23,853	7,156	6,449	7,643	51,828
Delaware	5,059	4,774	5,633	1,685	1,497	1,877	12,832
District of Columbia	5,082	6,197	7,875	1,695	1,512	1,875	15,410
Florida	17,096	17,974	18,536	5,684	5,299	6,113	61,039
Georgia	17,933	22,882	25,786	5,435	5,207	7,290	51,896
Hawaii	522	472	501	173	164	185	1,926
Idaho	7,915	6,564	5,935	1,738	2,454	3,722	17,316
Illinois	85,762	87,911	105,710	25,916	24,483	35,362	209,624
Indiana	30,347	31,900	40,724	9,273	8,358	12,716	74,325
Iowa	20,105	20,755	23,578	5,900	6,107	8,099	48,628
Kansas	11,664	12,596	13,344	3,110	3,252	5,302	NA
Kentucky	13,192	15,512	19,181	3,915	3,848	5,429	34,104
Louisiana	8,480	9,742	10,420	2,718	2,436	3,326	30,340
Maine	3,828	3,613	4,745	1,310	1,184	1,334	NA
Maryland	26,836	27,322	33,295	9,098	7,919	9,819	69,765
Massachusetts	41,801	38,539	51,004	14,836	12,447	14,517	99,142
Michigan	70,010	69,977	86,269	22,291	21,159	26,560	161,569
Minnesota	42,533	41,522	45,769	12,420	13,013	17,100	93,812
Mississippi	5,886	6,870	8,474	1,786	1,713	2,387	18,341
Missouri	NA	25,467	30,710	6,388	NA	10,356	59,444
Montana	9,660	7,950	7,843	2,491	3,046	4,122	21,711
Nebraska	12,145	11,294	13,043	3,301	3,989	4,856	26,475
Nevada	11,041	10,478	9,361	3,061	3,493	4,488	30,730
New Hampshire	4,248	3,895	5,385	1,509	1,222	1,517	8,766
New Jersey	NA	59,482	79,131	21,049	18,731	NA	157,393
New Mexico	8,362	9,231	8,992	1,952	2,471	3,939	25,745
New York	120,875	116,486	144,361	41,604	36,941	42,331	310,064
North Carolina	18,769	22,665	24,657	6,129	5,111	7,530	56,592
North Dakota	5,732	5,023	5,983	1,667	1,725	2,339	12,023
Ohio	64,057	68,443	90,221	20,490	18,409	25,158	152,943
Oklahoma	15,057	15,956	20,035	3,537	4,423	7,097	38,626
Oregon	13,877	10,486	8,956	3,473	4,268	6,136	27,828
Pennsylvania	63,225	63,640	78,810	20,680	19,185	23,360	148,756
Rhode Island	5,348	5,034	6,888	1,932	1,529	1,887	10,869
South Carolina	7,439	8,831	9,352	2,505	2,125	2,810	24,191
South Dakota	4,539	4,396	4,790	1,321	1,242	1,975	10,510
Tennessee	17,983	22,204	26,342	5,373	5,281	7,329	52,082
Texas	NA	57,615	70,235	14,777	NA	NA	NA
Utah	15,399	16,172	12,602	3,331	4,490	7,579	38,760
Vermont	2,290	2,130	2,374	782	685	822	NA
Virginia	NA	27,107	33,437	7,851	7,147	NA	67,071
Washington	23,199	18,666	16,913	6,357	7,402	9,440	51,139
West Virginia	8,035	9,015	10,544	2,647	2,438	2,950	22,390
Wisconsin	37,282	37,368	45,231	11,180	10,810	15,292	87,802
Wyoming	6,070	4,883	4,713	1,718	1,922	2,431	12,641
Total	1,209,608	1,221,262	1,434,098	370,169	361,277	478,163	3,125,257

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2015-2017

(million cubic feet) – continued

State							2016
	December	November	October	September	August	July	June
Alabama	3,336	2,290	1,515	1,036	1,053	1,015	1,180
Alaska	2,277	1,985	1,403	864	642	566	664
Arizona	3,630	2,643	1,985	1,792	1,759	1,771	1,910
Arkansas	6,208	4,004	3,056	2,639	2,571	2,433	2,529
California	28,663	22,150	17,177	16,573	17,531	15,553	15,889
Colorado	9,058	5,136	2,751	1,815	1,503	1,647	1,838
Connecticut	7,325	4,997	3,279	2,543	2,541	2,521	2,175
Delaware	1,939	1,309	898	620	588	540	535
District of Columbia	2,129	1,536	875	657	681	670	623
Florida	5,757	5,137	4,604	4,452	4,189	4,538	4,450
Georgia	7,729	4,656	2,608	2,113	2,083	2,045	2,078
Hawaii	170	165	162	171	163	155	154
Idaho	3,221	1,632	1,245	798	701	657	653
Illinois	34,525	17,156	12,531	8,174	7,896	7,882	7,251
Indiana	13,461	6,439	4,377	2,748	2,515	2,116	2,215
Iowa	8,277	4,136	2,937	1,790	1,806	1,738	1,586
Kansas	5,369	2,432	1,786	1,402	1,429	1,371	1,476
Kentucky	6,038	3,045	1,720	1,187	1,137	1,069	1,023
Louisiana	3,542	2,572	2,192	1,964	2,071	1,882	1,909
Maine	1,305	776	526	NA	279	294	324
Maryland	9,973	6,787	4,106	3,179	2,896	2,823	3,188
Massachusetts	14,636	9,770	6,940	4,187	3,980	3,715	3,621
Michigan	25,089	13,434	8,386	5,464	5,284	5,093	5,515
Minnesota	14,977	8,140	5,463	2,987	2,877	2,709	3,116
Mississippi	2,400	1,632	1,111	1,001	985	930	1,173
Missouri	10,500	5,711	3,079	2,067	2,211	2,128	2,122
Montana	4,021	2,279	1,585	951	756	745	778
Nebraska	4,802	2,296	1,236	937	913	942	1,029
Nevada	3,952	2,606	2,126	1,813	1,701	1,748	1,760
New Hampshire	1,530	918	376	241	209	206	255
New Jersey	24,251	12,040	8,115	7,542	8,440	8,390	8,184
New Mexico	4,108	3,440	1,583	1,208	1,086	1,041	1,152
New York	40,704	27,805	21,085	15,423	16,633	16,016	15,142
North Carolina	7,565	5,369	3,403	2,826	2,826	2,617	2,615
North Dakota	2,387	1,051	810	363	305	308	302
Ohio	24,229	14,644	8,588	4,917	4,931	4,220	4,182
Oklahoma	6,979	3,002	1,991	1,684	1,646	1,495	1,565
Oregon	5,193	2,577	1,998	1,197	980	1,026	1,093
Pennsylvania	23,834	14,846	8,847	5,067	4,814	4,553	4,967
Rhode Island	1,864	1,031	578	236	169	176	237
South Carolina	2,895	2,470	1,619	1,309	1,325	1,157	1,279
South Dakota	1,982	970	594	351	300	301	304
Tennessee	8,391	4,929	2,663	2,141	2,052	2,035	2,032
Texas	20,140	13,071	10,754	10,095	10,092	10,294	NA
Utah	6,977	4,188	1,955	1,347	1,028	1,235	1,075
Vermont	834	567	489	348	350	345	306
Virginia	8,057	7,385	4,444	2,936	2,664	2,646	3,132
Washington	8,615	4,767	3,790	2,494	2,176	2,268	2,441
West Virginia	3,109	2,051	1,336	994	1,001	1,059	984
Wisconsin	14,479	7,348	4,834	3,110	3,029	2,838	3,132
Wyoming	2,136	1,185	801	522	442	413	406
Total	464,566	282,506	192,312	142,578	141,242	135,936	138,949

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2015-2017
(million cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	1,244	1,497	1,825	3,106	4,613	24,915	2,398
Alaska	825	1,195	1,664	1,752	2,110	18,472	2,469
Arizona	2,165	2,460	2,770	3,398	4,443	30,528	4,130
Arkansas	2,837	3,099	4,174	5,497	6,220	47,651	4,918
California	16,362	17,097	20,403	21,311	26,558	235,787	29,483
Colorado	3,121	4,598	6,179	7,263	9,269	54,004	9,189
Connecticut	2,917	3,862	5,272	7,021	7,376	52,453	4,915
Delaware	695	934	1,113	1,658	2,003	11,731	1,234
District of Columbia	854	1,190	1,264	2,405	2,528	17,113	1,611
Florida	4,774	5,164	5,543	6,001	6,429	62,754	5,584
Georgia	2,465	3,237	4,427	7,996	10,458	53,712	5,192
Hawaii	151	162	157	155	159	1,908	167
Idaho	851	993	1,706	2,077	2,782	16,708	2,812
Illinois	10,496	15,803	21,382	30,584	35,945	215,218	24,423
Indiana	3,327	5,228	6,579	11,543	13,778	77,526	8,323
Iowa	2,110	3,493	4,879	7,054	8,822	49,269	6,378
Kansas	NA	1,970	2,653	4,212	5,732	30,959	4,058
Kentucky	1,545	1,827	3,238	5,517	6,758	35,435	3,735
Louisiana	2,219	2,247	2,364	2,921	4,457	29,805	2,872
Maine	493	789	1,048	1,199	1,367	10,072	1,006
Maryland	4,081	5,411	6,392	9,509	11,422	70,199	6,638
Massachusetts	5,404	8,350	10,080	13,214	15,244	105,397	10,010
Michigan	8,703	14,623	18,781	24,800	26,396	168,360	17,807
Minnesota	4,634	7,387	10,400	14,300	16,822	93,004	12,435
Mississippi	1,207	1,032	1,453	2,237	3,179	19,697	1,800
Missouri	2,782	3,376	5,431	8,887	11,150	61,388	7,357
Montana	1,158	1,488	2,272	2,434	3,244	19,364	3,082
Nebraska	1,243	1,783	2,518	3,775	5,001	29,464	4,117
Nevada	2,155	2,390	2,766	3,365	4,348	29,873	4,045
New Hampshire	398	738	991	1,320	1,584	9,630	1,050
New Jersey	9,176	11,773	15,436	20,511	23,535	163,223	13,604
New Mexico	1,288	1,607	2,265	2,902	4,065	25,038	4,115
New York	17,114	23,655	29,003	40,326	47,157	311,203	28,986
North Carolina	2,915	3,791	4,335	8,013	10,316	55,114	4,403
North Dakota	430	1,044	1,211	1,659	2,153	12,317	1,799
Ohio	6,674	12,115	14,966	23,559	29,917	166,602	16,202
Oklahoma	2,092	2,215	3,442	5,075	7,439	41,977	5,631
Oregon	1,438	1,839	2,973	3,194	4,319	25,797	4,191
Pennsylvania	7,146	11,041	13,699	22,320	27,622	152,079	14,838
Rhode Island	555	988	1,261	1,767	2,006	12,016	1,132
South Carolina	1,422	1,885	1,881	3,039	3,910	23,494	1,873
South Dakota	485	826	1,061	1,405	1,931	10,434	1,546
Tennessee	2,652	2,983	4,369	7,608	10,226	53,041	5,191
Texas	10,611	13,184	14,740	19,038	23,837	177,594	19,098
Utah	2,010	2,773	3,970	5,319	6,883	35,772	6,958
Vermont	286	NA	516	714	899	5,918	583
Virginia	3,556	5,145	6,289	9,234	11,584	69,107	6,201
Washington	2,828	3,094	5,496	5,807	7,362	49,967	7,685
West Virginia	1,208	1,633	2,302	3,018	3,696	22,598	2,014
Wisconsin	4,532	7,133	9,172	13,078	15,118	90,175	10,348
Wyoming	810	1,043	1,403	1,539	1,941	12,937	2,395
Total	172,192	233,716	299,514	415,636	506,112	3,198,797	352,031

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015						
	November	October	September	August	July	June	May
Alabama	2,348	1,534	1,190	1,136	1,106	1,103	1,405
Alaska	2,028	1,393	1,202	717	662	574	1,147
Arizona	3,014	1,918	1,708	1,650	1,758	1,878	2,203
Arkansas	4,033	3,163	2,654	2,517	2,388	2,405	2,654
California	26,091	16,134	15,078	16,351	15,782	16,147	19,132
Colorado	6,639	2,795	1,647	1,409	1,522	1,954	3,510
Connecticut	4,024	3,080	2,515	2,451	2,321	2,239	2,611
Delaware	1,117	852	453	429	393	429	422
District of Columbia	1,563	1,230	798	770	712	821	725
Florida	5,144	4,936	4,382	4,589	4,671	4,863	4,762
Georgia	4,701	3,163	2,420	2,275	2,161	2,093	2,624
Hawaii	148	152	153	156	159	154	151
Idaho	2,140	1,102	718	603	627	685	850
Illinois	18,019	12,469	7,827	7,840	7,358	7,293	9,179
Indiana	6,374	4,687	2,765	2,171	2,356	2,308	2,725
Iowa	4,268	3,109	1,752	1,499	1,600	1,807	2,113
Kansas	2,487	2,132	1,610	1,796	1,428	1,076	1,439
Kentucky	3,061	1,788	1,208	1,205	1,192	1,125	1,202
Louisiana	2,697	2,213	2,141	1,839	1,745	1,840	2,037
Maine	816	597	435	428	417	407	389
Maryland	5,903	4,720	2,962	2,986	2,943	2,840	2,956
Massachusetts	9,181	7,315	3,981	3,877	3,892	4,042	4,417
Michigan	13,062	9,169	5,182	5,372	5,034	5,423	7,299
Minnesota	8,304	5,158	2,760	2,884	2,516	2,609	3,970
Mississippi	1,741	1,302	1,167	1,045	960	1,013	1,066
Missouri	5,298	3,331	2,112	2,161	1,881	1,840	2,368
Montana	2,486	1,149	682	577	590	579	981
Nebraska	2,718	1,616	964	1,044	1,264	1,281	1,460
Nevada	3,114	1,977	1,674	1,722	1,610	1,839	2,119
New Hampshire	850	389	240	233	229	274	308
New Jersey	11,164	8,406	7,123	7,173	7,475	6,556	7,304
New Mexico	3,137	1,608	1,053	1,068	980	1,240	1,356
New York	24,516	19,000	14,007	14,826	14,458	13,026	15,674
North Carolina	5,334	4,116	2,889	2,452	2,487	2,867	2,488
North Dakota	1,208	664	320	310	307	313	580
Ohio	12,682	9,078	4,465	4,716	4,679	5,217	6,476
Oklahoma	3,757	2,030	1,599	1,565	1,530	1,541	1,940
Oregon	3,351	1,510	1,184	923	942	981	1,551
Pennsylvania	12,872	9,859	5,196	4,641	4,390	5,154	5,766
Rhode Island	1,030	638	247	253	262	309	385
South Carolina	2,099	1,795	1,356	1,365	1,301	1,285	1,500
South Dakota	1,114	565	312	310	305	323	498
Tennessee	4,634	3,032	2,225	2,057	2,039	2,141	2,453
Texas	13,847	10,634	9,727	9,512	10,752	10,723	10,314
Utah	4,785	1,491	1,003	1,170	1,181	1,387	2,168
Vermont	554	520	334	316	340	323	204
Virginia	6,155	4,889	3,592	2,646	2,716	2,644	2,813
Washington	6,044	3,220	2,521	1,995	2,068	2,407	2,942
West Virginia	1,928	1,551	1,110	853	984	798	1,107
Wisconsin	7,772	4,983	2,866	2,963	2,781	2,840	3,791
Wyoming	1,637	604	503	298	422	461	919
Total	282,990	194,764	138,010	135,142	133,678	135,477	160,452

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2015-2017
(million cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	1,432	2,127	4,665	4,471
Alaska	1,548	2,268	1,992	2,473
Arizona	2,422	2,785	3,082	3,980
Arkansas	3,183	5,328	7,068	7,338
California	18,079	18,893	19,598	25,020
Colorado	3,872	5,458	7,069	8,940
Connecticut	4,444	7,321	8,272	8,259
Delaware	770	1,504	2,097	2,031
District of Columbia	1,010	2,184	2,648	3,043
Florida	5,286	5,629	6,332	6,575
Georgia	3,296	5,476	10,128	10,181
Hawaii	168	165	157	179
Idaho	1,235	1,477	1,770	2,687
Illinois	15,102	27,346	39,507	38,856
Indiana	5,093	9,951	15,388	15,385
Iowa	3,165	5,812	9,123	8,643
Kansas	1,588	3,180	4,868	5,296
Kentucky	1,739	4,345	7,562	7,275
Louisiana	2,001	2,514	3,680	4,226
Maine	833	1,405	1,665	1,676
Maryland	4,954	9,783	11,814	11,699
Massachusetts	7,679	14,537	18,252	18,214
Michigan	13,744	23,965	31,717	30,587
Minnesota	6,599	11,399	17,900	16,471
Mississippi	1,129	2,144	3,003	3,327
Missouri	4,330	8,620	11,594	10,496
Montana	1,394	2,045	2,568	3,229
Nebraska	1,957	3,127	4,904	5,012
Nevada	2,411	2,642	2,902	3,817
New Hampshire	673	1,455	1,955	1,975
New Jersey	15,286	22,572	28,279	28,280
New Mexico	1,488	2,093	3,063	3,836
New York	22,349	41,823	50,725	51,813
North Carolina	3,421	5,408	10,110	9,139
North Dakota	833	1,491	2,229	2,264
Ohio	12,865	24,200	33,326	32,696
Oklahoma	2,349	4,767	7,445	7,823
Oregon	2,209	2,391	2,791	3,774
Pennsylvania	10,552	21,189	29,766	27,856
Rhode Island	872	1,949	2,477	2,463
South Carolina	1,568	2,129	3,650	3,572
South Dakota	672	1,103	1,771	1,916
Tennessee	2,928	5,637	10,805	9,900
Texas	12,752	20,618	21,963	27,654
Utah	3,027	3,004	3,979	5,620
Vermont	370	675	810	889
Virginia	4,015	8,607	12,727	12,102
Washington	4,172	4,779	5,305	6,829
West Virginia	1,707	3,122	3,798	3,624
Wisconsin	6,601	11,827	16,777	16,627
Wyoming	986	1,196	1,603	1,913
Total	232,156	385,467	516,680	531,951

^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: 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, 2015-2017
(million cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016 Total
				March	February	January	
Alabama	49,750	51,445	50,155	17,067	15,193	17,491	189,066
Alaska	826	960	1,386	281	259	286	4,268
Arizona	5,632	5,532	5,642	1,761	1,793	2,078	19,762
Arkansas	22,283	21,974	24,470	7,114	7,110	8,059	81,066
California	183,288	185,286	185,915	62,688	56,613	63,988	772,366
Colorado	25,163	24,542	24,229	7,565	7,647	9,951	81,068
Connecticut	7,482	7,467	8,642	2,629	2,213	2,640	24,743
Delaware	7,898	8,005	8,645	2,353	2,657	2,888	NA
District of Columbia	0	0	0	0	0	0	0
Florida	27,141	27,231	25,782	9,164	8,160	9,817	103,528
Georgia	40,178	41,718	41,532	13,984	12,526	13,668	152,916
Hawaii	136	131	103	47	42	48	542
Idaho ^a	10,360	10,167	7,584	3,183	3,276	3,901	34,782
Illinois	72,988	76,917	81,660	23,439	22,641	26,907	NA
Indiana	101,764	104,636	111,238	33,772	31,544	36,448	370,734
Iowa	57,727	48,421	49,439	19,988	18,125	19,614	187,987
Kansas	NA	30,366	29,661	9,739	NA	11,346	114,795
Kentucky	31,875	33,310	34,736	10,486	9,904	11,485	115,334
Louisiana	NA	258,727	235,448	89,796	82,009	NA	1,039,701
Maine	4,838	NA	6,230	1,595	1,534	1,709	NA
Maryland	4,318	4,269	4,289	1,540	1,280	1,497	NA
Massachusetts	15,953	15,143	17,338	5,428	4,995	5,531	44,896
Michigan	53,229	53,945	57,756	17,606	16,457	19,166	173,140
Minnesota	45,858	48,040	47,610	14,831	14,655	16,372	161,967
Mississippi	32,766	30,002	31,309	11,140	10,396	11,231	116,053
Missouri	NA	19,688	20,967	5,926	NA	NA	NA
Montana	5,168	NA	5,630	1,628	1,620	1,920	NA
Nebraska	22,694	19,805	22,040	7,358	7,608	7,728	87,938
Nevada	5,012	4,620	4,547	1,673	1,519	1,820	NA
New Hampshire	2,326	NA	2,565	781	782	763	NA
New Jersey	NA	15,575	17,214	NA	NA	5,436	63,578
New Mexico	NA	4,444	4,741	NA	1,243	1,547	16,165
New York	24,553	24,420	28,313	8,343	7,634	8,576	81,684
North Carolina	27,967	29,795	29,641	9,643	8,674	9,650	105,636
North Dakota	8,465	7,705	8,364	3,089	2,402	2,973	31,340
Ohio	82,347	82,428	90,319	26,995	26,065	29,288	277,927
Oklahoma	51,405	49,674	49,039	17,894	15,546	17,966	192,349
Oregon	16,266	15,361	14,807	5,301	5,101	5,863	56,596
Pennsylvania	60,398	60,014	71,631	20,727	18,755	20,916	209,336
Rhode Island	NA	2,290	2,314	716	NA	806	8,474
South Carolina	23,182	22,455	21,252	7,985	7,162	8,036	87,105
South Dakota	12,118	11,833	11,713	3,809	4,066	4,244	44,559
Tennessee	35,997	33,440	33,737	11,878	11,608	12,512	122,540
Texas	NA	417,976	396,976	140,415	131,076	NA	NA
Utah	10,979	10,547	10,220	3,390	3,810	3,779	38,568
Vermont	633	627	599	215	196	222	2,172
Virginia	NA	23,301	20,959	NA	6,980	7,740	89,149
Washington	21,973	21,355	20,388	6,991	6,836	8,145	79,274
West Virginia	9,641	8,199	8,001	3,225	3,013	3,403	33,710
Wisconsin	45,251	43,132	44,905	14,930	13,681	16,639	143,209
Wyoming	13,769	12,848	12,295	4,627	4,333	4,809	51,372
Total	2,056,744	2,042,822	2,043,980	689,460	640,236	727,047	7,721,322

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017
(million cubic feet) – continued

State	2016						
	December	November	October	September	August	July	June
Alabama	16,700	15,247	14,849	13,993	14,623	14,695	15,147
Alaska	466	493	538	436	261	307	363
Arizona	1,914	1,647	1,664	1,576	1,384	1,335	1,542
Arkansas	7,842	6,981	6,497	6,313	6,469	6,029	6,028
California	66,309	62,744	63,617	68,647	72,567	66,296	62,499
Colorado	9,511	7,271	6,154	5,217	5,298	5,168	5,034
Connecticut	2,724	2,256	1,779	1,695	1,766	1,718	1,633
Delaware	2,777	NA	2,742	2,659	2,573	2,690	2,335
District of Columbia	0	0	0	0	0	0	0
Florida	9,128	8,608	8,357	8,142	8,409	8,293	7,650
Georgia	13,563	12,720	12,805	11,364	11,760	11,890	11,941
Hawaii	42	41	43	44	56	54	41
Idaho	3,790	3,173	3,119	2,661	2,253	2,525	2,137
Illinois	27,278	22,336	20,481	18,672	17,648	NA	NA
Indiana	37,397	28,273	24,643	27,073	27,950	29,030	29,040
Iowa	20,033	18,342	16,267	14,106	14,383	14,264	14,033
Kansas	11,764	9,145	8,448	7,741	11,262	10,236	8,637
Kentucky	11,102	10,040	9,012	8,211	8,590	8,181	8,249
Louisiana	93,159	87,364	84,902	83,892	86,726	87,948	84,591
Maine	1,460	1,350	1,634	1,522	1,530	1,511	NA
Maryland	NA	1,124	1,256	978	1,183	1,196	1,042
Massachusetts	5,115	4,138	3,271	2,450	2,376	2,431	2,790
Michigan	18,529	14,628	13,284	12,206	11,525	10,796	11,431
Minnesota	15,909	13,695	11,955	10,822	12,027	12,140	11,660
Mississippi	10,723	9,927	8,328	8,686	9,565	9,583	9,833
Missouri	6,789	5,300	NA	4,666	4,336	4,489	4,421
Montana	1,927	2,209	NA	NA	NA	NA	NA
Nebraska	8,105	8,026	7,797	7,380	8,856	8,163	6,885
Nevada	NA	1,523	1,635	NA	NA	NA	1,433
New Hampshire	728	685	616	586	551	558	NA
New Jersey	5,587	4,674	5,614	5,377	5,733	6,005	5,472
New Mexico	1,529	1,398	1,325	1,237	1,214	1,257	1,225
New York	8,814	7,179	6,491	5,650	5,897	5,510	5,441
North Carolina	9,641	8,950	8,636	7,710	8,381	7,751	7,678
North Dakota	2,625	3,068	3,185	2,853	2,040	2,197	2,773
Ohio	27,932	23,646	21,566	19,514	19,074	19,309	19,851
Oklahoma	17,580	15,453	14,985	13,805	15,640	15,809	15,702
Oregon	5,560	4,706	4,846	4,368	4,279	4,198	4,216
Pennsylvania	20,384	19,228	17,129	14,675	16,036	14,622	14,377
Rhode Island	734	677	694	742	662	605	652
South Carolina	7,864	7,759	7,074	6,780	6,820	6,691	6,927
South Dakota	4,107	3,952	3,564	3,535	3,660	3,400	3,385
Tennessee	12,126	10,505	9,963	9,315	9,598	9,264	9,467
Texas	156,777	142,307	139,331	139,062	NA	NA	130,406
Utah	3,460	3,201	3,130	2,995	2,735	2,822	3,036
Vermont	217	199	185	153	140	140	151
Virginia	7,677	7,555	6,462	7,536	7,461	7,398	7,196
Washington	7,906	6,688	7,137	6,413	5,965	6,014	5,732
West Virginia	3,519	3,406	3,159	2,847	2,706	2,832	2,530
Wisconsin	15,836	12,337	11,267	9,824	9,963	9,224	9,691
Wyoming	5,032	4,803	4,522	3,904	4,187	4,158	3,930
Total	733,158	653,552	622,398	603,457	627,012	616,279	590,190

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017
(million cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	16,613	15,753	16,568	16,396	18,481	186,954	15,730
Alaska	261	183	237	243	479	4,864	422
Arizona	1,591	1,577	1,709	1,793	2,031	20,402	2,029
Arkansas	6,420	6,512	6,968	7,081	7,925	85,287	7,301
California	63,054	61,348	62,467	58,716	64,102	777,104	66,909
Colorado	6,193	6,680	7,599	7,760	9,184	78,694	8,998
Connecticut	1,747	1,958	2,083	2,566	2,817	25,612	2,194
Delaware	2,643	2,464	2,666	2,517	2,821	33,126	3,040
District of Columbia	0	0	0	0	0	0	0
Florida	8,617	9,093	9,148	8,667	9,416	96,124	8,855
Georgia	12,721	12,435	13,481	13,859	14,377	157,936	13,423
Hawaii	47	42	41	44	47	442	36
Idaho ^a	2,463	2,494	3,186	3,335	3,647	31,664	3,399
Illinois	18,796	20,311	23,292	25,696	27,930	265,900	24,502
Indiana	31,227	31,464	33,813	34,110	36,713	372,537	33,407
Iowa	14,229	13,908	15,725	15,766	16,930	178,772	15,802
Kansas	8,540	8,657	9,567	9,884	10,916	111,016	11,367
Kentucky	9,181	9,458	10,363	10,922	12,025	115,956	9,951
Louisiana	87,285	85,108	87,558	81,450	89,718	948,918	85,177
Maine	NA	NA	NA	NA	NA	20,972	1,526
Maryland	1,179	1,239	1,519	1,428	1,322	14,765	1,312
Massachusetts	3,111	4,072	4,478	5,187	5,478	44,554	4,043
Michigan	12,111	14,685	16,587	18,218	19,140	171,196	15,555
Minnesota	12,443	13,275	15,479	15,288	17,274	157,400	15,545
Mississippi	9,766	9,641	9,093	10,101	10,807	121,866	10,513
Missouri	4,993	4,977	5,597	7,176	6,914	65,691	6,158
Montana	1,723	NA	NA	1,918	2,136	21,152	2,102
Nebraska	6,557	6,363	6,496	6,311	6,998	85,604	7,161
Nevada	1,483	1,518	1,562	1,448	1,609	17,724	1,467
New Hampshire	NA	NA	NA	NA	826	8,386	743
New Jersey	4,533	5,007	4,351	4,929	6,294	55,368	4,211
New Mexico	1,302	1,234	1,443	1,454	1,547	17,937	1,571
New York	5,215	7,067	7,901	8,332	8,187	83,055	6,684
North Carolina	8,450	8,646	9,211	10,069	10,515	105,103	9,050
North Dakota	2,800	2,094	2,668	2,278	2,759	31,660	2,377
Ohio	21,570	23,038	25,038	27,438	29,952	276,004	23,373
Oklahoma	17,335	16,366	16,456	15,430	17,788	184,627	17,940
Oregon	4,518	4,545	4,996	4,859	5,506	54,931	5,261
Pennsylvania	15,523	17,350	18,968	20,231	20,816	241,287	20,844
Rhode Island	691	728	760	799	730	8,624	742
South Carolina	7,360	7,376	7,449	7,198	7,808	84,405	7,892
South Dakota	3,479	3,644	3,785	3,932	4,116	44,094	3,872
Tennessee	9,340	9,521	10,126	11,145	12,169	114,673	9,842
Texas	130,670	128,883	139,966	133,542	144,468	1,599,279	144,705
Utah	3,073	3,569	3,376	3,600	3,571	37,189	3,568
Vermont	167	192	204	204	220	2,040	188
Virginia	7,382	7,181	7,482	7,185	8,633	86,817	7,186
Washington	5,760	6,305	6,605	6,792	7,958	76,600	7,527
West Virginia	2,205	2,306	2,677	2,718	2,804	25,901	2,430
Wisconsin	10,100	11,833	12,944	14,219	15,970	136,709	12,901
Wyoming	4,045	3,943	4,285	4,147	4,416	47,667	4,626
Total	612,668	619,787	662,224	660,688	719,910	7,534,589	675,456

