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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 February 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	RE2,819	RE2,424	148	RE2,275	5	105	728	R-17	R3,097
February	RE2,668	RE2,304	140	RE2,164	5	89	403	R-6	R2,656
March	RE2,823	RE2,431	157	RE2,274	5	46	59	R-24	R2,359
April	RE2,682	RE2,340	151	RE2,188	5	66	-164	R-5	R2,090
May	RE2,779	RE2,411	160	RE2,250	5	62	-327	R-19	R1,972
June	RE2,635	RE2,304	156	RE2,148	2	61	-223	R16	R2,004
July	RE2,710	RE2,372	160	RE2,213	5	79	-133	27	2,190
August	RE2,742	RE2,394	152	RE2,242	5	49	-124	42	2,214
September	RE2,640	RE2,303	147	RE2,155	5	37	-262	14	1,950
October	RE2,718	RE2,352	160	RE2,192	5	56	-308	-19	1,926
November	RE2,684	RE2,308	155	RE2,153	5	5	35	R-30	R2,168
December	RE2,748	RE2,354	149	RE2,205	5	31	676	R-47	R2,871
Total	RE32,647	RE28,295	1,836	RE26,459	59	685	359	R-65	27,497
2017									
January	RE2,730	RE2,343	151	RE2,192	5	19	675	R-9	R2,882
February	RE2,520	RE2,164	146	RE2,019	5	*	285	10	2,318
2017 2-Month YTD	RE5,250	RE4,507	296	RE4,211	10	20	960	1	5,200
2016 2-Month YTD	RE5,487	RE4,727	288	RE4,439	11	194	1,132	-22	5,753
2015 2-Month YTD	5,287	4,584	270	4,314	9	244	1,498	-23	6,042

^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.

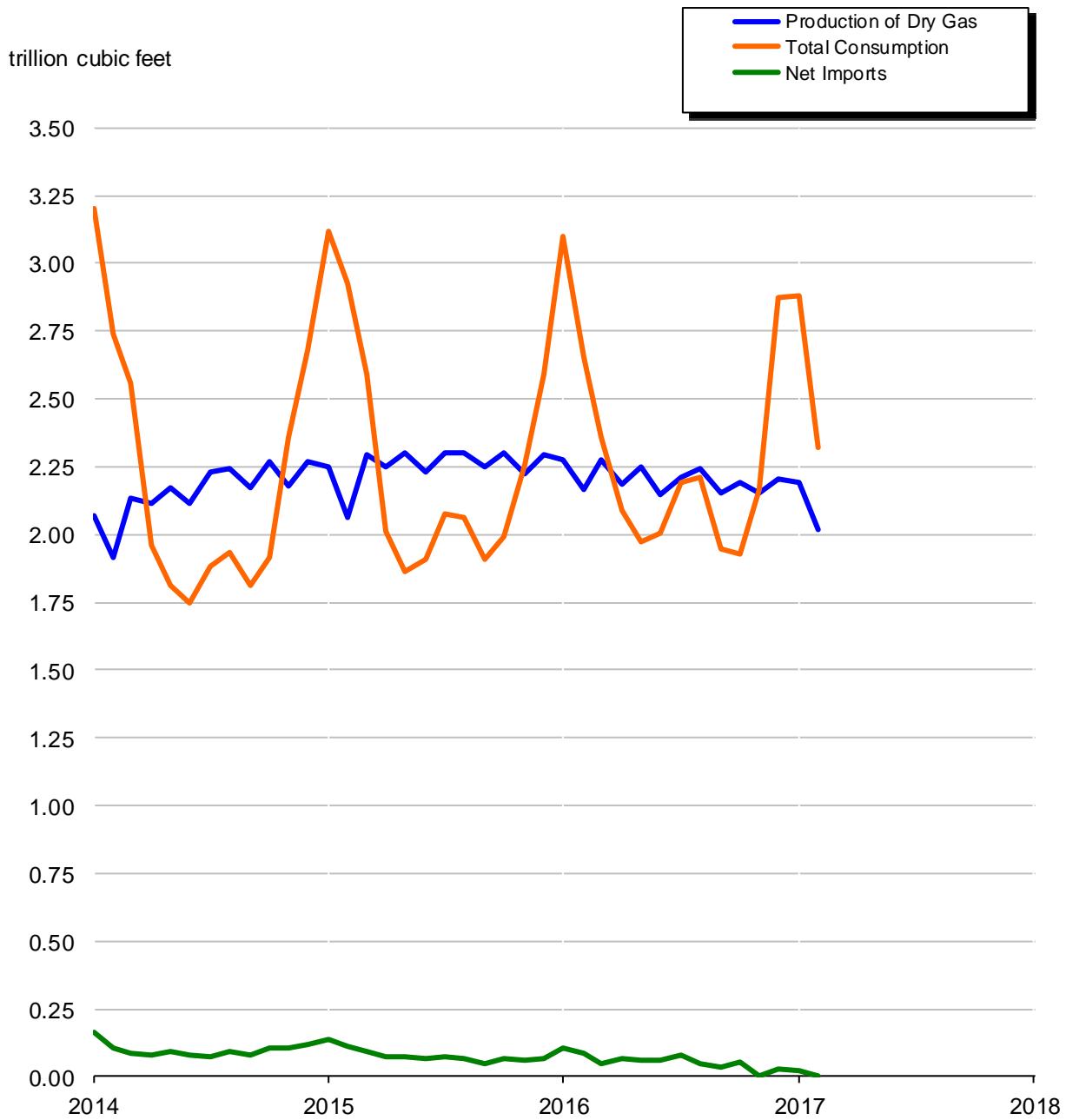
* Volume is between -500 Mcf and 500 Mcf.

^{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. 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	£2,464	£2,656	1,038
March	£134	£58	£459	£300	£663	743	£3	£2,168	£2,359	1,037
April	£129	£51	£331	£234	620	721	£3	£1,910	£2,090	1,037
May	£133	£48	196	172	613	806	£3	£1,791	£1,972	1,034
June	£127	£49	124	139	591	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	£604	915	£4	£1,776	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	7,724	9,984	£41	25,265	27,497	1,037
2017										
January	£129	£70	£835	£478	727	639	£4	£2,683	£2,882	1,039
February	£119	£57	584	364	640	550	£3	2,142	2,318	1,038
2017 2-Month YTD	£249	£127	1,418	843	1,367	1,189	£7	4,825	5,200	1,038
2016 2-Month YTD	£261	£140	1,585	922	1,381	1,457	£6	5,352	5,753	1,038
2015 2-Month YTD	253	150	1,839	1,049	1,381	1,365	6	5,639	6,042	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.

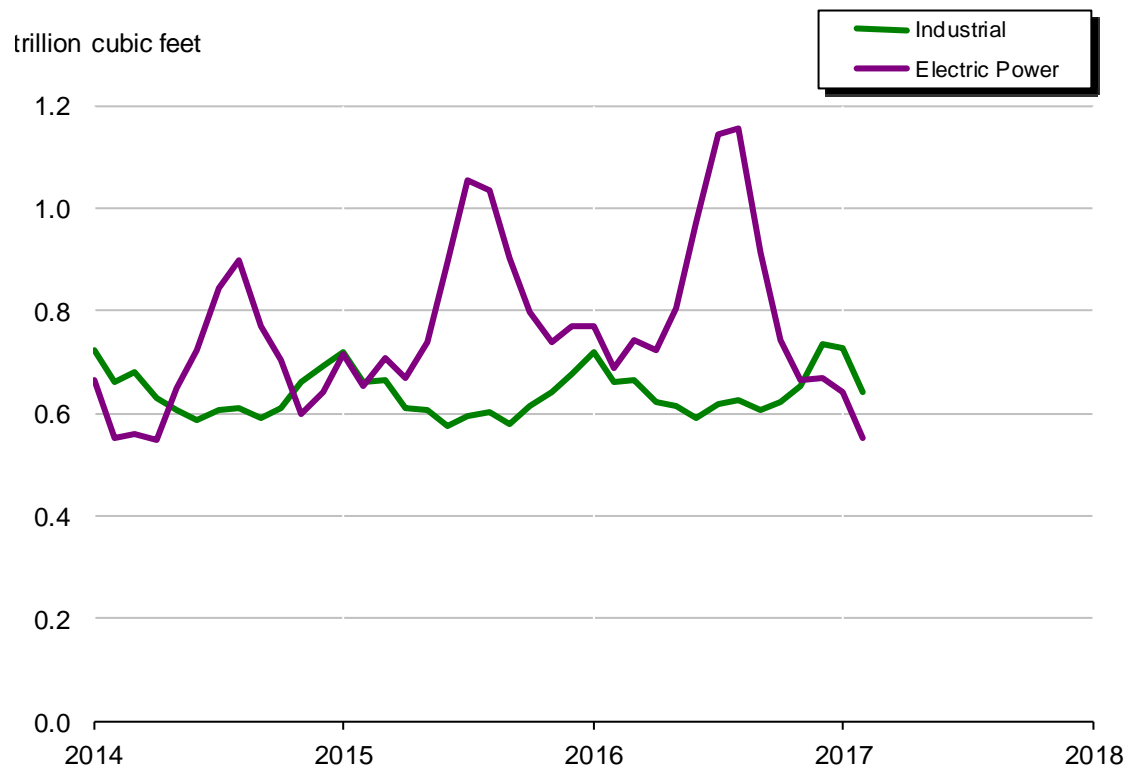
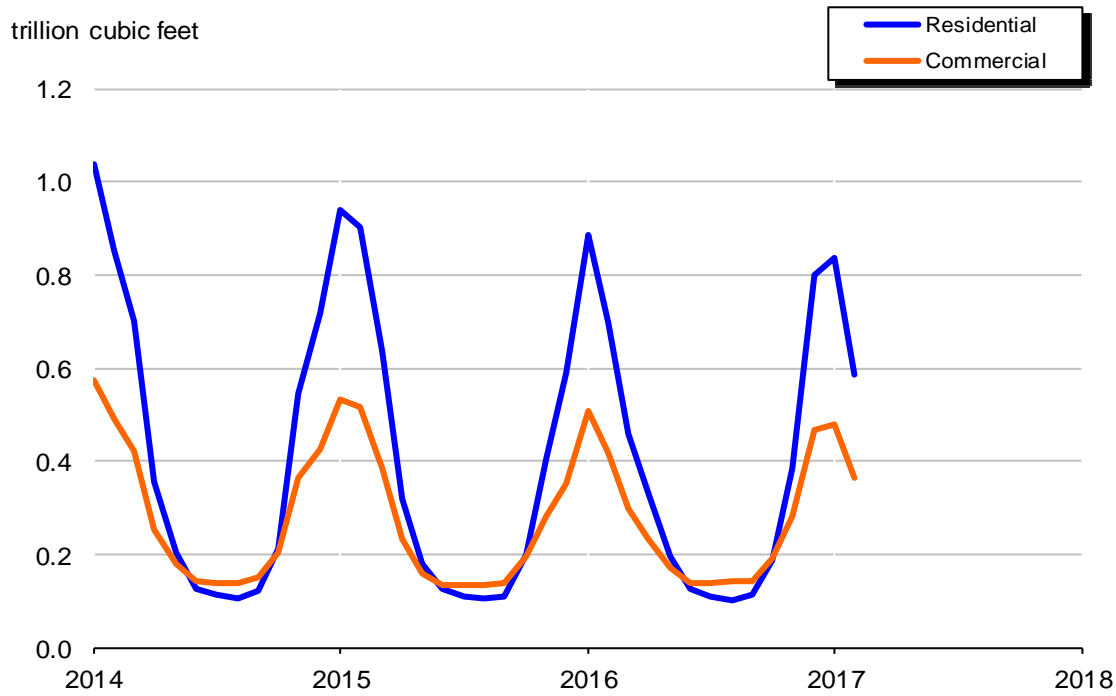
^E Estimated data.

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						
				Residential		Commercial		Industrial		Electric Power Price ^d
				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	R3.40	R8.32	R96.0	6.74	70.5	3.62	15.3	3.17
February	3.89	1.99	3.48	R8.39	95.9	R6.83	R69.5	3.63	15.4	2.83
March	4.48	1.73	3.49	R9.19	95.6	R7.04	66.8	3.04	R15.3	2.33
April	4.65	1.92	3.22	R9.64	95.6	6.94	65.1	2.99	14.5	2.52
May	5.11	1.92	3.45	R11.60	95.4	R7.28	R60.4	R2.90	14.6	2.49
June	5.25	2.59	3.98	R14.45	95.7	R7.69	R58.1	R2.88	14.6	2.77
July	4.92	2.82	4.45	R16.57	95.9	R8.10	57.0	R3.57	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	4.59	R16.81	96.1	8.27	R56.2	3.73	14.6	3.19
October	6.05	2.98	4.19	13.74	95.9	R7.93	60.0	3.87	14.5	3.24
November	5.45	2.55	3.89	10.76	96.0	R7.60	R63.6	3.86	14.5	3.14
December	6.66	3.59	3.95	9.06	96.0	7.24	68.2	4.32	R14.7	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	R4.22	9.38	96.0	7.58	70.5	R4.89	15.0	4.32
February	7.25	2.85	4.10	10.05	95.9	7.89	68.4	4.62	15.1	3.74
2017 2-Month YTD	7.01	3.09	4.17	9.67	95.9	7.72	69.6	4.77	15.1	4.05
2016 2-Month YTD	3.79	2.14	3.44	8.35	96.0	6.78	70.0	3.62	15.3	3.01
2015 2-Month YTD	5.38	2.93	4.53	9.29	95.7	7.97	70.9	4.79	15.2	4.62

^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.

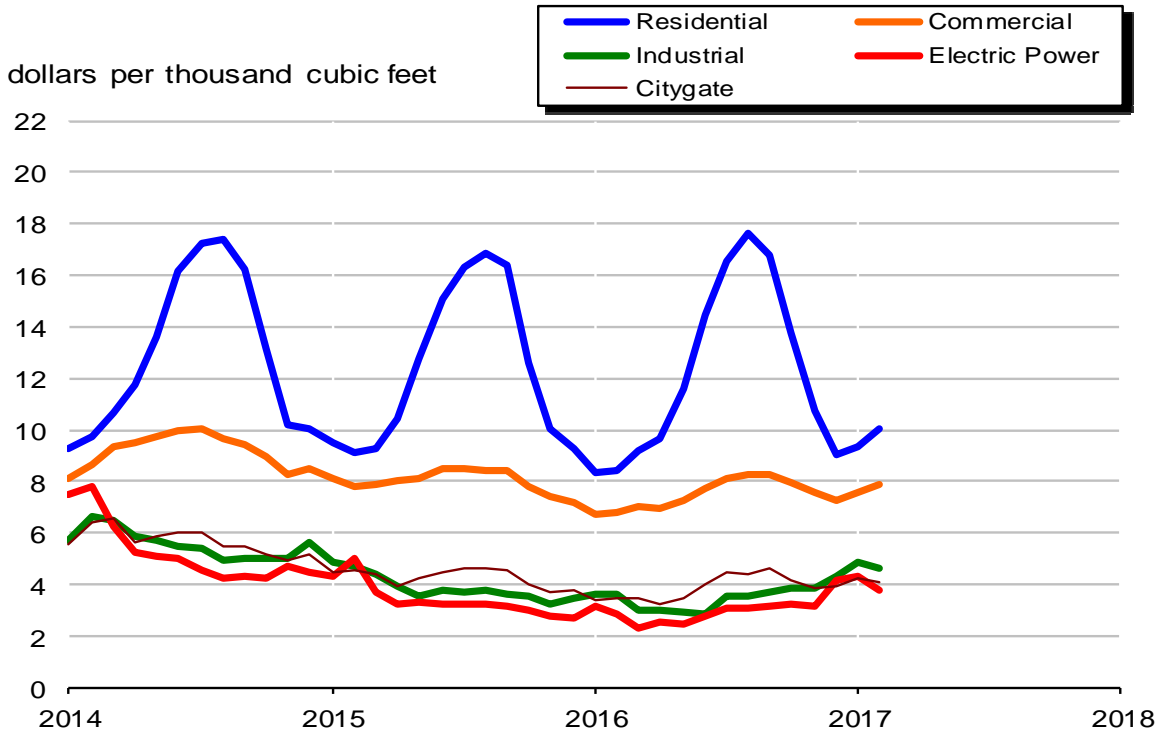
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^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.