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017
(million cubic feet) – continued

State	2015						
	November	October	September	August	July	June	May
Alabama	15,157	15,350	14,954	15,369	15,841	14,675	15,522
Alaska	381	369	345	402	390	376	397
Arizona	1,882	1,604	1,446	1,487	1,498	1,512	1,644
Arkansas	7,201	6,903	6,342	6,455	6,434	6,380	6,771
California	63,511	64,415	65,899	71,454	69,807	62,545	63,541
Colorado	7,697	5,866	4,823	5,029	5,033	4,904	6,015
Connecticut	2,010	1,883	1,712	1,804	1,736	1,733	1,816
Delaware	2,682	2,590	2,448	2,636	2,668	2,560	2,819
District of Columbia	0	0	0	0	0	0	0
Florida	7,706	7,928	7,320	7,298	7,605	7,572	8,064
Georgia	13,324	13,742	12,274	12,720	13,006	12,710	13,089
Hawaii	36	43	37	41	38	44	31
Idaho ^a	3,311	3,028	2,561	2,412	2,091	2,359	2,598
Illinois	23,724	20,369	18,722	18,717	19,614	18,206	19,770
Indiana	29,891	28,801	26,669	28,121	28,246	27,518	29,593
Iowa	15,136	15,213	13,428	13,991	13,797	13,627	14,433
Kansas	9,144	8,368	7,999	9,938	10,113	8,377	7,763
Kentucky	9,766	8,847	8,471	8,798	8,438	8,571	8,729
Louisiana	81,583	79,536	77,834	80,573	77,087	75,647	79,939
Maine	1,510	1,670	1,590	1,555	1,591	1,629	1,718
Maryland	1,277	1,252	1,140	927	1,123	1,168	1,141
Massachusetts	4,042	3,051	2,574	2,215	2,265	2,169	2,808
Michigan	14,100	13,319	11,478	11,210	11,139	10,687	11,570
Minnesota	13,674	13,346	11,362	10,324	10,333	10,718	11,132
Mississippi	10,323	11,293	9,900	9,648	9,720	9,896	9,645
Missouri	5,560	4,912	4,551	4,399	4,742	4,629	4,657
Montana	1,939	1,812	1,654	1,901	1,391	1,500	1,613
Nebraska	7,848	7,320	6,508	7,106	7,738	6,459	6,797
Nevada	1,507	1,463	1,470	1,463	1,425	1,386	1,438
New Hampshire	709	619	605	566	606	611	598
New Jersey	4,575	4,156	4,079	4,039	4,218	4,134	4,154
New Mexico	1,613	1,476	1,345	1,434	1,379	1,230	1,550
New York	6,657	6,256	5,594	5,803	5,278	5,363	5,775
North Carolina	8,912	9,045	7,975	8,155	7,855	7,794	8,132
North Dakota	2,951	2,948	2,706	2,519	1,999	2,452	2,835
Ohio	22,474	20,128	18,521	19,080	19,463	19,413	20,431
Oklahoma	17,208	15,900	14,979	13,433	12,256	12,777	15,918
Oregon	4,834	4,377	4,087	4,163	4,014	4,194	4,411
Pennsylvania	19,346	19,056	17,342	17,482	18,103	18,132	19,273
Rhode Island	669	675	686	673	650	666	701
South Carolina	7,360	7,255	6,632	6,762	6,658	6,661	6,852
South Dakota	3,815	3,422	3,438	3,534	3,499	3,571	3,524
Tennessee	9,275	9,189	8,715	8,767	8,573	8,800	8,581
Texas	137,006	131,492	127,538	135,406	133,141	129,478	134,316
Utah	3,083	2,933	2,724	2,755	2,744	2,994	3,073
Vermont	178	188	150	153	156	137	134
Virginia	7,338	7,260	6,752	7,360	7,286	7,320	7,646
Washington	6,991	6,754	6,029	5,638	5,375	5,703	6,000
West Virginia	2,061	1,893	1,717	1,877	1,787	1,948	1,905
Wisconsin	12,329	10,777	9,133	9,153	8,853	8,839	9,392
Wyoming	4,196	3,906	3,644	3,765	3,826	3,817	3,673
Total	639,499	613,999	579,903	600,508	592,628	575,588	603,928

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017
(million cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	14,200	15,980	16,318	17,857
Alaska	395	439	450	497
Arizona	1,659	1,831	1,695	2,115
Arkansas	7,029	7,921	8,062	8,486
California	63,109	62,086	57,365	66,464
Colorado	6,100	7,182	8,094	8,953
Connecticut	2,082	2,936	2,728	2,978
Delaware	3,037	3,171	2,494	2,980
District of Columbia	0	0	0	0
Florida	7,994	8,562	8,416	8,804
Georgia	12,115	13,537	13,192	14,803
Hawaii	32	37	28	38
Idaho ^a	2,322	2,419	2,558	2,607
Illinois	20,616	24,665	27,785	29,210
Indiana	29,054	36,014	37,319	37,904
Iowa	13,906	15,493	16,578	17,368
Kansas	8,285	8,435	10,152	11,073
Kentucky	9,650	11,399	11,377	11,960
Louisiana	76,095	76,843	74,907	83,698
Maine	1,953	2,186	1,843	2,201
Maryland	1,135	1,351	1,353	1,584
Massachusetts	4,049	5,321	6,187	5,830
Michigan	14,382	17,712	19,139	20,906
Minnesota	13,355	15,419	15,370	16,822
Mississippi	9,620	9,986	10,330	10,994
Missouri	5,116	6,733	7,055	7,179
Montana	1,612	1,729	1,796	2,105
Nebraska	6,626	6,395	7,715	7,930
Nevada	1,558	1,546	1,376	1,625
New Hampshire	764	930	812	823
New Jersey	4,589	5,316	5,557	6,341
New Mexico	1,597	1,643	1,523	1,575
New York	7,332	9,508	9,426	9,378
North Carolina	8,546	9,856	9,375	10,411
North Dakota	2,510	2,940	2,687	2,736
Ohio	22,803	28,217	30,802	31,300
Oklahoma	15,178	15,925	15,213	17,901
Oregon	4,784	4,824	4,648	5,335
Pennsylvania	20,078	24,188	23,656	23,787
Rhode Island	848	760	826	728
South Carolina	7,080	7,602	6,083	7,567
South Dakota	3,706	3,722	3,967	4,025
Tennessee	9,194	10,716	11,509	11,512
Texas	129,221	132,504	124,812	139,660
Utah	3,092	3,152	3,483	3,586
Vermont	158	207	176	217
Virginia	7,711	6,605	6,805	7,550
Washington	6,193	6,880	6,255	7,253
West Virginia	2,282	2,716	2,713	2,572
Wisconsin	10,427	13,617	15,341	15,947
Wyoming	3,919	4,092	3,733	4,470
Total	609,100	663,251	661,083	719,645

^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: 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, 2015-2017
(million cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016 Total
				March	February	January	
Alabama	78,695	93,929	97,552	30,229	22,970	25,496	415,162
Alaska	4,313	5,635	7,783	1,294	976	2,044	22,236
Arizona	22,355	41,955	29,409	7,550	5,346	9,459	255,593
Arkansas	19,632	27,323	32,605	9,547	6,362	3,723	136,368
California	120,416	145,050	162,300	32,709	36,916	50,791	671,152
Colorado	20,070	21,420	18,193	6,140	5,661	8,269	95,419
Connecticut	26,777	29,143	26,775	8,124	8,279	10,373	122,240
Delaware	7,409	8,441	6,741	3,394	2,097	1,919	53,926
District of Columbia	--	--	--	--	--	--	--
Florida	235,549	257,137	242,065	88,623	71,285	75,640	1,180,649
Georgia	82,199	83,640	80,922	26,609	27,229	28,361	379,202
Hawaii	--	--	--	--	--	--	--
Idaho	5,681	7,045	3,567	1,735	1,536	2,410	23,971
Illinois	20,491	29,277	17,361	8,467	6,213	5,811	146,175
Indiana	33,818	39,082	37,653	12,870	9,760	11,188	158,414
Iowa	3,856	4,577	3,920	1,417	906	1,533	20,233
Kansas	2,781	2,124	2,553	1,289	600	891	20,324
Kentucky	9,077	15,251	10,963	4,750	1,869	2,457	66,907
Louisiana	53,863	79,987	67,703	21,645	16,448	15,770	330,642
Maine	W	4,955	4,951	W	W	W	22,408
Maryland	9,487	7,791	3,999	4,687	2,716	2,084	49,059
Massachusetts	41,628	30,078	21,810	14,894	12,824	13,910	160,044
Michigan	45,286	52,193	43,540	18,453	11,625	15,208	243,612
Minnesota	12,291	15,789	10,602	4,257	3,078	4,957	65,606
Mississippi	71,389	87,000	83,858	28,521	18,076	24,792	367,456
Missouri	7,829	7,469	W	3,215	2,085	2,529	51,135
Montana	1,090	1,767	W	369	302	418	7,306
Nebraska	W	338	W	W	W	W	6,358
Nevada	42,271	47,805	39,371	12,922	13,168	16,181	209,610
New Hampshire	3,461	4,091	9,252	1,464	893	1,104	33,841
New Jersey	53,346	69,207	61,163	22,311	14,037	16,998	327,628
New Mexico	16,663	18,738	18,325	5,244	4,969	6,449	82,929
New York	94,184	96,552	104,234	34,603	27,617	31,964	477,867
North Carolina	68,093	76,286	61,220	24,324	21,817	21,952	293,669
North Dakota	1,714	2,118	W	538	504	671	9,347
Ohio	43,989	57,090	59,003	15,458	13,768	14,763	211,732
Oklahoma	36,266	55,240	60,286	12,121	10,375	13,769	274,388
Oregon	21,124	26,924	17,798	3,648	6,185	11,290	107,069
Pennsylvania	95,769	105,316	93,246	32,350	30,087	33,332	500,656
Rhode Island	9,553	9,467	7,048	3,346	2,964	3,244	46,974
South Carolina	26,222	27,455	22,575	9,774	8,753	7,695	133,130
South Dakota	W	1,553	W	W	321	552	7,574
Tennessee	18,110	19,595	15,893	8,415	4,911	4,785	87,680
Texas	259,881	347,381	373,035	94,308	77,504	88,069	1,538,663
Utah	9,711	13,296	10,735	2,239	2,636	4,836	58,008
Vermont	4	1	8	2	1	2	14
Virginia	72,639	66,160	53,575	26,635	22,805	23,199	292,826
Washington	20,159	21,581	12,016	5,404	5,229	9,526	85,403
West Virginia	W	1,508	1,058	W	W	W	10,311
Wisconsin	20,484	33,826	25,215	8,181	5,385	6,919	120,764
Wyoming	W	W	W	W	W	114	1,844
Total	1,856,512	2,199,902	2,074,178	667,123	550,276	639,113	9,983,526

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016						
	December	November	October	September	August	July	June
Alabama	30,859	30,500	31,962	40,587	43,505	44,566	39,282
Alaska	1,753	1,763	1,732	1,952	2,200	2,044	1,756
Arizona	9,577	12,145	20,806	28,593	36,059	36,512	31,063
Arkansas	7,172	10,868	9,109	9,207	16,405	16,341	17,250
California	52,512	51,615	62,951	64,501	79,709	73,374	63,255
Colorado	7,245	5,669	5,848	6,793	10,126	11,675	10,289
Connecticut	9,470	9,797	9,514	9,817	12,137	11,476	9,275
Delaware	2,262	3,572	5,346	5,237	7,089	7,425	6,001
District of Columbia	--	--	--	--	--	--	--
Florida	76,560	76,861	96,936	108,803	120,587	122,353	114,263
Georgia	25,859	23,972	26,061	31,785	41,363	43,098	39,628
Hawaii	--	--	--	--	--	--	--
Idaho	1,766	834	1,366	2,671	3,698	2,549	2,006
Illinois	8,363	8,308	11,710	12,872	20,063	23,039	13,253
Indiana	13,562	13,587	11,299	11,936	16,077	15,793	13,958
Iowa	713	575	942	1,249	3,628	3,162	2,131
Kansas	931	1,262	1,356	2,735	2,847	3,163	3,117
Kentucky	5,420	4,211	4,730	5,454	7,597	8,026	6,732
Louisiana	18,790	19,777	22,889	28,503	31,968	38,721	33,611
Maine	815	1,122	1,770	1,834	3,562	3,252	1,770
Maryland	822	570	3,308	5,414	10,307	9,671	3,730
Massachusetts	10,717	8,180	9,495	14,211	21,417	21,351	17,569
Michigan	15,356	16,947	16,857	17,992	31,130	26,034	21,500
Minnesota	2,906	3,268	3,282	3,332	10,302	8,556	6,111
Mississippi	27,475	21,372	27,273	36,326	37,854	39,659	36,139
Missouri	3,601	2,189	3,153	4,845	6,815	7,273	6,992
Montana	W	W	W	618	1,051	885	670
Nebraska	196	674	469	291	1,119	1,100	1,389
Nevada	15,951	15,667	15,257	17,112	21,887	22,567	21,319
New Hampshire	2,200	3,078	2,362	3,909	4,582	4,147	2,854
New Jersey	21,684	19,960	27,481	30,078	41,217	39,592	30,423
New Mexico	6,174	5,270	7,211	7,250	8,608	9,227	7,704
New York	33,326	28,853	32,503	45,082	64,329	59,588	44,619
North Carolina	21,708	23,813	18,622	24,204	30,092	29,132	23,889
North Dakota	W	607	691	828	1,315	1,155	898
Ohio	15,615	15,568	14,289	18,191	23,086	22,704	17,398
Oklahoma	16,442	20,889	18,559	25,575	29,527	33,632	31,430
Oregon	12,339	7,788	7,767	13,139	14,263	10,464	7,950
Pennsylvania	38,553	38,967	39,512	47,277	57,598	57,177	47,121
Rhode Island	2,844	2,903	2,968	4,439	5,686	5,963	4,761
South Carolina	7,370	13,620	10,992	13,848	14,771	15,788	12,229
South Dakota	272	512	473	556	1,139	1,031	745
Tennessee	7,931	3,688	6,423	8,879	10,415	10,109	9,257
Texas	90,872	96,452	111,658	144,557	174,935	171,002	151,685
Utah	4,215	3,313	4,019	4,423	6,023	6,322	6,069
Vermont	2	2	2	3	3	1	--
Virginia	20,812	20,785	18,007	27,967	38,099	36,703	29,100
Washington	7,455	4,674	5,017	10,717	12,266	9,735	6,145
West Virginia	164	386	1,662	1,150	686	680	1,309
Wisconsin	6,991	6,628	5,218	8,027	15,103	14,065	11,524
Wyoming	W	W	W	W	W	W	W
Total	668,757	663,538	741,360	914,908	1,154,593	1,142,161	971,342

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2015-2017
(million cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	33,335	26,636	30,764	29,216	33,949	397,961	33,249
Alaska	1,755	1,645	1,745	1,810	2,080	27,722	2,336
Arizona	20,260	18,623	14,134	12,550	15,271	249,477	17,515
Arkansas	12,184	10,509	12,760	5,899	8,663	108,755	6,754
California	40,618	37,567	37,493	47,121	60,436	816,787	63,111
Colorado	7,741	8,614	7,331	6,294	7,795	92,757	8,346
Connecticut	10,263	11,348	8,938	9,698	10,507	119,305	11,119
Delaware	3,953	4,602	3,856	2,385	2,200	44,725	2,190
District of Columbia	--	--	--	--	--	--	--
Florida	106,961	100,187	90,908	79,470	86,759	1,160,140	89,587
Georgia	33,268	30,528	29,405	25,637	28,597	354,090	25,887
Hawaii	--	--	--	--	--	--	--
Idaho	1,407	628	1,760	2,412	2,873	27,790	2,840
Illinois	9,676	9,615	12,110	8,898	8,269	83,570	7,753
Indiana	13,693	9,428	13,879	11,811	13,392	127,365	13,305
Iowa	2,456	801	1,453	1,485	1,639	17,518	1,623
Kansas	1,685	1,104	947	510	667	16,614	804
Kentucky	4,992	4,493	6,026	3,711	5,514	52,015	3,312
Louisiana	30,795	25,600	27,286	24,777	27,924	342,742	31,279
Maine	1,920	1,409	607	1,896	2,451	17,447	1,427
Maryland	3,879	3,569	4,203	2,295	1,292	39,632	2,457
Massachusetts	15,482	11,546	10,627	9,811	9,641	156,492	9,618
Michigan	22,478	23,125	18,916	16,885	16,392	174,770	16,664
Minnesota	6,207	5,853	5,173	5,230	5,386	54,054	5,725
Mississippi	31,831	22,528	26,509	29,688	30,803	331,496	25,574
Missouri	4,019	4,780	2,543	2,547	2,379	40,109	2,899
Montana	W	W	553	578	636	7,847	777
Nebraska	318	463	150	101	87	4,634	137
Nevada	17,106	14,939	15,241	14,624	17,941	207,145	18,135
New Hampshire	3,009	3,609	749	1,145	2,196	42,673	2,706
New Jersey	24,014	23,970	24,419	21,012	23,777	290,843	23,354
New Mexico	6,387	6,358	6,092	5,806	6,840	77,947	6,933
New York	39,743	33,273	32,185	30,295	34,071	475,658	31,355
North Carolina	21,936	23,986	28,153	24,825	23,308	268,925	22,474
North Dakota	688	W	664	726	729	3,671	W
Ohio	11,353	16,437	18,110	19,207	19,773	210,460	17,199
Oklahoma	22,843	20,250	17,666	16,020	21,555	254,706	23,024
Oregon	3,346	3,089	7,255	9,330	10,340	113,988	11,609
Pennsylvania	35,691	33,444	36,647	33,433	35,235	439,248	35,621
Rhode Island	5,004	2,937	4,496	2,530	2,442	50,110	3,081
South Carolina	10,143	6,915	9,925	7,877	9,654	135,239	11,601
South Dakota	605	687	528	570	455	7,083	656
Tennessee	6,235	5,147	6,915	6,325	6,355	69,830	6,156
Texas	132,544	117,577	119,869	105,021	122,491	1,646,330	123,103
Utah	5,071	5,259	4,411	4,107	4,778	55,797	5,002
Vermont	2	*	1	--	*	19	1
Virginia	21,704	13,489	20,289	22,753	23,118	243,116	22,839
Washington	5,028	2,787	4,468	7,351	9,761	97,300	9,481
West Virginia	1,666	1,100	1,074	226	208	13,277	522
Wisconsin	9,688	9,693	13,267	10,324	10,235	101,211	9,879
Wyoming	W	W	W	W	W	706	W
Total	805,702	721,262	742,605	686,335	770,962	9,671,095	771,355

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015					
	November	October	September	August	July	June
Alabama	31,034	31,534	33,356	37,742	39,373	36,860
Alaska	2,164	2,096	1,863	2,116	2,365	2,311
Arizona	17,672	24,561	31,091	38,244	33,842	30,537
Arkansas	5,434	4,130	8,552	12,523	12,805	9,865
California	59,484	84,917	89,295	91,733	86,319	74,951
Colorado	9,658	8,172	9,582	10,114	9,620	8,089
Connecticut	9,814	10,291	10,504	12,188	11,619	9,406
Delaware	2,330	3,068	4,903	5,119	5,710	4,509
District of Columbia	--	--	--	--	--	--
Florida	91,782	100,028	105,993	113,372	111,305	105,902
Georgia	27,527	29,598	30,621	35,927	39,940	33,576
Hawaii	--	--	--	--	--	--
Idaho	2,240	2,500	2,930	3,645	3,230	3,481
Illinois	7,008	6,560	8,788	7,957	11,120	7,075
Indiana	11,439	8,711	7,942	10,138	10,486	9,343
Iowa	530	918	1,750	2,364	3,063	1,746
Kansas	W	W	1,662	2,353	3,425	1,970
Kentucky	5,312	6,074	4,867	4,798	6,310	3,656
Louisiana	29,353	29,252	27,504	33,927	36,977	33,989
Maine	1,813	2,483	1,538	1,839	1,132	573
Maryland	3,188	2,959	4,162	4,947	6,571	4,315
Massachusetts	8,375	13,391	16,586	23,001	22,583	14,822
Michigan	14,519	15,441	14,817	14,732	17,544	14,362
Minnesota	3,113	3,400	6,416	6,314	7,274	4,664
Mississippi	25,741	23,923	26,810	32,206	34,848	32,210
Missouri	2,409	1,850	3,641	5,682	6,523	4,316
Montana	666	714	770	803	918	705
Nebraska	160	W	505	890	1,257	686
Nevada	15,282	18,088	20,109	22,904	20,722	21,244
New Hampshire	3,795	3,375	3,922	4,622	4,211	3,618
New Jersey	24,504	24,677	29,675	29,355	30,618	24,861
New Mexico	5,581	6,330	6,895	8,798	8,114	6,787
New York	33,652	39,937	49,022	54,763	54,290	40,290
North Carolina	22,200	19,195	23,579	24,881	25,946	26,406
North Dakota	W	W	433	492	497	W
Ohio	15,918	13,838	17,928	19,618	20,417	18,226
Oklahoma	20,482	16,289	20,143	27,950	30,396	22,126
Oregon	11,382	10,746	11,754	11,616	12,013	10,573
Pennsylvania	36,071	38,145	39,738	47,480	47,934	38,101
Rhode Island	4,334	3,864	3,507	7,037	6,902	6,135
South Carolina	13,955	12,777	11,768	13,664	14,943	14,514
South Dakota	521	396	519	943	1,216	769
Tennessee	5,458	4,574	6,133	6,002	7,594	7,026
Texas	110,207	131,222	151,139	185,654	181,401	147,288
Utah	4,575	4,387	5,171	6,238	5,768	5,443
Vermont	1	*	1	*	*	1
Virginia	16,558	11,752	22,109	26,163	29,071	26,215
Washington	10,383	11,239	10,914	10,802	12,265	9,569
West Virginia	765	1,541	1,742	1,873	2,142	1,614
Wisconsin	7,700	7,455	9,104	8,982	11,015	8,205
Wyoming	W	W	W	W	W	W
Total	737,310	797,631	901,839	1,034,595	1,053,747	893,343

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2015-2017
(million cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	24,780	30,436	31,501	35,616
Alaska	2,907	2,470	2,367	2,945
Arizona	13,368	9,409	8,635	11,365
Arkansas	8,745	10,498	12,257	9,850
California	52,877	53,804	46,614	61,882
Colorado	5,970	6,214	5,508	6,471
Connecticut	8,839	8,474	7,570	10,731
Delaware	5,269	2,110	1,594	3,037
District of Columbia	--	--	--	--
Florida	98,620	86,390	74,272	81,404
Georgia	22,117	25,712	25,962	29,248
Hawaii	--	--	--	--
Idaho	1,276	857	438	2,272
Illinois	5,221	5,789	5,612	5,960
Indiana	9,110	12,997	13,294	11,362
Iowa	728	1,257	1,309	1,354
Kansas	1,027	1,124	947	483
Kentucky	3,307	3,123	5,559	2,282
Louisiana	24,960	23,525	22,235	21,942
Maine	947	1,787	1,294	1,871
Maryland	2,652	1,497	1,389	1,114
Massachusetts	11,249	7,951	6,635	7,223
Michigan	10,626	14,651	14,668	14,221
Minnesota	4,395	4,687	3,496	2,419
Mississippi	20,086	26,796	30,519	26,543
Missouri	2,444	W	2,992	2,715
Montana	498	535	W	557
Nebraska	242	164	W	185
Nevada	15,970	13,336	13,116	12,919
New Hampshire	3,308	3,393	2,236	3,622
New Jersey	18,160	22,976	18,435	19,752
New Mexico	5,744	6,183	5,514	6,628
New York	29,269	39,410	29,469	35,355
North Carolina	19,201	19,153	20,073	21,994
North Dakota	W	W	W	W
Ohio	13,132	19,948	19,594	19,461
Oklahoma	16,903	18,885	20,710	20,692
Oregon	8,202	6,047	3,597	8,155
Pennsylvania	31,691	34,488	26,179	32,578
Rhode Island	2,475	3,176	1,716	2,157
South Carolina	9,540	8,308	7,075	7,192
South Dakota	332	W	495	516
Tennessee	4,485	4,226	6,914	4,753
Texas	118,966	128,933	115,697	128,404
Utah	3,905	3,298	3,411	4,026
Vermont	*	1	2	5
Virginia	12,719	18,261	17,633	17,681
Washington	4,616	4,762	2,245	5,010
West Virginia	806	362	436	260
Wisconsin	6,523	8,768	8,652	7,795
Wyoming	W	W	W	W
Total	668,471	709,358	650,586	714,235

^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.

* Volume is less than 500,000 cubic feet.

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: Energy Information Administration (EIA): Form EIA-923, "Power Plant Operations Report."

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017
(million cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016 Total
				March	February	January	
Alabama	147,524	170,756	179,551	52,906	43,619	51,000	657,303
Alaska	20,346	18,436	23,033	6,472	5,812	8,062	60,244
Arizona	NA	76,120	60,407	16,204	NA	22,454	343,385
Arkansas	68,411	78,434	97,430	23,810	21,156	23,446	288,870
California	NA	555,594	549,203	157,123	170,805	NA	2,106,564
Colorado	116,413	122,834	114,889	31,022	34,511	50,880	353,314
Connecticut	79,519	78,386	88,338	25,893	24,268	29,358	246,701
Delaware	25,357	26,318	28,294	9,106	7,634	8,616	NA
District of Columbia	NA	12,389	16,193	3,399	NA	NA	27,910
Florida	285,129	309,326	292,730	105,105	86,496	93,529	1,361,318
Georgia	184,201	204,560	213,669	59,047	57,526	67,628	702,401
Hawaii	820	754	767	272	258	291	3,043
Idaho	36,531	34,058	26,377	9,303	11,052	16,176	100,808
Illinois	351,086	376,228	427,215	109,986	100,895	140,205	NA
Indiana	221,977	235,717	267,150	73,088	65,027	83,862	729,265
Iowa	110,058	103,743	111,533	35,484	33,642	40,932	317,537
Kansas	NA	72,543	76,765	20,385	NA	29,234	NA
Kentucky	73,744	88,369	95,559	24,827	21,245	27,673	262,674
Louisiana	NA	364,370	333,605	117,010	104,051	NA	1,434,219
Maine	9,961	NA	17,385	3,336	3,125	3,500	NA
Maryland	NA	77,564	92,277	26,338	22,861	NA	NA
Massachusetts	156,356	136,856	163,648	55,671	46,990	53,695	420,697
Michigan	305,393	315,345	362,847	102,444	88,673	114,276	880,231
Minnesota	157,918	162,334	166,259	48,357	47,443	62,118	440,943
Mississippi	117,971	134,074	137,427	43,671	32,364	41,936	NA
Missouri	NA	98,787	116,435	26,050	NA	NA	NA
Montana	25,464	NA	22,833	6,750	7,985	10,729	NA
Nebraska	51,215	47,292	53,922	14,910	16,729	19,577	153,475
Nevada	77,579	80,452	68,265	22,094	24,438	31,047	NA
New Hampshire	13,621	NA	21,775	4,997	3,946	4,679	NA
New Jersey	NA	247,688	296,418	NA	NA	NA	768,264
New Mexico	NA	47,543	46,786	NA	12,949	18,078	157,692
New York	443,715	430,229	532,755	153,544	133,369	156,802	1,293,686
North Carolina	141,961	163,272	155,766	48,230	42,694	51,038	521,061
North Dakota	21,104	19,432	20,296	6,774	6,212	8,117	62,865
Ohio	306,601	333,569	407,408	99,941	91,084	115,576	899,290
Oklahoma	125,115	145,913	162,447	38,200	36,636	50,280	557,708
Oregon	73,245	69,391	55,587	17,805	22,219	33,222	232,404
Pennsylvania	326,026	337,103	382,001	108,145	99,578	118,303	1,082,675
Rhode Island	NA	25,093	27,936	9,227	NA	9,000	84,118
South Carolina	67,995	73,651	70,368	23,586	21,020	23,389	272,222
South Dakota	23,073	23,200	23,537	6,715	7,106	9,253	74,430
Tennessee	98,522	109,249	119,772	32,851	29,326	36,346	325,351
Texas	NA	911,923	966,412	265,896	NA	NA	NA
Utah	62,745	67,707	55,364	14,579	18,241	29,925	199,436
Vermont	4,596	4,255	5,077	1,582	1,400	1,614	NA
Virginia	NA	156,328	161,816	NA	47,099	NA	525,026
Washington	104,847	92,763	76,552	29,136	31,854	43,856	292,561
West Virginia	28,301	30,965	34,931	9,340	8,550	10,411	89,981
Wisconsin	162,169	173,107	184,806	52,859	47,044	62,266	476,137
Wyoming	25,801	22,409	21,721	7,900	8,125	9,776	75,718
Total	7,134,164	7,518,323	8,033,535	2,312,475	2,138,886	2,682,803	25,262,763

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017
(million cubic feet) – continued

State	2016						
	December	November	October	September	August	July	June
Alabama	55,914	49,901	49,258	56,287	59,879	61,004	56,493
Alaska	7,467	6,557	5,385	4,082	3,638	3,397	3,318
Arizona	20,288	18,949	26,102	33,314	40,449	40,916	36,028
Arkansas	26,948	23,618	19,372	18,750	25,978	25,370	26,475
California	215,161	175,318	167,442	171,064	189,906	176,235	164,171
Colorado	48,034	29,688	20,757	17,089	19,711	21,121	20,147
Connecticut	27,640	21,659	16,623	15,057	17,380	16,791	14,450
Delaware	8,753	NA	9,278	8,687	10,410	10,826	9,102
District of Columbia	4,226	2,580	1,303	945	981	999	983
Florida	93,114	91,754	110,774	122,176	133,920	135,937	127,213
Georgia	66,916	51,691	46,436	49,191	59,172	60,816	57,546
Hawaii	263	253	250	264	264	255	240
Idaho	14,611	8,280	7,184	6,826	7,159	6,264	5,389
Illinois	146,835	80,513	59,358	47,517	53,068	NA	NA
Indiana	90,885	59,841	44,690	44,148	48,791	49,010	47,485
Iowa	41,599	27,618	22,144	18,464	20,861	20,333	18,925
Kansas	30,489	17,770	13,190	13,061	16,569	15,890	14,657
Kentucky	32,047	21,229	16,771	15,634	18,108	18,006	16,824
Louisiana	120,640	111,838	111,469	115,667	122,101	129,827	121,437
Maine	4,031	3,479	4,064	NA	5,414	5,109	NA
Maryland	NA	15,278	11,332	11,015	15,749	15,193	9,761
Massachusetts	50,370	33,129	25,385	23,440	30,203	30,090	26,938
Michigan	114,061	73,158	53,831	42,514	52,996	47,528	44,645
Minnesota	55,804	35,116	26,351	19,788	27,749	25,754	23,884
Mississippi	44,377	34,286	37,342	46,592	48,964	50,747	NA
Missouri	41,967	20,497	NA	13,253	15,112	15,665	15,487
Montana	10,068	6,683	NA	NA	NA	NA	NA
Nebraska	19,947	13,346	10,525	9,311	11,550	10,915	10,202
Nevada	NA	22,726	20,892	NA	NA	NA	26,088
New Hampshire	5,754	5,411	3,599	4,901	5,482	5,053	NA
New Jersey	88,622	55,717	50,275	47,803	59,913	59,911	50,622
New Mexico	17,744	13,198	11,353	10,648	11,701	12,382	11,183
New York	150,602	102,906	79,105	76,142	96,682	92,474	78,577
North Carolina	51,943	44,497	32,404	35,849	42,365	40,568	35,425
North Dakota	7,172	5,600	5,321	4,264	3,838	3,825	4,155
Ohio	113,891	77,396	54,902	47,406	51,975	50,536	46,353
Oklahoma	52,893	43,295	37,357	42,447	48,076	52,144	50,148
Oregon	32,108	19,183	17,454	19,946	20,428	16,711	14,446
Pennsylvania	122,572	94,415	74,697	71,389	82,582	80,657	71,743
Rhode Island	8,604	6,423	5,182	5,796	6,769	7,030	5,993
South Carolina	23,544	26,486	20,423	22,445	23,406	24,089	20,940
South Dakota	8,903	6,342	5,157	4,683	5,311	4,930	4,666
Tennessee	41,691	23,825	20,575	21,445	23,062	22,501	22,010
Texas	297,242	261,348	268,677	299,478	NA	NA	NA
Utah	27,791	17,077	12,104	10,568	11,175	12,116	11,664
Vermont	1,587	1,082	819	588	567	576	566
Virginia	48,421	42,281	31,822	39,911	49,592	48,172	41,502
Washington	40,019	24,006	21,532	22,220	22,236	19,919	16,658
West Virginia	10,939	8,144	7,053	5,358	4,721	4,939	5,199
Wisconsin	61,446	36,591	26,868	23,355	30,213	28,478	26,941
Wyoming	9,537	7,099	6,033	4,772	4,885	4,801	4,629
Total	2,671,004	1,987,831	1,749,034	1,775,433	2,028,240	2,005,760	1,827,709

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017
(million cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	52,226	45,585	51,989	54,364	64,403	642,961	54,905
Alaska	3,707	4,257	5,533	5,874	7,029	69,642	7,912
Arizona	25,972	25,247	21,868	23,678	30,575	337,347	30,546
Arkansas	22,346	21,580	26,559	23,250	28,625	274,727	23,235
California	146,108	145,566	161,492	172,051	222,051	2,247,961	234,012
Colorado	23,617	30,317	35,484	38,677	48,673	348,183	49,108
Connecticut	17,313	21,402	21,860	27,237	29,289	248,366	22,980
Delaware	7,766	8,823	8,771	8,440	9,107	100,842	7,513
District of Columbia	1,430	2,074	2,466	4,776	5,148	31,502	3,143
Florida	121,380	115,724	107,367	96,563	105,395	1,334,385	105,479
Georgia	53,234	52,837	57,089	67,585	79,886	684,971	56,568
Hawaii	243	256	248	247	259	2,922	250
Idaho	5,617	5,420	9,198	11,078	13,782	99,811	13,907
Illinois	54,757	75,944	97,925	127,574	150,729	966,018	107,693
Indiana	53,081	55,617	66,122	79,192	90,402	710,564	71,835
Iowa	21,026	22,823	28,782	34,429	40,532	308,324	32,862
Kansas	NA	14,364	18,452	23,541	30,549	216,014	25,014
Kentucky	17,231	18,454	24,366	28,846	35,157	252,877	22,855
Louisiana	121,883	114,988	119,996	114,357	130,017	1,357,572	123,012
Maine	NA	NA	NA	NA	NA	51,191	4,275
Maryland	12,492	15,646	19,664	26,802	31,097	207,716	18,805
Massachusetts	29,865	34,421	39,445	46,939	50,473	433,907	36,397
Michigan	55,823	80,329	88,227	108,693	118,425	826,917	85,543
Minnesota	27,611	36,552	43,798	54,853	63,683	422,112	51,546
Mississippi	43,626	NA	38,789	45,335	49,951	496,388	40,342
Missouri	14,738	18,145	22,356	33,852	42,578	262,812	29,364
Montana	3,849	NA	NA	7,307	9,292	67,159	9,224
Nebraska	9,477	10,910	12,626	15,590	19,075	154,420	17,040
Nevada	22,788	21,360	23,087	25,038	32,328	292,860	31,083
New Hampshire	NA	NA	NA	NA	5,947	68,609	5,390
New Jersey	48,734	58,979	68,583	82,039	97,065	746,777	63,365
New Mexico	10,541	11,400	13,166	15,153	19,224	154,224	18,841
New York	84,948	102,021	118,106	146,947	165,176	1,326,168	111,673
North Carolina	34,982	39,758	46,879	55,929	60,463	493,801	42,774
North Dakota	4,296	3,917	5,628	6,186	7,617	58,201	6,170
Ohio	50,174	73,089	85,084	114,448	134,036	938,930	87,546
Oklahoma	44,126	41,309	42,348	44,391	59,174	541,224	55,974
Oregon	10,965	11,771	19,835	22,342	27,214	232,158	28,039
Pennsylvania	68,263	79,252	92,430	114,634	130,040	1,068,687	95,829
Rhode Island	7,025	6,203	8,516	7,975	8,602	90,891	6,915
South Carolina	19,652	17,586	21,550	23,829	28,273	270,601	24,390
South Dakota	5,098	6,141	6,691	7,692	8,816	73,362	8,090
Tennessee	20,020	20,972	27,247	37,176	44,827	305,092	28,917
Texas	281,584	271,540	291,489	287,939	332,495	3,639,217	315,333
Utah	13,165	16,067	17,998	22,060	27,650	187,605	27,899
Vermont	652	NA	1,101	1,459	1,695	11,814	1,173
Virginia	35,734	31,264	42,267	53,524	60,537	484,734	44,396
Washington	16,826	16,382	25,498	29,243	38,022	296,358	37,216
West Virginia	5,815	6,848	8,721	10,183	12,061	86,593	7,416
Wisconsin	29,338	39,801	49,645	57,375	66,088	455,096	49,589
Wyoming	5,612	5,942	6,960	7,178	8,271	72,916	9,340
Total	1,790,212	1,909,219	2,167,141	2,463,394	2,887,788	25,053,530	2,392,722

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017
(million cubic feet) – continued

State	2015						
	November	October	September	August	July	June	May
Alabama	50,654	49,410	50,245	54,988	57,075	53,437	50,554
Alaska	6,892	5,288	4,451	3,768	3,915	3,850	4,209
Arizona	25,902	29,635	35,525	42,566	38,370	35,446	19,112
Arkansas	19,028	14,993	18,137	22,054	22,228	19,318	17,712
California	194,884	186,153	188,710	198,391	192,293	175,938	163,283
Colorado	40,211	22,665	19,007	18,985	18,838	18,092	21,914
Connecticut	19,695	17,358	15,681	17,414	16,767	14,710	15,290
Delaware	6,900	6,916	7,972	8,362	8,947	7,692	8,416
District of Columbia	2,631	1,872	1,147	1,108	1,051	1,150	1,257
Florida	105,863	113,989	118,347	125,914	124,432	119,224	115,263
Georgia	55,916	52,489	49,214	54,775	58,873	52,157	48,145
Hawaii	227	239	232	239	242	244	228
Idaho	11,409	7,662	6,873	7,042	6,456	7,059	6,443
Illinois	84,914	57,574	43,492	42,342	46,090	42,029	46,909
Indiana	59,417	47,975	39,803	42,445	43,269	41,485	45,278
Iowa	25,435	21,652	18,212	18,908	19,651	18,577	19,581
Kansas	18,027	13,375	12,842	15,507	16,099	12,782	12,215
Kentucky	22,310	18,353	15,435	15,694	16,842	14,254	14,566
Louisiana	115,968	112,509	108,810	117,522	117,081	112,740	111,422
Maine	4,385	4,894	3,611	3,870	3,189	2,680	2,947
Maryland	16,625	12,834	9,828	10,463	12,316	10,128	10,703
Massachusetts	31,129	29,657	25,693	31,624	31,449	24,430	26,713
Michigan	70,111	54,392	37,523	37,227	39,331	37,128	41,913
Minnesota	35,699	27,050	22,875	22,081	22,421	20,431	21,217
Mississippi	39,644	37,359	38,613	43,495	46,155	43,778	37,675
Missouri	21,008	13,199	11,960	13,981	14,752	12,603	11,404
Montana	7,727	4,718	3,600	3,660	3,282	3,185	3,979
Nebraska	13,653	10,155	8,664	9,740	11,073	9,402	9,805
Nevada	24,211	23,070	24,570	27,370	24,970	26,056	20,870
New Hampshire	6,040	4,641	4,926	5,573	5,203	4,694	5,020
New Jersey	56,408	46,188	45,403	45,176	47,812	41,731	44,949
New Mexico	14,104	10,676	10,137	12,154	11,297	10,533	8,933
New York	99,041	86,215	79,161	85,884	84,705	72,085	78,894
North Carolina	42,625	35,105	35,545	36,713	37,315	38,201	35,765
North Dakota	5,478	4,432	3,657	3,529	2,971	3,307	4,064
Ohio	73,198	55,280	45,637	48,179	49,618	48,997	51,954
Oklahoma	47,190	36,076	38,004	44,220	45,431	37,815	36,946
Oregon	25,331	18,420	18,235	17,542	17,829	16,730	15,976
Pennsylvania	86,544	78,652	67,108	73,702	74,612	66,802	63,923
Rhode Island	7,674	6,249	4,840	8,375	8,259	7,616	7,400
South Carolina	25,792	22,864	20,308	22,307	23,409	22,960	18,946
South Dakota	6,624	4,860	4,497	5,007	5,209	4,942	5,102
Tennessee	24,198	18,784	18,247	17,841	19,261	19,189	19,168
Texas	272,469	280,076	294,187	335,841	332,168	294,230	276,196
Utah	20,811	10,851	10,250	11,742	11,351	11,805	12,967
Vermont	1,028	876	566	544	587	569	500
Virginia	36,526	27,460	34,375	37,663	40,618	37,847	34,819
Washington	34,685	25,461	22,122	20,118	21,456	19,639	18,108
West Virginia	6,876	6,220	4,954	4,941	5,157	4,777	4,894
Wisconsin	38,889	29,319	23,616	23,421	25,140	22,377	24,878
Wyoming	7,384	5,006	4,538	4,349	4,606	4,767	5,383
Total	2,069,390	1,811,143	1,731,389	1,876,359	1,891,471	1,731,619	1,683,806

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017
(million cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	42,142	52,437	61,057	66,057
Alaska	6,324	7,352	7,022	8,659
Arizona	19,839	17,432	17,874	25,102
Arkansas	20,592	28,589	35,096	33,744
California	165,093	168,376	165,790	215,036
Colorado	24,475	31,756	37,147	45,986
Connecticut	20,133	27,483	28,851	32,004
Delaware	9,831	8,862	8,719	10,713
District of Columbia	1,949	4,306	5,602	6,285
Florida	113,144	101,972	91,489	99,269
Georgia	43,166	57,023	76,097	80,548
Hawaii	254	252	237	278
Idaho	6,583	6,971	7,480	11,926
Illinois	67,759	112,117	158,479	156,620
Indiana	51,908	77,530	95,657	93,962
Iowa	21,913	30,517	40,554	40,462
Kansas	13,388	19,942	27,342	29,481
Kentucky	17,009	25,949	36,526	33,084
Louisiana	104,903	107,129	108,232	118,244
Maine	3,956	5,781	5,330	6,273
Maryland	13,739	25,620	33,717	32,940
Massachusetts	33,166	48,863	57,377	57,408
Michigan	60,901	98,836	133,963	130,049
Minnesota	32,533	46,520	60,554	59,185
Mississippi	31,901	41,991	48,766	46,670
Missouri	18,106	33,925	42,379	40,131
Montana	4,952	6,256	7,389	9,188
Nebraska	10,966	13,910	19,668	20,344
Nevada	22,395	21,001	21,764	25,499
New Hampshire	5,348	6,982	6,674	8,119
New Jersey	59,327	92,127	102,840	101,451
New Mexico	10,762	13,356	15,127	18,302
New York	95,756	165,819	181,039	185,897
North Carolina	33,993	41,817	56,931	57,019
North Dakota	4,298	5,925	7,170	7,202
Ohio	71,113	120,132	144,972	142,304
Oklahoma	37,119	46,576	56,199	59,672
Oregon	18,469	16,821	15,236	23,530
Pennsylvania	79,513	117,862	131,484	132,655
Rhode Island	5,628	9,189	9,181	9,567
South Carolina	19,258	21,226	23,878	25,264
South Dakota	5,493	6,329	8,394	8,814
Tennessee	19,714	29,720	47,266	42,787
Texas	272,306	316,962	299,718	349,733
Utah	14,563	14,589	17,343	23,432
Vermont	895	1,493	1,748	1,836
Virginia	29,214	47,088	58,044	56,684
Washington	21,000	23,696	21,931	30,926
West Virginia	6,427	10,765	12,588	11,578
Wisconsin	33,060	50,438	68,283	66,086
Wyoming	5,822	6,510	6,824	8,387
Total	1,832,097	2,394,119	2,733,026	2,906,390

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

Table 19. Average citygate price, by state, 2015-2017
(dollars per thousand cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016 Total
				March	February	January	
Alabama	4.00	3.14	4.06	3.58	4.23	4.13	3.44
Alaska	NA	6.76	7.19	7.42	7.54	NA	6.75
Arizona	4.61	4.18	4.90	4.95	4.71	4.37	4.07
Arkansas	4.27	3.75	4.48	4.35	4.37	4.17	4.29
California	3.61	2.58	3.41	3.15	3.59	3.87	2.96
Colorado	3.85	3.23	4.15	3.65	3.91	3.92	3.56
Connecticut	4.13	3.29	4.24	3.53	4.45	4.45	3.57
Delaware	4.39	4.01	4.94	4.26	4.62	4.34	4.91
District of Columbia	--	--	--	--	--	--	--
Florida	NA	3.88	5.55	NA	NA	NA	NA
Georgia	4.30	3.29	3.74	3.72	4.43	4.69	3.67
Hawaii	16.29	11.56	16.55	17.38	16.20	15.34	13.81
Idaho	3.19	3.41	4.53	3.31	3.14	3.17	NA
Illinois	3.88	3.05	3.93	4.06	3.56	3.95	NA
Indiana	3.80	3.36	4.18	3.72	3.89	3.81	3.60
Iowa	4.30	3.68	4.57	4.08	4.16	4.55	NA
Kansas	4.12	3.42	4.65	3.99	4.08	4.22	4.08
Kentucky	NA	3.25	4.26	NA	4.19	NA	3.35
Louisiana	NA	3.46	3.92	3.31	3.66	NA	NA
Maine	6.81	8.07	10.75	5.53	7.58	7.36	6.41
Maryland	4.38	3.57	4.93	4.05	4.69	4.43	NA
Massachusetts	NA	3.93	6.03	4.06	NA	4.66	4.49
Michigan	3.69	3.84	4.54	3.48	3.71	3.84	NA
Minnesota	4.13	3.58	4.86	3.77	4.23	4.30	3.71
Mississippi	NA	NA	4.38	3.88	NA	5.02	NA
Missouri	NA	3.41	4.36	NA	4.37	4.21	4.05
Montana	3.36	3.24	4.47	3.54	3.56	3.14	3.04
Nebraska	NA	3.82	4.77	NA	NA	4.36	NA
Nevada	4.32	3.39	4.63	4.01	4.34	4.46	NA
New Hampshire	NA	6.15	9.29	4.37	NA	NA	NA
New Jersey	4.44	3.91	5.14	4.32	4.48	4.52	3.93
New Mexico	NA	2.75	3.63	NA	3.83	3.93	NA
New York	3.67	2.77	3.87	3.33	3.72	3.94	3.57
North Carolina	3.67	2.96	3.85	3.36	3.72	3.87	3.44
North Dakota	4.36	3.76	4.88	3.88	4.53	4.58	3.88
Ohio	NA	3.50	4.80	NA	4.41	4.02	3.27
Oklahoma	4.35	3.63	4.68	4.22	4.26	4.46	3.98
Oregon	NA	3.64	4.77	NA	NA	3.59	NA
Pennsylvania	4.04	3.27	4.22	3.86	4.20	4.08	3.73
Rhode Island	2.17	2.23	3.61	2.20	2.18	2.12	2.12
South Carolina	NA	3.36	4.12	3.96	4.40	NA	3.64
South Dakota	4.20	3.53	4.39	3.79	4.38	4.35	3.65
Tennessee	4.12	3.16	4.26	3.91	4.16	4.24	3.42
Texas	5.14	3.77	4.53	4.85	5.14	5.28	4.09
Utah	5.67	5.86	6.50	5.94	5.97	5.37	5.15
Vermont	NA	6.04	6.69	4.98	5.69	NA	5.13
Virginia	3.97	3.43	4.72	3.98	4.07	3.90	4.00
Washington	NA	NA	4.87	NA	NA	NA	NA
West Virginia	3.54	3.25	4.05	3.32	3.68	3.63	3.47
Wisconsin	4.24	3.77	4.91	3.82	4.39	4.46	3.91
Wyoming	4.16	3.62	5.09	3.88	4.23	4.27	3.53
Total	4.07	3.45	4.48	3.83	4.10	4.22	3.72

See footnotes at end of table.

Table 19. Average citygate price, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State							2016
	December	November	October	September	August	July	June
Alabama	3.78	3.85	4.20	3.89	3.89	3.89	3.34
Alaska	7.29	6.82	7.10	6.32	6.19	6.12	6.03
Arizona	4.74	4.91	4.09	3.92	3.86	4.05	3.31
Arkansas	3.83	4.37	6.02	5.69	6.22	6.68	6.16
California	3.64	3.30	3.51	3.56	3.29	3.34	2.52
Colorado	3.61	3.88	4.73	5.27	4.81	5.16	4.22
Connecticut	3.90	3.31	3.13	4.29	4.20	4.69	4.58
Delaware	4.28	4.17	6.15	8.20	8.50	8.77	8.53
District of Columbia	--	--	--	--	--	--	--
Florida	NA	NA	NA	4.13	3.87	3.69	3.46
Georgia	4.08	4.09	4.34	4.24	4.01	4.32	3.44
Hawaii	14.75	12.93	15.07	14.06	13.33	13.54	17.26
Idaho	3.16	3.29	3.18	3.29	2.69	NA	NA
Illinois	3.63	3.38	4.25	5.19	4.66	4.25	NA
Indiana	3.81	3.60	4.24	4.77	4.89	5.21	4.35
Iowa	4.07	4.16	4.34	4.76	NA	4.64	4.16
Kansas	3.74	4.40	6.60	6.84	5.55	5.33	5.64
Kentucky	3.77	3.53	3.63	3.45	3.26	3.47	2.85
Louisiana	NA	4.23	3.98	4.07	3.85	4.00	3.16
Maine	6.22	6.25	4.24	5.33	4.67	5.29	5.37
Maryland	3.96	4.20	5.42	NA	NA	8.80	7.14
Massachusetts	4.61	4.16	5.36	8.26	6.95	7.49	5.90
Michigan	3.54	3.65	3.53	NA	3.08	3.21	2.74
Minnesota	4.05	4.17	3.71	4.38	4.28	3.88	3.49
Mississippi	4.77	4.14	4.17	3.90	3.79	4.04	3.46
Missouri	3.76	3.91	6.10	6.26	6.79	6.86	5.18
Montana	2.87	3.17	3.33	3.45	3.34	3.12	2.50
Nebraska	3.67	3.99	NA	3.65	3.90	NA	3.17
Nevada	NA	3.70	4.10	4.45	4.76	4.50	3.74
New Hampshire	5.32	4.60	3.80	5.34	NA	6.79	5.79
New Jersey	4.14	3.94	3.75	4.02	3.75	3.92	3.91
New Mexico	NA	3.22	3.62	3.47	3.39	3.50	2.89
New York	3.85	3.40	3.57	6.47	6.94	6.69	5.52
North Carolina	3.72	3.33	4.43	4.76	4.83	5.28	4.38
North Dakota	4.10	4.64	4.51	4.52	4.19	4.36	2.83
Ohio	3.62	3.43	3.09	2.38	2.53	2.69	2.46
Oklahoma	4.04	4.00	5.03	5.29	5.39	5.51	4.77
Oregon	3.69	3.84	NA	5.76	5.08	5.59	4.97
Pennsylvania	3.72	4.13	R3.98	R5.92	R5.57	R6.55	6.36
Rhode Island	1.99	1.96	1.96	2.01	2.03	2.06	2.05
South Carolina	4.44	3.66	4.01	3.94	3.75	3.87	3.43
South Dakota	3.92	4.25	4.20	4.73	4.82	4.47	3.06
Tennessee	3.73	3.90	4.26	3.99	3.64	3.88	3.19
Texas	5.36	5.10	4.93	4.16	4.00	3.94	3.41
Utah	5.35	5.00	4.82	3.86	3.24	3.37	3.58
Vermont	5.11	4.74	4.08	4.21	4.22	4.01	4.24
Virginia	3.74	3.87	5.37	6.50	7.04	6.25	6.42
Washington	3.58	4.14	NA	NA	4.35	4.56	3.57
West Virginia	3.30	3.45	3.73	5.14	5.08	5.59	4.62
Wisconsin	3.88	4.24	4.36	5.18	4.80	5.08	4.12
Wyoming	4.00	3.48	3.76	3.46	3.38	3.19	2.56
Total	3.95	3.89	R4.18	R4.60	4.37	4.45	3.98

See footnotes at end of table.

Table 19. Average citygate price, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	2.99	2.90	3.00	3.18	3.22	3.91	3.27
Alaska	6.21	6.37	6.45	6.85	6.93	6.57	6.53
Arizona	2.77	3.03	4.85	4.60	3.64	4.38	3.65
Arkansas	4.79	4.60	4.53	3.76	3.43	4.77	4.00
California	2.49	2.25	2.30	2.65	2.72	3.27	3.02
Colorado	3.25	2.78	3.43	3.23	3.09	3.98	3.07
Connecticut	3.85	3.20	3.09	3.45	3.27	4.07	3.80
Delaware	6.24	5.03	4.70	3.84	3.81	5.87	4.98
District of Columbia	--	--	--	--	--	--	--
Florida	3.50	3.37	3.83	3.95	3.86	4.75	4.65
Georgia	3.37	3.19	3.21	3.25	3.35	3.83	3.51
Hawaii	16.20	14.19	13.19	10.52	10.93	18.11	14.81
Idaho	3.22	2.79	3.67	3.47	3.20	3.95	3.34
Illinois	3.10	3.39	3.33	2.79	3.12	3.82	3.43
Indiana	3.25	2.91	3.45	3.25	3.42	4.03	3.52
Iowa	3.43	3.41	3.83	3.62	3.65	4.29	3.79
Kansas	4.57	4.41	3.56	3.41	3.38	4.59	3.55
Kentucky	2.93	2.97	3.26	3.26	3.24	3.96	3.85
Louisiana	2.99	3.03	3.32	3.49	3.51	3.32	2.95
Maine	3.81	3.58	7.53	8.85	7.79	8.76	8.01
Maryland	4.57	3.89	4.34	3.52	3.30	5.01	5.19
Massachusetts	4.86	3.94	3.40	4.30	3.93	5.72	5.42
Michigan	2.87	2.91	3.90	3.84	3.80	4.23	3.95
Minnesota	2.98	2.94	3.77	3.65	3.43	4.39	3.65
Mississippi	3.19	3.36	NA	3.85	3.28	4.05	4.29
Missouri	4.79	4.13	3.79	3.36	3.29	4.64	3.48
Montana	2.28	2.42	3.03	3.43	3.23	3.71	3.25
Nebraska	3.00	3.14	4.16	3.80	3.65	4.32	3.23
Nevada	3.19	3.16	3.18	3.56	3.38	4.06	3.15
New Hampshire	3.87	2.72	3.57	7.03	7.02	7.64	6.40
New Jersey	3.80	3.81	3.98	3.94	3.84	4.87	4.27
New Mexico	2.43	2.23	2.75	2.80	2.72	3.32	2.76
New York	4.26	3.03	2.84	2.92	2.62	4.15	3.56
North Carolina	3.71	3.21	3.10	2.87	2.98	3.81	3.10
North Dakota	2.71	2.97	3.65	3.84	3.76	4.46	3.94
Ohio	2.61	2.41	3.09	3.55	3.60	4.49	3.75
Oklahoma	3.83	3.73	3.58	3.69	3.62	4.59	3.86
Oregon	4.47	3.97	3.48	3.79	3.64	4.65	3.72
Pennsylvania	4.35	3.28	3.98	3.18	3.04	4.38	4.10
Rhode Island	2.09	2.14	2.22	2.24	2.23	3.14	2.21
South Carolina	3.08	3.37	3.41	3.27	3.42	3.90	3.48
South Dakota	2.28	2.47	3.40	3.49	3.65	4.16	4.01
Tennessee	3.02	2.97	3.09	3.14	3.21	4.06	3.45
Texas	3.20	3.20	3.60	3.87	3.79	4.19	4.37
Utah	4.60	4.63	6.06	6.05	5.61	5.70	5.96
Vermont	4.96	4.85	6.93	5.98	5.52	6.33	5.93
Virginia	4.38	3.92	3.72	3.31	3.40	4.87	4.36
Washington	3.85	3.43	NA	3.63	3.21	4.42	3.46
West Virginia	3.43	3.22	3.27	3.38	3.14	4.00	3.63
Wisconsin	3.67	3.16	3.73	3.92	3.67	4.71	3.96
Wyoming	3.07	3.10	3.47	3.75	3.62	4.36	3.89
Total	3.45	3.22	3.49	3.48	3.40	4.26	3.75

See footnotes at end of table.