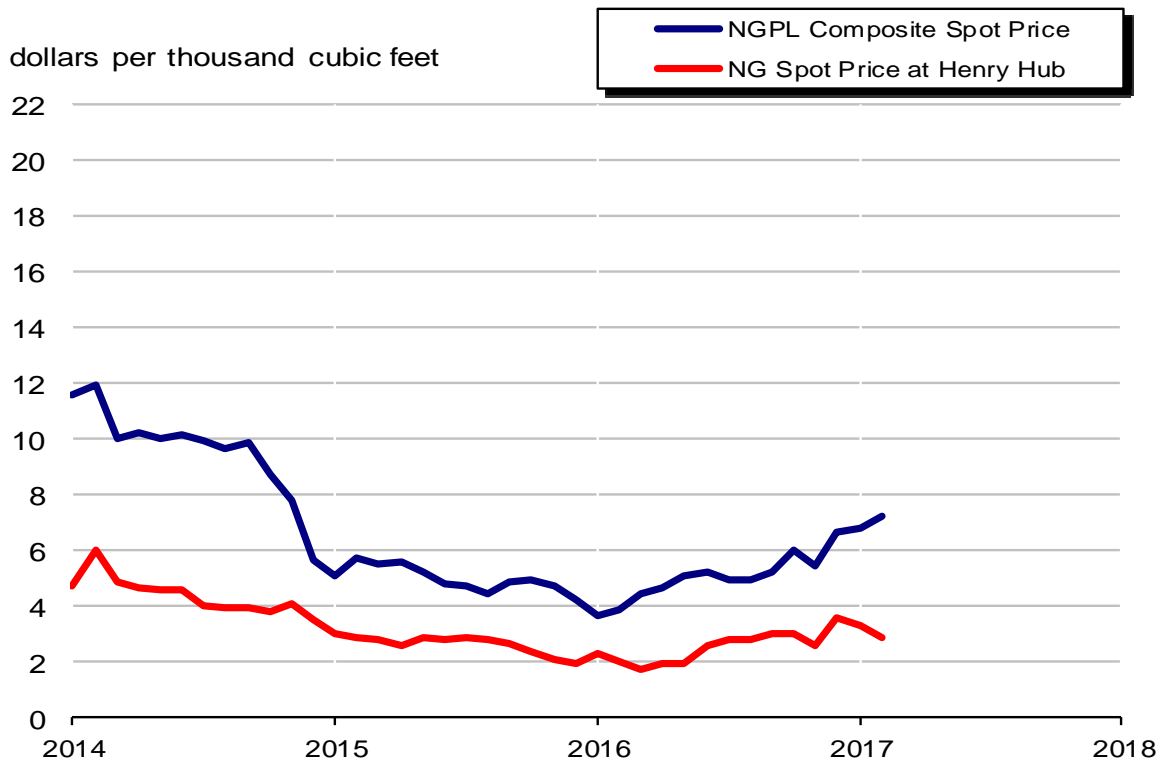
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2014-2017



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 2-Month YTD	2016 2-Month YTD	2015 2-Month YTD	2017		2016	
				February	January	Total	December
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	520,060	503,411	509,583	244,276	R275,784	R2,911,005	R270,391
Mexico	157	129	164	74	83	917	64
Total Pipeline Imports	520,217	503,540	509,747	244,350	R275,867	R2,911,922	R270,455
LNG							
By Truck							
Canada	26	213	0	8	18	924	16
By Vessel							
Nigeria	2,753	0	0	0	2,753	0	0
Norway	0	0	0	0	0	3,253	0
Trinidad/Tobago	18,652	21,563	19,212	8,468	10,183	84,190	8,838
Yemen	0	0	4,606	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	21,432	21,776	23,818	8,477	12,955	88,367	8,854
CNG							
Canada	60	59	62	26	35	299	27
Total Imports	541,709	525,375	533,627	252,852	R288,857	R3,000,588	R279,336
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.12	2.28	4.39	2.81	3.40	2.18	3.31
Mexico	3.13	1.35	2.09	2.94	3.29	1.85	2.56
Total Pipeline Imports	3.12	2.28	4.39	2.81	3.40	2.18	3.31
LNG							
By Truck							
Canada	8.52	8.41	--	7.22	9.12	8.07	7.51
By Vessel							
Nigeria	5.82	--	--	--	5.82	--	--
Norway	--	--	--	--	--	3.12	--
Trinidad/Tobago	5.89	5.29	9.96	6.39	5.48	4.06	4.62
Yemen	--	--	10.13	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	5.89	5.32	9.99	6.39	5.56	4.07	4.63
CNG							
Canada	8.71	4.37	9.02	6.07	10.64	1.97	3.24
Total Imports	3.46	2.62	5.09	3.14	3.75	2.23	3.50
Net Imports - Volume	19,523	194,098	244,151	227	R19,296	R685,201	R30,647

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
	November	October	September	August	July	June	May
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	221,390	224,190	234,164	252,620	259,132	234,145	243,017
Mexico	83	83	82	90	92	83	72
Total Pipeline Imports	221,473	224,273	234,246	252,710	259,224	234,229	243,088
LNG							
By Truck							
Canada	41	58	72	84	70	118	113
By Vessel							
Nigeria	0	0	0	0	0	0	0
Norway	3,253	0	0	0	0	0	0
Trinidad/Tobago	5,779	5,696	2,810	7,998	5,703	7,520	5,087
Yemen	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	9,073	5,753	2,882	8,082	5,773	7,638	5,200
CNG							
Canada	22	25	15	17	25	19	29
Total Imports	230,568	230,051	237,143	260,809	265,022	241,885	248,317
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.41	2.50	2.42	2.29	2.26	1.76	1.44
Mexico	2.34	2.50	2.43	2.27	2.45	1.41	1.10
Total Pipeline Imports	2.41	2.50	2.42	2.29	2.26	1.76	1.44
LNG							
By Truck							
Canada	7.92	7.93	8.04	8.11	7.95	7.80	7.72
By Vessel							
Nigeria	--	--	--	--	--	--	--
Norway	3.12	--	--	--	--	--	--
Trinidad/Tobago	5.96	3.05	3.13	3.17	3.15	3.11	3.36
Yemen	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	4.95	3.10	3.25	3.23	3.21	3.18	3.45
CNG							
Canada	0.97	0.72	1.22	1.20	1.62	0.63	1.10
Total Imports	2.70	2.59	2.47	2.42	2.35	1.90	1.55
Net Imports - Volume	4,698	55,702	37,418	48,776	78,739	61,138	62,421

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		
	April	March	February	January	Total	December	November
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	236,451	232,095	241,948	261,462	2,625,359	221,550	210,632
Mexico	71	69	70	59	933	64	72
Total Pipeline Imports	236,522	232,164	242,019	261,521	2,626,291	221,613	210,704
LNG							
By Truck							
Canada	74	65	116	97	437	59	45
By Vessel							
Nigeria	0	0	0	0	0	0	0
Norway	0	0	0	0	12,194	3,105	3,097
Trinidad/Tobago	4,693	8,503	9,612	11,951	71,439	2,453	4,373
Yemen	0	0	0	0	7,441	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	4,767	8,568	9,728	12,048	91,511	5,618	7,515
CNG							
Canada	28	33	29	30	291	26	23
Total Imports	241,317	240,764	251,775	273,600	2,718,094	227,257	218,242
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	1.51	1.55	2.12	2.42	2.84	2.13	2.19
Mexico	1.03	0.82	1.22	1.50	1.71	1.22	1.08
Total Pipeline Imports	1.51	1.55	2.12	2.42	2.84	2.13	2.19
LNG							
By Truck							
Canada	7.88	8.74	8.58	8.21	8.69	8.12	8.21
By Vessel							
Nigeria	--	--	--	--	--	--	--
Norway	--	--	--	--	8.56	2.31	2.13
Trinidad/Tobago	3.23	3.25	5.08	5.45	6.98	6.08	5.63
Yemen	--	--	--	--	9.10	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	3.30	3.29	5.12	5.48	7.37	4.02	4.20
CNG							
Canada	1.05	1.54	3.27	5.41	4.18	3.78	3.02
Total Imports	1.61	1.73	2.43	2.80	2.99	2.28	2.40
Net Imports - Volume	65,716	45,849	89,019	105,079	934,581	65,503	62,503

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
	October	September	August	July	June	May	April
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	217,493	203,066	202,567	209,698	203,583	202,545	202,133
Mexico	83	83	82	80	73	78	76
Total Pipeline Imports	217,576	203,150	202,649	209,779	203,656	202,623	202,209
LNG							
By Truck							
Canada	43	45	44	41	41	34	39
By Vessel							
Nigeria	0	0	0	0	0	0	0
Norway	5,992	0	0	0	0	0	0
Trinidad/Tobago	2,653	5,609	11,161	7,133	2,557	1,673	2,844
Yemen	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	8,689	5,654	11,205	7,173	2,598	1,707	2,883
CNG							
Canada	21	15	21	21	19	19	28
Total Imports	226,286	208,818	213,875	216,973	206,273	204,348	205,120
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.37	2.49	2.51	2.44	2.43	2.44	2.39
Mexico	1.55	1.65	1.84	1.83	1.88	1.58	1.64
Total Pipeline Imports	2.37	2.49	2.51	2.44	2.43	2.44	2.39
LNG							
By Truck							
Canada	8.40	8.36	8.76	8.43	9.03	8.95	9.50
By Vessel							
Nigeria	--	--	--	--	--	--	--
Norway	15.12	--	--	--	--	--	--
Trinidad/Tobago	6.25	6.02	3.43	4.51	6.24	5.98	8.29
Yemen	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	12.38	6.03	3.45	4.53	6.29	6.04	8.31
CNG							
Canada	1.99	1.14	0.52	0.45	0.79	0.88	2.02
Total Imports	3.23	2.75	2.74	2.66	2.56	2.52	2.59
Net Imports - Volume	67,768	46,245	68,991	73,153	68,093	70,074	74,792

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		
	March	February	January
Imports			
Volume (million cubic feet)			
Pipeline			
Canada ^a	242,508	241,917	267,666
Mexico	77	79	85
Total Pipeline Imports	242,585	241,996	267,751
LNG			
By Truck			
Canada	46	0	0
By Vessel			
Nigeria	0	0	0
Norway	0	0	0
Trinidad/Tobago	11,770	9,830	9,382
Yemen	2,834	2,373	2,234
Other	0	0	0
Total LNG Imports	14,651	12,202	11,616
CNG			
Canada	38	32	30
Total Imports	257,274	254,230	279,397
Average Price (dollars per thousand cubic feet)			
Pipeline			
Canada	3.16	4.82	4.01
Mexico	1.93	1.93	2.24
Total Pipeline Imports	3.16	4.82	4.01
LNG			
By Truck			
Canada	9.51	--	--
By Vessel			
Nigeria	--	--	--
Norway	--	--	--
Trinidad/Tobago	8.26	9.06	10.90
Yemen	7.42	9.41	10.88
Other	--	--	--
Total LNG Imports	8.10	9.13	10.90
CNG			
Canada	8.55	9.12	8.91
Total Imports	3.90	5.46	4.75
Net Imports - Volume	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.

^R 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	2016	2015	2017		2016	
	2-Month YTD	2-Month YTD	2-Month YTD	February	January	Total	December
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	186,701	131,820	150,621	87,890	98,811	771,094	97,178
Mexico	232,065	196,075	133,231	112,676	119,389	1,357,244	109,668
Total Pipeline Exports	418,766	327,896	283,853	200,566	218,200	2,128,338	206,846
LNG							
Exports							
By Vessel							
Argentina	0	0	0	0	0	16,661	0
Barbados	37	2	0	15	22	100	22
Brazil	0	1,993	0	0	0	9,196	0
Chile	2,950	0	0	2,950	0	29,405	0
China	13,729	0	0	10,338	3,391	17,221	6,747
Dominican Republic	0	0	0	0	0	2,945	0
Egypt	0	0	0	0	0	3,606	3,606
India	7,022	0	0	3,399	3,623	16,915	0
Italy	0	0	0	0	0	3,328	0
Japan	14,238	0	0	3,705	10,533	11,137	11,137
Jordan	8,312	0	0	2,945	5,368	9,870	0
Kuwait	3,378	0	0	3,378	0	7,068	0
Malta	867	0	0	0	867	0	0
Mexico	28,417	0	0	14,407	14,010	27,470	7,169
Portugal	5,134	0	0	1,692	3,442	3,700	0
South Korea	0	0	0	0	0	10,166	10,166
Spain	11,768	0	0	1,766	10,002	2,930	0
Taiwan	0	0	0	0	0	0	0
Turkey	7,402	0	0	7,402	0	8,762	2,936
United Arab Emirates	0	0	0	0	0	3,391	0
By Truck							
Canada	0	2	10	0	0	2	0
Mexico	129	48	37	44	85	375	42
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	612	0
Brazil	0	1,290	5,533	0	0	1,433	0
Egypt	0	0	0	0	0	0	0
India	0	0	0	0	0	547	0
Turkey	0	0	0	0	0	0	0
Total LNG Exports	103,383	3,336	5,580	52,042	51,342	186,841	41,825
CNG							
Canada	36	46	44	18	19	208	18
Total CNG Exports	36	46	44	18	19	208	18
Total Exports	522,186	331,278	289,477	252,625	269,561	2,315,387	248,689

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
	November	October	September	August	July	June	May
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	74,544	43,471	61,499	55,012	49,750	50,715	62,768
Mexico	118,328	127,867	121,461	130,253	120,774	113,570	113,229
Total Pipeline Exports	192,872	171,338	182,961	185,265	170,524	164,285	175,997
LNG							
Exports							
By Vessel							
Argentina	0	0	0	2,190	0	8,161	0
Barbados	18	15	14	11	8	2	1
Brazil	0	0	0	3,933	0	0	0
Chile	2,940	0	0	9,518	6,074	4,643	6,230
China	7,341	0	0	0	3,132	0	0
Dominican Republic	0	0	0	2,945	0	0	0
Egypt	0	0	0	0	0	0	0
India	3,115	0	3,639	3,701	0	3,617	0
Italy	3,328	0	0	0	0	0	0
Japan	0	0	0	0	0	0	0
Jordan	0	2,942	3,362	0	3,566	0	0
Kuwait	0	0	3,458	0	0	0	3,610
Malta	0	0	0	0	0	0	0
Mexico	13,300	0	3,315	3,686	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	2,930	0	0
Taiwan	0	0	0	0	0	0	0
Turkey	2,886	0	2,941	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0
By Truck							
Canada	0	1	0	0	0	0	0
Mexico	48	42	35	30	28	22	33
Re-Exports							
By Vessel							
Argentina	0	0	0	612	0	0	0
Brazil	0	0	0	142	0	0	0
Egypt	0	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	32,976	3,000	16,764	26,768	15,739	16,445	9,874
CNG							
Canada	22	11	0	0	20	18	25
Total CNG Exports	22	11	0	0	20	18	25
Total Exports	225,869	174,349	199,725	212,033	186,283	180,747	185,897

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		
	April	March	February	January	Total	December	November
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	62,931	81,403	62,192	69,629	700,647	58,603	61,260
Mexico	102,605	103,413	97,234	98,841	1,054,271	99,952	91,490
Total Pipeline Exports	165,537	184,816	159,426	168,470	1,754,918	158,555	152,750
LNG							
Exports							
By Vessel							
Argentina	6,310	0	0	0	0	0	0
Barbados	3	2	2	0	0	0	0
Brazil	0	3,270	1,993	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	2,844	0	0	0	0	0
Italy	0	0	0	0	0	0	0
Japan	0	0	0	0	8,262	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
Portugal	3,700	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	0	0	8,257	0	0
Turkey	0	0	0	0	0	0	0
United Arab Emirates	0	3,391	0	0	0	0	0
By Truck							
Canada	0	0	0	2	41	0	1
Mexico	23	24	24	25	195	27	21
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	1,290	0	5,533	0	0
Egypt	0	0	0	0	2,947	0	2,947
India	0	547	0	0	0	0	0
Turkey	0	0	0	0	3,145	3,145	0
Total LNG Exports	10,036	10,078	3,309	26	28,381	3,172	2,969
CNG							
Canada	28	21	22	25	214	27	20
Total CNG Exports	28	21	22	25	214	27	20
Total Exports	175,601	194,915	162,757	168,521	1,783,512	161,754	155,739

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						
	October	September	August	July	June	May	April
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	57,430	59,695	40,986	39,995	44,658	44,672	53,086
Mexico	98,314	100,111	101,131	101,031	90,724	86,805	77,196
Total Pipeline Exports	155,744	159,806	142,117	141,027	135,382	131,477	130,283
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	2,755	0	2,753	2,753	0	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
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	2,755	0	0	2,754	2,748	0
Turkey	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0
By Truck							
Canada	0	2	0	5	6	6	6
Mexico	14	11	10	13	14	15	18
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
Egypt	0	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	2,769	2,767	2,763	2,771	2,774	2,769	24
CNG							
Canada	4	0	5	23	23	28	21
Total CNG Exports	4	0	5	23	23	28	21
Total Exports	158,517	162,573	144,885	143,820	138,179	134,274	130,328

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		
	March	February	January
Exports			
Volume (million cubic feet)			
Pipeline			
Canada	89,639	77,594	73,028
Mexico	74,286	64,596	68,635
Total Pipeline Exports	163,925	142,190	141,663
LNG			
Exports			
By Vessel			
Argentina	0	0	0
Barbados	0	0	0
Brazil	0	0	0
Chile	0	0	0
China	0	0	0
Dominican Republic	0	0	0
Egypt	0	0	0
India	0	0	0
Italy	0	0	0
Japan	0	0	0
Jordan	0	0	0
Kuwait	0	0	0
Malta	0	0	0
Mexico	0	0	0
Portugal	0	0	0
South Korea	0	0	0
Spain	0	0	0
Taiwan	0	0	0
Turkey	0	0	0
United Arab Emirates	0	0	0
By Truck			
Canada	6	4	6
Mexico	17	16	21
Re-Exports			
By Vessel			
Argentina	0	0	0
Brazil	0	2,728	2,805
Egypt	0	0	0
India	0	0	0
Turkey	0	0	0
Total LNG Exports	23	2,748	2,832
CNG			
Canada	20	17	27
Total CNG Exports	20	17	27
Total Exports	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 2-Month YTD	2016 2-Month YTD	2015 2-Month YTD	2017		2016 Total	2016 December
				February	January		
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.55	2.51	4.02	3.21	3.85	2.60	3.82
Mexico	3.46	2.33	3.25	3.25	3.66	2.64	3.52
Total Pipeline Exports	3.50	2.40	3.66	3.23	3.75	2.63	3.66
LNG							
Exports							
By Vessel							
Argentina	--	--	--	--	--	4.47	--
Barbados	10.40	10.00	--	10.40	10.40	10.12	10.00
Brazil	--	3.54	--	--	--	4.39	--
Chile	7.18	--	--	7.18	--	5.30	--
China	4.86	--	--	4.91	4.70	4.16	4.50
Dominican Republic	--	--	--	--	--	5.41	--
Egypt	--	--	--	--	--	6.46	6.46
India	4.39	--	--	4.06	4.70	4.92	--
Italy	--	--	--	--	--	6.32	--
Japan	6.79	--	--	7.18	6.65	3.76	3.76
Jordan	5.58	--	--	4.06	6.41	5.11	--
Kuwait	5.50	--	--	5.50	--	4.40	--
Malta	4.70	--	--	--	4.70	--	--
Mexico	6.77	--	--	6.39	7.15	4.56	4.14
Portugal	7.25	--	--	7.18	7.29	3.58	--
South Korea	--	--	--	--	--	5.75	5.75
Spain	6.40	--	--	7.18	6.26	4.92	--
Taiwan	--	--	--	--	--	--	--
Turkey	6.91	--	--	6.91	--	3.53	3.87
United Arab Emirates	--	--	--	--	--	4.18	--
By Truck							
Canada	--	7.41	13.06	--	--	7.50	--
Mexico	9.76	10.57	10.99	9.97	9.66	9.81	10.20
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	4.51	--
Brazil	--	3.54	15.20	--	--	3.64	--
Egypt	--	--	--	--	--	--	--
India	--	--	--	--	--	3.99	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	6.21	3.65	15.16	5.99	6.44	4.71	4.68
CNG							
Canada	10.41	3.84	11.37	7.73	12.97	3.30	4.72
Total CNG Exports	10.41	3.84	11.37	7.73	12.97	3.30	4.72
Total Exports	4.04	2.41	3.88	3.80	4.26	2.80	3.83

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
	November	October	September	August	July	June	May
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.71	2.72	2.83	2.65	2.73	2.23	1.98
Mexico	2.76	3.17	3.07	2.93	2.80	2.46	2.07
Total Pipeline Exports	2.74	3.06	2.99	2.84	2.78	2.39	2.04
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	4.72
China	3.21	--	--	--	5.66	--	--
Dominican Republic	--	--	--	5.41	--	--	--
Egypt	--	--	--	--	--	--	--
India	5.74	--	5.00	5.01	--	4.77	--
Italy	6.32	--	--	--	--	--	--
Japan	--	--	--	--	--	--	--
Jordan	--	3.52	5.74	--	5.81	--	--
Kuwait	--	--	5.58	--	--	--	3.27
Malta	--	--	--	--	--	--	--
Mexico	4.64	--	5.53	4.23	--	--	--
Portugal	--	--	--	--	--	--	--
South Korea	--	--	--	--	--	--	--
Spain	--	--	--	--	4.92	--	--
Taiwan	--	--	--	--	--	--	--
Turkey	3.30	--	3.41	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--
By Truck							
Canada	--	7.70	--	--	--	--	--
Mexico	9.72	10.06	9.78	9.72	9.76	9.43	9.67
Re-Exports							
By Vessel							
Argentina	--	--	--	4.51	--	--	--
Brazil	--	--	--	4.57	--	--	--
Egypt	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	4.58	3.65	5.11	5.13	5.63	4.72	4.21
CNG							
Canada	2.55	2.53	--	--	3.88	2.80	3.22
Total CNG Exports	2.55	2.53	--	--	3.88	2.80	3.22
Total Exports	3.01	3.07	3.17	3.13	3.02	2.60	2.15

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		
	April	March	February	January	Total	December	November
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.07	1.99	2.34	2.66	3.15	2.30	2.50
Mexico	2.03	1.88	2.20	2.45	2.81	2.30	2.26
Total Pipeline Exports	2.05	1.93	2.26	2.54	2.95	2.30	2.36
LNG							
Exports							
By Vessel							
Argentina	4.16	--	--	--	--	--	--
Barbados	10.00	15.19	10.00	--	--	--	--
Brazil	--	3.83	3.54	--	--	--	--
Chile	--	--	--	--	--	--	--
China	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--
India	--	3.98	--	--	--	--	--
Italy	--	--	--	--	--	--	--
Japan	--	--	--	--	7.50	--	--
Jordan	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
Portugal	3.58	--	--	--	--	--	--
South Korea	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--
Taiwan	--	--	--	--	7.49	--	--
Turkey	--	--	--	--	--	--	--
United Arab Emirates	--	4.18	--	--	--	--	--
By Truck							
Canada	--	--	--	7.41	12.36	--	6.81
Mexico	8.99	8.96	10.16	10.96	10.44	10.90	10.59
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	3.54	--	15.20	--	--
Egypt	--	--	--	--	16.71	--	16.71
India	--	3.98	--	--	--	--	--
Turkey	--	--	--	--	15.99	15.99	--
Total LNG Exports	3.96	4.01	3.59	10.74	10.92	15.95	16.67
CNG							
Canada	2.58	3.05	2.42	5.09	5.73	5.46	4.80
Total CNG Exports	2.58	3.05	2.42	5.09	5.73	5.46	4.80
Total Exports	2.16	2.04	2.28	2.54	3.07	2.57	2.63

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

	October	September	August	July	June	May	2015 April
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.76	2.97	2.97	2.84	2.85	2.85	2.91
Mexico	2.61	2.77	3.00	3.01	2.94	2.86	2.77
Total Pipeline Exports	2.66	2.84	2.99	2.96	2.91	2.85	2.83
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	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--
South Korea	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--
Taiwan	--	7.16	--	--	7.80	7.50	--
Turkey	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--
By Truck							
Canada	--	10.18	--	13.39	12.01	12.14	11.88
Mexico	10.48	9.81	9.94	9.96	10.01	9.96	10.03
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	6.53	7.17	7.91	8.10	7.82	7.53	10.53
CNG							
Canada	3.42	--	2.08	2.91	2.44	2.37	3.35
Total CNG Exports	3.42	--	2.08	2.91	2.44	2.37	3.35
Total Exports	2.73	2.92	3.09	3.06	3.01	2.95	2.83

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		
	March	February	January
Exports			
Average Price (dollars per thousand cubic feet)			
Pipeline			
Canada	3.71	4.39	3.63
Mexico	3.03	3.10	3.38
Total Pipeline Exports	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	--	--	--
Portugal	--	--	--
South Korea	--	--	--
Spain	--	--	--
Taiwan	--	--	--
Turkey	--	--	--
United Arab Emirates	--	--	--
By Truck			
Canada	12.77	12.77	13.27
Mexico	10.52	10.62	11.27
Re-Exports			
By Vessel			
Argentina	--	--	--
Brazil	--	12.89	17.44
Egypt	--	--	--
India	--	--	--
Turkey	--	--	--
Total LNG Exports	11.10	12.87	17.39
CNG			
Canada	10.08	10.53	11.89
Total CNG Exports	10.08	10.53	11.89
Total Exports	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. 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	RE63,639	RE17,402	RE144,060	RE19,263	RE156,866	RE4,089	RE107,806	£47,889	RE130,496
Total	3,229,946	RE826,917	RE211,451	RE1,703,277	RE249,524	RE1,869,601	RE51,219	RE1,286,992	£605,122	RE1,466,854
2017										
January	301,506	RE65,595	RE17,246	RE143,215	RE19,262	RE153,314	RE4,039	RE105,188	RE48,438	RE132,519
February	275,044	£59,639	£15,304	£130,296	£17,507	£144,331	£3,721	£97,228	£47,904	£123,347
2017 2-Month YTD	576,550	£125,233	£32,550	£273,511	£36,769	£297,645	£7,760	£202,415	£96,342	£255,865
2016 2-Month YTD	572,105	£149,809	£35,837	£277,955	£43,409	£311,997	£8,754	£199,920	£98,058	£228,824
2015 2-Month YTD	546,416	168,367	37,444	275,027	51,577	291,965	9,591	201,357	87,156	124,206

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	RE195,424	RE461,466	RE640,971	RE28,283	RE122,817	RE146,200	RE45,661	RE107,334	RE2,748,177
Total	RE2,468,312	RE5,263,973	RE8,099,218	RE367,251	RE1,375,108	RE1,766,840	£561,276	RE1,244,503	RE32,647,385
2017									
January	RE193,586	RE461,677	RE640,171	RE27,601	RE123,989	RE141,177	RE45,362	RE105,922	RE2,729,805
February	£181,222	£424,241	£597,193	£25,038	£112,310	£129,910	£40,700	£94,977	£2,519,910
2017 2-Month YTD	£374,807	£885,918	£1,237,364	£52,639	£236,298	£271,087	£86,062	£200,899	£5,249,715
2016 2-Month YTD	£415,258	£878,248	£1,372,499	£65,482	£222,365	£301,408	£95,549	£209,869	£5,487,345
2015 2-Month YTD	393,558	778,855	1,420,333	72,564	208,532	317,741	99,318	203,028	5,287,035

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	RE63,639	RE17,402	RE144,060	RE19,263	RE156,160	RE4,089	RE103,073	RE39,940	RE130,496
Total	343,629	RE826,917	RE211,451	RE1,703,277	RE249,524	RE1,861,187	RE51,219	RE1,230,493	RE504,672	RE1,466,854
2017										
January	31,023	RE65,595	RE17,246	RE143,215	RE19,262	RE152,624	RE4,039	RE100,570	RE40,397	RE132,519
February	28,145	£59,639	£15,304	£130,296	£17,507	£143,682	£3,721	£92,960	£39,952	£123,347
2017 2-Month YTD	59,168	£125,233	£32,550	£273,511	£36,769	£296,306	£7,760	£193,529	£80,349	£255,865
2016 2-Month YTD	59,120	£149,809	£35,837	£277,955	£43,409	£310,593	£8,754	£191,144	£81,780	£228,824
2015 2-Month YTD	58,949	168,367	37,444	275,027	51,577	290,817	9,591	194,546	67,780	124,206

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	RE195,424	RE461,466	RE552,837	RE28,283	RE122,817	RE132,618	RE45,259	RE105,777	RE2,354,215
Total	RE2,468,312	RE5,263,973	RE6,985,576	RE367,251	RE1,375,108	RE1,602,701	€556,337	RE1,226,458	RE28,294,939
2017									
January	RE193,586	RE461,677	RE552,147	RE27,601	RE123,989	RE128,062	RE44,963	RE104,386	RE2,342,900
February	€181,222	€424,241	€515,079	€25,038	€112,310	€117,841	€40,342	€93,600	€2,164,223
2017 2-Month YTD	€374,807	€885,918	€1,067,227	€52,639	€236,298	€245,903	€85,304	€197,986	€4,507,123
2016 2-Month YTD	€415,258	€878,248	€1,183,780	€65,482	€222,365	€273,407	€94,708	€206,826	€4,727,298
2015 2-Month YTD	393,558	778,855	1,267,142	72,564	208,532	287,401	98,537	199,021	4,583,913

^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 ^c	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	2,949	7,309	534	22.1	66	795	728
February	4,361	2,545	6,906	871	52.0	111	515	403
March	4,352	2,495	6,847	1,015	68.6	215	274	59
April	4,355	2,654	7,009	852	47.3	294	130	-164
May	4,357	2,975	7,332	678	29.5	402	75	-327
June	4,360	3,195	7,555	540	20.3	318	94	-223
July	4,360	3,328	7,687	395	13.5	283	150	-133
August	4,360	3,451	7,811	201	6.2	286	162	-124
September	4,360	3,715	8,074	92	2.5	351	88	-262
October	4,362	4,022	8,385	72	1.8	387	78	-308
November	4,364	3,986	8,350	51	1.3	178	213	35
December	4,371	3,306	7,676	-369	-10.1	87	763	676
Total	--	--	--	--	--	2,978	3,337	359
2017								
January	4,370	2,632	7,002	-317	-10.7	101	776	675
February	4,369	2,347	6,716	-198	-7.8	131	416	285

^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.

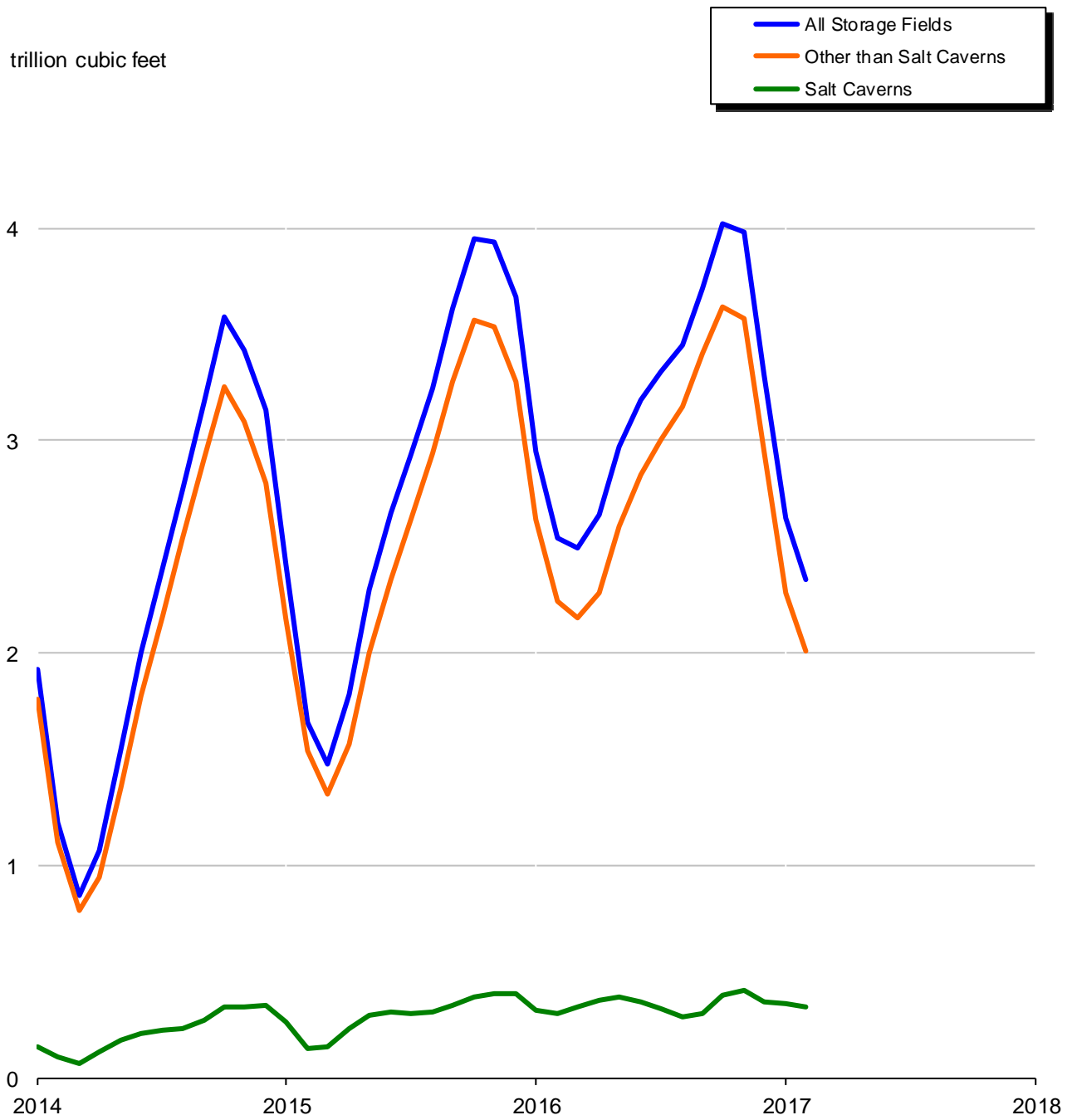
-- Not applicable.

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	2,949	7,309	534	22.1	66	795	728
February	4,361	2,545	6,906	871	52.0	111	515	403
March	4,352	2,495	6,847	1,015	68.6	215	274	59
Total	--	--	--	--	--	732	2,199	1,467
2016 Refill Season								
April	4,355	2,654	7,009	852	47.3	294	130	-164
May	4,357	2,975	7,332	678	29.5	402	75	-327
June	4,360	3,195	7,555	540	20.3	318	94	-223
July	4,360	3,328	7,687	395	13.5	283	150	-133
August	4,360	3,451	7,811	201	6.2	286	162	-124
September	4,360	3,715	8,074	92	2.5	351	88	-262
October	4,362	4,022	8,385	72	1.8	387	78	-308
Total	--	--	--	--	--	2,321	778	-1,543
2017 Heating Season								
November	4,364	3,986	8,350	51	1.3	178	213	35
December	4,371	3,306	7,676	-369	-10.1	87	763	676
January	4,370	2,632	7,002	-317	-10.7	101	776	675
February	4,369	2,347	6,716	-198	-7.8	131	416	285

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

-- Not applicable.