Table 19. Average citygate price, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State							2015
	November	October	September	August	July	June	May
Alabama	3.61	3.83	3.81	4.04	3.94	3.96	3.84
Alaska	6.56	6.11	5.90	5.80	5.60	5.61	5.80
Arizona	4.42	4.25	4.48	4.53	4.55	4.29	3.81
Arkansas	4.16	5.63	5.58	6.92	7.11	6.56	5.52
California	3.08	3.32	3.42	3.55	3.56	3.42	2.96
Colorado	3.24	4.60	5.60	5.59	5.33	5.20	4.22
Connecticut	3.36	3.58	4.59	4.45	4.58	4.58	4.49
Delaware	5.14	6.54	10.35	10.03	10.56	10.05	9.71
District of Columbia	--	--	--	--	--	--	--
Florida	3.92	4.17	4.53	4.44	4.87	5.12	3.85
Georgia	3.37	3.80	4.14	4.16	4.16	4.23	3.93
Hawaii	14.92	14.59	15.38	17.72	22.97	25.54	22.92
Idaho	3.52	3.75	3.67	4.50	4.65	3.99	3.81
Illinois	3.17	3.61	4.91	4.75	5.12	4.09	3.95
Indiana	3.62	3.68	4.58	4.82	4.57	4.61	4.26
Iowa	3.81	3.58	4.62	4.61	4.54	3.63	4.32
Kansas	3.94	5.53	6.43	5.66	5.39	6.04	5.72
Kentucky	3.21	3.41	3.34	3.41	3.44	3.97	3.78
Louisiana	2.62	2.95	3.08	3.28	3.48	3.22	3.04
Maine	7.52	4.38	5.52	5.39	9.76	7.37	7.25
Maryland	4.26	4.07	7.19	8.89	7.53	6.67	5.94
Massachusetts	4.42	4.62	7.59	7.15	7.30	6.25	6.74
Michigan	3.87	3.65	3.60	3.82	3.82	3.92	3.71
Minnesota	4.06	3.51	4.49	4.52	4.68	4.29	3.66
Mississippi	3.02	3.68	3.64	3.82	3.81	3.83	3.64
Missouri	3.86	5.33	6.73	7.26	7.35	6.97	6.51
Montana	2.87	3.28	3.10	3.36	3.43	3.24	3.56
Nebraska	3.83	4.04	4.68	4.16	4.11	3.65	4.71
Nevada	3.57	4.40	4.38	4.64	4.53	4.15	3.89
New Hampshire	4.34	3.59	5.90	7.17	7.87	9.74	5.52
New Jersey	4.30	4.37	5.00	4.84	4.70	4.78	4.73
New Mexico	2.80	3.34	3.57	3.74	3.64	3.55	3.17
New York	3.54	4.57	7.12	7.07	7.01	6.26	5.72
North Carolina	2.79	3.88	4.43	4.68	4.64	4.62	4.46
North Dakota	4.16	4.58	5.00	4.32	3.56	3.59	3.46
Ohio	3.45	3.02	2.34	3.04	3.24	3.98	4.21
Oklahoma	4.22	5.28	5.45	5.43	5.17	4.82	4.23
Oregon	3.92	5.15	5.19	5.84	6.30	5.36	5.37
Pennsylvania	4.24	3.79	6.30	6.22	5.85	5.60	6.65
Rhode Island	2.22	2.24	2.31	2.41	2.52	2.66	2.83
South Carolina	3.20	3.56	4.01	3.96	3.97	4.07	4.09
South Dakota	4.19	4.60	4.72	4.44	4.11	3.81	3.01
Tennessee	3.49	3.80	4.03	4.00	4.12	4.14	4.60
Texas	3.90	4.17	3.73	3.86	3.94	3.71	3.58
Utah	4.84	5.49	4.18	3.96	4.34	3.99	5.69
Vermont	5.08	4.59	5.96	6.34	6.39	7.22	8.35
Virginia	4.07	4.75	5.61	7.36	7.00	6.62	6.69
Washington	3.51	4.25	5.08	5.84	5.29	5.24	5.10
West Virginia	3.57	3.60	4.77	4.72	5.37	4.49	4.06
Wisconsin	4.21	4.25	5.61	5.95	5.68	5.79	4.47
Wyoming	3.88	4.09	3.89	3.50	3.06	3.55	4.32
Total	3.68	4.00	4.56	4.59	4.65	4.44	4.24

See footnotes at end of table.

Table 19. Average citygate price, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	4.08	4.12	3.89	4.18
Alaska	6.22	6.86	7.21	7.43
Arizona	3.95	5.45	5.08	4.52
Arkansas	6.31	4.87	4.27	4.48
California	3.13	3.27	3.30	3.58
Colorado	4.11	4.45	4.24	3.92
Connecticut	3.28	3.89	4.50	4.26
Delaware	6.31	4.89	5.29	4.62
District of Columbia	--	--	--	--
Florida	5.24	6.30	5.25	5.33
Georgia	4.04	3.81	3.56	3.89
Hawaii	19.95	18.30	17.90	13.58
Idaho	3.42	4.86	4.66	4.27
Illinois	3.54	3.81	4.06	3.87
Indiana	3.55	4.23	4.09	4.23
Iowa	4.12	4.69	4.26	4.81
Kansas	3.64	4.35	4.25	5.27
Kentucky	3.75	4.24	4.04	4.48
Louisiana	3.08	3.69	3.86	4.15
Maine	6.30	9.28	11.79	10.83
Maryland	4.14	4.40	5.60	4.61
Massachusetts	3.93	4.96	7.43	5.44
Michigan	3.84	4.38	4.55	4.63
Minnesota	3.83	5.36	4.69	4.72
Mississippi	3.46	6.03	3.63	4.37
Missouri	5.47	4.50	4.24	4.41
Montana	3.44	4.54	4.34	4.53
Nebraska	3.93	4.87	4.29	5.19
Nevada	3.95	4.70	4.79	4.49
New Hampshire	4.46	6.46	10.71	10.03
New Jersey	4.48	5.09	5.64	4.66
New Mexico	3.56	3.77	3.56	3.62
New York	2.94	3.19	4.43	3.84
North Carolina	4.05	3.71	3.87	3.90
North Dakota	4.08	4.85	4.77	5.03
Ohio	4.51	4.79	4.78	4.83
Oklahoma	4.34	4.46	4.44	5.21
Oregon	4.68	4.83	4.84	4.67
Pennsylvania	4.51	4.28	4.10	4.30
Rhode Island	3.09	3.59	3.63	3.61
South Carolina	4.11	4.11	4.02	4.23
South Dakota	3.21	4.02	4.46	4.57
Tennessee	3.95	4.32	4.17	4.30
Texas	3.74	4.17	4.31	4.93
Utah	5.99	6.40	6.81	6.35
Vermont	6.55	6.62	6.84	6.59
Virginia	4.52	4.01	5.33	4.56
Washington	4.19	4.96	4.89	4.79
West Virginia	3.62	3.99	4.04	4.13
Wisconsin	4.10	4.98	4.76	5.01
Wyoming	4.31	4.67	4.95	5.52
Total	3.93	4.36	4.57	4.48

^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: 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, 2015-2017
(dollars per thousand cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016 Total
				March	February	January	
Alabama	14.16	11.77	12.38	14.71	14.63	13.43	14.05
Alaska	9.55	8.98	9.60	9.59	9.63	9.46	9.81
Arizona	NA	13.65	16.63	15.18	NA	12.57	15.19
Arkansas	11.54	9.66	10.50	12.72	12.00	10.56	11.35
California	12.86	11.26	11.53	12.48	12.73	13.17	11.91
Colorado	7.29	6.38	8.14	7.93	7.45	6.87	7.38
Connecticut	12.62	10.86	11.25	12.31	13.19	12.39	12.91
Delaware	11.19	9.99	11.28	11.55	11.25	10.85	11.88
District of Columbia	NA	10.01	11.21	12.22	11.43	NA	11.38
Florida	NA	16.69	16.45	19.77	18.71	NA	19.25
Georgia	13.76	11.22	11.52	14.49	14.36	12.82	NA
Hawaii	37.71	34.65	37.75	38.69	37.91	36.66	36.40
Idaho	7.47	8.24	8.80	8.04	7.50	7.20	8.11
Illinois	7.84	6.28	7.01	7.88	8.32	7.51	7.88
Indiana	7.93	6.74	8.18	7.70	8.59	7.63	NA
Iowa	7.80	6.71	7.43	7.75	8.02	7.66	NA
Kansas	9.42	7.88	9.12	10.18	10.00	8.64	NA
Kentucky	10.08	7.93	9.14	10.43	10.92	9.27	10.12
Louisiana	12.08	9.40	9.14	13.06	12.64	11.19	11.56
Maine	13.49	13.06	17.62	13.03	13.70	13.71	NA
Maryland	11.71	10.02	10.64	11.15	12.59	11.48	11.75
Massachusetts	13.07	11.93	13.48	13.00	13.21	13.00	12.57
Michigan	7.71	7.48	8.47	7.72	7.92	7.54	8.14
Minnesota	7.98	7.19	8.66	7.67	8.11	8.10	7.98
Mississippi	10.63	8.53	8.21	10.90	10.94	10.27	10.23
Missouri	9.08	8.35	9.45	10.48	9.23	8.27	10.93
Montana	7.07	6.88	8.24	7.37	7.28	6.73	7.26
Nebraska	7.69	6.59	8.05	7.88	7.94	7.39	7.98
Nevada	7.20	9.67	11.04	7.76	7.10	6.96	10.23
New Hampshire	13.22	12.81	16.27	12.75	13.60	13.26	NA
New Jersey	8.44	7.11	7.71	8.67	8.23	8.42	8.32
New Mexico	7.82	6.54	7.70	7.91	7.94	7.66	8.04
New York	10.47	9.76	9.86	10.72	10.96	9.80	10.83
North Carolina	NA	9.47	9.58	NA	13.88	11.81	NA
North Dakota	6.35	5.73	7.45	6.48	6.81	5.94	7.21
Ohio	NA	6.62	7.73	7.78	NA	7.19	9.13
Oklahoma	8.30	7.13	7.81	10.28	8.77	7.12	10.58
Oregon	9.66	11.29	12.05	10.38	9.79	9.18	NA
Pennsylvania	NA	8.86	10.30	10.35	10.35	NA	10.13
Rhode Island	12.69	12.56	13.06	12.79	12.72	12.58	13.80
South Carolina	13.56	10.17	9.75	11.90	15.19	13.63	12.68
South Dakota	7.37	6.62	7.75	7.52	7.87	6.94	7.62
Tennessee	9.12	7.44	8.29	9.69	9.36	8.62	NA
Texas	10.59	8.23	8.20	12.36	10.76	9.67	NA
Utah	8.72	8.87	9.86	9.18	8.79	8.40	9.12
Vermont	12.49	12.79	13.27	12.42	12.37	12.69	14.15
Virginia	NA	9.39	10.06	NA	12.27	10.67	11.14
Washington	9.99	9.70	11.73	10.26	10.06	9.77	NA
West Virginia	8.35	8.42	9.82	8.48	8.41	8.21	9.26
Wisconsin	7.74	7.38	8.36	7.50	7.57	8.06	8.08
Wyoming	7.94	7.49	8.84	8.50	8.08	7.50	NA
Total	9.73	8.56	9.29	9.90	10.05	9.38	10.06

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State							2016
	December	November	October	September	August	July	June
Alabama	14.27	19.09	21.22	21.13	21.26	20.57	19.30
Alaska	9.51	9.73	10.07	11.36	12.66	12.98	12.14
Arizona	12.63	15.60	18.61	20.69	22.29	21.49	19.48
Arkansas	10.83	17.74	18.42	19.07	18.86	17.01	15.57
California	13.16	12.40	13.39	13.34	12.90	11.97	11.37
Colorado	6.48	7.42	9.75	12.12	14.28	14.02	12.51
Connecticut	11.73	13.28	16.63	22.18	24.07	21.75	19.19
Delaware	11.53	13.74	19.78	22.48	24.20	21.34	17.54
District of Columbia	10.97	13.87	13.09	19.45	20.11	18.38	15.35
Florida	17.85	20.38	23.28	23.87	24.82	24.18	22.59
Georgia	12.31	16.53	25.30	NA	25.99	25.97	24.64
Hawaii	37.48	34.09	37.47	35.35	34.86	34.76	42.55
Idaho	7.19	7.34	8.21	9.46	10.13	9.85	9.77
Illinois	6.75	8.71	12.17	16.73	17.33	16.50	12.62
Indiana	6.33	8.38	11.79	17.47	18.38	18.70	16.30
Iowa	6.93	10.22	NA	16.31	17.63	16.05	13.28
Kansas	NA	NA	18.32	19.93	21.71	20.10	18.90
Kentucky	8.63	11.42	19.41	22.87	24.40	23.01	20.11
Louisiana	11.23	15.24	16.56	16.17	16.97	16.27	14.16
Maine	NA	13.32	15.77	NA	22.81	21.90	18.01
Maryland	11.14	13.43	17.66	20.58	21.29	20.13	16.04
Massachusetts	13.27	13.38	13.82	15.10	15.35	14.55	12.84
Michigan	7.32	7.95	9.34	12.76	14.50	13.25	12.32
Minnesota	7.28	7.95	9.47	13.15	13.32	13.45	11.67
Mississippi	9.01	13.66	16.14	15.44	16.26	15.93	14.15
Missouri	9.07	15.24	21.68	23.99	26.38	24.82	19.70
Montana	6.72	7.35	7.91	10.04	11.09	10.30	8.34
Nebraska	7.03	10.04	13.26	15.67	16.07	14.98	12.33
Nevada	7.57	9.70	11.49	13.81	14.42	14.63	12.99
New Hampshire	NA	14.97	19.46	24.66	24.61	23.02	18.19
New Jersey	8.50	9.11	10.38	11.90	12.27	11.49	10.78
New Mexico	7.60	10.06	12.57	14.34	15.18	13.85	11.38
New York	9.59	10.91	14.83	17.32	17.86	16.65	14.69
North Carolina	10.62	11.90	18.56	NA	NA	22.54	19.64
North Dakota	5.69	6.97	8.50	16.30	20.07	20.52	19.22
Ohio	7.91	10.14	18.80	26.09	27.29	25.47	19.24
Oklahoma	8.38	18.87	24.83	26.11	29.01	24.73	19.82
Oregon	9.28	NA	11.60	14.16	16.28	NA	15.63
Pennsylvania	9.16	10.56	13.51	18.78	19.38	18.24	15.54
Rhode Island	13.03	14.27	17.92	20.26	20.37	19.20	16.89
South Carolina	11.67	13.61	22.25	25.36	25.66	26.97	24.19
South Dakota	6.76	9.62	10.49	13.40	14.20	13.53	11.38
Tennessee	8.75	12.14	NA	17.53	18.91	17.06	14.76
Texas	10.73	18.47	20.14	21.01	22.75	19.33	NA
Utah	8.99	9.90	9.23	10.12	10.75	10.67	9.81
Vermont	13.13	14.31	18.75	22.57	23.02	21.11	18.40
Virginia	10.64	12.99	16.38	21.29	21.37	19.95	15.54
Washington	9.69	10.65	11.11	13.41	15.55	NA	NA
West Virginia	8.22	8.92	11.65	16.69	18.41	17.03	15.58
Wisconsin	7.41	8.26	9.20	14.30	15.05	14.32	10.57
Wyoming	7.31	8.76	10.24	15.66	16.52	NA	11.00
Total	9.06	10.76	13.74	16.81	17.63	16.57	14.45

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	17.16	14.45	12.15	11.26	12.14	14.13	14.48
Alaska	10.41	9.63	9.09	8.99	8.87	9.64	8.76
Arizona	17.44	16.54	18.06	13.83	11.99	17.04	12.75
Arkansas	13.88	11.01	10.44	9.16	9.65	11.58	10.48
California	11.52	10.50	10.60	11.53	11.46	11.39	11.38
Colorado	7.09	6.87	6.71	6.48	6.10	8.27	6.48
Connecticut	15.03	12.87	11.74	10.67	10.34	12.50	11.84
Delaware	13.44	11.47	10.24	9.71	10.09	12.62	11.09
District of Columbia	12.56	10.55	10.72	9.53	9.96	11.98	10.25
Florida	20.69	17.98	17.20	16.13	16.92	19.55	19.43
Georgia	20.07	16.27	12.90	10.90	10.74	14.62	13.97
Hawaii	39.90	36.85	36.99	33.65	33.36	40.08	38.28
Idaho	9.18	8.91	8.76	8.20	7.97	8.59	7.87
Illinois	10.49	7.53	7.08	6.30	5.84	7.97	6.30
Indiana	9.95	NA	7.97	6.33	6.50	8.92	6.93
Iowa	8.74	NA	7.33	6.52	6.52	8.51	7.31
Kansas	13.40	11.06	9.41	7.89	7.26	10.17	7.79
Kentucky	14.80	10.30	8.73	7.60	7.83	10.87	9.35
Louisiana	13.40	11.33	10.51	8.70	9.43	10.91	10.90
Maine	13.48	12.57	12.99	13.08	13.12	16.79	13.17
Maryland	12.63	11.48	11.02	9.44	9.93	12.03	13.09
Massachusetts	12.46	12.02	11.70	12.08	11.99	13.02	12.69
Michigan	9.28	7.72	7.69	7.56	7.29	8.81	7.57
Minnesota	9.83	7.59	7.63	7.10	7.02	8.79	7.12
Mississippi	13.16	10.94	9.17	8.09	8.57	9.70	9.70
Missouri	15.58	11.31	9.30	8.12	7.98	11.60	9.51
Montana	7.18	6.75	7.00	6.88	6.80	8.26	6.85
Nebraska	9.22	7.60	6.99	6.49	6.43	8.86	6.83
Nevada	11.92	11.25	10.84	9.75	9.12	11.82	8.96
New Hampshire	13.97	12.22	11.76	12.70	14.05	16.18	15.06
New Jersey	9.49	8.99	8.24	6.86	6.55	8.32	7.80
New Mexico	8.73	7.48	7.06	6.44	6.35	8.63	6.76
New York	10.98	9.87	9.63	9.43	10.28	11.20	11.43
North Carolina	16.44	13.13	12.63	9.07	8.77	11.57	12.87
North Dakota	9.53	6.91	6.31	5.61	5.50	8.15	5.60
Ohio	11.70	8.02	7.14	6.43	6.46	9.51	7.40
Oklahoma	16.74	10.97	8.93	6.82	6.54	10.24	7.34
Oregon	15.03	13.59	11.93	11.91	10.43	12.43	10.84
Pennsylvania	11.32	9.86	9.46	8.60	8.70	11.04	9.82
Rhode Island	14.49	13.42	12.64	12.35	12.73	14.24	13.49
South Carolina	18.70	15.24	13.53	9.79	9.07	12.65	15.36
South Dakota	7.76	6.89	7.16	6.61	6.31	8.30	6.63
Tennessee	12.45	9.50	7.86	7.25	7.38	9.62	9.22
Texas	16.33	11.63	10.02	7.79	7.77	10.62	9.31
Utah	8.89	8.96	9.50	8.79	8.58	9.72	8.75
Vermont	14.26	13.30	12.66	12.53	13.24	14.56	13.84
Virginia	12.71	10.65	10.21	8.78	9.47	11.64	12.14
Washington	9.90	9.45	9.96	10.22	9.18	11.80	9.74
West Virginia	11.73	9.36	8.82	8.31	8.31	10.48	8.86
Wisconsin	8.64	7.58	7.40	7.25	7.46	8.54	7.46
Wyoming	8.49	8.23	7.60	7.61	7.32	9.33	7.05
Total	11.60	9.64	9.19	8.39	8.32	10.38	9.27

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015						
	November	October	September	August	July	June	May
Alabama	17.89	19.36	20.73	20.86	20.60	19.61	17.89
Alaska	8.86	9.40	9.81	11.41	11.66	11.29	10.87
Arizona	14.57	20.78	23.02	24.02	23.60	21.54	19.21
Arkansas	13.97	17.62	18.98	19.43	17.76	16.16	13.91
California	10.31	11.54	11.92	11.86	11.69	11.73	11.35
Colorado	6.92	9.31	13.17	13.68	14.38	11.28	9.25
Connecticut	12.53	15.33	21.54	19.36	18.26	17.41	14.40
Delaware	14.03	18.50	23.22	23.75	21.80	20.74	16.05
District of Columbia	12.06	15.52	17.40	17.38	16.93	16.63	14.34
Florida	21.87	23.71	24.76	24.94	24.67	22.91	21.53
Georgia	14.73	19.81	24.96	24.03	24.71	23.63	19.84
Hawaii	38.53	37.46	36.41	37.50	45.21	48.71	45.31
Idaho	7.71	8.90	9.53	10.93	10.69	10.08	9.21
Illinois	7.13	9.70	15.39	16.41	15.13	13.63	11.47
Indiana	7.34	9.29	15.25	17.74	17.99	17.88	13.44
Iowa	8.43	13.18	16.44	17.39	15.71	13.02	10.07
Kansas	7.97	14.33	19.63	20.74	19.33	17.65	14.49
Kentucky	10.99	16.11	21.00	22.21	23.11	21.52	17.11
Louisiana	13.82	15.07	15.86	16.50	15.46	14.98	13.55
Maine	12.75	15.03	21.77	22.85	20.77	17.13	16.58
Maryland	12.69	13.48	19.36	19.04	18.40	18.32	16.78
Massachusetts	11.18	10.75	13.26	13.82	13.29	12.18	12.74
Michigan	7.91	8.96	13.26	13.57	13.69	12.54	10.54
Minnesota	7.67	9.27	12.68	12.93	13.22	13.46	10.59
Mississippi	12.11	13.94	15.36	15.79	14.84	14.40	12.92
Missouri	13.97	20.52	23.90	25.52	24.26	20.79	17.02
Montana	7.39	9.07	11.11	11.86	11.75	10.06	8.48
Nebraska	9.43	13.81	15.57	15.66	14.76	12.18	10.32
Nevada	10.80	14.95	16.14	16.41	16.72	15.51	14.34
New Hampshire	14.11	17.88	22.91	22.68	19.23	16.48	15.12
New Jersey	9.03	10.24	12.30	12.42	11.96	11.35	9.56
New Mexico	8.27	13.08	14.85	14.92	14.55	11.79	9.92
New York	12.26	14.24	17.50	17.30	17.09	16.26	12.68
North Carolina	12.15	14.61	21.77	21.94	21.14	20.97	17.62
North Dakota	6.56	9.57	16.93	19.37	21.03	17.34	10.19
Ohio	9.68	15.37	24.33	25.48	23.85	19.97	13.50
Oklahoma	14.37	23.34	25.17	26.60	23.07	19.17	15.76
Oregon	12.69	13.54	14.45	17.09	16.20	15.54	14.00
Pennsylvania	10.53	12.23	18.26	18.56	17.76	15.77	13.63
Rhode Island	15.48	19.04	21.00	20.94	19.74	17.85	15.79
South Carolina	14.91	16.37	23.95	22.77	24.65	24.58	21.23
South Dakota	8.04	10.43	14.36	14.99	14.53	12.35	9.18
Tennessee	11.74	14.40	17.34	19.64	17.59	16.13	14.17
Texas	15.49	19.18	20.90	21.08	18.26	16.56	15.76
Utah	9.22	10.85	10.89	10.84	10.69	9.90	9.54
Vermont	14.89	18.41	23.16	23.04	21.69	19.41	15.81
Virginia	11.77	15.88	19.54	21.20	20.34	19.54	15.69
Washington	9.87	13.00	14.48	17.17	16.98	16.72	14.22
West Virginia	9.62	12.22	17.56	19.08	19.83	17.05	12.88
Wisconsin	7.98	8.51	12.94	14.20	13.41	13.24	9.38
Wyoming	8.44	12.66	15.66	16.07	15.70	11.34	9.65
Total	10.02	12.60	16.40	16.89	16.28	15.07	12.73

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	15.37	12.15	12.21	12.80
Alaska	10.03	9.68	9.64	9.51
Arizona	18.94	18.94	18.88	14.36
Arkansas	11.66	9.99	10.90	10.65
California	10.93	11.29	11.53	11.68
Colorado	8.07	8.50	7.97	8.05
Connecticut	12.54	11.00	11.10	11.67
Delaware	12.74	11.27	11.33	11.23
District of Columbia	12.16	11.94	10.50	11.34
Florida	19.02	16.40	16.15	16.83
Georgia	15.91	12.21	11.05	11.66
Hawaii	40.85	39.78	38.87	35.07
Idaho	8.86	9.12	8.79	8.64
Illinois	8.42	7.45	6.46	7.30
Indiana	10.66	9.24	7.55	8.13
Iowa	8.50	7.75	7.14	7.52
Kansas	13.64	9.74	8.59	9.20
Kentucky	12.94	8.96	8.92	9.48
Louisiana	11.26	8.83	9.21	9.34
Maine	17.33	17.52	17.45	17.91
Maryland	11.48	10.71	10.10	11.18
Massachusetts	12.71	12.44	13.59	14.51
Michigan	8.89	8.37	8.39	8.61
Minnesota	8.85	9.45	8.23	8.56
Mississippi	10.53	8.23	8.25	8.14
Missouri	12.66	9.26	9.63	9.45
Montana	8.25	8.06	8.21	8.39
Nebraska	9.15	7.91	7.89	8.31
Nevada	13.30	11.84	11.40	10.42
New Hampshire	15.10	15.33	16.20	17.43
New Jersey	7.33	7.49	7.82	7.81
New Mexico	8.92	7.56	7.37	8.05
New York	10.19	9.34	9.79	10.51
North Carolina	14.25	10.08	8.93	10.05
North Dakota	8.59	7.52	7.02	7.85
Ohio	9.15	7.76	7.54	7.91
Oklahoma	12.21	7.52	8.07	7.83
Oregon	11.78	13.23	12.37	11.18
Pennsylvania	10.81	10.03	10.31	10.53
Rhode Island	13.88	13.07	12.93	13.23
South Carolina	16.92	10.67	8.83	10.20
South Dakota	8.46	8.04	7.58	7.71
Tennessee	10.41	7.57	8.47	8.72
Texas	11.59	7.93	7.94	8.63
Utah	9.98	9.99	10.40	9.44
Vermont	13.73	13.09	13.00	13.79
Virginia	11.62	10.17	9.31	10.81
Washington	12.22	12.05	11.82	11.45
West Virginia	10.93	9.90	9.79	9.80
Wisconsin	6.93	8.38	8.11	8.60
Wyoming	9.49	8.78	8.98	8.77
Total	10.44	9.28	9.08	9.50

^{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: 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, 2015-2017
(dollars per thousand cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016
				March	February	January	Total
Alabama	11.55	9.99	10.81	11.72	11.61	11.38	NA
Alaska	8.74	7.87	8.42	8.74	8.69	8.78	8.34
Arizona	8.39	9.27	11.24	8.84	8.23	8.19	8.80
Arkansas	8.08	7.10	8.72	8.42	8.29	7.74	NA
California	9.51	8.22	8.75	9.50	9.37	9.64	8.44
Colorado	6.80	5.90	7.65	7.09	6.91	6.56	6.44
Connecticut	8.81	NA	8.02	8.34	9.53	8.62	NA
Delaware	9.83	8.70	10.18	10.00	9.85	9.68	9.58
District of Columbia	NA	9.65	11.12	11.58	NA	NA	10.31
Florida	11.47	10.60	11.00	11.56	11.67	11.19	10.58
Georgia	8.38	6.89	8.23	8.44	8.68	8.10	7.66
Hawaii	29.08	25.04	29.08	29.62	29.34	28.33	27.02
Idaho	6.54	7.24	7.78	6.93	6.60	6.34	7.10
Illinois	7.22	5.87	6.57	7.27	7.62	6.93	NA
Indiana	7.19	6.00	7.50	6.87	7.72	7.07	NA
Iowa	6.37	5.47	6.40	6.15	6.44	6.45	NA
Kansas	8.86	7.25	8.55	9.36	9.21	8.41	NA
Kentucky	8.34	6.65	8.16	8.67	8.86	7.76	7.85
Louisiana	NA	7.88	8.47	NA	NA	NA	NA
Maine	11.24	11.12	16.12	10.82	11.34	11.54	10.70
Maryland	9.64	8.41	9.48	9.29	10.05	9.59	9.06
Massachusetts	NA	9.33	11.72	NA	9.92	9.77	9.47
Michigan	6.73	6.57	7.53	6.77	6.83	6.62	6.86
Minnesota	6.83	6.23	7.72	6.36	6.93	7.08	6.42
Mississippi	9.26	7.80	7.86	8.98	9.41	9.34	7.85
Missouri	7.54	7.08	8.59	8.12	7.53	7.24	7.91
Montana	7.00	6.83	8.28	7.20	7.23	6.70	7.09
Nebraska	6.41	5.43	7.06	6.31	6.62	6.30	5.47
Nevada	5.08	7.45	8.76	5.14	5.02	5.09	6.84
New Hampshire	11.19	10.49	14.38	10.63	11.68	11.26	11.36
New Jersey	9.19	7.65	8.78	8.95	8.97	9.58	7.94
New Mexico	6.21	5.15	6.16	6.00	6.41	6.18	5.76
New York	7.08	6.52	7.26	7.04	7.43	6.78	6.09
North Carolina	NA	7.12	7.64	NA	9.97	8.79	NA
North Dakota	5.88	5.19	7.01	5.66	6.30	5.73	5.45
Ohio	NA	5.26	6.30	NA	6.18	6.07	5.79
Oklahoma	6.72	5.69	6.85	8.01	6.96	6.01	NA
Oregon	8.26	9.16	10.36	8.61	8.32	8.03	NA
Pennsylvania	8.68	7.45	9.23	9.18	8.62	8.35	8.09
Rhode Island	10.29	10.26	11.15	10.42	10.45	10.02	11.16
South Carolina	9.81	8.07	8.37	8.66	10.25	10.47	8.45
South Dakota	6.01	5.28	6.44	5.81	6.48	5.82	5.65
Tennessee	8.52	6.98	8.08	8.57	8.62	8.40	NA
Texas	7.52	5.96	6.77	7.32	7.65	7.54	6.87
Utah	7.46	7.60	8.46	7.71	7.48	7.29	7.43
Vermont	7.69	6.81	8.92	7.35	7.61	8.07	6.63
Virginia	NA	6.95	7.97	NA	8.81	NA	7.38
Washington	8.07	7.96	10.12	8.14	8.15	7.96	NA
West Virginia	7.20	7.35	8.90	7.26	7.20	7.15	7.76
Wisconsin	6.69	6.38	7.40	6.37	6.47	7.05	6.29
Wyoming	6.80	6.35	7.81	6.96	6.97	6.56	6.52
Total	7.70	6.85	7.94	7.67	7.89	7.58	7.25