Notes: Data for 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
2017 2-Month YTD	--	--	--	--	--	95	115	21
2016 2-Month YTD	--	--	--	--	--	71	164	92
2015 2-Month YTD	--	--	--	--	--	39	246	206

^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	2,628	6,808	473	22.0	37	689	652
February	4,180	2,241	6,421	703	45.7	69	456	387
March	4,170	2,164	6,334	831	62.3	149	236	87
April	4,172	2,286	6,459	714	45.4	229	103	-126
May	4,174	2,598	6,772	594	29.6	357	40	-317
June	4,176	2,838	7,014	489	20.8	292	49	-243
July	4,176	3,000	7,176	372	14.2	251	88	-163
August	4,177	3,160	7,337	220	7.5	253	92	-160
September	4,175	3,411	7,586	129	3.9	299	51	-248
October	4,177	3,630	7,807	64	1.8	271	52	-220
November	4,177	3,575	7,752	37	1.1	131	185	55
December	4,185	2,948	7,133	-331	-10.1	48	671	623
Total	--	--	--	--	--	2,385	2,712	327
2017								
January	4,184	2,285	6,469	-343	-13.0	44	707	664
February	4,183	2,011	6,194	-231	-10.3	94	369	275
2017 2-Month YTD	--	--	--	--	--	138	1,077	939
2016 2-Month YTD	--	--	--	--	--	106	1,145	1,039
2015 2-Month YTD	--	--	--	--	--	92	1,353	1,260

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

State	2017			2016		
	February	January	Total	December	November	October
Alabama	-1,005	-254	1,019	3,462	-2,161	-5,368
Alaska ^a	1,409	2,213	-8,322	1,789	872	139
Arkansas	66	418	-1,688	739	-107	-152
California	4,304	50,405	39,603	43,736	1,937	-8,590
Colorado	4,859	10,983	-4,606	11,693	-1,452	-7,324
Illinois	42,917	59,371	5,282	53,639	623	-37,807
Indiana	3,067	5,972	3,478	4,712	-1,533	-2,257
Iowa	8,052	15,571	6,414	22,217	5,150	-18,715
Kansas	2,192	18,823	8,381	21,467	876	-5,573
Kentucky	7,787	16,622	9,205	16,756	51	-4,545
Louisiana	11,892	22,369	39,572	42,587	-3,970	-51,370
Maryland	2,048	3,915	2,916	2,604	893	133
Michigan	47,176	108,702	57,598	108,495	17,030	-27,683
Minnesota	450	321	38	44	14	-104
Mississippi	1,802	10,041	27,135	24,501	1,560	-24,918
Missouri	-20	163	-156	365	-210	-405
Montana	4,042	7,075	-7,364	8,305	2,401	-782
Nebraska	1,408	2,844	785	2,171	721	-1,221
New Mexico	1,321	4,466	669	4,345	-1,195	-1,530
New York	12,369	20,857	20,054	20,132	4,697	-7,006
Ohio	22,619	36,350	17,390	41,276	14,460	-10,323
Oklahoma	3,193	35,389	12,705	31,565	-5,705	-11,783
Oregon	606	4,500	2,390	5,032	406	-1,086
Pennsylvania	54,306	82,560	76,435	70,114	10,492	-16,859
Tennessee	14	31	-66	71	-14	-34
Texas	6,329	78,122	38,586	65,863	-17,919	-50,646
Utah	5,334	11,889	-1,208	12,286	-466	-1,542
Virginia	685	180	189	212	-211	-163
Washington	4,022	6,908	-2,216	3,465	448	-109
West Virginia	29,885	49,846	22,486	44,091	10,717	-7,057
Wyoming	1,737	8,000	-7,349	8,555	-3,105	-3,717
Regions						
East Region	121,912	193,707	139,471	178,428	41,048	-41,275
South Central Region	24,469	164,908	125,710	190,184	-27,426	-149,809
Midwest Region	109,443	206,754	81,793	206,299	21,111	-91,550
Mountain Region	18,701	45,258	-19,074	47,355	-3,096	-16,117
Pacific Region	8,931	61,813	39,778	52,233	2,790	-9,785
Total Lower 48 States	283,456	672,439	367,678	674,499	34,427	-308,536
U.S. Total	284,865	674,652	359,356	676,287	35,299	-308,397

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016					
	September	August	July	June	May	April
Alabama	-597	2,250	3,115	1,486	-1,536	-3,383
Alaska ^a	-1,321	-1,997	-1,976	-1,468	-1,957	-1,441
Arkansas	-318	-564	-517	-724	-801	-444
California	-3,383	4,248	769	-7,766	-16,700	-17,261
Colorado	-5,111	-3,745	-4,892	-5,512	-5,498	1,334
Illinois	-41,363	-33,535	-28,440	-32,072	-26,284	4,551
Indiana	-2,199	-1,850	-1,850	-2,226	-2,905	527
Iowa	-18,041	-14,078	-1,925	-2,856	-2,349	2,150
Kansas	-8,157	-2,098	-7,378	-4,701	-13,272	-7,167
Kentucky	-4,548	-128	-2,707	-2,776	-8,262	-16,117
Louisiana	-11,031	18,506	16,049	-2,585	-11,540	-20,296
Maryland	-150	-1,397	-1,133	-3,022	-1,671	716
Michigan	-54,745	-36,754	-35,799	-52,688	-65,480	-13,874
Minnesota	-197	-228	-205	-174	-76	7
Mississippi	-3,355	2,651	7,130	1,758	-6,684	-6,394
Missouri	-290	*	0	0	0	0
Montana	-2,191	-3,465	-3,260	-4,908	-5,202	-3,943
Nebraska	-1,132	-90	-151	-16	-1,099	-630
New Mexico	75	167	659	-391	-1,615	-1,170
New York	-12,209	-3,017	-3,467	-7,422	-11,246	-1,571
Ohio	-22,602	-23,658	-25,774	-26,258	-21,537	-5,040
Oklahoma	-2,082	1,055	-3,398	-3,069	-15,348	-9,402
Oregon	-266	-16	-887	-511	-1,218	-1,027
Pennsylvania	-43,300	-18,752	-21,094	-36,463	-32,012	-5,601
Tennessee	2	2	3	-38	-27	-17
Texas	112	21,278	18,530	7,624	-29,546	-38,115
Utah	-3,455	-2,871	-2,671	-4,887	-7,374	-814
Virginia	-185	-504	73	-46	-242	-508
Washington	-3,266	-2,091	-788	-1,834	-4,392	-2,918
West Virginia	-15,425	-22,388	-29,279	-25,941	-27,290	-14,238
Wyoming	-1,656	-769	-1,773	-3,980	-3,858	-2,386
Regions						
East Region	-93,871	-69,715	-80,674	-99,152	-93,997	-26,243
South Central Region	-25,428	43,079	33,529	-212	-78,727	-85,201
Midwest Region	-121,381	-86,571	-70,923	-92,831	-105,382	-22,774
Mountain Region	-13,469	-10,773	-12,088	-19,694	-24,646	-7,610
Pacific Region	-6,916	2,142	-906	-10,112	-22,310	-21,206
Total Lower 48 States	-261,066	-121,839	-131,061	-222,000	-325,062	-163,034
U.S. Total	-262,387	-123,835	-133,038	-223,469	-327,019	-164,475

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016			Total	2015	
	March	February	January		December	November
Alabama	-323	-713	4,787	-3,817	-249	-1,217
Alaska ^a	-451	-459	-50	782	140	197
Arkansas	438	328	434	-1,046	-127	-283
California	-4,805	7,203	40,217	-2,698	44,087	5,699
Colorado	3,688	2,412	9,800	-5,930	9,420	1,802
Illinois	26,092	50,274	69,604	-10,603	45,715	-1,164
Indiana	1,694	5,259	6,106	-4,411	1,569	-1,236
Iowa	4,762	10,674	19,427	-4,955	16,556	4,637
Kansas	-4,070	11,913	26,541	-11,154	11,377	7,836
Kentucky	2,150	9,656	19,675	-17,554	7,953	-1,730
Louisiana	-14,011	21,175	56,058	-88,237	8,860	-15,244
Maryland	-342	2,294	3,991	-1,304	517	490
Michigan	30,025	80,654	108,415	-87,722	30,889	3,499
Minnesota	515	127	315	-78	10	-149
Mississippi	-12,187	6,944	36,129	-27,879	-723	-4,892
Missouri	119	-168	433	-586	28	-212
Montana	-770	2,057	4,394	-3,197	3,620	2,456
Nebraska	-103	549	1,788	-786	979	212
New Mexico	-1,658	1,413	1,568	-19,897	-616	-2,132
New York	4,660	14,573	21,931	-15,923	2,020	7
Ohio	17,603	32,160	47,082	-33,025	19,441	7,717
Oklahoma	-5,923	10,070	26,725	-32,397	8,250	3,951
Oregon	-362	481	1,845	474	2,338	1,139
Pennsylvania	20,011	62,426	87,473	-41,111	11,466	-6,135
Tennessee	-32	-6	25	-453	-54	-102
Texas	-19,445	24,128	56,721	-91,530	6,424	-2,086
Utah	-1,928	3,685	8,830	-8,073	6,185	3,131
Virginia	135	17	1,612	-468	48	-270
Washington	1,935	5,854	1,480	4,545	2,710	3,788
West Virginia	11,571	35,666	62,059	-28,151	23,857	2,855
Wyoming	-139	2,448	3,031	-1,237	1,646	-255
Regions						
East Region	53,638	147,136	224,148	-119,981	57,349	4,664
South Central Region	-55,521	73,846	207,396	-256,060	33,813	-11,936
Midwest Region	65,327	156,470	224,000	-126,362	102,665	3,543
Mountain Region	-910	12,562	29,411	-39,121	21,235	5,213
Pacific Region	-3,232	13,538	43,542	2,322	49,135	10,625
Total Lower 48 States	59,302	403,552	728,497	-539,203	264,197	12,109
U.S. Total	58,851	403,093	728,447	-538,421	264,337	12,306

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015					
	October	September	August	July	June	May
Alabama	-415	-2,416	1,057	-971	-734	-5,684
Alaska ^a	-52	92	-108	-171	-78	-71
Arkansas	-212	-141	-403	-437	-357	-411
California	-18,709	-6,577	1,758	-8,522	-10,336	-25,451
Colorado	-4,141	-5,250	-5,181	-5,048	-6,817	-5,045
Illinois	-36,756	-37,238	-34,172	-32,685	-29,520	-28,714
Indiana	-2,047	-3,878	-3,494	-2,687	-2,942	-2,903
Iowa	-14,124	-16,136	-13,614	-2,563	-6,962	-5,355
Kansas	-5,912	-14,045	-9,249	-16,737	-11,868	-13,935
Kentucky	-9,465	-7,783	-6,294	-5,729	-5,537	-9,947
Louisiana	-40,257	-33,722	-20,717	-17,892	-16,431	-36,612
Maryland	-262	-372	-2,786	-2,440	-2,577	-2,522
Michigan	-60,050	-75,170	-81,284	-74,938	-82,493	-82,150
Minnesota	-262	-219	-202	-176	-37	6
Mississippi	-14,206	-16,234	-4,313	-1,700	-11,013	-21,243
Missouri	-268	-581	0	0	*	0
Montana	-1,050	-2,101	-3,445	-3,385	-3,128	-2,545
Nebraska	-1,193	-1,296	-965	-77	-1,343	-1,121
New Mexico	-2,258	-1,275	-1,429	-1,726	-1,306	-2,874
New York	-6,129	-8,376	-8,289	-9,553	-15,297	-12,852
Ohio	-11,308	-22,886	-27,651	-25,160	-26,651	-31,413
Oklahoma	-13,483	-8,189	-6,183	-8,740	-17,758	-30,908
Oregon	-1,330	-1,482	-685	2	-374	-2,416
Pennsylvania	-31,589	-38,785	-35,179	-24,593	-51,105	-62,659
Tennessee	-93	-64	-59	-60	-49	-53
Texas	-41,913	-35,276	-6,397	-1,462	-23,854	-64,583
Utah	-1,402	-4,323	-3,183	-5,792	-5,110	-6,367
Virginia	-545	-623	-508	-87	-509	-600
Washington	-792	-2,976	-4,747	278	122	-4,285
West Virginia	-9,191	-22,829	-30,326	-28,865	-25,786	-33,369
Wyoming	-1,419	-1,866	-1,115	-1,186	-1,715	-1,151
Regions						
East Region	-59,024	-93,873	-104,740	-90,699	-121,926	-143,415
South Central Region	-116,399	-110,024	-46,205	-47,939	-82,015	-173,376
Midwest Region	-123,064	-141,069	-139,118	-118,838	-127,539	-129,116
Mountain Region	-11,462	-16,112	-15,317	-17,214	-19,419	-19,103
Pacific Region	-20,831	-11,035	-3,674	-8,243	-10,588	-32,152
Total Lower 48 States	-330,780	-372,112	-309,054	-282,933	-361,486	-497,162
U.S. Total	-330,832	-372,021	-309,162	-283,104	-361,564	-497,234

See footnotes at end of table.

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

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

^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: 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, February 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	24,176	34,626	3,508	17.0	2,411	1,406
Alaska ^a	5	83,592	67,915	14,197	29,014	43,211	4,224	17.0	236	1,645
Arkansas	2	21,853	12,178	12,880	1,803	14,683	746	70.6	377	443
California	14	602,008	371,436	230,605	184,176	414,781	-56,292	-23.4	7,984	12,287
Colorado	10	130,186	63,774	58,582	29,632	88,214	1,010	3.5	3,358	8,216
Illinois	28	1,004,410	303,613	703,379	100,821	804,200	11,578	13.0	2,900	45,818
Indiana	21	111,721	33,674	77,198	14,177	91,375	-1,100	-7.2	470	3,537
Iowa	4	288,210	90,313	197,897	28,033	225,930	64	0.2	6	8,058
Kansas	16	282,986	122,982	164,133	66,147	230,280	9,035	15.8	8,527	10,719
Kentucky	23	221,723	107,572	112,939	63,726	176,665	-4,311	-6.3	1,531	9,319
Louisiana	19	743,373	453,502	278,299	304,667	582,965	-904	-0.3	20,962	32,854
Maryland	1	64,000	18,300	45,677	6,517	52,194	-2,594	-28.5	599	2,648
Michigan	44	1,071,630	685,726	386,921	374,036	760,956	-24,552	-6.2	6,540	53,717
Minnesota	1	7,000	2,000	4,848	1,315	6,163	-368	-21.8	0	450
Mississippi	12	334,654	204,713	115,716	130,377	246,092	4,351	3.5	11,600	13,402
Missouri	1	13,845	6,000	7,845	6,261	14,107	63	1.0	171	150
Montana	4	376,225	197,477	178,501	16,137	194,637	2,698	20.1	43	4,085
Nebraska	1	34,850	12,653	22,197	5,302	27,499	-2,791	-34.5	155	1,562
New Mexico	2	89,100	59,738	29,362	39,117	68,479	-3,475	-8.2	531	1,853
New York	26	245,779	126,871	114,762	56,554	171,316	-16,741	-22.8	2,344	14,713
Ohio	24	575,794	230,840	342,918	89,197	432,115	2,976	3.5	1,267	23,886
Oklahoma	13	376,528	196,675	179,696	114,981	294,677	-11,118	-8.8	9,461	12,655
Oregon	7	29,565	15,935	11,186	8,148	19,334	-4,204	-34.0	536	1,141
Pennsylvania	49	760,619	426,361	336,265	169,647	505,912	-55,967	-24.8	11,638	65,944
Tennessee	2	2,400	1,800	878	1,172	2,049	29	2.5	6	20
Texas	36	854,759	550,137	298,406	338,811	637,217	-47,620	-12.3	28,987	35,316
Utah	3	124,509	54,942	69,508	23,013	92,521	-3,500	-13.2	6	5,341
Virginia	2	9,500	5,400	4,100	4,148	8,248	575	16.1	543	1,228
Washington	1	46,900	24,600	22,300	8,365	30,665	-1,380	-14.2	1,619	5,641
West Virginia	31	530,837	261,341	269,899	80,392	350,291	-5,063	-5.9	2,679	32,564
Wyoming	9	157,744	73,705	67,671	27,324	94,996	3,453	14.5	3,942	5,680
Regions										
East Region	133	2,186,529	1,069,113	1,113,621	406,455	1,520,076	-76,815	-15.9	19,070	140,982
South Central Region	100	2,657,753	1,573,337	1,059,579	980,962	2,040,541	-42,004	-4.1	82,326	106,795
Midwest Region	124	2,720,938	1,230,697	1,491,904	589,542	2,081,446	-18,598	-3.1	11,625	121,068
Mountain Region	29	912,614	462,289	425,821	140,525	566,345	-2,604	-1.8	8,035	26,737
Pacific Region	22	678,473	411,971	264,091	200,689	464,780	-61,876	-23.6	10,138	19,069
Total Lower 48 States	408	9,156,307	4,747,407	4,355,016	2,318,172	6,673,189	-201,897	-8.0	131,195	414,651
U.S. Total	413	9,239,900	4,815,322	4,369,213	2,347,186	6,716,399	-197,673	-7.8	131,431	416,296

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

Notes: Existing fields include both active and inactive fields. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Total gas capacity may not equal the sum of base gas and working gas capacity, owing to changes in operational conditions. Totals may not equal sum of components because of independent rounding. EIA publishes weekly estimates of working gas in underground storage by geographical region; 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	2016	2015	2017		2016	
	2-Month YTD	2-Month YTD	2-Month YTD	February	January	Total	December
Alabama	8,215	12,966	16,619	3,289	4,925	28,980	4,979
Alaska	5,714	4,427	4,955	2,523	3,191	17,781	2,970
Arizona	NA	14,402	11,710	NA	6,674	34,815	4,941
Arkansas	8,568	10,584	15,773	3,179	5,388	26,132	5,723
California	NA	112,880	101,118	53,637	NA	409,429	66,085
Colorado	38,010	39,730	38,040	14,910	23,100	122,273	22,187
Connecticut	16,025	16,531	20,314	7,326	8,700	47,856	8,119
Delaware	3,317	3,963	5,199	1,384	1,933	10,020	1,775
District of Columbia	NA	4,809	6,052	NA	NA	11,487	2,014
Florida	NA	5,179	4,902	NA	1,928	15,794	1,639
Georgia	30,659	46,336	52,935	12,462	18,196	117,092	19,653
Hawaii	110	99	112	52	58	571	52
Idaho	9,900	7,706	7,047	3,773	6,127	24,561	5,819
Illinois	119,602	140,922	168,094	47,520	72,082	384,290	76,626
Indiana	38,858	48,243	58,952	15,357	23,502	125,716	26,456
Iowa	20,185	23,262	26,637	8,502	11,684	60,664	12,573
Kansas	18,701	22,168	24,001	7,008	11,693	56,121	12,424
Kentucky	13,917	19,551	23,589	5,619	8,298	46,286	9,482
Louisiana	8,348	13,117	15,777	3,153	5,195	33,472	5,143
Maine	865	850	1,054	408	457	2,625	451
Maryland	NA	30,589	37,661	10,924	NA	75,743	13,462
Massachusetts	36,319	38,689	52,312	16,656	19,663	115,739	19,827
Michigan	92,686	105,214	132,695	39,390	53,296	301,407	55,042
Minnesota	40,375	44,227	47,251	16,691	23,684	119,491	22,005
Mississippi	5,692	8,465	10,708	2,173	3,519	NA	3,772
Missouri	30,664	37,368	40,460	11,344	19,320	92,157	21,067
Montana	7,284	5,653	5,900	3,017	4,268	19,815	4,120
Nebraska	12,116	12,383	14,185	5,128	6,989	32,644	6,839
Nevada	14,623	13,905	11,333	6,167	8,457	38,271	6,637
New Hampshire	2,330	2,471	3,356	1,042	1,288	7,084	1,289
New Jersey	71,146	79,006	97,609	31,185	39,961	219,410	37,077
New Mexico	10,378	11,730	11,263	4,251	6,126	32,662	5,918
New York	134,380	143,056	180,107	60,832	73,548	419,700	67,377
North Carolina	18,974	29,331	32,827	7,080	11,894	65,037	13,017
North Dakota	3,714	3,499	4,062	1,581	2,133	10,155	2,160
Ohio	79,110	98,575	120,006	32,795	46,315	256,158	46,063
Oklahoma	17,646	20,186	26,004	6,247	11,400	51,819	11,843
Oregon	16,564	11,975	10,438	6,649	9,915	40,712	8,999
Pennsylvania	72,168	84,951	100,245	31,514	40,654	223,477	39,761
Rhode Island	5,663	6,288	8,365	2,609	3,054	17,700	3,153
South Carolina	7,820	12,612	13,995	2,976	4,844	27,754	5,410
South Dakota	3,959	4,099	4,519	1,477	2,482	11,787	2,541
Tennessee	19,202	28,156	34,620	7,505	11,697	62,836	13,220
Texas	NA	71,403	90,508	22,929	NA	175,286	29,021
Utah	20,986	21,405	16,624	7,281	13,705	63,797	13,113
Vermont	1,086	1,117	1,485	518	568	3,396	534
Virginia	NA	31,509	40,192	10,147	NA	75,724	11,855
Washington	29,036	22,144	19,873	12,341	16,695	76,179	15,993
West Virginia	7,155	9,573	10,761	3,098	4,057	23,559	4,146
Wisconsin	40,557	44,498	53,207	17,155	23,402	124,213	24,126
Wyoming	4,287	3,401	3,423	1,868	2,420	11,675	2,366
Total	1,418,489	1,585,203	1,838,870	583,688	834,801	4,391,480	800,860

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	November	October	September	August	July	June	May
Alabama	1,826	893	633	659	689	849	997
Alaska	2,314	1,711	828	534	479	534	864
Arizona	2,295	1,421	1,134	1,021	1,072	1,314	1,750
Arkansas	1,761	706	587	529	564	665	902
California	37,269	22,105	19,803	18,507	19,421	21,129	24,628
Colorado	11,580	5,970	3,231	2,751	2,597	2,956	6,531
Connecticut	4,606	2,050	1,000	933	1,075	1,365	2,385
Delaware	824	292	171	160	171	231	475
District of Columbia	964	345	207	216	246	287	501
Florida	R1,118	R847	R750	R705	R723	R824	R1,000
Georgia	10,235	4,850	3,821	3,854	3,670	3,801	4,678
Hawaii	47	45	49	45	45	45	44
Idaho	2,626	1,437	681	492	518	580	881
Illinois	32,672	14,594	7,759	7,419	7,782	9,472	15,751
Indiana	11,533	4,363	2,382	2,240	2,063	2,265	4,827
Iowa	4,563	1,996	1,317	1,042	1,167	1,173	2,228
Kansas	4,929	1,598	1,182	1,030	1,118	1,426	2,331
Kentucky	3,929	1,305	778	780	725	817	1,509
Louisiana	2,119	1,480	1,303	1,330	1,270	1,321	1,579
Maine	231	134	58	44	52	63	143
Maryland	6,773	2,638	1,421	1,339	1,479	1,778	3,331
Massachusetts	10,970	5,604	2,520	2,356	2,519	2,893	5,800
Michigan	28,104	15,258	6,808	5,012	5,559	6,159	12,489
Minnesota	R10,006	R5,645	R2,641	R2,537	R2,343	R2,991	R4,321
Mississippi	1,348	624	571	553	567	NA	815
Missouri	7,285	2,607	1,663	1,739	1,763	1,942	2,934
Montana	2,195	1,434	655	420	415	534	969
Nebraska	2,344	1,019	698	657	704	894	1,354
Nevada	2,832	1,772	1,359	1,183	1,243	1,486	1,952
New Hampshire	723	239	158	133	134	173	307
New Jersey	19,022	9,042	4,785	4,501	5,901	6,524	10,990
New Mexico	3,074	1,217	937	776	841	1,087	1,549
New York	38,700	18,644	9,617	9,441	10,979	13,039	22,528
North Carolina	6,352	1,732	1,096	1,054	1,055	1,231	1,670
North Dakota	875	635	220	177	164	183	378
Ohio	23,488	10,407	4,734	4,832	4,251	4,876	10,529
Oklahoma	3,903	1,774	1,334	1,214	1,160	1,409	1,811
Oregon	4,096	2,827	1,226	890	1,005	1,173	1,648
Pennsylvania	21,335	9,168	4,331	4,094	4,264	5,242	9,866
Rhode Island	1,804	932	370	242	276	335	767
South Carolina	2,633	733	504	487	450	502	723
South Dakota	908	526	242	212	198	232	529
Tennessee	4,681	1,503	1,088	974	1,070	1,234	1,772
Texas	9,101	6,502	5,346	5,374	5,948	7,068	7,366
Utah	6,350	2,973	1,778	1,363	1,710	1,460	2,988
Vermont	313	143	84	74	89	109	196
Virginia	6,535	2,887	1,452	1,346	1,403	2,054	3,072
Washington	7,828	5,538	2,548	1,779	1,853	2,296	3,165
West Virginia	2,299	896	366	326	367	375	735
Wisconsin	10,265	5,535	2,379	2,103	2,338	2,581	5,006
Wyoming	1,109	707	343	253	228	290	754
Total	R384,690	R189,302	R110,946	R101,730	R107,722	R124,007	R196,321

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016				Total	2015	
	April	March	February	January		December	November
Alabama	1,678	2,811	5,627	7,340	32,709	3,492	2,079
Alaska	1,233	1,886	2,068	2,359	18,574	2,683	2,317
Arizona	2,402	3,064	5,763	8,638	34,507	6,665	3,133
Arkansas	1,457	2,654	4,770	5,813	32,998	4,259	2,357
California	28,039	39,564	43,489	69,390	401,172	73,056	44,392
Colorado	10,396	14,346	17,334	22,396	122,364	22,545	16,187
Connecticut	4,229	5,562	7,947	8,584	50,975	4,749	3,846
Delaware	823	1,135	1,879	2,084	11,260	1,049	772
District of Columbia	791	1,107	2,285	2,524	13,494	1,456	994
Florida	1,262	1,749	2,408	2,772	15,044	1,425	1,204
Georgia	6,530	9,664	19,992	26,344	118,025	11,963	10,264
Hawaii	51	49	47	52	572	47	44
Idaho	1,290	2,532	3,241	4,466	23,482	4,842	3,704
Illinois	30,185	41,109	62,368	78,554	400,876	50,976	36,127
Indiana	9,496	11,848	21,727	26,516	133,045	16,792	11,707
Iowa	4,620	6,723	10,123	13,139	62,739	9,058	5,499
Kansas	2,631	5,285	8,935	13,233	57,408	8,784	5,493
Kentucky	2,673	4,737	8,694	10,856	49,426	5,853	4,167
Louisiana	2,028	2,782	5,204	7,912	36,046	3,679	2,331
Maine	258	342	401	450	2,700	315	246
Maryland	5,405	7,528	13,550	17,039	82,858	8,376	6,235
Massachusetts	10,379	14,183	18,657	20,032	126,662	12,658	9,466
Michigan	27,859	33,905	48,755	56,459	312,098	35,475	28,390
Minnesota	10,032	12,742	20,031	24,196	117,586	17,835	10,603
Mississippi	NA	1,730	3,307	5,159	23,248	2,448	1,833
Missouri	5,008	8,781	15,238	22,130	95,503	12,940	7,731
Montana	1,336	2,084	2,377	3,276	18,796	3,263	2,636
Nebraska	2,295	3,457	5,397	6,986	34,663	5,620	2,921
Nevada	2,449	3,452	5,542	8,364	37,029	7,344	4,218
New Hampshire	626	831	1,136	1,334	7,842	884	680
New Jersey	18,208	24,355	35,568	43,438	237,104	22,176	16,145
New Mexico	2,184	3,349	4,976	6,754	33,130	6,207	3,759
New York	37,670	48,649	67,663	75,393	452,148	44,300	33,879
North Carolina	3,327	5,172	13,015	16,316	64,523	6,836	6,169
North Dakota	778	1,086	1,524	1,975	10,552	1,698	1,060
Ohio	21,466	26,937	44,213	54,362	285,306	30,726	22,078
Oklahoma	2,441	4,745	7,832	12,354	59,387	9,335	5,700
Oregon	2,280	4,595	4,943	7,032	37,257	6,962	5,748
Pennsylvania	17,384	23,082	38,618	46,333	235,635	24,488	18,219
Rhode Island	1,541	1,991	2,872	3,416	20,042	1,952	1,632
South Carolina	1,408	2,293	5,713	6,899	27,417	3,019	2,374
South Dakota	983	1,317	1,785	2,314	11,751	2,016	1,174
Tennessee	3,312	5,827	12,089	16,067	67,301	7,707	4,810
Texas	11,575	16,582	30,037	41,366	211,370	28,032	11,027
Utah	4,442	6,215	9,011	12,393	58,562	12,346	8,345
Vermont	357	380	541	576	3,833	402	294
Virginia	5,427	8,183	14,331	17,179	85,464	8,151	6,455
Washington	4,151	8,883	9,250	12,895	71,952	12,477	11,223
West Virginia	1,808	2,668	4,221	5,352	24,807	2,449	2,120
Wisconsin	11,130	14,251	19,744	24,754	126,854	16,449	11,077
Wyoming	953	1,270	1,490	1,912	11,576	2,277	1,489
Total	1,331,232	1,459,468	1,697,728	1,887,474	4,609,670	590,535	406,355

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015						
	October	September	August	July	June	May	April
Alabama	956	710	705	720	765	1,111	1,694
Alaska	1,429	1,040	531	499	589	883	1,473
Arizona	1,345	1,080	978	1,065	1,320	1,820	2,191
Arkansas	794	585	556	598	666	941	1,631
California	19,235	17,032	17,399	18,932	20,889	27,358	29,622
Colorado	5,800	2,924	2,403	2,633	3,115	7,343	8,503
Connecticut	2,101	948	970	1,089	1,330	2,112	4,766
Delaware	406	168	178	175	194	289	754
District of Columbia	567	276	262	264	256	456	866
Florida	1,070	626	628	824	859	924	1,217
Georgia	5,883	3,800	3,751	3,663	3,679	4,354	5,538
Hawaii	44	41	43	45	46	46	54
Idaho	1,017	652	367	494	521	900	1,736
Illinois	18,138	8,118	7,790	7,959	9,419	13,194	26,783
Indiana	5,768	2,419	2,008	2,172	2,309	3,713	8,643
Iowa	2,408	1,280	1,052	1,189	1,394	2,157	4,112
Kansas	2,143	1,569	1,418	1,132	1,357	1,823	2,487
Kentucky	1,640	885	889	899	900	1,217	2,309
Louisiana	1,503	1,326	1,178	1,266	1,260	1,642	1,842
Maine	145	48	48	49	71	95	224
Maryland	3,881	1,542	1,580	1,657	1,783	2,200	4,975
Massachusetts	5,833	2,486	2,463	2,641	3,330	4,364	10,124
Michigan	16,422	6,006	5,872	5,572	6,616	10,476	22,109
Minnesota	5,140	2,331	2,553	2,292	2,435	3,958	8,177
Mississippi	833	728	589	620	652	718	1,060
Missouri	3,096	1,646	1,729	1,595	1,807	2,514	6,206
Montana	1,042	494	379	382	401	903	1,448
Nebraska	1,081	683	695	809	971	1,343	2,137
Nevada	1,449	1,228	1,189	1,120	1,497	1,901	2,366
New Hampshire	251	153	146	151	186	244	596
New Jersey	8,928	4,507	4,589	5,481	6,160	8,995	21,273
New Mexico	1,247	829	840	808	1,262	1,572	1,919
New York	20,673	10,201	10,144	10,330	13,068	18,250	36,469
North Carolina	2,737	1,092	1,214	1,016	1,123	1,308	2,814
North Dakota	509	199	209	168	205	447	720
Ohio	12,188	4,677	4,717	5,012	6,095	9,819	22,267
Oklahoma	1,814	1,240	1,227	1,204	1,327	1,936	2,647
Oregon	1,772	1,195	825	844	968	1,703	3,258
Pennsylvania	11,556	4,796	4,062	4,148	5,380	7,625	17,156
Rhode Island	1,063	391	404	437	498	577	1,426
South Carolina	1,032	549	513	502	496	687	1,066
South Dakota	478	228	219	190	278	508	783
Tennessee	1,967	1,155	995	1,033	1,201	1,606	3,087
Texas	6,334	5,401	4,874	6,479	6,360	6,857	10,986
Utah	2,015	1,329	1,555	1,634	1,958	3,129	4,515
Vermont	168	81	74	89	107	156	367
Virginia	3,540	1,903	1,475	1,526	1,649	2,226	4,750
Washington	4,202	2,615	1,638	1,701	1,916	3,105	5,975
West Virginia	1,235	385	337	243	416	668	1,631
Wisconsin	6,091	2,502	2,310	2,478	2,481	4,550	9,496
Wyoming	437	300	199	244	410	731	888
Total	201,405	108,401	102,770	108,073	123,975	177,453	319,134

See footnotes at end of table.