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State							2016
	December	November	October	September	August	July	June
Alabama	11.25	NA	11.95	11.82	11.88	11.74	11.31
Alaska	8.75	8.68	8.85	8.76	8.78	9.07	8.41
Arizona	8.00	8.19	8.49	8.61	8.62	8.72	8.70
Arkansas	NA	NA	7.00	6.87	7.28	7.02	7.35
California	9.98	9.29	9.09	9.17	8.76	8.08	7.44
Colorado	6.19	6.63	8.03	8.45	9.30	8.39	7.65
Connecticut	7.93	8.61	10.00	10.65	11.75	11.16	11.82
Delaware	9.88	10.37	11.42	11.86	12.11	11.51	10.87
District of Columbia	10.37	12.08	9.76	11.67	12.32	12.12	11.31
Florida	11.04	10.77	10.79	10.72	10.49	10.46	10.40
Georgia	7.32	8.50	8.99	9.22	9.27	9.05	8.44
Hawaii	27.61	25.04	27.71	27.32	25.57	25.24	32.82
Idaho	6.48	6.48	6.97	7.67	7.62	7.70	7.79
Illinois	6.44	8.08	9.03	12.30	NA	12.25	10.92
Indiana	5.66	7.29	7.25	9.50	10.00	10.99	9.37
Iowa	5.95	6.47	6.85	NA	8.13	7.81	7.11
Kansas	7.60	8.48	11.26	13.52	13.72	12.86	12.41
Kentucky	7.45	8.89	10.76	11.27	11.97	10.99	10.72
Louisiana	8.90	8.30	8.55	8.37	8.35	NA	7.26
Maine	11.05	10.33	10.35	11.27	10.50	10.46	10.04
Maryland	8.94	10.21	11.04	11.95	11.65	11.50	9.79
Massachusetts	10.06	9.97	9.53	9.72	9.79	9.34	8.48
Michigan	6.57	6.92	7.56	9.00	9.22	8.71	8.17
Minnesota	6.29	6.26	6.71	7.86	7.77	7.88	7.06
Mississippi	8.15	8.62	8.15	7.60	7.53	7.65	7.08
Missouri	7.72	9.22	9.61	9.89	10.48	10.40	9.41
Montana	6.69	7.25	7.62	8.95	9.08	8.59	7.74
Nebraska	5.81	5.89	5.79	5.95	6.02	5.32	5.08
Nevada	5.37	5.78	6.24	6.87	6.89	7.22	7.08
New Hampshire	11.91	11.98	13.58	16.21	16.40	16.48	13.28
New Jersey	8.61	9.24	8.79	8.74	8.72	8.68	7.72
New Mexico	6.13	6.68	6.94	7.44	7.25	6.94	6.14
New York	6.43	5.62	5.57	5.27	5.26	5.54	5.72
North Carolina	8.38	8.07	7.98	8.21	NA	8.79	8.54
North Dakota	5.43	5.60	5.82	6.74	7.30	7.01	6.69
Ohio	5.73	6.07	7.23	7.30	8.13	7.56	6.96
Oklahoma	6.88	NA	14.50	14.80	15.07	13.84	12.34
Oregon	7.84	9.11	9.05	9.66	10.18	NA	11.57
Pennsylvania	7.88	8.24	9.09	10.94	10.76	10.99	10.56
Rhode Island	10.27	11.48	14.53	16.35	15.78	15.43	13.58
South Carolina	9.51	9.05	9.06	8.59	8.52	8.74	7.82
South Dakota	5.73	5.98	6.31	7.17	7.91	6.99	6.47
Tennessee	8.21	9.04	NA	9.07	9.49	8.68	8.28
Texas	7.58	8.22	8.49	8.13	8.24	7.50	6.70
Utah	7.65	7.50	6.71	6.84	7.10	7.01	6.84
Vermont	7.48	7.07	6.19	6.33	5.59	5.87	5.51
Virginia	7.75	7.73	7.89	8.84	8.57	8.36	7.81
Washington	7.87	8.31	8.49	9.14	9.54	9.06	NA
West Virginia	7.11	7.52	8.73	10.01	10.29	10.16	9.80
Wisconsin	6.50	6.48	5.87	6.56	6.55	6.98	5.26
Wyoming	6.51	6.74	6.83	7.11	6.80	6.90	7.01
Total	7.24	7.60	7.93	8.27	8.25	8.10	7.69

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	10.62	10.63	10.20	9.85	9.97	11.26	10.95
Alaska	8.00	7.90	7.87	7.87	7.88	8.01	7.54
Arizona	8.78	9.07	9.74	9.32	8.94	10.53	9.17
Arkansas	7.23	6.97	7.23	6.86	7.28	8.43	7.43
California	7.35	7.19	8.18	8.49	8.04	8.04	8.29
Colorado	6.16	5.98	5.94	5.97	5.81	7.47	6.10
Connecticut	9.87	9.37	7.93	7.29	NA	8.60	8.22
Delaware	10.03	9.33	8.79	8.58	8.75	10.70	9.15
District of Columbia	10.24	10.24	10.21	9.30	9.50	11.07	9.59
Florida	10.18	10.27	10.48	10.61	10.69	10.92	11.05
Georgia	8.11	7.89	7.33	6.98	6.58	8.58	7.88
Hawaii	30.04	28.09	27.26	23.66	24.18	31.17	28.72
Idaho	7.69	7.80	7.59	7.20	7.08	7.59	7.10
Illinois	9.47	6.99	6.50	5.88	5.54	7.29	6.03
Indiana	7.09	NA	6.94	5.59	5.91	7.61	6.19
Iowa	5.81	5.54	5.80	5.40	5.35	6.50	5.70
Kansas	NA	NA	8.91	7.22	6.72	8.87	7.11
Kentucky	9.14	7.96	7.07	6.36	6.70	8.75	7.69
Louisiana	7.33	7.19	7.77	7.77	8.10	8.07	8.01
Maine	9.54	9.71	10.79	11.16	11.36	14.16	11.11
Maryland	8.22	8.32	8.82	8.14	8.37	9.80	10.23
Massachusetts	9.21	9.44	9.13	9.49	9.33	10.81	9.99
Michigan	7.04	6.54	6.54	6.61	6.54	7.51	6.61
Minnesota	6.38	6.15	6.41	6.23	6.13	7.31	6.12
Mississippi	7.56	8.09	7.87	7.59	7.98	7.86	7.76
Missouri	8.56	7.93	7.23	6.96	7.10	9.14	7.87
Montana	6.93	6.64	6.92	6.87	6.76	8.13	6.85
Nebraska	4.73	5.00	5.39	5.47	5.42	6.40	5.23
Nevada	7.04	7.25	7.59	7.48	7.34	8.66	7.37
New Hampshire	11.22	9.96	9.55	10.47	11.46	13.63	12.39
New Jersey	7.15	6.80	7.50	7.66	7.76	8.50	8.22
New Mexico	5.54	5.33	5.27	5.09	5.14	6.32	5.28
New York	5.98	6.16	6.39	6.58	6.57	6.86	6.78
North Carolina	8.04	7.80	8.56	6.99	6.65	8.27	9.83
North Dakota	5.37	4.62	5.21	5.16	5.20	6.62	5.17
Ohio	6.10	5.30	5.27	5.25	5.26	6.39	5.33
Oklahoma	10.91	8.11	6.80	5.43	5.40	8.12	6.07
Oregon	10.74	9.83	9.42	9.37	8.84	10.09	9.36
Pennsylvania	8.85	8.06	8.16	7.31	7.14	9.32	8.07
Rhode Island	11.51	10.79	10.32	10.10	10.37	11.99	10.97
South Carolina	7.46	8.39	8.39	8.16	7.83	8.49	10.21
South Dakota	5.08	4.95	5.60	5.36	5.05	6.22	5.38
Tennessee	7.60	7.59	7.01	7.00	6.93	8.46	8.32
Texas	6.82	6.12	6.15	5.83	5.97	6.95	6.56
Utah	6.77	7.37	7.91	7.55	7.46	7.97	7.53
Vermont	6.71	6.60	6.22	7.00	7.14	7.89	7.37
Virginia	7.32	6.72	7.26	6.75	6.95	8.13	7.94
Washington	7.82	7.73	7.76	8.35	7.82	9.77	8.08
West Virginia	9.02	7.90	7.58	7.31	7.25	9.14	7.64
Wisconsin	5.30	5.98	6.07	6.36	6.59	6.78	6.25
Wyoming	6.45	6.46	6.47	6.35	6.26	7.43	6.22
Total	7.28	6.94	7.04	6.83	6.74	7.91	7.22

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State							2015
	November	October	September	August	July	June	May
Alabama	11.70	11.63	11.99	12.17	12.13	12.07	11.76
Alaska	7.59	7.86	7.21	8.23	8.14	8.62	7.85
Arizona	9.36	10.15	10.41	10.53	10.68	10.84	10.76
Arkansas	8.01	7.86	8.44	8.64	8.25	8.36	8.30
California	7.25	7.75	7.90	7.93	7.74	7.72	7.03
Colorado	6.40	7.73	9.17	9.33	9.41	8.39	7.63
Connecticut	8.51	9.57	10.58	9.56	9.33	10.13	9.47
Delaware	10.82	12.54	13.93	13.86	13.35	12.71	11.90
District of Columbia	10.81	11.19	11.02	10.71	10.68	11.24	11.80
Florida	10.83	10.74	11.27	11.02	10.86	11.03	10.56
Georgia	9.81	8.74	9.47	9.16	9.20	9.10	8.69
Hawaii	28.13	27.06	28.60	30.45	36.02	38.76	36.86
Idaho	6.91	7.63	7.98	8.10	8.39	7.97	7.91
Illinois	6.66	8.26	12.57	12.77	11.61	11.56	10.12
Indiana	6.07	6.21	8.06	10.80	10.94	11.19	10.32
Iowa	6.43	6.50	8.10	8.91	8.42	7.30	6.48
Kansas	7.28	9.43	12.52	12.03	12.47	12.49	10.84
Kentucky	8.58	9.37	10.49	11.27	11.91	11.47	10.90
Louisiana	7.80	7.77	7.74	7.85	7.87	7.83	7.65
Maine	10.30	8.48	11.27	12.08	11.96	11.22	13.00
Maryland	9.37	9.78	10.88	11.37	10.76	11.50	11.27
Massachusetts	8.56	7.35	8.52	8.99	8.93	8.34	10.24
Michigan	6.85	7.48	9.06	9.19	9.33	8.92	7.92
Minnesota	6.21	6.44	7.74	8.05	8.19	8.88	7.35
Mississippi	8.02	7.85	7.88	7.71	7.82	7.86	7.86
Missouri	9.85	11.05	10.74	11.89	11.91	11.17	10.38
Montana	7.32	8.54	9.73	9.81	9.79	9.16	8.28
Nebraska	5.55	5.78	6.29	6.11	5.90	5.39	5.42
Nevada	7.82	8.58	9.10	9.07	9.45	9.64	9.64
New Hampshire	11.15	12.30	14.76	14.78	13.74	12.55	12.26
New Jersey	8.64	8.08	8.21	8.76	8.64	8.33	7.84
New Mexico	6.09	7.67	7.65	7.65	7.52	6.77	6.89
New York	6.32	6.24	5.96	5.72	6.05	6.80	6.65
North Carolina	8.40	7.96	9.38	9.04	9.26	9.08	8.85
North Dakota	5.61	6.11	7.82	8.76	8.63	8.26	6.58
Ohio	5.81	6.55	7.71	7.73	7.85	7.53	7.03
Oklahoma	10.65	14.04	14.68	15.00	13.46	12.61	11.23
Oregon	8.64	10.49	10.43	11.45	11.07	11.27	11.09
Pennsylvania	8.21	8.80	11.00	11.14	12.00	11.18	10.65
Rhode Island	12.89	15.76	17.13	17.02	16.64	15.41	13.02
South Carolina	8.47	8.08	8.40	8.16	8.45	8.50	8.06
South Dakota	5.37	5.78	7.20	7.28	7.36	6.91	6.46
Tennessee	8.71	8.92	9.36	9.85	9.34	9.02	9.04
Texas	7.29	7.71	7.75	7.67	7.54	6.57	6.89
Utah	7.33	7.33	7.29	7.30	7.26	7.38	7.48
Vermont	6.65	6.20	6.97	6.91	6.10	6.78	8.53
Virginia	7.59	8.04	8.93	8.60	8.57	9.14	9.08
Washington	8.33	10.28	10.55	11.44	11.40	11.05	10.64
West Virginia	7.93	9.95	11.47	11.89	11.48	12.44	10.70
Wisconsin	6.47	5.49	6.32	6.58	6.56	6.88	5.65
Wyoming	6.67	7.18	7.84	7.58	7.77	7.92	7.69
Total	7.39	7.78	8.42	8.45	8.49	8.52	8.13

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	11.78	10.69	10.81	10.95
Alaska	8.03	8.14	8.43	8.70
Arizona	10.85	11.41	11.76	10.73
Arkansas	8.13	8.40	8.93	8.87
California	7.89	8.70	8.58	8.96
Colorado	8.18	7.87	7.45	7.68
Connecticut	8.57	7.61	7.86	8.60
Delaware	10.60	10.26	10.11	10.19
District of Columbia	11.78	11.94	10.36	11.16
Florida	10.62	10.73	11.07	11.19
Georgia	8.68	8.02	8.15	8.44
Hawaii	32.56	31.08	30.83	25.72
Idaho	7.92	7.93	7.77	7.71
Illinois	7.69	6.82	6.15	6.83
Indiana	8.89	8.53	6.87	7.49
Iowa	6.23	6.44	6.22	6.55
Kansas	10.24	9.02	8.01	8.72
Kentucky	10.01	7.96	8.18	8.28
Louisiana	7.76	8.07	8.55	8.76
Maine	15.39	15.90	16.03	16.45
Maryland	9.33	9.22	9.38	9.83
Massachusetts	11.21	10.58	11.99	12.70
Michigan	7.27	7.35	7.52	7.69
Minnesota	7.55	8.35	7.17	7.88
Mississippi	8.00	7.66	7.88	8.04
Missouri	9.34	8.18	8.70	8.84
Montana	8.24	8.04	8.25	8.45
Nebraska	6.24	6.52	6.94	7.65
Nevada	9.24	8.94	8.82	8.60
New Hampshire	12.85	13.46	14.33	15.54
New Jersey	7.31	8.55	8.74	9.05
New Mexico	6.16	5.78	5.92	6.63
New York	7.24	7.11	7.18	7.52
North Carolina	8.27	7.17	7.27	8.28
North Dakota	6.55	6.76	6.78	7.41
Ohio	6.41	6.22	6.21	6.45
Oklahoma	9.20	6.60	7.01	6.95
Oregon	10.00	10.74	10.45	10.07
Pennsylvania	9.79	9.12	9.27	9.27
Rhode Island	11.73	11.13	11.11	11.23
South Carolina	8.38	7.86	8.15	8.96
South Dakota	6.36	6.54	6.32	6.48
Tennessee	8.68	7.33	8.21	8.58
Texas	6.66	6.41	6.54	7.25
Utah	8.18	8.51	8.77	8.23
Vermont	9.02	8.88	8.94	8.93
Virginia	8.19	7.64	7.66	8.59
Washington	10.16	10.12	10.14	10.11
West Virginia	9.54	8.97	8.88	8.87
Wisconsin	5.21	7.20	7.42	7.53
Wyoming	7.61	7.87	8.06	7.59
Total	8.02	7.84	7.81	8.14

^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: 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, 2015-2017
(dollars per thousand cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016 Total
				March	February	January	
Alabama	4.62	3.51	4.76	4.11	4.67	5.08	NA
Alaska	6.98	5.81	6.98	6.96	6.99	6.99	5.06
Arizona	6.09	6.17	7.30	5.98	6.07	6.21	5.75
Arkansas	6.69	5.89	7.83	6.63	6.70	6.73	5.65
California	8.09	6.81	7.08	7.77	8.03	8.45	6.90
Colorado	5.45	4.55	6.11	5.59	5.47	5.35	NA
Connecticut	NA	5.89	6.72	NA	7.99	7.25	6.09
Delaware	9.16	8.13	10.14	9.56	9.10	8.93	NA
District of Columbia	--	--	--	--	--	--	--
Florida	6.35	6.18	7.29	6.49	6.44	6.11	5.71
Georgia	4.85	3.81	5.12	4.24	4.95	5.41	4.01
Hawaii	17.36	14.84	19.16	17.41	17.83	16.90	15.70
Idaho	4.59	5.44	6.11	4.56	4.63	4.56	5.19
Illinois	6.06	4.44	5.62	5.88	6.16	6.13	NA
Indiana	5.84	4.64	7.08	5.67	6.05	5.80	4.87
Iowa	NA	NA	5.90	NA	5.04	5.05	NA
Kansas	5.37	4.96	6.09	4.89	5.76	6.16	3.64
Kentucky	4.53	3.66	5.27	4.11	4.62	4.87	3.67
Louisiana	NA	2.79	3.67	NA	NA	4.45	NA
Maine	9.32	8.50	15.18	9.27	9.35	9.33	7.69
Maryland	9.44	8.49	9.52	8.68	10.00	9.67	8.87
Massachusetts	8.85	8.19	10.72	8.74	9.02	8.80	7.94
Michigan	5.93	5.81	6.92	5.94	6.05	5.82	NA
Minnesota	4.72	4.13	5.85	4.31	4.73	5.01	4.09
Mississippi	NA	4.49	5.80	NA	NA	5.67	4.38
Missouri	NA	5.90	7.79	6.99	NA	7.45	6.02
Montana	6.35	5.91	7.63	6.43	6.52	6.17	5.65
Nebraska	NA	4.26	4.82	NA	5.49	4.69	3.95
Nevada	4.39	6.60	8.14	4.46	4.37	4.35	5.89
New Hampshire	9.78	8.88	12.85	9.13	10.27	10.13	8.59
New Jersey	NA	7.08	8.32	NA	NA	NA	NA
New Mexico	NA	4.00	5.33	NA	NA	4.96	4.17
New York	7.18	6.28	7.21	7.39	7.35	6.81	5.97
North Carolina	6.58	5.50	7.10	6.37	6.68	6.69	5.39
North Dakota	3.30	2.41	3.85	2.65	3.43	3.93	2.57
Ohio	NA	4.33	5.31	NA	5.10	5.34	NA
Oklahoma	6.19	6.54	7.17	7.30	6.45	5.53	NA
Oregon	5.31	5.56	6.68	5.30	5.37	5.28	5.49
Pennsylvania	7.99	7.00	8.51	8.11	8.01	7.88	NA
Rhode Island	8.26	8.48	9.04	8.39	8.35	8.06	8.70
South Carolina	5.33	4.43	5.52	4.54	5.22	6.20	4.46
South Dakota	5.31	4.62	5.63	5.09	5.43	5.36	4.78
Tennessee	5.57	4.55	5.87	5.13	5.71	5.86	4.40
Texas	3.36	2.24	3.16	2.81	3.44	3.84	2.65
Utah	5.95	6.16	6.70	5.87	5.97	6.02	5.51
Vermont	5.68	5.09	5.96	5.34	5.67	6.02	5.20
Virginia	NA	4.30	5.45	4.44	NA	5.11	4.16
Washington	7.37	7.43	9.32	7.36	7.59	7.19	7.39
West Virginia	2.23	NA	3.51	2.17	2.37	2.14	NA
Wisconsin	5.80	5.43	6.64	5.33	5.54	6.31	5.03
Wyoming	NA	3.83	5.91	NA	4.04	NA	3.96
Total	4.52	3.43	4.67	4.02	4.62	4.89	3.51

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2016						
	December	November	October	September	August	July	June
Alabama	NA	4.32	4.24	NA	3.81	3.98	3.34
Alaska	5.21	4.83	4.53	4.45	5.64	5.17	4.58
Arizona	5.89	5.77	5.56	5.51	6.02	5.76	4.93
Arkansas	6.61	5.72	4.70	5.17	5.96	5.35	5.46
California	8.58	7.59	7.38	7.47	7.02	6.40	5.89
Colorado	4.79	5.17	NA	NA	7.03	6.21	5.50
Connecticut	6.09	5.63	5.98	6.08	6.17	6.19	6.05
Delaware	9.10	NA	NA	NA	10.31	NA	8.93
District of Columbia	--	--	--	--	--	--	--
Florida	5.54	5.71	6.07	5.29	5.71	5.39	5.25
Georgia	4.76	4.28	4.33	4.42	4.25	4.14	3.54
Hawaii	16.57	16.80	15.85	15.65	16.03	16.51	16.92
Idaho	4.51	4.61	4.62	5.40	5.46	5.43	5.46
Illinois	5.16	5.76	5.66	NA	7.08	NA	5.43
Indiana	5.15	5.23	4.91	5.72	5.93	5.70	4.96
Iowa	4.97	4.51	4.76	4.78	4.18	4.49	4.28
Kansas	5.21	4.49	3.59	3.65	3.51	3.44	3.27
Kentucky	4.38	4.17	4.05	3.87	3.59	3.89	2.91
Louisiana	NA	NA	3.50	3.33	3.15	3.37	2.47
Maine	9.45	8.83	5.99	6.13	5.99	5.58	5.55
Maryland	9.04	9.55	10.78	10.05	12.61	13.92	9.88
Massachusetts	9.03	8.76	7.46	6.51	6.80	6.76	6.59
Michigan	5.71	5.62	6.20	NA	6.06	6.39	6.00
Minnesota	4.54	4.25	4.19	4.11	4.09	4.31	3.61
Mississippi	4.74	4.85	4.63	4.54	4.52	3.89	3.88
Missouri	6.68	6.42	5.79	5.87	6.09	6.70	5.78
Montana	5.76	5.54	5.45	5.67	6.32	4.84	6.18
Nebraska	4.42	4.17	3.92	3.99	3.89	3.60	3.29
Nevada	4.59	5.06	5.20	5.87	5.79	6.51	6.10
New Hampshire	10.11	9.06	7.58	8.06	8.21	8.24	7.14
New Jersey	7.94	7.89	7.00	7.57	NA	NA	7.12
New Mexico	4.85	4.28	4.71	4.53	4.27	3.91	3.49
New York	6.17	5.71	5.58	5.30	5.75	5.61	5.60
North Carolina	6.07	5.42	5.23	5.23	5.16	5.11	5.05
North Dakota	3.38	2.80	2.86	2.82	3.68	2.98	2.09
Ohio	5.14	5.66	6.30	6.67	6.71	NA	NA
Oklahoma	6.11	9.58	8.10	8.82	NA	NA	NA
Oregon	5.31	5.51	5.46	5.43	5.43	5.29	6.49
Pennsylvania	7.72	8.32	8.43	8.62	5.77	9.13	NA
Rhode Island	8.00	8.83	9.01	9.16	9.22	8.91	8.76
South Carolina	5.63	5.06	4.75	4.63	4.50	4.73	3.80
South Dakota	4.78	4.94	5.09	6.12	6.01	5.20	4.78
Tennessee	5.27	4.76	4.67	4.46	4.31	4.38	3.65
Texas	3.35	2.94	3.22	3.16	3.01	2.98	2.16
Utah	5.88	5.17	4.96	4.93	5.00	5.02	5.10
Vermont	5.68	5.20	5.13	5.14	5.31	5.61	4.97
Virginia	4.51	4.20	4.15	4.20	4.28	3.91	4.06
Washington	7.30	7.17	7.12	7.26	7.69	7.67	8.07
West Virginia	2.22	2.12	2.21	2.06	2.00	2.03	2.11
Wisconsin	5.64	5.33	4.63	4.60	4.28	4.63	3.44
Wyoming	4.58	4.64	R4.27	3.93	R3.93	3.60	3.65
Total	R4.31	3.86	3.87	3.73	3.58	3.57	2.88

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	2.97	3.22	3.21	3.66	3.65	4.08	3.61
Alaska	3.69	6.36	6.75	6.74	4.88	6.86	6.84
Arizona	5.59	5.72	5.86	6.17	6.46	6.78	6.39
Arkansas	5.29	5.35	5.85	5.86	5.96	6.91	5.64
California	5.93	5.79	6.77	7.01	6.66	6.41	6.99
Colorado	4.28	4.39	4.99	4.53	4.24	5.74	4.52
Connecticut	6.58	6.84	5.84	5.71	6.10	6.35	6.58
Delaware	8.62	7.85	8.29	7.98	8.14	10.11	8.32
District of Columbia	--	--	--	--	--	--	--
Florida	5.14	5.66	6.22	6.05	6.30	6.43	6.10
Georgia	3.50	3.45	3.46	3.95	4.02	4.42	3.86
Hawaii	15.05	14.45	13.73	14.45	16.17	19.03	15.06
Idaho	5.44	5.50	5.46	5.46	5.41	5.83	5.40
Illinois	NA	4.89	4.69	4.50	4.24	5.47	4.65
Indiana	4.10	4.39	4.67	4.85	4.44	6.36	4.79
Iowa	3.92	4.28	4.68	NA	5.30	5.28	4.61
Kansas	3.34	3.40	4.24	6.18	6.67	4.24	5.61
Kentucky	3.26	2.87	3.38	3.71	3.86	4.45	3.65
Louisiana	2.55	2.48	2.39	2.92	3.06	3.31	2.98
Maine	5.78	8.46	8.51	8.52	8.46	8.95	8.50
Maryland	7.42	7.63	8.62	8.52	8.37	9.70	10.84
Massachusetts	7.79	8.04	7.98	8.36	8.21	9.22	8.90
Michigan	5.76	5.59	5.61	5.96	5.82	6.60	5.78
Minnesota	3.51	3.42	3.80	4.25	4.30	4.87	4.24
Mississippi	3.75	4.03	4.31	4.55	4.62	4.75	4.18
Missouri	5.29	5.77	5.84	6.02	5.80	7.58	6.91
Montana	4.82	5.40	5.52	6.27	5.88	6.53	5.54
Nebraska	3.20	3.69	4.23	4.23	4.32	4.56	4.79
Nevada	5.99	6.21	6.73	6.65	6.49	8.07	6.61
New Hampshire	7.48	7.90	7.98	8.96	9.60	10.33	9.87
New Jersey	6.12	5.60	7.52	6.81	7.02	8.09	7.52
New Mexico	3.38	3.45	3.75	4.05	4.24	4.62	4.26
New York	5.77	5.93	6.25	6.29	6.28	6.62	6.27
North Carolina	5.07	5.29	5.66	5.57	5.30	6.34	5.87
North Dakota	1.91	2.09	2.10	2.83	2.43	3.13	2.88
Ohio	5.53	NA	4.20	4.29	4.46	5.35	4.65
Oklahoma	9.14	8.07	5.61	5.42	9.95	7.51	6.18
Oregon	5.14	5.24	5.59	5.59	5.50	6.28	5.50
Pennsylvania	NA	6.72	7.21	6.81	7.07	8.59	7.62
Rhode Island	8.91	8.77	8.40	8.44	8.61	9.26	8.22
South Carolina	3.78	3.41	3.79	4.46	5.12	4.64	4.25
South Dakota	4.33	4.10	4.50	4.51	4.83	5.34	4.56
Tennessee	3.75	3.80	4.24	4.73	4.65	5.06	4.58
Texas	2.14	2.08	1.88	2.39	2.45	2.89	2.38
Utah	5.14	5.68	5.97	6.44	6.07	5.93	6.01
Vermont	5.13	4.93	4.96	5.17	5.14	5.50	5.81
Virginia	3.84	3.56	4.13	4.22	4.51	5.02	4.48
Washington	7.25	7.31	7.39	7.64	7.30	8.91	7.30
West Virginia	2.02	2.76	NA	2.35	2.17	3.17	2.58
Wisconsin	3.97	5.05	4.94	5.45	5.74	5.65	5.43
Wyoming	3.70	R3.65	R3.68	R3.82	R3.95	5.07	4.01
Total	2.90	2.99	3.04	3.63	3.62	3.91	3.45