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

State	2015		
	March	February	January
Alabama	3,858	8,542	8,077
Alaska	2,174	2,212	2,743
Arizona	3,200	4,275	7,435
Arkansas	4,838	7,706	8,067
California	32,140	40,902	60,216
Colorado	12,871	16,449	21,591
Connecticut	8,749	10,279	10,035
Delaware	2,076	2,533	2,665
District of Columbia	2,046	2,886	3,166
Florida	1,364	2,443	2,459
Georgia	12,196	26,722	26,213
Hawaii	51	52	60
Idaho	2,203	2,701	4,346
Illinois	54,278	85,540	82,554
Indiana	18,560	29,649	29,303
Iowa	7,953	13,543	13,094
Kansas	7,202	11,373	12,628
Kentucky	7,078	12,025	11,564
Louisiana	4,242	7,405	8,372
Maine	404	529	526
Maryland	12,967	19,141	18,521
Massachusetts	20,986	26,240	26,072
Michigan	42,465	68,402	64,293
Minnesota	15,010	23,783	23,468
Mississippi	3,058	4,909	5,799
Missouri	15,779	20,729	19,731
Montana	1,947	2,604	3,296
Nebraska	4,219	6,971	7,214
Nevada	3,384	4,287	7,046
New Hampshire	1,197	1,665	1,691
New Jersey	41,241	50,550	47,059
New Mexico	3,422	5,014	6,249
New York	74,728	91,104	89,003
North Carolina	7,387	17,363	15,464
North Dakota	1,277	2,055	2,006
Ohio	47,720	61,207	58,799
Oklahoma	6,954	12,791	13,212
Oregon	3,543	4,187	6,251
Pennsylvania	37,960	51,850	48,396
Rhode Island	3,296	4,154	4,211
South Carolina	3,183	7,065	6,930
South Dakota	1,358	2,162	2,357
Tennessee	9,120	18,019	16,601
Texas	34,512	36,889	53,619
Utah	5,112	6,449	10,176
Vermont	610	760	725
Virginia	13,596	20,861	19,331
Washington	7,229	8,084	11,788
West Virginia	4,563	5,640	5,121
Wisconsin	16,213	27,502	25,705
Wyoming	1,177	1,457	1,966
Total	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	2016	2015	2017		2016	
	2-Month YTD	2-Month YTD	2-Month YTD	February	January	Total	December
Alabama	5,179	7,718	9,137	2,130	3,049	23,711	3,336
Alaska	4,593	3,862	4,464	2,053	2,540	15,948	2,277
Arizona	7,429	7,841	7,062	3,414	4,015	30,725	3,630
Arkansas	10,774	11,717	14,406	4,501	6,273	45,267	6,208
California	51,874	47,868	44,618	22,196	29,678	235,267	28,663
Colorado	15,788	16,531	16,008	6,262	9,526	54,176	9,058
Connecticut	14,092	14,397	16,531	6,449	7,643	51,828	7,325
Delaware	3,373	3,661	4,128	1,497	1,877	12,832	1,939
District of Columbia	3,387	4,933	5,691	1,512	1,875	15,410	2,129
Florida	NA	12,430	12,908	NA	6,113	61,039	5,757
Georgia	12,497	18,454	20,309	5,207	7,290	51,896	7,729
Hawaii	349	315	336	164	185	1,926	170
Idaho	6,176	4,859	4,457	2,454	3,722	17,316	3,221
Illinois	59,846	66,529	78,364	24,483	35,362	209,624	34,525
Indiana	21,074	25,320	30,773	8,358	12,716	74,325	13,461
Iowa	14,206	15,876	17,766	6,107	8,099	48,628	8,277
Kansas	8,554	9,944	10,164	3,252	5,302	NA	5,369
Kentucky	9,277	12,274	14,837	3,848	5,429	34,104	6,038
Louisiana	5,762	7,378	7,906	2,436	3,326	30,340	3,542
Maine	2,518	2,565	3,341	1,184	1,334	NA	1,305
Maryland	17,738	20,931	23,513	7,919	9,819	69,765	9,973
Massachusetts	26,965	28,459	36,467	12,447	14,517	99,142	14,636
Michigan	47,719	51,196	62,304	21,159	26,560	161,569	25,089
Minnesota	30,113	31,123	34,371	13,013	17,100	93,812	14,977
Mississippi	4,100	5,416	6,329	1,713	2,387	18,341	2,400
Missouri	NA	20,037	22,090	NA	10,356	59,444	10,500
Montana	7,169	5,678	5,797	3,046	4,122	21,711	4,021
Nebraska	8,844	8,776	9,916	3,989	4,856	26,475	4,802
Nevada	7,980	7,712	6,719	3,493	4,488	30,730	3,952
New Hampshire	2,739	2,904	3,930	1,222	1,517	8,766	1,530
New Jersey	NA	44,046	56,559	NA	NA	157,393	24,251
New Mexico	6,410	6,966	6,899	2,471	3,939	25,745	4,108
New York	79,271	87,483	102,538	36,941	42,331	310,064	40,704
North Carolina	12,641	18,329	19,249	5,111	7,530	56,592	7,565
North Dakota	4,065	3,812	4,492	1,725	2,339	12,023	2,387
Ohio	43,567	53,476	66,021	18,409	25,158	152,943	24,229
Oklahoma	11,520	12,514	15,268	4,423	7,097	38,626	6,979
Oregon	10,404	7,513	6,565	4,268	6,136	27,828	5,193
Pennsylvania	42,545	49,942	57,622	19,185	23,360	148,756	23,834
Rhode Island	3,416	3,773	4,940	1,529	1,887	10,869	1,864
South Carolina	4,934	6,950	7,222	2,125	2,810	24,191	2,895
South Dakota	3,217	3,336	3,686	1,242	1,975	10,510	1,982
Tennessee	12,610	17,835	20,704	5,281	7,329	52,082	8,391
Texas	NA	42,875	49,617	NA	NA	NA	20,140
Utah	12,068	12,202	9,598	4,490	7,579	38,760	6,977
Vermont	1,508	1,614	1,699	685	822	NA	834
Virginia	NA	20,818	24,830	7,147	NA	67,071	8,057
Washington	16,843	13,169	12,134	7,402	9,440	51,139	8,615
West Virginia	5,388	6,713	7,422	2,438	2,950	22,390	3,109
Wisconsin	26,102	28,196	33,404	10,810	15,292	87,802	14,479
Wyoming	4,352	3,480	3,517	1,922	2,431	12,641	2,136
Total	842,561	921,748	1,048,631	364,399	478,163	3,125,257	464,566

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	November	October	September	August	July	June	May
Alabama	2,290	1,515	1,036	1,053	1,015	1,180	1,244
Alaska	1,985	1,403	864	642	566	664	825
Arizona	2,643	1,985	1,792	1,759	1,771	1,910	2,165
Arkansas	4,004	3,056	2,639	2,571	2,433	2,529	2,837
California	22,150	17,177	16,573	17,531	15,553	15,889	16,362
Colorado	5,136	2,751	1,815	1,503	1,647	1,838	3,121
Connecticut	4,997	3,279	2,543	2,541	2,521	2,175	2,917
Delaware	1,309	898	620	588	540	535	695
District of Columbia	1,536	875	657	681	670	623	854
Florida	5,137	4,604	4,452	4,189	4,538	4,450	4,774
Georgia	4,656	2,608	2,113	2,083	2,045	2,078	2,465
Hawaii	165	162	171	163	155	154	151
Idaho	1,632	1,245	798	701	657	653	851
Illinois	17,156	12,531	8,174	7,896	7,882	7,251	10,496
Indiana	6,439	4,377	2,748	2,515	2,116	2,215	3,327
Iowa	4,136	2,937	1,790	1,806	1,738	1,586	2,110
Kansas	2,432	1,786	1,402	1,429	1,371	1,476	NA
Kentucky	3,045	1,720	1,187	1,137	1,069	1,023	1,545
Louisiana	2,572	2,192	1,964	2,071	1,882	1,909	2,219
Maine	776	526	NA	279	294	324	493
Maryland	6,787	4,106	3,179	2,896	2,823	3,188	4,081
Massachusetts	9,770	6,940	4,187	3,980	3,715	3,621	5,404
Michigan	13,434	8,386	5,464	5,284	5,093	5,515	8,703
Minnesota	R8,140	R5,463	R2,987	R2,877	R2,709	R3,116	R4,634
Mississippi	1,632	1,111	1,001	985	930	1,173	1,207
Missouri	R5,711	R3,079	R2,067	R2,211	R2,128	R2,122	R2,782
Montana	2,279	1,585	951	756	745	778	1,158
Nebraska	2,296	1,236	937	913	942	1,029	1,243
Nevada	2,606	2,126	1,813	1,701	1,748	1,760	2,155
New Hampshire	918	376	241	209	206	255	398
New Jersey	12,040	8,115	7,542	8,440	8,390	8,184	9,176
New Mexico	3,440	1,583	1,208	1,086	1,041	1,152	1,288
New York	27,805	21,085	15,423	16,633	16,016	15,142	17,114
North Carolina	5,369	3,403	2,826	2,826	2,617	2,615	2,915
North Dakota	1,051	810	363	305	308	302	430
Ohio	14,644	8,588	4,917	4,931	4,220	4,182	6,674
Oklahoma	3,002	1,991	1,684	1,646	1,495	1,565	2,092
Oregon	2,577	1,998	1,197	980	1,026	1,093	1,438
Pennsylvania	14,846	8,847	5,067	4,814	4,553	4,967	7,146
Rhode Island	1,031	578	236	169	176	237	555
South Carolina	2,470	1,619	1,309	1,325	1,157	1,279	1,422
South Dakota	970	594	351	300	301	304	485
Tennessee	4,929	2,663	2,141	2,052	2,035	2,032	2,652
Texas	13,071	10,754	10,095	10,092	10,294	NA	10,611
Utah	4,188	1,955	1,347	1,028	1,235	1,075	2,010
Vermont	567	489	348	350	345	306	286
Virginia	7,385	4,444	2,936	2,664	2,646	3,132	3,556
Washington	4,767	3,790	2,494	2,176	2,268	2,441	2,828
West Virginia	2,051	1,336	994	1,001	1,059	984	1,208
Wisconsin	7,348	4,834	3,110	3,029	2,838	3,132	4,532
Wyoming	1,185	801	522	442	413	406	810
Total	R282,506	R192,312	R142,578	R141,242	R135,936	R138,949	R172,192

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016				Total	2015	
	April	March	February	January		December	November
Alabama	1,497	1,825	3,106	4,613	24,915	2,398	2,348
Alaska	1,195	1,664	1,752	2,110	18,472	2,469	2,028
Arizona	2,460	2,770	3,398	4,443	30,528	4,130	3,014
Arkansas	3,099	4,174	5,497	6,220	47,651	4,918	4,033
California	17,097	20,403	21,311	26,558	235,787	29,483	26,091
Colorado	4,598	6,179	7,263	9,269	54,004	9,189	6,639
Connecticut	3,862	5,272	7,021	7,376	52,453	4,915	4,024
Delaware	934	1,113	1,658	2,003	11,731	1,234	1,117
District of Columbia	1,190	1,264	2,405	2,528	17,113	1,611	1,563
Florida	5,164	5,543	6,001	6,429	62,754	5,584	5,144
Georgia	3,237	4,427	7,996	10,458	53,712	5,192	4,701
Hawaii	162	157	155	159	1,908	167	148
Idaho	993	1,706	2,077	2,782	16,708	2,812	2,140
Illinois	15,803	21,382	30,584	35,945	215,218	24,423	18,019
Indiana	5,228	6,579	11,543	13,778	77,526	8,323	6,374
Iowa	3,493	4,879	7,054	8,822	49,269	6,378	4,268
Kansas	1,970	2,653	4,212	5,732	30,959	4,058	2,487
Kentucky	1,827	3,238	5,517	6,758	35,435	3,735	3,061
Louisiana	2,247	2,364	2,921	4,457	29,805	2,872	2,697
Maine	789	1,048	1,199	1,367	10,072	1,006	816
Maryland	5,411	6,392	9,509	11,422	70,199	6,638	5,903
Massachusetts	8,350	10,080	13,214	15,244	105,397	10,010	9,181
Michigan	14,623	18,781	24,800	26,396	168,360	17,807	13,062
Minnesota	7,387	10,400	14,300	16,822	93,004	12,435	8,304
Mississippi	1,032	1,453	2,237	3,179	19,697	1,800	1,741
Missouri	3,376	5,431	8,887	11,150	61,388	7,357	5,298
Montana	1,488	2,272	2,434	3,244	19,364	3,082	2,486
Nebraska	1,783	2,518	3,775	5,001	29,464	4,117	2,718
Nevada	2,390	2,766	3,365	4,348	29,873	4,045	3,114
New Hampshire	738	991	1,320	1,584	9,630	1,050	850
New Jersey	11,773	15,436	20,511	23,535	163,223	13,604	11,164
New Mexico	1,607	2,265	2,902	4,065	25,038	4,115	3,137
New York	23,655	29,003	40,326	47,157	311,203	28,986	24,516
North Carolina	3,791	4,335	8,013	10,316	55,114	4,403	5,334
North Dakota	1,044	1,211	1,659	2,153	12,317	1,799	1,208
Ohio	12,115	14,966	23,559	29,917	166,602	16,202	12,682
Oklahoma	2,215	3,442	5,075	7,439	41,977	5,631	3,757
Oregon	1,839	2,973	3,194	4,319	25,797	4,191	3,351
Pennsylvania	11,041	13,699	22,320	27,622	152,079	14,838	12,872
Rhode Island	988	1,261	1,767	2,006	12,016	1,132	1,030
South Carolina	1,885	1,881	3,039	3,910	23,494	1,873	2,099
South Dakota	826	1,061	1,405	1,931	10,434	1,546	1,114
Tennessee	2,983	4,369	7,608	10,226	53,041	5,191	4,634
Texas	13,184	14,740	19,038	23,837	177,594	19,098	13,847
Utah	2,773	3,970	5,319	6,883	35,772	6,958	4,785
Vermont	NA	516	714	899	5,918	583	554
Virginia	5,145	6,289	9,234	11,584	69,107	6,201	6,155
Washington	3,094	5,496	5,807	7,362	49,967	7,685	6,044
West Virginia	1,633	2,302	3,018	3,696	22,598	2,014	1,928
Wisconsin	7,133	9,172	13,078	15,118	90,175	10,348	7,772
Wyoming	1,043	1,403	1,539	1,941	12,937	2,395	1,637
Total	233,716	299,514	415,636	506,112	3,198,797	352,031	282,990

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015						
	October	September	August	July	June	May	April
Alabama	1,534	1,190	1,136	1,106	1,103	1,405	1,432
Alaska	1,393	1,202	717	662	574	1,147	1,548
Arizona	1,918	1,708	1,650	1,758	1,878	2,203	2,422
Arkansas	3,163	2,654	2,517	2,388	2,405	2,654	3,183
California	16,134	15,078	16,351	15,782	16,147	19,132	18,079
Colorado	2,795	1,647	1,409	1,522	1,954	3,510	3,872
Connecticut	3,080	2,515	2,451	2,321	2,239	2,611	4,444
Delaware	852	453	429	393	429	422	770
District of Columbia	1,230	798	770	712	821	725	1,010
Florida	4,936	4,382	4,589	4,671	4,863	4,762	5,286
Georgia	3,163	2,420	2,275	2,161	2,093	2,624	3,296
Hawaii	152	153	156	159	154	151	168
Idaho	1,102	718	603	627	685	850	1,235
Illinois	12,469	7,827	7,840	7,358	7,293	9,179	15,102
Indiana	4,687	2,765	2,171	2,356	2,308	2,725	5,093
Iowa	3,109	1,752	1,499	1,600	1,807	2,113	3,165
Kansas	2,132	1,610	1,796	1,428	1,076	1,439	1,588
Kentucky	1,788	1,208	1,205	1,192	1,125	1,202	1,739
Louisiana	2,213	2,141	1,839	1,745	1,840	2,037	2,001
Maine	597	435	428	417	407	389	833
Maryland	4,720	2,962	2,986	2,943	2,840	2,956	4,954
Massachusetts	7,315	3,981	3,877	3,892	4,042	4,417	7,679
Michigan	9,169	5,182	5,372	5,034	5,423	7,299	13,744
Minnesota	5,158	2,760	2,884	2,516	2,609	3,970	6,599
Mississippi	1,302	1,167	1,045	960	1,013	1,066	1,129
Missouri	3,331	2,112	2,161	1,881	1,840	2,368	4,330
Montana	1,149	682	577	590	579	981	1,394
Nebraska	1,616	964	1,044	1,264	1,281	1,460	1,957
Nevada	1,977	1,674	1,722	1,610	1,839	2,119	2,411
New Hampshire	389	240	233	229	274	308	673
New Jersey	8,406	7,123	7,173	7,475	6,556	7,304	15,286
New Mexico	1,608	1,053	1,068	980	1,240	1,356	1,488
New York	19,000	14,007	14,826	14,458	13,026	15,674	22,349
North Carolina	4,116	2,889	2,452	2,487	2,867	2,488	3,421
North Dakota	664	320	310	307	313	580	833
Ohio	9,078	4,465	4,716	4,679	5,217	6,476	12,865
Oklahoma	2,030	1,599	1,565	1,530	1,541	1,940	2,349
Oregon	1,510	1,184	923	942	981	1,551	2,209
Pennsylvania	9,859	5,196	4,641	4,390	5,154	5,766	10,552
Rhode Island	638	247	253	262	309	385	872
South Carolina	1,795	1,356	1,365	1,301	1,285	1,500	1,568
South Dakota	565	312	310	305	323	498	672
Tennessee	3,032	2,225	2,057	2,039	2,141	2,453	2,928
Texas	10,634	9,727	9,512	10,752	10,723	10,314	12,752
Utah	1,491	1,003	1,170	1,181	1,387	2,168	3,027
Vermont	520	334	316	340	323	204	370
Virginia	4,889	3,592	2,646	2,716	2,644	2,813	4,015
Washington	3,220	2,521	1,995	2,068	2,407	2,942	4,172
West Virginia	1,551	1,110	853	984	798	1,107	1,707
Wisconsin	4,983	2,866	2,963	2,781	2,840	3,791	6,601
Wyoming	604	503	298	422	461	919	986
Total	194,764	138,010	135,142	133,678	135,477	160,452	232,156

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015		
	March	February	January
Alabama	2,127	4,665	4,471
Alaska	2,268	1,992	2,473
Arizona	2,785	3,082	3,980
Arkansas	5,328	7,068	7,338
California	18,893	19,598	25,020
Colorado	5,458	7,069	8,940
Connecticut	7,321	8,272	8,259
Delaware	1,504	2,097	2,031
District of Columbia	2,184	2,648	3,043
Florida	5,629	6,332	6,575
Georgia	5,476	10,128	10,181
Hawaii	165	157	179
Idaho	1,477	1,770	2,687
Illinois	27,346	39,507	38,856
Indiana	9,951	15,388	15,385
Iowa	5,812	9,123	8,643
Kansas	3,180	4,868	5,296
Kentucky	4,345	7,562	7,275
Louisiana	2,514	3,680	4,226
Maine	1,405	1,665	1,676
Maryland	9,783	11,814	11,699
Massachusetts	14,537	18,252	18,214
Michigan	23,965	31,717	30,587
Minnesota	11,399	17,900	16,471
Mississippi	2,144	3,003	3,327
Missouri	8,620	11,594	10,496
Montana	2,045	2,568	3,229
Nebraska	3,127	4,904	5,012
Nevada	2,642	2,902	3,817
New Hampshire	1,455	1,955	1,975
New Jersey	22,572	28,279	28,280
New Mexico	2,093	3,063	3,836
New York	41,823	50,725	51,813
North Carolina	5,408	10,110	9,139
North Dakota	1,491	2,229	2,264
Ohio	24,200	33,326	32,696
Oklahoma	4,767	7,445	7,823
Oregon	2,391	2,791	3,774
Pennsylvania	21,189	29,766	27,856
Rhode Island	1,949	2,477	2,463
South Carolina	2,129	3,650	3,572
South Dakota	1,103	1,771	1,916
Tennessee	5,637	10,805	9,900
Texas	20,618	21,963	27,654
Utah	3,004	3,979	5,620
Vermont	675	810	889
Virginia	8,607	12,727	12,102
Washington	4,779	5,305	6,829
West Virginia	3,122	3,798	3,624
Wisconsin	11,827	16,777	16,627
Wyoming	1,196	1,603	1,913
Total	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 2-Month YTD	2016 2-Month YTD	2015 2-Month YTD	2017		2016	
				February	January	Total	December
Alabama	32,684	34,877	34,175	15,193	17,491	189,066	16,700
Alaska	545	722	947	259	286	4,268	466
Arizona	3,871	3,824	3,811	1,793	2,078	19,762	1,914
Arkansas	15,169	15,006	16,549	7,110	8,059	81,066	7,842
California	120,601	122,819	123,828	56,613	63,988	772,366	66,309
Colorado	17,599	16,944	17,047	7,647	9,951	81,068	9,511
Connecticut	4,853	5,384	5,705	2,213	2,640	24,743	2,724
Delaware	5,545	5,338	5,474	2,657	2,888	NA	2,777
District of Columbia	0	0	0	0	0	0	0
Florida	NA	18,083	17,221	NA	9,817	103,528	9,128
Georgia	26,194	28,237	27,995	12,526	13,668	152,916	13,563
Hawaii	89	90	66	42	48	542	42
Idaho	7,177	6,982	5,165	3,276	3,901	34,782	3,790
Illinois	49,548	53,625	56,996	22,641	26,907	NA	27,278
Indiana	67,993	70,823	75,223	31,544	36,448	370,734	37,397
Iowa	37,739	32,696	33,946	18,125	19,614	187,987	20,033
Kansas	NA	20,799	21,226	NA	11,346	114,795	11,764
Kentucky	21,389	22,947	23,336	9,904	11,485	115,334	11,102
Louisiana	NA	171,168	158,605	82,009	NA	1,039,701	93,159
Maine	3,243	NA	4,044	1,534	1,709	NA	1,460
Maryland	2,777	2,750	2,938	1,280	1,497	NA	NA
Massachusetts	10,525	10,665	12,018	4,995	5,531	44,896	5,115
Michigan	35,623	37,358	40,044	16,457	19,166	173,140	18,529
Minnesota	31,027	32,562	32,192	14,655	16,372	161,967	15,909
Mississippi	21,626	20,908	21,324	10,396	11,231	116,053	10,723
Missouri	NA	14,091	14,234	NA	NA	NA	6,789
Montana	3,540	4,054	3,901	1,620	1,920	NA	1,927
Nebraska	15,335	13,309	15,645	7,608	7,728	87,938	8,105
Nevada	3,339	3,057	3,001	1,519	1,820	NA	NA
New Hampshire	1,545	NA	1,635	782	763	NA	728
New Jersey	NA	11,223	11,898	NA	5,436	63,578	5,587
New Mexico	2,790	3,001	3,098	1,243	1,547	16,165	1,529
New York	16,209	16,519	18,805	7,634	8,576	81,684	8,814
North Carolina	18,324	20,584	19,785	8,674	9,650	105,636	9,641
North Dakota	5,376	5,037	5,423	2,402	2,973	31,340	2,625
Ohio	55,352	57,390	62,102	26,065	29,288	277,927	27,932
Oklahoma	33,512	33,218	33,113	15,546	17,966	192,349	17,580
Oregon	10,965	10,366	9,983	5,101	5,863	56,596	5,560
Pennsylvania	39,671	41,047	47,443	18,755	20,916	209,336	20,384
Rhode Island	NA	1,529	1,554	NA	806	8,474	734
South Carolina	15,197	15,006	13,650	7,162	8,036	87,105	7,864
South Dakota	8,310	8,048	7,991	4,066	4,244	44,559	4,107
Tennessee	24,120	23,315	23,021	11,608	12,512	122,540	12,126
Texas	NA	278,010	264,472	131,076	NA	NA	156,777
Utah	7,589	7,171	7,069	3,810	3,779	38,568	3,460
Vermont	417	424	392	196	222	2,172	217
Virginia	14,720	15,819	14,355	6,980	7,740	NA	7,677
Washington	14,981	14,750	13,508	6,836	8,145	79,274	7,906
West Virginia	6,416	5,522	5,285	3,013	3,403	33,710	3,519
Wisconsin	30,321	30,188	31,287	13,681	16,639	143,209	15,836
Wyoming	9,142	9,108	8,203	4,333	4,809	NA	4,868
Total	1,367,345	1,381,143	1,380,729	640,297	727,047	7,723,634	732,994

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016						
	November	October	September	August	July	June	May
Alabama	15,247	14,849	13,993	14,623	14,695	15,147	16,613
Alaska	493	538	436	261	307	363	261
Arizona	1,647	1,664	1,576	1,384	1,335	1,542	1,591
Arkansas	6,981	6,497	6,313	6,469	6,029	6,028	6,420
California	62,744	63,617	68,647	72,567	66,296	62,499	63,054
Colorado	7,271	6,154	5,217	5,298	5,168	5,034	6,193
Connecticut	2,256	1,779	1,695	1,766	1,718	1,633	1,747
Delaware	NA	2,742	2,659	2,573	2,690	2,335	2,643
District of Columbia	0	0	0	0	0	0	0
Florida	8,608	8,357	8,142	8,409	8,293	7,650	8,617
Georgia	12,720	12,805	11,364	11,760	11,890	11,941	12,721
Hawaii	41	43	44	56	54	41	47
Idaho	3,173	3,119	2,661	2,253	2,525	2,137	2,463
Illinois	22,336	20,481	18,672	17,648	NA	NA	18,796
Indiana	28,273	24,643	27,073	27,950	29,030	29,040	31,227
Iowa	18,342	16,267	14,106	14,383	14,264	14,033	14,229
Kansas	R9,145	R8,448	R7,741	R11,262	R10,236	R8,637	R8,540
Kentucky	10,040	9,012	8,211	8,590	8,181	8,249	9,181
Louisiana	87,364	84,902	83,892	86,726	87,948	84,591	87,285
Maine	1,350	1,634	1,522	1,530	1,511	NA	NA
Maryland	1,124	1,256	978	1,183	1,196	1,042	1,179
Massachusetts	4,138	3,271	2,450	2,376	2,431	2,790	3,111
Michigan	14,628	13,284	12,206	11,525	10,796	11,431	12,111
Minnesota	R13,695	R11,955	10,822	R12,027	R12,140	R11,660	R12,443
Mississippi	9,927	8,328	8,686	9,565	9,583	9,833	9,766
Missouri	R5,300	NA	R4,666	R4,336	R4,489	R4,421	R4,993
Montana	2,209	NA	NA	NA	NA	NA	1,723
Nebraska	8,026	7,797	7,380	8,856	8,163	6,885	6,557
Nevada	1,523	1,635	NA	NA	NA	1,433	1,483
New Hampshire	685	616	586	551	558	NA	NA
New Jersey	4,674	5,614	5,377	5,733	6,005	5,472	4,533
New Mexico	1,398	1,325	1,237	1,214	1,257	1,225	1,302
New York	7,179	6,491	5,650	5,897	5,510	5,441	5,215
North Carolina	8,950	8,636	7,710	8,381	7,751	7,678	8,450
North Dakota	3,068	3,185	2,853	2,040	2,197	2,773	2,800
Ohio	23,646	21,566	19,514	19,074	19,309	19,851	21,570
Oklahoma	15,453	14,985	13,805	15,640	15,809	15,702	17,335
Oregon	4,706	4,846	4,368	4,279	4,198	4,216	4,518
Pennsylvania	19,228	17,129	14,675	16,036	14,622	14,377	15,523
Rhode Island	677	694	742	662	605	652	691
South Carolina	7,759	7,074	6,780	6,820	6,691	6,927	7,360
South Dakota	3,952	3,564	3,535	3,660	3,400	3,385	3,479
Tennessee	10,505	9,963	9,315	9,598	9,264	9,467	9,340
Texas	142,307	139,331	139,062	NA	NA	130,406	130,670
Utah	3,201	3,130	2,995	2,735	2,822	3,036	3,073
Vermont	199	185	153	140	140	151	167
Virginia	7,555	NA	7,536	7,461	7,398	7,196	7,382
Washington	6,688	7,137	6,413	5,965	6,014	5,732	5,760
West Virginia	3,406	3,159	2,847	2,706	2,832	2,530	2,205
Wisconsin	12,337	11,267	9,824	9,963	9,224	9,691	10,100
Wyoming	4,850	4,478	3,975	4,136	4,064	4,262	4,595
Total	R653,599	R622,354	R603,528	R626,962	R616,185	R590,521	R613,217

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		
	April	March	February	January	Total	December	November
Alabama	15,753	16,568	16,396	18,481	186,954	15,730	15,157
Alaska	183	237	243	479	4,864	422	381
Arizona	1,577	1,709	1,793	2,031	20,402	2,029	1,882
Arkansas	6,512	6,968	7,081	7,925	85,287	7,301	7,201
California	61,348	62,467	58,716	64,102	777,104	66,909	63,511
Colorado	6,680	7,599	7,760	9,184	78,694	8,998	7,697
Connecticut	1,958	2,083	2,566	2,817	25,612	2,194	2,010
Delaware	2,464	2,666	2,517	2,821	33,126	3,040	2,682
District of Columbia	0	0	0	0	0	0	0
Florida	9,093	9,148	8,667	9,416	96,124	8,855	7,706
Georgia	12,435	13,481	13,859	14,377	157,936	13,423	13,324
Hawaii	42	41	44	47	442	36	36
Idaho	2,494	3,186	3,335	3,647	31,664	3,399	3,311
Illinois	20,311	23,292	25,696	27,930	265,900	24,502	23,724
Indiana	31,464	33,813	34,110	36,713	372,537	33,407	29,891
Iowa	13,908	15,725	15,766	16,930	178,772	15,802	15,136
Kansas	8,657	9,567	9,884	10,916	111,016	11,367	9,144
Kentucky	9,458	10,363	10,922	12,025	115,956	9,951	9,766
Louisiana	85,108	87,558	81,450	89,718	948,918	85,177	81,583
Maine	NA	NA	NA	NA	20,972	1,526	1,510
Maryland	1,239	1,519	1,428	1,322	14,765	1,312	1,277
Massachusetts	4,072	4,478	5,187	5,478	44,554	4,043	4,042
Michigan	14,685	16,587	18,218	19,140	171,196	15,555	14,100
Minnesota	13,275	15,479	15,288	17,274	157,400	15,545	13,674
Mississippi	9,641	9,093	10,101	10,807	121,866	10,513	10,323
Missouri	4,977	5,597	7,176	6,914	65,691	6,158	5,560
Montana	NA	NA	1,918	2,136	21,152	2,102	1,939
Nebraska	6,363	6,496	6,311	6,998	85,604	7,161	7,848
Nevada	1,518	1,562	1,448	1,609	17,724	1,467	1,507
New Hampshire	NA	NA	NA	826	8,386	743	709
New Jersey	5,007	4,351	4,929	6,294	55,368	4,211	4,575
New Mexico	1,234	1,443	1,454	1,547	17,937	1,571	1,613
New York	7,067	7,901	8,332	8,187	83,055	6,684	6,657
North Carolina	8,646	9,211	10,069	10,515	105,103	9,050	8,912
North Dakota	2,094	2,668	2,278	2,759	31,660	2,377	2,951
Ohio	23,038	25,038	27,438	29,952	276,004	23,373	22,474
Oklahoma	16,366	16,456	15,430	17,788	184,627	17,940	17,208
Oregon	4,545	4,996	4,859	5,506	54,931	5,261	4,834
Pennsylvania	17,350	18,968	20,231	20,816	241,287	20,844	19,346
Rhode Island	728	760	799	730	8,624	742	669
South Carolina	7,376	7,449	7,198	7,808	84,405	7,892	7,360
South Dakota	3,644	3,785	3,932	4,116	44,094	3,872	3,815
Tennessee	9,521	10,126	11,145	12,169	114,673	9,842	9,275
Texas	128,883	139,966	133,542	144,468	1,599,279	144,705	137,006
Utah	3,569	3,376	3,600	3,571	37,189	3,568	3,083
Vermont	192	204	204	220	2,040	188	178
Virginia	7,181	7,482	7,185	8,633	86,817	7,186	7,338
Washington	6,305	6,605	6,792	7,958	76,600	7,527	6,991
West Virginia	2,306	2,677	2,718	2,804	25,901	2,430	2,061
Wisconsin	11,833	12,944	14,219	15,970	136,709	12,901	12,329
Wyoming	NA	NA	4,438	4,671	47,667	4,626	4,196
Total	620,305	662,825	660,978	720,165	7,534,589	675,456	639,499

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015						
	October	September	August	July	June	May	April
Alabama	15,350	14,954	15,369	15,841	14,675	15,522	14,200
Alaska	369	345	402	390	376	397	395
Arizona	1,604	1,446	1,487	1,498	1,512	1,644	1,659
Arkansas	6,903	6,342	6,455	6,434	6,380	6,771	7,029
California	64,415	65,899	71,454	69,807	62,545	63,541	63,109
Colorado	5,866	4,823	5,029	5,033	4,904	6,015	6,100
Connecticut	1,883	1,712	1,804	1,736	1,733	1,816	2,082
Delaware	2,590	2,448	2,636	2,668	2,560	2,819	3,037
District of Columbia	0	0	0	0	0	0	0
Florida	7,928	7,320	7,298	7,605	7,572	8,064	7,994
Georgia	13,742	12,274	12,720	13,006	12,710	13,089	12,115
Hawaii	43	37	41	38	44	31	32
Idaho	3,028	2,561	2,412	2,091	2,359	2,598	2,322
Illinois	20,369	18,722	18,717	19,614	18,206	19,770	20,616
Indiana	28,801	26,669	28,121	28,246	27,518	29,593	29,054
Iowa	15,213	13,428	13,991	13,797	13,627	14,433	13,906
Kansas	8,368	7,999	9,938	10,113	8,377	7,763	8,285
Kentucky	8,847	8,471	8,798	8,438	8,571	8,729	9,650
Louisiana	79,536	77,834	80,573	77,087	75,647	79,939	76,095
Maine	1,670	1,590	1,555	1,591	1,629	1,718	1,953
Maryland	1,252	1,140	927	1,123	1,168	1,141	1,135
Massachusetts	3,051	2,574	2,215	2,265	2,169	2,808	4,049
Michigan	13,319	11,478	11,210	11,139	10,687	11,570	14,382
Minnesota	13,346	11,362	10,324	10,333	10,718	11,132	13,355
Mississippi	11,293	9,900	9,648	9,720	9,896	9,645	9,620
Missouri	4,912	4,551	4,399	4,742	4,629	4,657	5,116
Montana	1,812	1,654	1,901	1,391	1,500	1,613	1,612
Nebraska	7,320	6,508	7,106	7,738	6,459	6,797	6,626
Nevada	1,463	1,470	1,463	1,425	1,386	1,438	1,558
New Hampshire	619	605	566	606	611	598	764
New Jersey	4,156	4,079	4,039	4,218	4,134	4,154	4,589
New Mexico	1,476	1,345	1,434	1,379	1,230	1,550	1,597
New York	6,256	5,594	5,803	5,278	5,363	5,775	7,332
North Carolina	9,045	7,975	8,155	7,855	7,794	8,132	8,546
North Dakota	2,948	2,706	2,519	1,999	2,452	2,835	2,510
Ohio	20,128	18,521	19,080	19,463	19,413	20,431	22,803
Oklahoma	15,900	14,979	13,433	12,256	12,777	15,918	15,178
Oregon	4,377	4,087	4,163	4,014	4,194	4,411	4,784
Pennsylvania	19,056	17,342	17,482	18,103	18,132	19,273	20,078
Rhode Island	675	686	673	650	666	701	848
South Carolina	7,255	6,632	6,762	6,658	6,661	6,852	7,080
South Dakota	3,422	3,438	3,534	3,499	3,571	3,524	3,706
Tennessee	9,189	8,715	8,767	8,573	8,800	8,581	9,194
Texas	131,492	127,538	135,406	133,141	129,478	134,316	129,221
Utah	2,933	2,724	2,755	2,744	2,994	3,073	3,092
Vermont	188	150	153	156	137	134	158
Virginia	7,260	6,752	7,360	7,286	7,320	7,646	7,711
Washington	6,754	6,029	5,638	5,375	5,703	6,000	6,193
West Virginia	1,893	1,717	1,877	1,787	1,948	1,905	2,282
Wisconsin	10,777	9,133	9,153	8,853	8,839	9,392	10,427
Wyoming	3,906	3,644	3,765	3,826	3,817	3,673	3,919
Total	613,999	579,903	600,508	592,628	575,588	603,928	609,100

See footnotes at end of table.