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015						
	November	October	September	August	July	June	May
Alabama	3.45	3.61	3.82	4.05	3.96	4.08	3.69
Alaska	6.77	6.85	6.83	6.82	6.78	6.84	6.86
Arizona	6.30	6.32	6.58	6.55	6.76	6.86	6.54
Arkansas	5.99	6.43	6.44	6.59	6.61	6.09	6.41
California	5.83	5.94	6.15	6.12	6.08	6.29	5.51
Colorado	5.20	6.03	6.22	6.65	7.39	6.58	5.32
Connecticut	5.85	5.75	6.58	5.64	5.86	6.01	6.18
Delaware	9.62	11.15	11.40	11.38	10.89	9.09	9.78
District of Columbia	--	--	--	--	--	--	--
Florida	6.22	6.30	6.09	6.04	6.70	5.78	5.88
Georgia	3.76	4.14	4.28	4.38	4.34	4.41	4.14
Hawaii	17.68	17.99	19.09	19.29	21.57	20.94	19.68
Idaho	4.93	5.77	5.93	6.09	6.10	5.85	5.86
Illinois	4.59	5.39	6.19	5.96	6.06	5.94	5.66
Indiana	4.42	4.27	5.21	5.85	6.29	5.70	6.14
Iowa	5.26	4.56	6.17	5.11	5.45	4.77	4.76
Kansas	4.62	4.18	3.90	3.95	4.00	4.08	4.17
Kentucky	3.51	3.86	3.94	4.13	4.43	4.60	4.27
Louisiana	2.74	3.14	3.29	3.47	3.44	3.39	2.93
Maine	8.20	4.56	4.72	4.81	4.68	4.61	5.50
Maryland	10.90	9.52	8.76	9.99	11.89	12.71	10.17
Massachusetts	7.31	5.51	6.26	6.91	6.66	6.90	8.73
Michigan	5.76	6.33	6.75	7.02	6.44	6.78	6.59
Minnesota	4.13	4.24	4.17	4.68	4.53	4.62	4.19
Mississippi	4.31	4.27	4.52	4.00	4.54	4.36	4.46
Missouri	6.97	7.17	7.96	7.29	7.88	7.52	7.33
Montana	6.16	5.87	7.00	5.93	6.41	4.89	6.49
Nebraska	4.08	4.12	4.27	4.33	4.27	3.83	4.13
Nevada	7.12	7.72	8.58	8.16	8.71	9.18	9.06
New Hampshire	7.53	5.48	5.10	6.05	6.14	7.16	8.31
New Jersey	7.09	7.34	8.31	8.75	8.19	8.13	7.82
New Mexico	4.60	4.69	4.70	4.60	4.53	4.44	4.11
New York	6.01	5.57	5.83	5.33	5.86	6.00	6.54
North Carolina	5.73	6.04	6.14	5.87	5.95	5.83	5.67
North Dakota	2.58	2.76	2.81	2.95	3.11	2.90	2.81
Ohio	4.74	5.61	6.64	6.09	5.40	7.24	5.71
Oklahoma	7.90	9.90	12.85	8.77	8.63	8.96	6.31
Oregon	5.58	6.41	6.38	6.39	6.30	6.25	6.29
Pennsylvania	8.47	8.93	10.37	10.35	10.06	10.21	9.59
Rhode Island	9.48	9.92	9.79	10.09	9.61	9.38	9.75
South Carolina	4.09	4.26	4.37	4.59	4.47	4.56	4.19
South Dakota	4.56	5.13	6.04	5.73	5.71	5.14	5.50
Tennessee	4.47	4.45	4.63	4.79	4.80	4.87	4.83
Texas	2.28	2.77	2.95	3.13	3.07	3.04	2.82
Utah	5.35	5.24	5.30	5.32	5.20	5.72	5.94
Vermont	5.42	5.58	4.65	4.53	5.90	5.17	5.23
Virginia	3.95	4.69	4.86	4.56	4.81	5.08	5.33
Washington	7.89	8.70	9.23	9.33	10.04	9.45	9.21
West Virginia	2.13	3.21	3.19	3.23	3.22	3.18	3.16
Wisconsin	5.37	4.69	4.56	4.91	4.54	5.07	4.42
Wyoming	4.63	4.56	4.75	4.75	4.63	5.20	5.02
Total	3.26	3.52	3.63	3.77	3.73	3.74	3.56

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	4.13	4.69	4.95	4.66
Alaska	6.70	6.88	7.08	6.97
Arizona	6.96	7.15	7.51	7.25
Arkansas	6.84	7.70	7.90	7.88
California	6.45	6.89	6.77	7.68
Colorado	5.49	6.20	6.15	6.01
Connecticut	6.77	5.81	6.52	7.89
Delaware	9.56	10.20	10.25	9.91
District of Columbia	--	--	--	--
Florida	6.05	6.53	7.12	8.40
Georgia	4.22	5.02	4.98	5.34
Hawaii	19.40	18.66	18.33	20.25
Idaho	5.93	6.01	6.14	6.16
Illinois	5.75	5.74	5.13	6.02
Indiana	9.14	7.18	6.69	7.52
Iowa	4.47	5.67	5.63	6.40
Kansas	4.43	5.75	5.82	6.98
Kentucky	4.51	5.22	5.21	5.37
Louisiana	3.22	3.48	3.66	3.87
Maine	14.71	15.12	15.22	15.20
Maryland	8.08	8.81	9.64	10.06
Massachusetts	9.67	9.60	10.86	11.74
Michigan	6.21	6.70	6.98	7.06
Minnesota	4.55	5.82	5.83	5.89
Mississippi	4.75	5.75	5.49	6.16
Missouri	7.95	7.79	7.65	7.92
Montana	7.00	7.25	7.38	8.18
Nebraska	5.53	5.39	4.34	4.84
Nevada	8.71	8.32	8.27	7.94
New Hampshire	10.89	12.09	12.47	14.13
New Jersey	7.87	7.96	8.26	8.81
New Mexico	4.52	4.93	5.06	5.84
New York	7.21	7.21	7.05	7.43
North Carolina	6.11	6.69	7.52	7.06
North Dakota	3.01	3.77	3.86	3.92
Ohio	5.28	5.22	5.44	5.26
Oklahoma	9.41	6.57	7.40	7.62
Oregon	6.25	6.65	6.72	6.69
Pennsylvania	8.25	7.85	8.96	8.74
Rhode Island	9.20	9.00	9.01	9.12
South Carolina	4.36	4.96	5.99	5.77
South Dakota	5.42	5.31	5.52	6.04
Tennessee	4.99	5.69	5.75	6.18
Texas	2.88	3.00	3.10	3.37
Utah	6.50	6.72	6.74	6.65
Vermont	5.29	5.98	6.25	5.70
Virginia	5.15	5.32	5.28	5.76
Washington	9.55	8.91	9.40	9.63
West Virginia	3.29	3.49	3.37	3.79
Wisconsin	4.46	6.40	6.67	6.78
Wyoming	5.36	5.17	5.40	6.48
Total	3.94	4.43	4.71	4.87

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

Sources: 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, 2015-2017
(dollars per thousand cubic feet)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016
				March	February	January	Total
Alabama	W	W	W	W	W	W	W
Alaska	8.09	6.42	5.64	8.09	8.09	8.09	6.65
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	W	2.88	3.72	W	W	W	3.22
Colorado	W	W	W	W	W	W	W
Connecticut	W	5.50	9.33	W	5.84	8.10	3.67
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.42	W	W	4.02	4.38	4.92	3.86
Georgia	W	W	W	W	W	W	3.08
Hawaii	--	--	--	--	--	--	--
Idaho	--	2.42	6.63	--	--	--	2.92
Illinois	W	W	W	W	W	W	2.88
Indiana	W	W	W	W	W	W	W
Iowa	4.91	2.60	4.39	4.71	4.85	5.12	2.81
Kansas	4.25	3.62	4.45	3.52	4.82	4.92	3.48
Kentucky	W	W	W	W	5.96	W	W
Louisiana	W	W	W	W	W	W	2.76
Maine	W	W	W	W	W	W	W
Maryland	4.85	3.71	W	4.90	4.25	5.50	2.97
Massachusetts	W	3.35	11.33	4.37	W	W	3.22
Michigan	3.32	2.38	3.76	3.16	3.18	3.63	2.81
Minnesota	3.84	W	W	3.35	3.49	4.49	W
Mississippi	W	W	W	W	W	W	W
Missouri	2.98	W	W	2.59	3.05	3.43	W
Montana	2.24	--	--	2.09	2.25	2.36	--
Nebraska	--	2.78	4.37	5.17	6.48	5.61	3.31
Nevada	3.96	2.70	3.69	3.60	3.80	4.37	3.02
New Hampshire	W	W	W	W	W	W	W
New Jersey	3.69	2.47	6.23	3.45	3.64	4.06	2.20
New Mexico	3.67	2.69	3.32	3.27	3.65	4.02	3.07
New York	4.73	3.14	6.62	4.26	4.54	5.41	2.76
North Carolina	W	W	W	W	W	W	W
North Dakota	5.62	2.20	2.80	5.52	4.80	6.31	2.74
Ohio	3.34	1.95	2.99	2.93	3.26	3.84	2.36
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	3.08	W	W	W	W
Pennsylvania	3.41	2.14	4.95	2.86	3.21	4.12	1.95
Rhode Island	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W
South Dakota	--	2.13	2.97	--	--	--	2.62
Tennessee	3.24	2.31	3.39	3.00	3.09	3.82	2.61
Texas	3.20	2.21	3.12	3.02	3.12	3.47	2.67
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W
Washington	4.79	W	4.32	3.74	5.57	4.95	W
West Virginia	W	1.98	W	W	W	W	W
Wisconsin	W	W	W	W	W	W	W
Wyoming	W	--	6.63	10.87	W	4.04	8.29
Total	3.86	2.78	4.31	3.52	3.74	4.32	2.99

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State							2016
	December	November	October	September	August	July	June
Alabama	W	W	W	W	W	W	W
Alaska	7.21	6.91	6.86	6.52	6.49	6.81	7.10
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	4.05	3.27	3.43	3.59	3.45	3.48	2.98
Colorado	W	W	W	W	W	W	W
Connecticut	5.49	3.34	2.45	2.92	3.09	3.13	2.33
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	3.95	3.72	3.43
Georgia	W	3.15	3.59	3.59	3.33	3.30	3.03
Hawaii	--	--	--	--	--	--	--
Idaho	4.05	4.66	4.78	3.38	2.89	2.83	2.47
Illinois	W	W	3.18	3.29	3.07	3.05	W
Indiana	W	W	W	W	W	W	W
Iowa	3.83	3.02	3.00	3.00	2.94	2.83	2.63
Kansas	5.05	3.28	3.96	3.52	3.53	3.26	3.07
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	3.08	2.63
Maine	W	--	W	W	W	W	W
Maryland	4.98	3.67	2.75	2.47	2.97	2.94	3.01
Massachusetts	7.03	4.59	3.36	2.97	3.18	2.86	2.34
Michigan	3.93	2.77	3.19	3.32	3.12	3.04	2.75
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	--	--	--	--	--	--	--
Nebraska	4.75	3.17	3.54	3.70	3.48	3.41	3.32
Nevada	3.77	3.35	3.46	3.39	3.23	3.38	2.57
New Hampshire	W	W	W	W	W	W	W
New Jersey	4.01	2.45	1.86	1.70	1.92	2.09	2.13
New Mexico	4.21	3.06	3.30	3.43	3.30	3.31	2.87
New York	5.47	2.95	1.98	2.18	2.54	2.75	2.38
North Carolina	W	W	W	W	W	W	W
North Dakota	3.58	2.74	3.10	3.07	2.98	2.88	2.63
Ohio	3.41	2.32	2.30	2.59	2.55	2.80	2.32
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	3.52	2.10	1.29	1.51	1.68	1.86	1.90
Rhode Island	W	W	W	W	W	2.92	W
South Carolina	W	W	W	W	W	W	W
South Dakota	3.92	2.50	3.38	3.39	2.94	2.87	2.53
Tennessee	3.44	2.84	3.15	2.91	2.69	2.74	2.37
Texas	3.44	2.71	3.24	3.13	2.94	2.95	2.62
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W
Washington	W	W	W	W	W	W	W
West Virginia	5.87	2.83	1.69	1.97	W	3.21	2.00
Wisconsin	W	W	W	W	W	W	W
Wyoming	8.65	12.43	4,893.63	10.24	5.57	--	17.60
Total	4.16	3.14	3.24	3.19	3.07	3.07	2.77

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	W	W	W	W	W	3.06	W
Alaska	6.43	6.47	6.34	6.43	6.47	5.40	5.44
Arizona	W	W	W	W	W	3.43	W
Arkansas	W	W	W	W	W	W	W
California	W	2.47	2.59	2.85	3.08	3.39	2.95
Colorado	W	W	W	W	W	3.81	W
Connecticut	2.39	2.74	4.63	5.63	6.12	4.73	5.06
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	W	4.41	3.98
Georgia	2.44	2.40	2.23	W	W	3.27	W
Hawaii	--	--	--	--	--	--	--
Idaho	2.41	11.72	2.26	2.25	2.67	2.89	2.41
Illinois	2.25	2.24	2.31	W	W	W	W
Indiana	W	W	W	W	W	W	W
Iowa	2.10	2.61	2.23	2.57	2.96	3.23	2.60
Kansas	3.15	3.16	2.84	4.22	4.26	3.95	4.66
Kentucky	W	W	W	3.35	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	W	W	W	W	W	W	W
Maryland	2.50	2.40	2.69	5.64	3.59	4.06	3.13
Massachusetts	2.11	2.99	1.99	3.46	4.73	4.38	2.53
Michigan	2.28	2.31	2.14	2.37	2.66	3.21	2.17
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	--	--	--	--	--	--	--
Nebraska	2.77	2.44	2.34	2.81	3.52	3.97	3.63
Nevada	2.54	2.40	2.30	2.78	2.98	3.34	3.00
New Hampshire	W	W	W	W	W	W	W
New Jersey	1.95	1.76	1.62	2.83	3.02	2.96	1.71
New Mexico	2.47	2.69	2.56	2.57	2.91	3.21	2.46
New York	2.12	2.36	2.22	3.41	3.76	3.51	2.96
North Carolina	W	W	W	W	W	W	W
North Dakota	2.04	2.09	1.90	2.22	2.45	2.89	2.07
Ohio	2.03	2.01	1.63	2.00	2.20	2.42	1.91
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	1.65	1.61	1.43	2.33	2.70	2.52	1.55
Rhode Island	2.23	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W
South Dakota	2.10	2.07	1.82	2.08	2.57	3.31	2.25
Tennessee	1.96	1.96	2.05	2.33	2.58	2.74	2.33
Texas	2.17	2.14	1.91	2.19	2.53	2.88	2.23
Utah	W	W	W	W	2.81	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	3.55	W
Washington	W	W	W	W	W	W	W
West Virginia	2.03	2.12	1.92	2.07	2.22	W	1.52
Wisconsin	W	W	W	W	W	W	W
Wyoming	12.15	5.88	4.39	7.69	13.31	5.18	7.01
Total	2.49	2.52	2.33	2.83	3.17	3.37	2.71

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State							2015
	November	October	September	August	July	June	May
Alabama	W	2.78	3.07	3.13	3.25	3.17	3.26
Alaska	5.48	5.45	5.48	5.21	5.19	5.14	4.86
Arizona	W	W	W	3.47	3.54	3.47	3.73
Arkansas	W	W	W	W	W	W	W
California	2.94	3.18	3.29	3.52	3.53	3.51	3.44
Colorado	W	W	W	W	W	W	W
Connecticut	5.14	3.17	3.08	2.69	2.48	2.19	2.30
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.90	4.31	4.46	4.45	4.43	4.52	4.39
Georgia	2.64	2.85	3.31	3.36	3.40	3.38	3.57
Hawaii	--	--	--	--	--	--	--
Idaho	2.72	2.92	3.01	2.92	2.85	2.74	3.08
Illinois	W	W	3.12	W	W	3.04	W
Indiana	W	W	W	W	W	W	W
Iowa	5.06	2.89	2.98	3.12	3.06	3.07	3.18
Kansas	4.03	4.88	3.68	3.70	3.52	3.68	4.33
Kentucky	2.50	W	W	W	W	W	W
Louisiana	W	W	W	3.20	W	W	W
Maine	W	W	W	W	W	W	W
Maryland	3.11	3.05	3.18	4.07	3.73	3.09	3.25
Massachusetts	3.62	4.31	4.14	3.08	2.57	3.18	3.16
Michigan	2.56	2.91	3.32	3.40	3.30	3.18	3.25
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	--	--	--	--	--	--	--
Nebraska	3.37	3.22	3.38	5.08	3.81	3.59	4.01
Nevada	2.85	3.24	3.30	3.38	3.43	3.43	3.21
New Hampshire	W	W	W	W	W	W	W
New Jersey	1.80	2.00	2.08	2.20	2.07	2.34	2.32
New Mexico	2.64	3.11	3.13	3.28	3.86	3.61	3.26
New York	2.69	2.60	2.51	2.61	2.56	2.71	2.76
North Carolina	W	W	W	W	W	W	W
North Dakota	2.08	2.67	3.09	3.03	2.87	2.70	2.71
Ohio	2.09	2.17	2.26	2.25	2.30	2.20	2.38
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	1.59	1.71	2.00	1.80	2.02	1.83	2.01
Rhode Island	3.50	3.74	2.78	2.42	2.40	1.96	2.15
South Carolina	W	W	W	W	W	W	W
South Dakota	2.92	2.90	3.31	4.23	3.78	3.53	3.06
Tennessee	2.31	2.47	2.61	2.71	2.74	2.75	2.28
Texas	2.30	2.66	2.88	3.01	3.03	2.98	3.02
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	2.82
Washington	W	W	W	W	W	W	W
West Virginia	1.90	W	W	1.94	2.07	2.48	2.41
Wisconsin	W	W	W	W	W	W	W
Wyoming	4.13	5.08	4.46	6.95	5.28	4.77	3.80
Total	2.78	3.03	3.19	3.22	3.23	3.24	3.28

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015			
	April	March	February	January
Alabama	W	W	W	W
Alaska	5.47	5.41	5.49	5.95
Arizona	W	W	W	W
Arkansas	W	W	W	W
California	3.34	3.50	3.73	3.91
Colorado	W	W	W	4.72
Connecticut	2.99	6.91	12.82	8.77
Delaware	--	--	--	--
District of Columbia	--	--	--	--
Florida	W	W	4.78	W
Georgia	3.28	3.42	W	W
Hawaii	--	--	--	--
Idaho	3.05	16.18	--	3.03
Illinois	W	W	4.81	W
Indiana	W	W	W	W
Iowa	2.98	3.43	4.70	4.98
Kansas	4.32	4.06	4.50	5.25
Kentucky	W	W	W	W
Louisiana	W	W	W	W
Maine	W	W	W	W
Maryland	2.58	W	W	6.65
Massachusetts	3.36	8.64	13.60	12.21
Michigan	3.24	3.57	4.11	3.61
Minnesota	W	W	W	W
Mississippi	W	W	W	W
Missouri	W	W	W	W
Montana	--	--	--	--
Nebraska	3.63	4.02	4.90	4.48
Nevada	3.27	3.45	3.54	4.10
New Hampshire	W	W	W	W
New Jersey	2.43	3.67	9.88	5.80
New Mexico	3.03	3.09	3.11	3.71
New York	2.82	4.48	9.93	6.24
North Carolina	W	W	W	W
North Dakota	2.75	2.73	2.93	2.74
Ohio	2.23	2.75	3.31	2.92
Oklahoma	W	W	W	W
Oregon	2.66	2.85	3.12	3.24
Pennsylvania	2.02	3.06	8.29	4.28
Rhode Island	3.41	W	W	9.99
South Carolina	W	W	W	W
South Dakota	3.46	2.77	3.05	2.94
Tennessee	2.66	3.35	3.27	3.59
Texas	2.82	3.02	3.09	3.26
Utah	W	W	3.37	W
Vermont	--	--	--	--
Virginia	W	W	W	W
Washington	3.50	4.41	3.46	4.63
West Virginia	W	2.64	W	2.95
Wisconsin	W	W	W	W
Wyoming	15.03	5.54	9.15	5.89
Total	3.23	3.71	4.99	4.29

^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: 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, 2015-2017

State	2017 3-Month YTD			2016 3-Month YTD			2015 3-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	80.2	26.8	100.0	81.3	24.8	100.0	83.5	24.2
Alaska	100.0	99.2	100.0	100.0	99.1	100.0	100.0	97.0	100.0
Arizona	NA	84.7	13.9	100.0	85.7	13.9	100.0	86.2	15.7
Arkansas	100.0	47.7	1.9	100.0	49.1	1.7	100.0	56.9	2.3
California	NA	56.0	4.8	95.1	53.6	4.5	94.5	52.1	4.4
Colorado	100.0	94.2	8.5	100.0	95.0	9.5	100.0	95.2	9.2
Connecticut	96.5	78.9	NA	96.6	NA	50.8	96.7	79.4	49.3
Delaware	100.0	43.2	0.6	100.0	46.3	0.4	100.0	53.3	0.5
District of Columbia	NA	NA	0.0	74.8	22.4	--	73.9	23.5	0.0
Florida	NA	29.9	3.5	97.7	31.8	3.5	97.8	32.9	3.3
Georgia	100.0	100.0	26.7	100.0	100.0	21.7	100.0	100.0	21.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	83.4	2.8	100.0	80.6	2.3	100.0	80.1	2.9
Illinois	86.1	38.4	9.0	86.5	39.2	9.1	86.6	41.6	10.0
Indiana	95.8	68.1	2.4	95.8	69.1	2.6	95.9	71.6	3.1
Iowa	100.0	73.4	NA	100.0	74.6	NA	100.0	75.1	4.4
Kansas	100.0	63.5	NA	100.0	63.7	2.1	100.0	68.7	2.7
Kentucky	96.6	81.4	19.6	96.6	82.6	17.4	96.2	84.1	16.8
Louisiana	100.0	NA	NA	100.0	80.1	3.5	100.0	81.7	3.4
Maine	100.0	63.6	11.0	100.0	60.5	NA	100.0	58.9	3.3
Maryland	NA	30.9	12.6	74.1	29.8	11.7	72.6	32.6	15.8
Massachusetts	98.5	NA	26.3	99.1	48.8	26.3	99.5	54.0	32.5
Michigan	93.3	60.4	9.4	92.8	59.9	9.3	92.9	61.6	11.6
Minnesota	100.0	91.6	18.8	100.0	86.5	18.7	100.0	87.1	17.9
Mississippi	100.0	86.2	NA	100.0	87.7	10.4	99.7	89.7	9.6
Missouri	100.0	NA	NA	100.0	77.5	14.7	100.0	77.2	18.0
Montana	99.4	54.6	2.4	99.7	52.3	NA	99.7	55.1	1.7
Nebraska	87.6	59.8	NA	88.3	61.4	8.3	88.6	60.9	9.4
Nevada	100.0	67.3	18.3	100.0	66.4	17.0	100.0	65.7	16.1
New Hampshire	100.0	56.7	7.9	100.0	56.8	NA	100.0	61.7	14.7
New Jersey	94.5	NA	NA	94.2	45.3	10.2	93.0	51.2	12.5
New Mexico	100.0	60.7	NA	100.0	61.2	5.0	100.0	61.9	4.0
New York	100.0	100.0	7.6	100.0	100.0	7.6	100.0	100.0	7.8
North Carolina	100.0	NA	12.9	100.0	87.4	13.0	100.0	88.6	13.6
North Dakota	100.0	94.3	34.1	100.0	94.3	28.5	100.0	94.9	43.1
Ohio	NA	NA	NA	100.0	100.0	2.5	100.0	100.0	3.4
Oklahoma	100.0	51.1	1.0	100.0	50.2	0.8	100.0	53.7	1.3
Oregon	100.0	95.3	17.6	100.0	95.0	16.9	100.0	95.8	17.4
Pennsylvania	NA	40.0	1.7	87.3	40.9	1.7	86.3	45.0	2.2
Rhode Island	100.0	54.0	NA	100.0	54.1	3.8	100.0	56.2	8.0
South Carolina	100.0	92.2	41.3	100.0	93.3	41.4	100.0	93.5	42.3
South Dakota	100.0	84.0	6.2	100.0	82.8	6.5	100.0	83.9	6.9
Tennessee	100.0	90.8	24.1	100.0	91.4	29.1	100.0	93.1	30.3
Texas	NA	NA	NA	99.8	76.0	40.0	99.8	78.3	39.3
Utah	100.0	78.5	4.3	100.0	80.8	6.1	100.0	81.8	7.2
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	NA	90.3	57.0	11.4	90.0	61.1	15.5
Washington	100.0	88.5	8.5	100.0	87.8	8.0	100.0	86.9	7.2
West Virginia	100.0	59.8	9.3	100.0	61.5	NA	100.0	66.4	16.3
Wisconsin	100.0	77.2	19.3	100.0	77.2	19.1	100.0	77.9	21.8
Wyoming	71.2	50.2	NA	71.8	50.9	2.2	71.7	51.6	2.4
Total	95.9	69.2	15.0	95.9	69.2	15.3	95.6	70.6	15.3

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2017								
	March			February			January		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	77.8	27.2	100.0	81.8	26.7	100.0	80.5	26.6
Alaska	100.0	99.1	100.0	100.0	99.1	100.0	100.0	99.2	100.0
Arizona	100.0	82.9	13.9	NA	85.7	14.2	100.0	85.2	13.6
Arkansas	100.0	43.1	2.0	100.0	46.7	2.0	100.0	51.8	1.8
California	94.6	54.0	4.5	95.1	57.0	5.0	NA	56.7	4.8
Colorado	100.0	93.5	7.4	100.0	94.2	9.0	100.0	94.6	8.9
Connecticut	96.3	79.7	NA	96.5	76.8	51.8	96.7	79.9	52.0
Delaware	100.0	40.0	0.6	100.0	44.6	0.6	100.0	44.7	0.6
District of Columbia	75.5	22.2	0.0	NA	NA	0.0	NA	NA	0.0
Florida	90.0	30.1	3.4	90.2	30.1	4.0	NA	29.5	3.2
Georgia	100.0	100.0	26.8	100.0	100.0	27.7	100.0	100.0	25.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	77.0	2.5	100.0	82.5	3.2	100.0	87.0	2.7
Illinois	86.4	38.2	8.6	85.4	37.0	8.4	86.4	39.4	9.8
Indiana	95.7	68.3	2.1	95.7	66.8	2.5	95.9	68.8	2.7
Iowa	100.0	71.5	NA	100.0	73.3	3.5	100.0	74.7	4.5
Kansas	100.0	55.9	4.8	100.0	63.6	NA	100.0	67.6	1.5
Kentucky	96.8	79.4	20.8	96.3	80.7	19.3	96.7	83.2	18.7
Louisiana	100.0	NA	NA	100.0	NA	NA	100.0	NA	NA
Maine	100.0	62.8	11.3	100.0	64.6	10.6	100.0	63.4	10.9
Maryland	75.5	28.0	11.6	75.2	32.3	12.8	NA	32.5	13.5
Massachusetts	98.5	NA	26.4	98.5	46.2	24.9	98.5	48.1	27.4
Michigan	93.5	58.4	8.3	93.0	59.7	9.0	93.3	62.8	10.7
Minnesota	100.0	91.9	17.1	100.0	92.2	17.6	100.0	91.1	21.4
Mississippi	100.0	85.2	NA	100.0	84.9	NA	100.0	87.7	9.7
Missouri	100.0	72.6	12.5	100.0	NA	NA	100.0	79.0	NA
Montana	99.4	51.4	1.6	99.3	55.5	2.7	99.4	55.9	2.7
Nebraska	87.6	59.5	NA	87.6	59.4	8.2	87.7	60.4	8.2
Nevada	100.0	62.5	16.3	100.0	69.3	20.0	100.0	69.1	18.7
New Hampshire	100.0	56.9	9.1	100.0	56.3	7.2	100.0	57.0	7.4
New Jersey	94.6	48.4	NA	94.5	49.5	NA	94.4	NA	NA
New Mexico	100.0	61.2	NA	100.0	64.1	NA	100.0	57.7	5.6
New York	100.0	100.0	7.4	100.0	100.0	7.9	100.0	100.0	7.6
North Carolina	100.0	NA	12.0	100.0	84.4	12.6	100.0	87.4	14.1
North Dakota	100.0	94.1	37.9	100.0	94.1	27.4	100.0	94.5	35.6
Ohio	100.0	NA	NA	NA	100.0	2.6	100.0	100.0	2.3
Oklahoma	100.0	44.8	0.6	100.0	52.3	1.1	100.0	53.4	1.4
Oregon	100.0	94.8	17.1	100.0	95.1	17.6	100.0	95.8	17.9
Pennsylvania	88.1	38.9	1.6	87.4	39.7	1.6	NA	41.0	1.9
Rhode Island	100.0	54.1	4.0	100.0	53.4	NA	100.0	54.6	4.0
South Carolina	100.0	91.7	40.8	100.0	92.0	42.9	100.0	92.9	40.5
South Dakota	100.0	82.8	5.5	100.0	83.6	6.6	100.0	85.0	6.6
Tennessee	100.0	89.3	24.1	100.0	91.0	23.8	100.0	91.6	24.4
Texas	99.8	72.0	39.1	99.8	NA	38.7	NA	NA	NA
Utah	100.0	76.9	4.6	100.0	77.1	4.1	100.0	80.8	4.2
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	NA	89.5	53.6	NA	NA	NA	13.5
Washington	100.0	87.7	7.9	100.0	88.0	8.5	100.0	89.5	9.0
West Virginia	100.0	59.3	8.8	100.0	59.3	10.3	100.0	60.6	9.0
Wisconsin	100.0	75.2	17.5	100.0	76.8	18.6	100.0	79.0	21.5
Wyoming	70.6	49.2	NA	71.0	49.5	1.1	71.7	51.3	NA
Total	95.7	67.8	15.0	95.9	69.0	15.1	96.0	70.5	15.0

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2016								
	Total			December			November		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	NA	NA	100.0	76.2	NA	100.0	NA	24.6
Alaska	100.0	98.4	100.0	100.0	99.1	100.0	100.0	98.9	100.0
Arizona	100.0	82.7	15.9	100.0	83.6	14.1	100.0	80.4	15.2
Arkansas	100.0	NA	1.5	100.0	NA	1.4	100.0	NA	1.9
California	95.1	51.2	3.9	95.4	54.1	4.1	95.7	52.2	4.5
Colorado	100.0	94.1	NA	100.0	95.6	9.4	100.0	94.6	7.6
Connecticut	96.2	NA	49.4	96.4	77.6	52.9	95.9	75.7	49.6
Delaware	100.0	37.2	NA	100.0	36.1	0.5	100.0	29.5	NA
District of Columbia	73.2	19.5	0.0	73.8	21.8	0.0	70.3	17.4	0.0
Florida	97.6	29.9	3.3	97.5	29.3	3.3	97.2	29.6	3.4
Georgia	NA	100.0	22.5	100.0	100.0	24.4	100.0	100.0	23.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	75.0	2.4	100.0	85.4	2.6	100.0	75.5	2.4
Illinois	86.7	NA	NA	88.2	40.1	9.7	88.1	33.7	5.6
Indiana	NA	NA	1.8	96.0	70.8	2.3	95.9	66.5	1.6
Iowa	100.0	NA	NA	100.0	74.0	4.2	100.0	69.2	5.8
Kansas	NA	NA	8.2	NA	64.4	1.8	NA	50.4	4.6
Kentucky	96.9	78.0	17.6	97.5	82.4	18.1	98.1	73.8	16.6
Louisiana	100.0	NA	NA	100.0	76.8	NA	100.0	75.0	NA
Maine	NA	NA	NA	100.0	61.2	12.0	100.0	54.3	11.8
Maryland	74.2	25.9	NA	76.2	29.9	NA	75.9	24.0	7.2
Massachusetts	98.9	41.6	23.0	98.7	46.4	23.5	98.7	38.9	19.7
Michigan	92.9	55.3	NA	93.3	60.8	9.0	93.2	54.8	5.6
Minnesota	100.0	84.9	15.4	100.0	89.6	18.3	100.0	87.8	18.2
Mississippi	NA	84.2	9.6	100.0	86.5	9.2	100.0	80.7	9.4
Missouri	100.0	71.8	NA	100.0	75.6	13.9	100.0	64.1	10.5
Montana	99.6	47.7	NA	99.5	49.3	2.2	99.5	41.7	1.3
Nebraska	87.5	58.3	6.1	86.0	56.9	6.4	85.2	47.5	5.6
Nevada	100.0	58.5	NA	100.0	65.4	NA	100.0	55.7	13.6
New Hampshire	100.0	53.7	NA	100.0	54.5	6.7	100.0	51.0	4.6
New Jersey	94.3	37.3	NA	94.4	39.2	9.1	94.4	38.9	5.3
New Mexico	100.0	54.2	9.2	100.0	52.4	10.1	99.9	40.4	14.2
New York	100.0	100.0	5.8	100.0	100.0	5.9	100.0	100.0	4.6
North Carolina	100.0	NA	10.9	100.0	85.6	12.3	100.0	83.3	10.6
North Dakota	100.0	92.8	30.3	100.0	94.2	26.9	100.0	92.8	34.9
Ohio	100.0	100.0	NA	100.0	100.0	2.2	100.0	100.0	1.3
Oklahoma	100.0	NA	NA	100.0	38.0	0.7	100.0	NA	0.2
Oregon	100.0	NA	15.4	100.0	95.6	17.0	100.0	94.3	16.1
Pennsylvania	87.6	37.3	NA	88.0	40.3	1.6	88.9	38.2	0.8
Rhode Island	100.0	52.8	3.3	100.0	54.5	3.6	100.0	51.7	2.7
South Carolina	100.0	91.6	41.2	100.0	92.6	39.1	100.0	91.6	40.9
South Dakota	100.0	80.5	4.5	100.0	83.3	6.7	100.0	80.8	6.7
Tennessee	100.0	NA	26.6	100.0	89.6	24.6	100.0	85.0	24.0
Texas	NA	NA	NA	99.7	74.9	37.1	99.5	64.4	37.8
Utah	100.0	76.1	5.5	100.0	80.8	5.0	100.0	67.9	4.4
Vermont	100.0	NA	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.1	52.1	10.3	91.2	62.3	14.3	91.7	46.5	11.1
Washington	NA	NA	6.3	100.0	90.3	8.0	100.0	86.5	6.7
West Virginia	100.0	50.8	NA	100.0	60.6	10.8	100.0	50.8	8.0
Wisconsin	100.0	70.9	16.0	100.0	77.5	19.7	100.0	70.1	17.0
Wyoming	NA	52.3	1.8	74.6	58.6	2.1	74.0	53.4	1.6
Total	95.9	64.9	14.8	96.0	68.2	14.7	96.0	63.6	14.5

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2016								
	October			September			August		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	69.7	25.3	100.0	73.8	NA	100.0	72.1	24.5
Alaska	100.0	97.5	100.0	100.0	96.5	100.0	100.0	96.6	100.0
Arizona	100.0	78.2	18.5	100.0	79.5	19.8	100.0	79.6	14.3
Arkansas	100.0	25.8	1.5	100.0	28.4	1.5	100.0	26.9	1.1
California	95.0	49.7	4.3	94.8	47.0	3.1	94.4	43.3	3.2
Colorado	100.0	92.3	NA	100.0	90.6	NA	100.0	89.1	4.3
Connecticut	95.1	72.7	47.9	95.6	71.8	48.8	95.6	69.6	49.8
Delaware	100.0	22.8	NA	100.0	23.4	NA	100.0	24.2	0.2
District of Columbia	69.9	16.0	0.0	68.7	13.6	0.0	69.4	14.8	0.0
Florida	97.4	29.2	3.1	97.7	28.0	3.2	97.8	29.6	3.2
Georgia	100.0	100.0	22.2	NA	100.0	21.0	100.0	100.0	23.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	67.2	2.2	100.0	59.6	2.2	100.0	61.4	2.5
Illinois	87.1	28.9	4.1	86.1	22.1	NA	86.0	NA	2.2
Indiana	95.0	63.7	1.5	95.6	56.2	1.0	95.6	50.7	1.0
Iowa	100.0	65.9	4.3	100.0	NA	3.0	100.0	49.1	2.6
Kansas	100.0	37.6	5.7	100.0	30.4	12.8	100.0	29.6	21.4
Kentucky	98.0	69.3	16.9	97.6	66.8	17.3	97.6	64.7	17.6
Louisiana	100.0	73.6	3.2	100.0	76.0	3.1	100.0	75.4	3.1
Maine	100.0	49.8	6.9	NA	NA	5.1	100.0	47.4	5.7
Maryland	74.4	21.2	2.7	73.5	16.8	2.5	71.7	18.4	1.7
Massachusetts	98.6	31.5	19.3	98.7	24.2	19.5	98.6	23.7	18.4
Michigan	93.1	48.7	3.5	93.6	38.9	NA	92.1	32.8	2.5
Minnesota	100.0	83.3	16.7	100.0	74.3	12.4	100.0	73.8	12.1
Mississippi	100.0	81.0	10.9	100.0	80.3	10.9	100.0	81.2	9.0
Missouri	100.0	61.3	NA	100.0	60.8	9.2	100.0	59.7	8.4
Montana	99.6	40.6	NA	99.5	37.2	NA	99.5	37.6	NA
Nebraska	88.1	57.0	5.2	88.0	54.1	5.1	90.0	55.8	4.5
Nevada	100.0	50.0	11.9	100.0	48.5	NA	100.0	47.4	NA
New Hampshire	100.0	47.2	2.7	100.0	47.2	1.9	100.0	47.4	2.4
New Jersey	94.6	30.5	3.2	94.2	19.4	2.2	94.2	16.5	NA
New Mexico	100.0	43.2	13.6	100.0	45.7	10.2	99.9	46.0	13.1
New York	100.0	100.0	4.6	100.0	100.0	4.2	100.0	100.0	4.0
North Carolina	100.0	77.7	9.2	100.0	76.5	10.1	100.0	NA	9.0
North Dakota	100.0	90.7	38.0	100.0	88.8	39.1	100.0	86.1	9.7
Ohio	100.0	100.0	0.8	100.0	100.0	0.7	100.0	100.0	0.7
Oklahoma	100.0	25.5	0.2	100.0	27.5	0.4	100.0	26.9	NA
Oregon	100.0	94.3	15.0	100.0	92.9	14.9	100.0	92.9	13.8
Pennsylvania	88.1	33.0	0.5	88.1	27.2	0.4	87.8	28.0	0.4
Rhode Island	100.0	54.0	3.5	100.0	54.2	2.7	100.0	55.6	2.3
South Carolina	100.0	90.1	41.4	100.0	89.2	42.1	100.0	90.0	40.3
South Dakota	100.0	76.4	3.1	100.0	72.1	1.9	100.0	69.1	1.9
Tennessee	100.0	NA	23.1	100.0	79.1	24.6	100.0	77.7	26.8
Texas	99.7	62.8	38.2	99.8	62.5	40.0	99.8	61.3	NA
Utah	100.0	66.7	4.5	100.0	62.4	5.1	100.0	60.4	4.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.9	45.9	10.9	87.8	37.3	8.5	87.5	42.8	7.8
Washington	100.0	85.4	5.4	100.0	81.4	5.0	100.0	78.5	4.5
West Virginia	100.0	39.0	14.6	100.0	29.7	13.7	100.0	27.0	11.8
Wisconsin	100.0	61.9	14.9	100.0	51.7	11.9	100.0	49.4	12.2
Wyoming	77.6	55.8	1.5	72.1	51.8	1.7	75.6	53.2	11.4
Total	95.9	60.0	14.5	96.1	56.2	14.6	95.8	54.9	14.7

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2016								
	July			June			May		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	72.5	24.2	100.0	73.4	21.8	100.0	73.2	24.3
Alaska	100.0	96.2	100.0	100.0	97.0	100.0	100.0	98.0	100.0
Arizona	100.0	80.6	18.5	100.0	81.6	20.3	100.0	81.5	15.2
Arkansas	100.0	26.4	1.2	100.0	26.3	1.1	100.0	27.7	1.1
California	94.9	47.4	3.3	94.6	48.4	3.8	95.1	53.3	3.7
Colorado	100.0	90.9	4.6	100.0	91.4	5.3	100.0	93.3	7.1
Connecticut	96.0	71.0	50.0	95.3	71.1	44.5	95.4	73.2	46.4
Delaware	100.0	26.5	NA	100.0	31.2	0.2	100.0	35.9	0.1
District of Columbia	70.2	15.3	--	70.3	15.8	--	70.6	17.0	--
Florida	97.8	27.0	3.1	97.8	28.3	3.5	97.8	30.3	3.2
Georgia	100.0	100.0	22.9	100.0	100.0	23.2	100.0	100.0	21.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	58.9	2.4	100.0	59.8	2.5	100.0	62.4	2.3
Illinois	85.7	22.0	NA	86.3	23.8	NA	82.9	24.9	NA
Indiana	95.1	53.6	0.9	95.0	54.1	1.0	95.2	59.6	1.3
Iowa	100.0	53.8	2.2	100.0	57.3	2.4	100.0	62.0	3.5
Kansas	100.0	32.1	18.0	100.0	35.3	13.2	100.0	NA	5.5
Kentucky	97.2	67.3	18.2	96.3	66.9	19.0	96.2	71.0	17.5
Louisiana	100.0	NA	2.9	100.0	78.1	3.0	100.0	75.8	3.0
Maine	100.0	49.9	5.6	100.0	50.8	NA	100.0	56.6	NA
Maryland	71.5	16.0	1.3	72.3	20.0	2.0	71.6	24.3	4.0
Massachusetts	98.6	27.3	20.6	98.5	28.7	20.8	98.7	36.9	21.5
Michigan	92.9	38.4	2.3	92.3	41.1	2.6	92.3	49.5	4.4
Minnesota	100.0	71.9	11.2	100.0	75.9	10.6	100.0	82.2	13.7
Mississippi	100.0	79.6	8.8	NA	79.9	8.8	100.0	80.2	8.3
Missouri	100.0	60.3	8.1	100.0	62.1	8.8	100.0	63.6	8.7
Montana	99.5	39.5	NA	99.5	44.0	NA	99.5	43.9	1.2
Nebraska	88.6	55.9	4.4	87.7	56.6	5.7	85.3	56.4	6.2
Nevada	100.0	49.0	NA	100.0	51.6	9.2	100.0	53.1	10.7
New Hampshire	100.0	44.2	2.7	100.0	46.5	NA	100.0	50.7	NA
New Jersey	94.2	22.4	NA	94.4	24.3	3.0	94.5	31.5	3.3
New Mexico	100.0	47.6	10.7	99.9	51.5	8.9	100.0	55.3	7.5
New York	100.0	100.0	5.3	100.0	100.0	5.0	100.0	100.0	5.6
North Carolina	100.0	75.2	9.1	100.0	77.3	9.2	100.0	77.9	9.5
North Dakota	100.0	86.6	16.3	100.0	85.0	37.8	100.0	90.4	39.8
Ohio	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	0.9
Oklahoma	100.0	29.3	NA	100.0	31.9	NA	100.0	29.6	0.2
Oregon	100.0	NA	13.5	100.0	93.0	13.6	100.0	93.6	13.7
Pennsylvania	87.6	26.8	0.3	87.1	27.1	NA	86.9	30.2	NA
Rhode Island	100.0	53.9	3.5	100.0	46.6	3.7	100.0	47.1	3.1
South Carolina	100.0	89.4	40.3	100.0	90.7	42.5	100.0	89.4	41.2
South Dakota	100.0	73.0	2.4	100.0	72.3	3.0	100.0	77.0	3.6
Tennessee	100.0	79.8	25.6	100.0	79.9	26.5	100.0	83.7	27.8
Texas	99.8	64.2	NA	NA	NA	41.4	99.8	63.0	42.1
Utah	100.0	66.2	5.6	100.0	67.5	6.2	100.0	69.4	6.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.7	39.9	9.3	87.9	43.5	7.6	88.5	47.7	11.0
Washington	100.0	81.1	4.3	NA	NA	4.4	100.0	81.4	5.3
West Virginia	100.0	29.0	10.6	100.0	28.7	11.8	100.0	32.4	13.7
Wisconsin	100.0	48.0	11.5	100.0	57.5	13.0	100.0	58.7	12.1
Wyoming	NA	52.4	1.5	72.6	45.8	1.5	73.2	52.5	1.9
Total	95.9	57.0	14.3	95.7	58.1	14.6	95.4	60.4	14.6

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2016								
	April			March			February		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	75.9	21.5	100.0	81.9	24.1	100.0	84.2	25.9
Alaska	100.0	98.5	100.0	100.0	99.0	100.0	100.0	99.0	100.0
Arizona	100.0	83.1	14.5	100.0	83.3	14.3	100.0	85.7	14.0
Arkansas	100.0	38.3	1.4	100.0	46.4	1.7	100.0	53.1	1.8
California	94.6	54.2	4.0	94.9	52.5	3.7	94.9	53.4	4.8
Colorado	100.0	93.6	7.1	100.0	94.6	8.8	100.0	94.6	9.5
Connecticut	96.2	75.9	47.1	96.4	79.9	49.4	96.6	80.7	52.1
Delaware	100.0	40.8	0.1	100.0	47.8	0.4	100.0	49.4	0.5
District of Columbia	71.8	18.7	--	74.7	22.9	--	74.8	22.0	--
Florida	97.4	30.4	3.2	97.6	31.4	3.4	97.9	32.7	4.2
Georgia	100.0	100.0	22.7	100.0	100.0	21.8	100.0	100.0	22.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	67.4	2.4	100.0	76.5	2.3	100.0	80.3	2.3
Illinois	84.7	32.6	5.4	84.5	35.3	7.4	86.5	39.8	9.1
Indiana	NA	NA	1.8	95.3	64.0	2.1	95.9	70.2	2.7
Iowa	100.0	69.7	3.4	100.0	69.8	4.3	100.0	75.2	NA
Kansas	100.0	NA	7.7	100.0	49.9	4.2	100.0	65.8	1.2
Kentucky	96.2	75.6	18.3	95.9	79.7	17.1	96.4	83.5	18.4
Louisiana	100.0	79.4	3.5	100.0	81.0	3.4	100.0	81.0	3.8
Maine	100.0	60.5	NA	100.0	60.0	NA	100.0	61.4	NA
Maryland	73.6	25.3	6.0	72.5	28.4	8.9	74.4	30.5	12.5
Massachusetts	98.9	43.5	24.7	99.0	49.2	28.9	99.1	49.4	27.0
Michigan	92.8	57.7	6.6	92.5	58.7	8.5	92.8	60.0	9.9
Minnesota	100.0	82.8	11.1	100.0	83.5	17.2	100.0	86.5	21.7
Mississippi	NA	82.7	9.2	100.0	86.0	11.0	100.0	88.1	11.6
Missouri	100.0	70.9	12.1	100.0	77.3	13.9	100.0	76.4	16.0
Montana	99.6	52.3	NA	99.6	47.3	NA	99.7	52.0	1.9
Nebraska	86.0	58.4	6.3	89.2	63.4	7.5	89.6	61.2	8.6
Nevada	100.0	55.5	11.7	100.0	59.7	12.5	100.0	67.7	17.8
New Hampshire	100.0	53.4	NA	100.0	55.8	NA	100.0	57.3	NA
New Jersey	94.3	42.8	5.5	94.4	41.2	9.8	94.2	46.4	12.1
New Mexico	100.0	55.9	7.6	100.0	58.8	5.7	100.0	64.2	4.7
New York	100.0	100.0	5.5	100.0	100.0	7.6	100.0	100.0	8.3
North Carolina	100.0	81.0	10.7	100.0	81.5	12.2	100.0	88.0	13.9
North Dakota	100.0	92.7	22.9	100.0	93.5	30.6	100.0	94.4	23.6
Ohio	100.0	100.0	NA	100.0	100.0	2.0	100.0	100.0	2.9
Oklahoma	100.0	41.9	0.4	100.0	45.7	0.7	100.0	54.3	1.2
Oregon	100.0	93.7	15.0	100.0	94.5	16.3	100.0	94.9	16.9
Pennsylvania	87.3	35.0	0.9	87.1	37.7	1.4	87.1	41.6	2.1
Rhode Island	100.0	51.2	3.1	100.0	52.7	4.0	100.0	53.6	3.6
South Carolina	100.0	89.9	42.6	100.0	90.7	43.7	100.0	93.4	42.3
South Dakota	100.0	80.5	4.6	100.0	80.5	5.9	100.0	82.3	6.8
Tennessee	100.0	86.0	28.5	100.0	90.0	30.0	100.0	92.5	29.3
Texas	99.8	69.3	40.8	99.8	71.9	41.0	99.8	76.4	38.7
Utah	100.0	75.9	6.1	100.0	77.6	5.9	100.0	80.7	5.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.7	51.3	8.5	89.1	51.4	9.4	90.2	57.9	13.8
Washington	100.0	81.4	6.3	100.0	87.4	7.9	100.0	86.7	7.6
West Virginia	100.0	52.0	11.5	100.0	54.7	NA	100.0	63.6	16.7
Wisconsin	100.0	72.1	15.1	100.0	73.8	16.6	100.0	76.8	20.3
Wyoming	71.9	50.6	2.2	73.5	49.6	1.9	71.8	52.0	22.2
Total	95.6	65.1	14.5	95.6	66.8	15.3	95.9	69.5	15.4

^R Revised data.

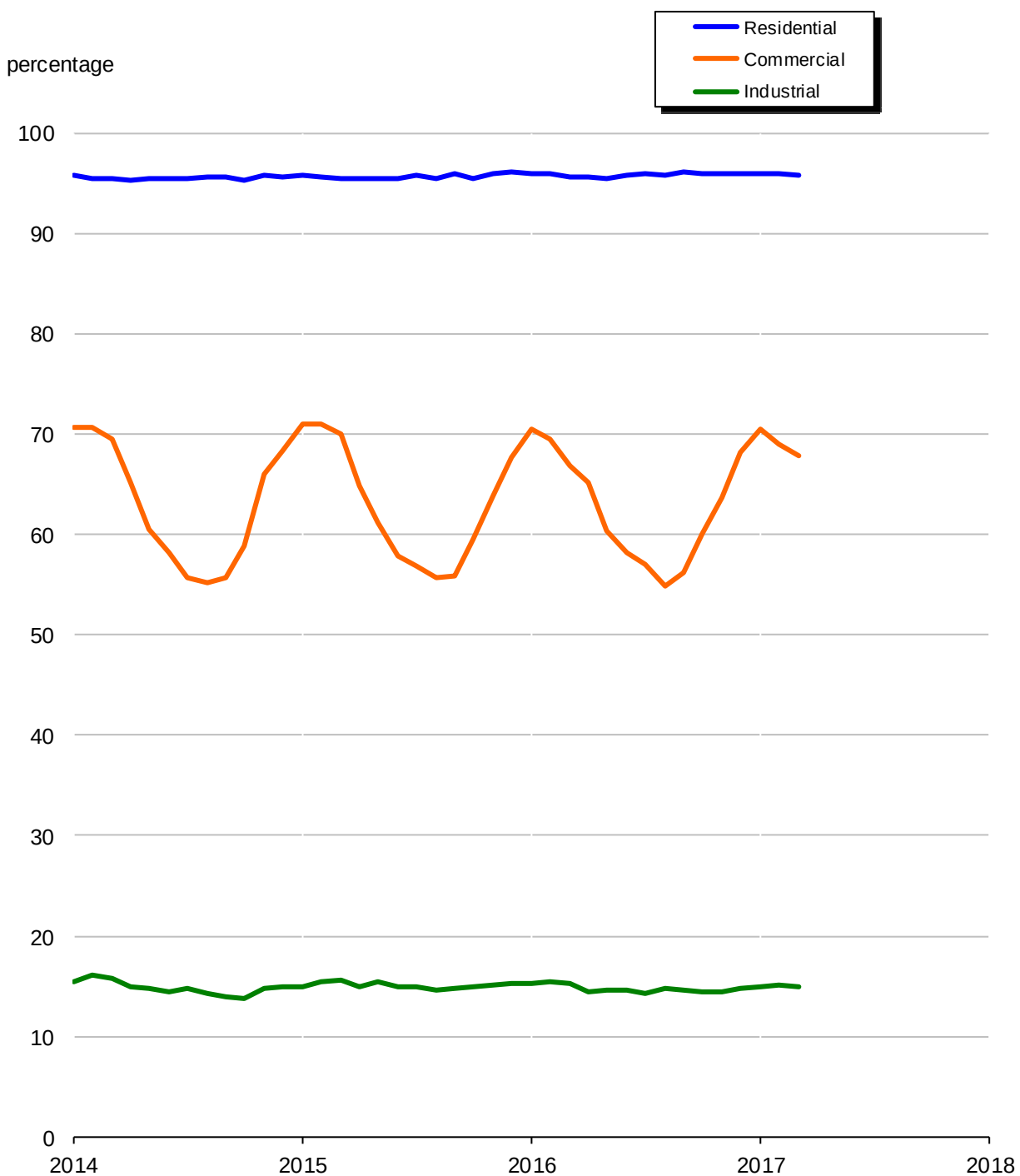
-- Not applicable.

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: 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, 2014-2017



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

Table 25. Heating value of natural gas consumed, by state, 2015-2017
(Btu per cubic foot)

State	2017 3-Month YTD	2016 3-Month YTD	2015 3-Month YTD	2017			2016 Total
				March	February	January	
Alabama	1,028	1,028	1,028	1,028	1,029	1,028	1,030
Alaska	999	1,001	1,000	996	1,000	1,000	1,001
Arizona	1,042	1,047	1,037	1,040	1,043	1,042	1,037
Arkansas	1,024	1,022	1,028	1,017	1,019	1,018	1,025
California	1,034	1,036	1,033	1,034	1,034	1,036	1,035
Colorado	1,060	1,052	1,047	1,062	1,060	1,060	1,062
Connecticut	1,026	1,026	1,024	1,026	1,026	1,026	1,026
Delaware	1,044	1,046	1,061	1,045	1,045	1,047	1,042
District of Columbia	1,049	1,048	1,046	1,047	1,049	1,051	1,043
Florida	1,024	1,021	1,024	1,023	1,025	1,024	1,023
Georgia	1,031	1,030	1,025	1,029	1,033	1,030	1,030
Hawaii	960	1,002	957	954	972	955	981
Idaho	1,035	1,036	1,039	1,037	1,036	1,036	1,033
Illinois	1,032	1,031	1,029	1,030	1,031	1,033	1,032
Indiana	1,039	1,033	1,029	1,034	1,034	1,038	1,039
Iowa	1,051	1,052	1,046	1,052	1,052	1,052	1,055
Kansas	1,039	1,034	1,034	1,037	1,036	1,042	1,036
Kentucky	1,041	1,027	1,021	1,035	1,035	1,037	1,032
Louisiana	1,034	1,032	1,036	1,022	1,022	1,023	1,033
Maine	1,042	1,034	1,033	1,036	1,049	1,037	1,025
Maryland	1,055	1,055	1,059	1,055	1,056	1,054	1,051
Massachusetts	1,031	1,031	1,033	1,031	1,031	1,031	1,030
Michigan	1,044	1,038	1,027	1,042	1,045	1,045	1,041
Minnesota	1,030	1,039	1,037	1,033	1,028	1,028	1,039
Mississippi	1,036	1,034	1,033	1,035	1,035	1,034	1,032
Missouri	1,022	1,024	1,020	1,021	1,022	1,022	1,024
Montana	1,033	1,030	1,027	1,036	1,034	1,036	1,031
Nebraska	1,055	1,049	1,052	1,058	1,060	1,057	1,055
Nevada	1,040	1,041	1,040	1,039	1,040	1,041	1,041
New Hampshire	1,033	1,035	1,037	1,032	1,036	1,032	1,029
New Jersey	1,043	1,043	1,050	1,043	1,042	1,043	1,040
New Mexico	1,044	1,047	1,037	1,042	1,043	1,045	1,047
New York	1,033	1,033	1,034	1,033	1,033	1,033	1,032
North Carolina	1,033	1,035	1,030	1,033	1,032	1,033	1,035
North Dakota	1,062	1,078	1,047	1,078	1,083	1,076	1,061
Ohio	1,071	1,072	1,062	1,072	1,071	1,071	1,070
Oklahoma	1,046	1,048	1,043	1,041	1,043	1,046	1,050
Oregon	1,036	1,035	1,031	1,035	1,035	1,036	1,039
Pennsylvania	1,040	1,045	1,051	1,040	1,040	1,041	1,041
Rhode Island	1,029	1,027	1,029	1,029	1,029	1,029	1,029
South Carolina	1,030	1,030	1,029	1,030	1,031	1,030	1,030
South Dakota	1,056	1,058	1,046	1,050	1,051	1,055	1,055
Tennessee	1,029	1,034	1,028	1,028	1,031	1,032	1,028
Texas	1,028	1,030	1,027	1,026	1,029	1,027	1,031
Utah	1,043	1,044	1,043	1,043	1,043	1,043	1,042
Vermont	1,034	1,030	1,029	1,033	1,036	1,034	1,026
Virginia	1,053	1,055	1,052	1,057	1,052	1,057	1,053
Washington	1,077	1,075	1,056	1,078	1,075	1,076	1,080
West Virginia	1,082	1,090	1,079	1,086	1,089	1,084	1,088
Wisconsin	1,037	1,042	1,041	1,035	1,038	1,041	1,035
Wyoming	1,068	1,071	1,052	1,055	1,066	1,060	1,069
Total	1,038	1,038	1,036	1,037	1,038	1,039	1,037

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2015-2017
(Btu per cubic foot) – continued

State	2016						
	December	November	October	September	August	July	June
Alabama	1,030	1,030	1,031	1,032	1,031	1,029	1,026
Alaska	1,000	1,000	1,001	1,002	1,003	1,003	1,003
Arizona	1,039	1,034	1,031	1,034	1,035	1,031	1,031
Arkansas	1,019	1,021	1,018	1,020	1,022	1,021	1,020
California	1,034	1,032	1,033	1,037	1,038	1,035	1,042
Colorado	1,059	1,063	1,069	1,075	1,074	1,072	1,071
Connecticut	1,026	1,026	1,026	1,026	1,025	1,025	1,026
Delaware	1,047	1,045	1,046	1,046	1,043	1,044	1,042
District of Columbia	1,045	1,040	1,035	1,038	1,038	1,038	1,034
Florida	1,025	1,024	1,023	1,026	1,026	1,023	1,020
Georgia	1,031	1,030	1,032	1,032	1,029	1,028	1,027
Hawaii	954	947	952	945	947	967	1,050
Idaho	1,033	1,036	1,035	1,035	1,035	1,028	1,035
Illinois	1,033	1,031	1,029	1,028	1,030	1,029	1,027
Indiana	1,035	1,046	1,048	1,042	1,047	1,035	1,042
Iowa	1,056	1,059	1,059	1,059	1,061	1,057	1,058
Kansas	1,038	1,039	1,037	1,038	1,039	1,033	1,034
Kentucky	1,026	1,039	1,027	1,030	1,038	1,033	1,025
Louisiana	1,023	1,022	1,022	1,026	1,028	1,022	1,023
Maine	1,030	1,018	1,016	1,019	1,026	1,023	1,023
Maryland	1,050	1,045	1,042	1,046	1,051	1,052	1,046
Massachusetts	1,030	1,029	1,029	1,029	1,028	1,028	1,029
Michigan	1,044	1,048	1,047	1,047	1,052	1,044	1,041
Minnesota	1,033	1,033	1,037	1,038	1,036	1,034	1,044
Mississippi	1,033	1,037	1,032	1,034	1,031	1,022	1,030
Missouri	1,024	1,024	1,024	1,023	1,024	1,022	1,022
Montana	1,035	1,039	1,029	1,034	1,033	1,028	1,029
Nebraska	1,059	1,063	1,068	1,069	1,073	1,070	1,064
Nevada	1,041	1,038	1,039	1,044	1,045	1,044	1,038
New Hampshire	1,031	1,027	1,028	1,026	1,026	1,026	1,028
New Jersey	1,042	1,040	1,038	1,038	1,039	1,038	1,037
New Mexico	1,041	1,040	1,039	1,048	1,055	1,046	1,049
New York	1,033	1,031	1,030	1,030	1,029	1,029	1,030
North Carolina	1,032	1,034	1,039	1,037	1,035	1,033	1,034
North Dakota	1,092	1,075	1,072	1,061	1,090	1,089	1,070
Ohio	1,073	1,071	1,072	1,068	1,067	1,068	1,069
Oklahoma	1,053	1,050	1,050	1,053	1,051	1,049	1,046
Oregon	1,038	1,035	1,038	1,038	1,046	1,045	1,044
Pennsylvania	1,040	1,039	1,040	1,041	1,039	1,040	1,041
Rhode Island	1,028	1,028	1,030	1,029	1,028	1,028	1,028
South Carolina	1,031	1,029	1,031	1,030	1,030	1,029	1,029
South Dakota	1,052	1,052	1,053	1,056	1,057	1,060	1,058
Tennessee	1,033	1,035	1,028	1,026	1,025	1,025	1,024
Texas	1,029	1,028	1,030	1,034	1,035	1,031	1,027
Utah	1,043	1,042	1,041	1,041	1,042	1,042	1,040
Vermont	1,029	1,022	1,019	1,016	1,017	1,016	1,025
Virginia	1,054	1,055	1,052	1,053	1,054	1,054	1,052
Washington	1,080	1,083	1,081	1,076	1,085	1,085	1,080
West Virginia	1,085	1,083	1,083	1,103	1,109	1,108	1,118
Wisconsin	1,041	1,033	1,036	1,029	1,026	1,026	1,033
Wyoming	1,057	1,056	1,050	1,054	1,058	1,053	1,048
Total	1,039	1,037	1,036	1,037	1,037	1,034	1,034

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2015-2017
(Btu per cubic foot) – continued

State	2016					2015	
	May	April	March	February	January	Total	December
Alabama	1,028	1,028	1,030	1,025	1,029	1,030	1,029
Alaska	1,002	1,001	1,001	1,000	1,000	1,001	1,000
Arizona	1,037	1,042	1,050	1,047	1,046	1,040	1,044
Arkansas	1,018	1,019	1,017	1,015	1,019	1,020	1,015
California	1,021	1,035	1,034	1,036	1,038	1,036	1,037
Colorado	1,066	1,065	1,055	1,052	1,050	1,060	1,051
Connecticut	1,025	1,026	1,026	1,026	1,026	1,027	1,026
Delaware	1,042	1,044	1,043	1,050	1,055	1,050	1,049
District of Columbia	1,035	1,040	1,043	1,049	1,051	1,044	1,044
Florida	1,021	1,023	1,024	1,025	1,015	1,024	1,023
Georgia	1,030	1,028	1,030	1,030	1,029	1,027	1,027
Hawaii	1,018	992	1,003	1,004	998	982	997
Idaho	1,044	1,056	1,044	1,038	1,034	1,030	1,041
Illinois	1,032	1,032	1,030	1,031	1,031	1,029	1,030
Indiana	1,038	1,034	1,032	1,033	1,030	1,027	1,033
Iowa	1,057	1,053	1,052	1,052	1,053	1,053	1,056
Kansas	1,032	1,033	1,037	1,036	1,032	1,036	1,031
Kentucky	1,018	1,026	1,023	1,025	1,027	1,023	1,024
Louisiana	1,022	1,021	1,022	1,025	1,024	1,025	1,023
Maine	1,019	1,024	1,030	1,037	1,035	1,027	1,027
Maryland	1,047	1,048	1,050	1,055	1,061	1,055	1,050
Massachusetts	1,029	1,029	1,030	1,032	1,031	1,029	1,030
Michigan	1,038	1,040	1,036	1,038	1,040	1,033	1,040
Minnesota	1,042	1,041	1,039	1,035	1,043	1,040	1,041
Mississippi	1,036	1,033	1,039	1,032	1,031	1,030	1,030
Missouri	1,021	1,024	1,024	1,023	1,024	1,012	1,023
Montana	1,023	1,023	1,027	1,030	1,033	1,026	1,034
Nebraska	1,064	1,062	1,048	1,054	1,054	1,057	1,053
Nevada	1,039	1,042	1,037	1,042	1,043	1,042	1,042
New Hampshire	1,027	1,029	1,031	1,039	1,035	1,030	1,030
New Jersey	1,037	1,039	1,042	1,043	1,044	1,045	1,044
New Mexico	1,052	1,048	1,048	1,048	1,046	1,038	1,046
New York	1,029	1,033	1,033	1,034	1,033	1,032	1,033
North Carolina	1,038	1,038	1,037	1,034	1,034	1,035	1,034
North Dakota	1,091	1,108	1,099	1,095	1,095	1,086	1,112
Ohio	1,070	1,068	1,070	1,072	1,073	1,068	1,077
Oklahoma	1,047	1,044	1,048	1,047	1,049	1,047	1,050
Oregon	1,043	1,038	1,036	1,034	1,033	1,036	1,036
Pennsylvania	1,042	1,042	1,042	1,045	1,048	1,047	1,046
Rhode Island	1,029	1,034	1,025	1,027	1,032	1,028	1,028
South Carolina	1,030	1,031	1,029	1,031	1,031	1,030	1,030
South Dakota	1,054	1,052	1,053	1,058	1,060	1,054	1,058
Tennessee	1,031	1,031	1,034	1,035	1,035	1,029	1,034
Texas	1,029	1,032	1,030	1,028	1,029	1,034	1,030
Utah	1,041	1,042	1,041	1,043	1,046	1,044	1,046
Vermont	1,023	1,028	1,030	1,032	1,029	1,025	1,027
Virginia	1,054	1,052	1,056	1,055	1,055	1,052	1,057
Washington	1,078	1,078	1,077	1,075	1,070	1,065	1,073
West Virginia	1,096	1,096	1,096	1,096	1,092	1,097	1,090
Wisconsin	1,037	1,038	1,038	1,046	1,045	1,042	1,044
Wyoming	1,053	1,055	1,071	1,052	1,056	1,060	1,054
Total	1,034	1,037	1,037	1,038	1,038	1,037	1,038

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2015-2017
(Btu per cubic foot) – continued

State							2015
	November	October	September	August	July	June	May
Alabama	1,029	1,030	1,030	1,030	1,032	1,032	1,031
Alaska	1,001	1,001	1,001	1,002	1,002	1,002	1,001
Arizona	1,041	1,042	1,040	1,038	1,038	1,036	1,038
Arkansas	1,014	1,029	1,019	1,022	1,023	1,020	1,022
California	1,037	1,035	1,037	1,037	1,037	1,037	1,033
Colorado	1,060	1,069	1,076	1,069	1,073	1,070	1,059
Connecticut	1,027	1,028	1,026	1,026	1,027	1,027	1,049
Delaware	1,051	1,051	1,043	1,044	1,044	1,055	1,055
District of Columbia	1,039	1,045	1,035	1,036	1,037	1,040	1,044
Florida	1,023	1,023	1,024	1,024	1,026	1,026	1,026
Georgia	1,026	1,028	1,029	1,028	1,030	1,031	1,028
Hawaii	996	996	989	965	1,011	1,005	990
Idaho	1,035	1,033	1,024	1,028	1,034	1,010	1,000
Illinois	1,030	1,028	1,028	1,027	1,027	1,027	1,029
Indiana	1,034	1,039	1,041	1,044	1,043	1,043	1,037
Iowa	1,057	1,058	1,058	1,059	1,059	1,060	1,054
Kansas	1,035	1,037	1,039	1,042	1,040	1,039	1,044
Kentucky	1,021	1,024	1,020	1,015	1,024	1,021	1,023
Louisiana	1,022	1,023	1,023	1,024	1,028	1,027	1,028
Maine	1,025	1,026	1,019	1,018	1,020	1,020	1,022
Maryland	1,049	1,053	1,050	1,049	1,055	1,057	1,058
Massachusetts	1,029	1,028	1,027	1,028	1,029	1,027	1,027
Michigan	1,041	1,034	1,036	1,035	1,034	1,033	1,028
Minnesota	1,045	1,041	1,039	1,041	1,043	1,047	1,044
Mississippi	1,029	1,028	1,031	1,029	1,030	1,030	1,032
Missouri	1,024	1,025	1,026	1,026	1,026	1,026	1,024
Montana	1,034	1,032	1,032	1,033	1,031	1,030	1,019
Nebraska	1,055	1,060	1,068	1,071	1,068	1,063	1,061
Nevada	1,043	1,043	1,044	1,043	1,044	1,045	1,043
New Hampshire	1,029	1,029	1,028	1,028	1,027	1,028	1,028
New Jersey	1,044	1,041	1,041	1,042	1,043	1,043	1,043
New Mexico	1,042	1,048	1,040	1,049	1,038	1,039	1,038
New York	1,032	1,032	1,032	1,031	1,031	1,032	1,032
North Carolina	1,033	1,040	1,038	1,037	1,038	1,033	1,035
North Dakota	1,097	1,093	1,078	1,095	1,117	1,089	1,084
Ohio	1,077	1,071	1,071	1,068	1,069	1,068	1,072
Oklahoma	1,047	1,049	1,049	1,047	1,050	1,049	1,048
Oregon	1,035	1,036	1,038	1,039	1,039	1,042	1,039
Pennsylvania	1,046	1,045	1,044	1,044	1,044	1,046	1,050
Rhode Island	1,028	1,028	1,028	1,028	1,028	1,028	1,028
South Carolina	1,030	1,031	1,031	1,029	1,031	1,030	1,030
South Dakota	1,053	1,053	1,056	1,060	1,062	1,059	1,054
Tennessee	1,031	1,032	1,025	1,023	1,027	1,025	1,025
Texas	1,033	1,036	1,036	1,035	1,036	1,036	1,036
Utah	1,044	1,044	1,042	1,043	1,043	1,043	1,043
Vermont	1,027	1,030	1,020	1,019	1,022	1,021	1,021
Virginia	1,051	1,053	1,055	1,054	1,056	1,055	1,055
Washington	1,069	1,064	1,066	1,065	1,070	1,069	1,065
West Virginia	1,114	1,090	1,102	1,099	1,099	1,096	1,107
Wisconsin	1,043	1,045	1,034	1,040	1,036	1,040	1,038
Wyoming	1,046	1,040	1,041	1,044	1,042	1,045	1,045
Total	1,038	1,037	1,037	1,036	1,037	1,037	1,037

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2015-2017
(Btu per cubic foot) – continued

State	2015			
	April	March	February	January
Alabama	1,032	1,029	1,026	1,028
Alaska	1,002	1,001	1,000	1,000
Arizona	1,040	1,036	1,038	1,038
Arkansas	1,025	1,023	1,023	1,021
California	1,034	1,033	1,035	1,034
Colorado	1,059	1,051	1,044	1,046
Connecticut	1,026	1,029	1,026	1,017
Delaware	1,051	1,062	1,061	1,061
District of Columbia	1,044	1,046	1,047	1,045
Florida	1,024	1,024	1,025	1,024
Georgia	1,026	1,025	1,026	1,025
Hawaii	959	947	954	968
Idaho	1,023	1,030	1,037	1,047
Illinois	1,028	1,029	1,030	1,027
Indiana	1,039	1,031	1,029	1,028
Iowa	1,051	1,047	1,047	1,045
Kansas	1,036	1,035	1,034	1,033
Kentucky	1,016	1,015	1,018	1,023
Louisiana	1,029	1,029	1,031	1,030
Maine	1,025	1,030	1,035	1,033
Maryland	1,051	1,058	1,061	1,059
Massachusetts	1,029	1,030	1,035	1,035
Michigan	1,035	1,030	1,026	1,027
Minnesota	1,037	1,033	1,034	1,041
Mississippi	1,037	1,031	1,033	1,036
Missouri	1,026	1,025	1,020	1,017
Montana	1,021	1,028	1,029	1,028
Nebraska	1,057	1,053	1,054	1,052
Nevada	1,043	1,041	1,040	1,040
New Hampshire	1,029	1,033	1,041	1,037
New Jersey	1,043	1,050	1,050	1,050
New Mexico	1,034	1,034	1,038	1,038
New York	1,034	1,034	1,035	1,034
North Carolina	1,035	1,030	1,028	1,030
North Dakota	1,084	1,072	1,078	1,036
Ohio	1,073	1,062	1,062	1,065
Oklahoma	1,045	1,044	1,043	1,042
Oregon	1,035	1,032	1,031	1,031
Pennsylvania	1,049	1,049	1,054	1,053
Rhode Island	1,029	1,029	1,029	1,029
South Carolina	1,029	1,028	1,028	1,030
South Dakota	1,051	1,047	1,048	1,048
Tennessee	1,027	1,029	1,029	1,028
Texas	1,034	1,029	1,028	1,026
Utah	1,049	1,047	1,046	1,039
Vermont	1,024	1,027	1,035	1,026
Virginia	1,045	1,051	1,053	1,056
Washington	1,062	1,060	1,054	1,052
West Virginia	1,103	1,069	1,084	1,097
Wisconsin	1,039	1,040	1,044	1,042
Wyoming	1,043	1,042	1,041	1,043
Total	1,037	1,036	1,036	1,036

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

Appendix A

Explanatory Notes

The 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 submission by well operators on the monthly Form EIA-914, "Monthly Crude Oil, Lease Condensate and Natural Gas Production Report." For 2014, monthly production volumes are available for only those states/areas that were collected

individually on the EIA-914 survey (Louisiana, New Mexico, Oklahoma, Texas, Wyoming, and the Federal Offshore Gulf of Mexico) and Alaska. Starting in 2015, 10 states (Arkansas, California, Colorado, Kansas, Montana, North Dakota, Ohio, Pennsylvania, Utah, and West Virginia) were added to the EIA-914 data collection and are reported individually. The remaining states/areas (Alabama, Arizona, Federal Offshore Pacific, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) are grouped in the "Other States" category. 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.) Gross withdrawals for the state of Alaska are obtained from summary reports posted by the state of Alaska, Oil and Gas Conservation Commission.

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

Prior to 2011, natural gas production data were collected from 32 gas-producing states on the voluntary Form EIA-895. The form requested data on gross withdrawals, gas vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and NGPL production (formerly known as extraction loss). Beginning in 2011, EIA has obtained similar data directly from the states. The Bureau of Safety & Environmental Enforcement also supplies data on the quantity and value of natural gas production from the Federal waters of the Gulf of Mexico.

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 2012 through 2013 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 the new regions are as follows:

East Region: Connecticut, Delaware, District of Columbia, Florida, Georgia, Massachusetts, Maryland, Maine, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia, and West Virginia.

South Central Region: Alabama, Arkansas, Kansas, Louisiana, Mississippi, Oklahoma, and Texas.

Midwest Region: Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, Tennessee, and Wisconsin.

Mountain Region: Arizona, Colorado, Idaho, Montana, Nebraska, Nevada, New Mexico, North Dakota, South Dakota, Utah, and Wyoming.

Pacific Region: California, Oregon, and Washington.

Monthly Data

Preliminary and final monthly data on underground storage levels, additions, and withdrawals are from the Form EIA-191, “Monthly Underground Gas Storage Report.” All operators of underground storage fields complete the survey.

Estimates of monthly LNG additions and withdrawals are calculated by applying the proportion of each month’s net injections to underground storage during the injection season to annual LNG additions and the proportion of each month’s net withdrawals from underground storage during the withdrawal season to annual LNG withdrawals.

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt “bed” or “dome” formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility’s daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Annual Data

Final annual data on additions and withdrawals from underground storage facilities are the sum of the monthly data from the EIA-191.

Annual data on LNG additions and withdrawals are from the EIA-176.

Note 6. Consumption

Monthly Data

All monthly data are considered preliminary until after publication of the NGA.

Annual Data

All annual data are from the NGA. Total consumption is the sum of the components of consumption listed below. Monthly data are revised after publication of the NGA.

Residential, Commercial, and Industrial Consumption

Preliminary estimates of monthly deliveries of natural gas to residential, commercial, and industrial consumers in 50 states are based on data reported on Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries.” See Appendix C, “Statistical Considerations,” for a detailed explanation of sample selection and estimation procedures. Monthly data for a given year are revised after the publication of the NGA to correct for any sampling errors. Final monthly data are

estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Vehicle Fuel Use

Monthly U.S. total estimates of natural gas (compressed or liquefied) used as vehicle fuel are derived from an annual estimate of vehicle fuel use provided by the Office of Electricity, Renewables, and Uranium Statistics of EIA.

Electric Power Consumption

Monthly estimates of deliveries of natural gas to electric power producers are derived from data submitted by the sample of electric power producers reporting monthly on Form EIA-923, "Power Plant Operations Report," which replaced Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." The estimates reported in the NGM represent gas delivered to electricity-only plants (utility and independent power producers) and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. For a discussion of these estimates, see the [Electric Power Monthly](#).

Pipeline and Distribution Use

Preliminary monthly estimates are based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's sum of total deliveries plus lease and plant fuel to compute the monthly estimate.

Monthly data are revised after the publication of the NGA. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised sum of total deliveries plus lease and plant fuel to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Monthly data are revised after publication of the NGA. Final monthly plant fuel data are based on a revised annual ratio of plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected directly from state agencies' websites where available. For states where these data are not available, lease fuel quantities were estimated by applying an average of the states' historical ratio of lease fuel to gross withdrawals. See the NGA for a complete discussion of this process.

Note 7. Balancing Item

The balancing item category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to data reporting problems or to issues in survey coverage. Preliminary monthly data in the balancing item category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total disposition. The balancing item may reflect problems in any of the surveys comprising natural gas supply or disposition.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents. Survey coverage problems include incomplete survey frames or problems in sampling design.

Annual data are from the NGA. For an explanation of the methodology used in calculating the annual balancing item, see the NGA.

Note 8. Average Price of Deliveries to Consumers

For most states, price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers by local distribution companies. Published prices are considered to be total prices paid by end-users per thousand cubic feet of natural gas in the respective sectors, inclusive of all tax, delivery, commodity, demand and other charges. In the states of Georgia, Maryland, New York, Ohio, and Pennsylvania, the residential and commercial sector prices reported in the NGM include data on prices of gas sold to customers in those sectors by energy marketers. These latter data are collected on Form EIA-910, "Monthly Natural Gas Marketer Survey." In 2008 through 2010, in the states of Florida, Georgia, Maryland, New Jersey, New York, Ohio, Pennsylvania, and Virginia, residential price data were based on total gas deliveries, and, in the states of Florida, Georgia, Maryland, Michigan, New York, Ohio, Pennsylvania, Virginia, and the District of Columbia, commercial price data were based on total gas deliveries. Beginning in 2011, however, residential and commercial price data are based on total gas deliveries in the states of Georgia, New York and Ohio only. Residential and commercial sector prices reported in the NGM include data on prices of gas sold to customers in those states by energy marketers as data quality becomes acceptable. Except for these states, none of the prices reflect average prices of natural gas transported to consumers for the account of third parties. Table 24 indicates the percentage of total deliveries included in residential, commercial, and industrial price estimates.

Prices of natural gas delivered to the electric power sector are derived from data reported on the Form EIA-923, "Power Plant Operations Report." Prices from these surveys are also published in the [Electric Power Monthly](#).

Note 9. NGPL Composite Spot Price and Natural Gas Spot Price

Monthly Data

The natural gas plant liquids (NGPL) composite price published in the NGM is derived from spot price data at Mont Belvieu, Texas, from Bloomberg. Daily closing spot prices for ethane, propane, butane, isobutane, and natural gasoline (pentanes plus) are each averaged into a monthly series, then weighted according to the portion of a representative natural gas plant liquids barrel that they occupy. Volume weights are updated monthly using the latest available data collected on Form EIA-816, *Monthly Natural Gas Liquids Report*. The NGPL composite price excludes natural gas liquids produced at crude oil refineries.

Bloomberg spot price data for each natural gas liquids (NGL) product are in cents per gallon. EIA converts these prices into dollars per barrel. Using heat conversion factors from Table A1 in the appendix of the *Annual Energy Review*, "Approximate Heat Content of Petroleum Products," the prices are converted to dollars per million British thermal units (MMBtu) for each natural gas liquid.

The NGPL composite spot price is calculated as:

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

where:

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

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

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

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

The natural gas spot price is the simple average of the daily closing spot prices for natural gas at the Henry Hub in Louisiana. This series is published by Thompson Reuters and republished by EIA with permission.

Annual Data

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

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

Note 10. Heating Degree-Days

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

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

Note 11. Heat Content

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

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Appendix B

Data Sources

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

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

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

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities); and/or companies that transport gas across a state border through field or gathering facilities. Each company is required to file if it meets the survey specifications. The mailing in 2016 for report year 2015 totaled approximately 2,036 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

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

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

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

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

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

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

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

$$[\text{Quarterly Daily Shale Production Rate (MMcf/day)} \times \text{Number of Days in Quarter} \times 1000] \times [\text{Month Gross Production Volume} / \text{Quarter Gross Production Volume}]$$

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 Natural Gas Production Report"

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

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

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

Form EIA-191, "Underground Natural Gas Storage Report"

The Form EIA-191, "Monthly Underground Natural Gas Storage Report," is completed by approximately 131 companies that operate underground facilities in the United States (prior to 2013, Alaska data were not included in the EIA-191 survey). The final monthly and annual response rates are 100 percent. The Form EIA-191 monthly schedule contains current month data on the total quantities of gas in storage, injections and withdrawals, the location (including state and county, field, reservoir) and peak day withdrawals during the reporting period. The annual schedule contains type of facility, storage field capacity, maximum deliverability

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

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

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

“Quarterly Natural Gas Import and Export Sales and Price Report”

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

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

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

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

A sample of approximately 310 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 states and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 monthly. Each month about half the responses are received by the due date although response rates by first publication of the relevant month are approximately 95 percent. When a response is extremely late, volumes are imputed, as described in Appendix C, “Statistical Considerations.” When the company’s submission is eventually received, the submitted data are entered into the data system and used for subsequent processing and revisions.

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

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

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

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

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

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

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Appendix C

Statistical Considerations

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

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

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

Sample Design

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

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

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

Sample Universe. The sample in use for 2016 was selected from a universe of 1,668 companies. These companies were respondents to the Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition,” for reporting year 2014, 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 310 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),

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

V_{m_s} = the reported volume of natural gas sales by a marketer within the State in sector s (residential or commercial),

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

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

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

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

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

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

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

N = frame size.

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

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

where:

P_j = natural gas price in sector j,

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

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

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

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

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

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

and,

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

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

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

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

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

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

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

Table C1. Standard error for natural gas deliveries and price by consumers, by state, March 2017

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	0.8	0.6	1.5	1.2	0.10	0.10	0.12
Alaska	0.5	3.7	0.0	1.6	0.02	0.46	0.00
Arizona	0.9	0.4	5.2	1.2	0.06	0.06	0.04
Arkansas	4.0	0.9	1.7	1.2	0.27	0.29	0.55
California	1.5	1.6	0.6	0.6	1.05	1.08	0.62
Colorado	0.3	0.8	0.6	0.3	0.05	0.06	0.06
Connecticut	0.2	0.3	1.1	0.2	0.02	0.03	NA
Delaware	0.0	0.0	0.0	0.0	0.00	0.00	0.00
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	1.8	0.9	0.3	0.4	0.40	0.46	0.31
Georgia	0.0	0.0	2.2	0.0	0.00	0.07	0.19
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.7	0.6	0.0	0.3	0.02	0.02	0.00
Illinois	0.4	0.5	1.7	0.5	0.07	0.16	0.34
Indiana	0.9	0.5	0.9	0.6	0.10	0.08	0.41
Iowa	1.1	1.3	2.2	1.3	0.05	0.05	NA
Kansas	1.4	0.5	2.0	1.1	0.02	0.09	0.24
Kentucky	0.8	0.7	2.5	1.3	0.07	0.06	0.39
Louisiana	1.3	1.2	0.9	0.9	0.25	NA	NA
Maine	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Maryland	0.4	0.9	3.8	0.5	0.04	0.09	1.20
Massachusetts	0.5	1.8	1.4	0.7	0.19	NA	0.30
Michigan	0.5	0.6	1.6	0.4	0.05	0.02	0.05
Minnesota	0.4	0.4	1.1	0.4	0.04	0.04	0.10
Mississippi	0.9	1.1	1.2	0.9	0.11	0.14	NA
Missouri	0.9	0.4	2.0	0.7	0.03	0.03	0.14
Montana	0.5	0.5	0.0	0.3	0.04	0.08	0.00
Nebraska	0.3	0.5	1.5	0.8	0.05	0.04	NA
Nevada	0.0	0.0	0.1	0.0	0.00	0.00	0.09
New Hampshire	0.0	0.0	7.0	1.6	0.00	0.00	0.00
New Jersey	0.0	0.0	NA	NA	0.00	0.00	NA
New Mexico	1.2	1.2	NA	NA	0.36	0.17	NA
New York	0.0	0.0	1.1	0.0	0.05	0.02	0.27
North Carolina	0.3	0.2	0.3	0.2	NA	NA	0.08
North Dakota	0.6	1.1	2.6	1.3	0.04	0.01	0.00
Ohio	0.0	0.0	2.0	0.0	0.01	NA	NA
Oklahoma	2.7	1.3	1.2	1.0	0.07	0.10	0.34
Oregon	0.0	0.0	0.9	0.3	0.00	0.00	0.00
Pennsylvania	0.2	0.5	2.5	0.7	0.03	0.01	0.21
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	0.4	0.2	1.3	0.8	0.14	0.04	0.17
South Dakota	1.3	1.2	0.8	0.6	0.11	0.07	0.13
Tennessee	0.8	0.6	1.3	0.7	0.05	0.04	0.06
Texas	1.7	0.7	0.8	0.7	0.14	0.03	0.03
Utah	0.2	0.0	0.1	0.1	0.00	0.00	0.03
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	0.8	1.3	NA	NA	NA	NA	0.52
Washington	1.1	1.0	1.2	0.7	0.04	0.04	0.11
West Virginia	2.5	0.8	1.4	1.1	0.10	0.04	0.20
Wisconsin	0.5	0.5	0.6	0.3	0.02	0.01	0.01
Wyoming	0.5	0.5	1.7	1.0	0.02	0.01	NA
Total	0.2	0.2	0.3	0.1	0.08	0.05	0.02

NA Not available.

Source: 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.