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

State	2015		
	March	February	January
Alabama	15,980	16,318	17,857
Alaska	439	450	497
Arizona	1,831	1,695	2,115
Arkansas	7,921	8,062	8,486
California	62,086	57,365	66,464
Colorado	7,182	8,094	8,953
Connecticut	2,936	2,728	2,978
Delaware	3,171	2,494	2,980
District of Columbia	0	0	0
Florida	8,562	8,416	8,804
Georgia	13,537	13,192	14,803
Hawaii	37	28	38
Idaho ^a	2,419	2,558	2,607
Illinois	24,665	27,785	29,210
Indiana	36,014	37,319	37,904
Iowa	15,493	16,578	17,368
Kansas	8,435	10,152	11,073
Kentucky	11,399	11,377	11,960
Louisiana	76,843	74,907	83,698
Maine	2,186	1,843	2,201
Maryland	1,351	1,353	1,584
Massachusetts	5,321	6,187	5,830
Michigan	17,712	19,139	20,906
Minnesota	15,419	15,370	16,822
Mississippi	9,986	10,330	10,994
Missouri	6,733	7,055	7,179
Montana	1,729	1,796	2,105
Nebraska	6,395	7,715	7,930
Nevada	1,546	1,376	1,625
New Hampshire	930	812	823
New Jersey	5,316	5,557	6,341
New Mexico	1,643	1,523	1,575
New York	9,508	9,426	9,378
North Carolina	9,856	9,375	10,411
North Dakota	2,940	2,687	2,736
Ohio	28,217	30,802	31,300
Oklahoma	15,925	15,213	17,901
Oregon	4,824	4,648	5,335
Pennsylvania	24,188	23,656	23,787
Rhode Island	760	826	728
South Carolina	7,602	6,083	7,567
South Dakota	3,722	3,967	4,025
Tennessee	10,716	11,509	11,512
Texas	132,504	124,812	139,660
Utah	3,152	3,483	3,586
Vermont	207	176	217
Virginia	6,605	6,805	7,550
Washington	6,880	6,255	7,253
West Virginia	2,716	2,713	2,572
Wisconsin	13,617	15,341	15,947
Wyoming	4,092	3,733	4,470
Total	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	2016	2015	2017		2016
	2-Month YTD	2-Month YTD	2-Month YTD	February	January	Total
Alabama	48,466	63,165	67,116	22,970	Ⓜ25,496	415,162
Alaska	3,020	3,890	5,312	976	2,044	22,236
Arizona	14,805	27,821	20,000	5,346	9,459	255,593
Arkansas	10,085	14,562	22,107	6,362	Ⓜ3,723	136,368
California	87,706	107,557	108,496	36,916	Ⓜ50,791	671,152
Colorado	13,930	14,089	11,979	5,661	8,269	95,419
Connecticut	18,652	20,205	18,301	8,279	10,373	122,240
Delaware	4,015	4,585	4,631	2,097	1,919	53,926
District of Columbia	--	--	--	--	--	--
Florida	146,925	166,229	155,675	71,285	Ⓜ75,640	1,180,649
Georgia	55,590	54,235	55,211	27,229	Ⓜ28,361	379,202
Hawaii	--	--	--	--	--	--
Idaho	3,945	5,285	2,710	1,536	2,410	23,971
Illinois	12,024	17,167	11,572	6,213	5,811	146,175
Indiana	20,948	25,203	24,656	9,760	11,188	158,414
Iowa	2,439	3,124	2,663	906	1,533	20,233
Kansas	1,492	1,177	1,430	600	891	20,324
Kentucky	4,326	9,225	7,841	1,869	2,457	66,907
Louisiana	32,218	52,701	44,178	16,448	Ⓜ15,770	330,642
Maine	W	4,348	3,165	W	W	22,408
Maryland	4,800	3,587	2,502	2,716	2,084	49,059
Massachusetts	26,734	19,451	13,858	12,824	13,910	160,044
Michigan	26,834	33,277	28,888	11,625	15,208	243,612
Minnesota	8,035	10,616	5,915	3,078	Ⓜ4,957	65,606
Mississippi	42,867	60,491	57,062	18,076	Ⓜ24,792	367,456
Missouri	4,614	4,926	5,707	2,085	Ⓜ2,529	Ⓜ51,135
Montana	721	1,214	W	302	418	7,306
Nebraska	W	188	W	W	W	6,358
Nevada	29,348	32,564	26,034	13,168	16,181	209,610
New Hampshire	1,997	3,341	5,859	893	1,104	33,841
New Jersey	31,035	44,789	38,187	14,037	16,998	327,628
New Mexico	11,418	12,646	12,142	4,969	Ⓜ6,449	82,929
New York	59,581	64,366	64,824	27,617	31,964	477,867
North Carolina	43,769	48,133	42,067	21,817	Ⓜ21,952	293,669
North Dakota	1,175	1,455	W	504	671	9,347
Ohio	28,531	38,980	39,055	13,768	14,763	211,732
Oklahoma	24,144	37,574	41,402	10,375	Ⓜ13,769	274,388
Oregon	17,475	19,669	11,751	6,185	11,290	107,069
Pennsylvania	63,420	68,668	58,758	30,087	33,332	500,656
Rhode Island	6,207	4,972	3,872	2,964	3,244	46,974
South Carolina	16,448	17,530	14,267	8,753	Ⓜ7,695	133,130
South Dakota	873	1,025	1,012	321	552	7,574
Tennessee	9,696	12,680	11,667	4,911	4,785	87,680
Texas	165,574	227,512	244,101	77,504	Ⓜ88,069	1,538,663
Utah	7,472	8,885	7,437	2,636	4,836	58,008
Vermont	2	*	7	1	2	14
Virginia	46,004	45,871	35,314	22,805	Ⓜ23,199	292,826
Washington	14,755	17,113	7,254	5,229	9,526	85,403
West Virginia	W	434	696	W	W	10,311
Wisconsin	12,304	20,559	16,447	5,385	6,919	120,764
Wyoming	W	W	W	W	114	1,844
Total	1,189,389	1,457,297	1,364,821	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						
	November	October	September	August	July	June	May
Alabama	30,500	31,962	40,587	43,505	44,566	39,282	33,335
Alaska	1,763	1,732	1,952	2,200	2,044	1,756	1,755
Arizona	12,145	20,806	28,593	36,059	36,512	31,063	20,260
Arkansas	10,868	9,109	9,207	16,405	16,341	17,250	12,184
California	51,615	62,951	64,501	79,709	73,374	63,255	40,618
Colorado	5,669	5,848	6,793	10,126	11,675	10,289	7,741
Connecticut	9,797	9,514	9,817	12,137	11,476	9,275	10,263
Delaware	3,572	5,346	5,237	7,089	7,425	6,001	3,953
District of Columbia	--	--	--	--	--	--	--
Florida	76,861	96,936	108,803	120,587	122,353	114,263	106,961
Georgia	23,972	26,061	31,785	41,363	43,098	39,628	33,268
Hawaii	--	--	--	--	--	--	--
Idaho	834	1,366	2,671	3,698	2,549	2,006	1,407
Illinois	8,308	11,710	12,872	20,063	23,039	13,253	9,676
Indiana	13,587	11,299	11,936	16,077	15,793	13,958	13,693
Iowa	575	942	1,249	3,628	3,162	2,131	2,456
Kansas	1,262	1,356	2,735	2,847	3,163	3,117	1,685
Kentucky	4,211	4,730	5,454	7,597	8,026	6,732	4,992
Louisiana	19,777	22,889	28,503	31,968	38,721	33,611	30,795
Maine	1,122	1,770	1,834	3,562	3,252	1,770	1,920
Maryland	570	3,308	5,414	10,307	9,671	3,730	3,879
Massachusetts	8,180	9,495	14,211	21,417	21,351	17,569	15,482
Michigan	16,947	16,857	17,992	31,130	26,034	21,500	22,478
Minnesota	3,268	3,282	3,332	10,302	8,556	6,111	6,207
Mississippi	21,372	27,273	36,326	37,854	39,659	36,139	31,831
Missouri	2,189	3,153	4,845	6,815	7,273	6,992	4,019
Montana	W	W	618	1,051	885	670	W
Nebraska	674	469	291	1,119	1,100	1,389	318
Nevada	15,667	15,257	17,112	21,887	22,567	21,319	17,106
New Hampshire	3,078	2,362	3,909	4,582	4,147	2,854	3,009
New Jersey	19,960	27,481	30,078	41,217	39,592	30,423	24,014
New Mexico	5,270	7,211	7,250	8,608	9,227	7,704	6,387
New York	28,853	32,503	45,082	64,329	59,588	44,619	39,743
North Carolina	23,813	18,622	24,204	30,092	29,132	23,889	21,936
North Dakota	607	691	828	1,315	1,155	898	688
Ohio	15,568	14,289	18,191	23,086	22,704	17,398	11,353
Oklahoma	20,889	18,559	25,575	29,527	33,632	31,430	22,843
Oregon	7,788	7,767	13,139	14,263	10,464	7,950	3,346
Pennsylvania	38,967	39,512	47,277	57,598	57,177	47,121	35,691
Rhode Island	2,903	2,968	4,439	5,686	5,963	4,761	5,004
South Carolina	13,620	10,992	13,848	14,771	15,788	12,229	10,143
South Dakota	512	473	556	1,139	1,031	745	605
Tennessee	3,688	6,423	8,879	10,415	10,109	9,257	6,235
Texas	96,452	111,658	144,557	174,935	171,002	151,685	132,544
Utah	3,313	4,019	4,423	6,023	6,322	6,069	5,071
Vermont	2	2	3	3	1	--	2
Virginia	20,785	18,007	27,967	38,099	36,703	29,100	21,704
Washington	4,674	5,017	10,717	12,266	9,735	6,145	5,028
West Virginia	386	1,662	1,150	686	680	1,309	1,666
Wisconsin	6,628	5,218	8,027	15,103	14,065	11,524	9,688
Wyoming	W	W	W	W	W	W	W
Total	663,538	741,360	914,908	1,154,593	1,142,161	971,342	805,702

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		
	April	March	February	January	Total	December	November
Alabama	26,636	30,764	29,216	33,949	397,961	33,249	31,034
Alaska	1,645	1,745	1,810	2,080	27,722	2,336	2,164
Arizona	18,623	14,134	12,550	15,271	249,477	17,515	17,672
Arkansas	10,509	12,760	5,899	8,663	108,755	6,754	5,434
California	37,567	37,493	47,121	60,436	816,787	63,111	59,484
Colorado	8,614	7,331	6,294	7,795	92,757	8,346	9,658
Connecticut	11,348	8,938	9,698	10,507	119,305	11,119	9,814
Delaware	4,602	3,856	2,385	2,200	44,725	2,190	2,330
District of Columbia	--	--	--	--	--	--	--
Florida	100,187	90,908	79,470	86,759	1,160,140	89,587	91,782
Georgia	30,528	29,405	25,637	28,597	354,090	25,887	27,527
Hawaii	--	--	--	--	--	--	--
Idaho	628	1,760	2,412	2,873	27,790	2,840	2,240
Illinois	9,615	12,110	8,898	8,269	83,570	7,753	7,008
Indiana	9,428	13,879	11,811	13,392	127,365	13,305	11,439
Iowa	801	1,453	1,485	1,639	17,518	1,623	530
Kansas	1,104	947	510	667	16,614	804	W
Kentucky	4,493	6,026	3,711	5,514	52,015	3,312	5,312
Louisiana	25,600	27,286	24,777	27,924	342,742	31,279	29,353
Maine	1,409	607	1,896	2,451	17,447	1,427	1,813
Maryland	3,569	4,203	2,295	1,292	39,632	2,457	3,188
Massachusetts	11,546	10,627	9,811	9,641	156,492	9,618	8,375
Michigan	23,125	18,916	16,885	16,392	174,770	16,664	14,519
Minnesota	5,853	5,173	5,230	5,386	54,054	5,725	3,113
Mississippi	22,528	26,509	29,688	30,803	331,496	25,574	25,741
Missouri	R4,780	2,543	2,547	2,379	40,109	2,899	2,409
Montana	W	553	578	636	7,847	777	666
Nebraska	463	150	101	87	4,634	137	160
Nevada	14,939	15,241	14,624	17,941	207,145	18,135	15,282
New Hampshire	3,609	749	1,145	2,196	42,673	2,706	3,795
New Jersey	23,970	24,419	21,012	23,777	290,843	23,354	24,504
New Mexico	6,358	6,092	5,806	6,840	77,947	6,933	5,581
New York	R33,273	32,185	30,295	34,071	475,658	31,355	33,652
North Carolina	23,986	28,153	24,825	23,308	268,925	22,474	22,200
North Dakota	W	664	726	729	3,671	W	W
Ohio	R16,437	18,110	19,207	19,773	210,460	17,199	15,918
Oklahoma	20,250	17,666	16,020	21,555	254,706	23,024	20,482
Oregon	3,089	7,255	9,330	10,340	113,988	11,609	11,382
Pennsylvania	33,444	36,647	33,433	35,235	439,248	35,621	36,071
Rhode Island	2,937	4,496	2,530	2,442	50,110	3,081	4,334
South Carolina	6,915	9,925	7,877	9,654	135,239	11,601	13,955
South Dakota	687	528	570	455	7,083	656	521
Tennessee	5,147	6,915	6,325	6,355	69,830	6,156	5,458
Texas	117,577	119,869	105,021	122,491	1,646,330	123,103	110,207
Utah	5,259	4,411	4,107	4,778	55,797	5,002	4,575
Vermont	*	1	--	*	19	1	1
Virginia	13,489	20,289	22,753	23,118	243,116	22,839	16,558
Washington	2,787	4,468	7,351	9,761	97,300	9,481	10,383
West Virginia	1,100	1,074	226	208	13,277	522	765
Wisconsin	9,693	13,267	10,324	10,235	101,211	9,879	7,700
Wyoming	W	W	W	W	706	W	W
Total	R721,262	742,605	686,335	770,962	9,671,095	771,355	737,310

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						
	October	September	August	July	June	May	April
Alabama	31,534	33,356	37,742	39,373	36,860	32,480	24,780
Alaska	2,096	1,863	2,116	2,365	2,311	1,781	2,907
Arizona	24,561	31,091	38,244	33,842	30,537	13,238	13,368
Arkansas	4,130	8,552	12,523	12,805	9,865	7,343	8,745
California	84,917	89,295	91,733	86,319	74,951	51,799	52,877
Colorado	8,172	9,582	10,114	9,620	8,089	5,015	5,970
Connecticut	10,291	10,504	12,188	11,619	9,406	8,748	8,839
Delaware	3,068	4,903	5,119	5,710	4,509	4,886	5,269
District of Columbia	--	--	--	--	--	--	--
Florida	100,028	105,993	113,372	111,305	105,902	101,485	98,620
Georgia	29,598	30,621	35,927	39,940	33,576	27,974	22,117
Hawaii	--	--	--	--	--	--	--
Idaho	2,500	2,930	3,645	3,230	3,481	2,082	1,276
Illinois	6,560	8,788	7,957	11,120	7,075	4,727	5,221
Indiana	8,711	7,942	10,138	10,486	9,343	9,238	9,110
Iowa	918	1,750	2,364	3,063	1,746	875	728
Kansas	W	1,662	2,353	3,425	1,970	1,189	1,027
Kentucky	6,074	4,867	4,798	6,310	3,656	3,415	3,307
Louisiana	29,252	27,504	33,927	36,977	33,989	27,800	24,960
Maine	2,483	1,538	1,839	1,132	573	745	947
Maryland	2,959	4,162	4,947	6,571	4,315	4,383	2,652
Massachusetts	13,391	16,586	23,001	22,583	14,822	15,056	11,249
Michigan	15,441	14,817	14,732	17,544	14,362	12,526	10,626
Minnesota	3,400	6,416	6,314	7,274	4,664	2,150	4,395
Mississippi	23,923	26,810	32,206	34,848	32,210	26,239	20,086
Missouri	1,850	3,641	5,682	6,523	4,316	1,856	2,444
Montana	714	770	803	918	705	482	498
Nebraska	W	505	890	1,257	686	201	242
Nevada	18,088	20,109	22,904	20,722	21,244	15,320	15,970
New Hampshire	3,375	3,922	4,622	4,211	3,618	3,865	3,308
New Jersey	24,677	29,675	29,355	30,618	24,861	24,474	18,160
New Mexico	6,330	6,895	8,798	8,114	6,787	4,441	5,744
New York	39,937	49,022	54,763	54,290	40,290	38,846	29,269
North Carolina	19,195	23,579	24,881	25,946	26,406	23,825	19,201
North Dakota	W	433	492	497	W	W	W
Ohio	13,838	17,928	19,618	20,417	18,226	15,180	13,132
Oklahoma	16,289	20,143	27,950	30,396	22,126	17,107	16,903
Oregon	10,746	11,754	11,616	12,013	10,573	8,295	8,202
Pennsylvania	38,145	39,738	47,480	47,934	38,101	31,222	31,691
Rhode Island	3,864	3,507	7,037	6,902	6,135	5,728	2,475
South Carolina	12,777	11,768	13,664	14,943	14,514	9,903	9,540
South Dakota	396	519	943	1,216	769	572	332
Tennessee	4,574	6,133	6,002	7,594	7,026	6,508	4,485
Texas	131,222	151,139	185,654	181,401	147,288	124,315	118,966
Utah	4,387	5,171	6,238	5,768	5,443	4,572	3,905
Vermont	*	1	*	*	1	6	*
Virginia	11,752	22,109	26,163	29,071	26,215	22,115	12,719
Washington	11,239	10,914	10,802	12,265	9,569	6,016	4,616
West Virginia	1,541	1,742	1,873	2,142	1,614	1,213	806
Wisconsin	7,455	9,104	8,982	11,015	8,205	7,133	6,523
Wyoming	W	W	W	W	W	W	W
Total	797,631	901,839	1,034,595	1,053,747	893,343	738,628	668,471

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

^R Revised data.

-- 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 2-Month YTD	2016 2-Month YTD	2015 2-Month YTD	2017		2016	
				February	January	Total	December
Alabama	94,618	118,767	127,115	43,619	¥51,000	657,303	55,914
Alaska	13,874	12,903	15,681	5,812	8,062	60,244	7,467
Arizona	NA	54,252	42,976	NA	22,454	343,385	20,288
Arkansas	44,601	51,875	68,841	21,156	23,446	288,870	26,948
California	NA	394,102	380,826	170,805	NA	2,106,564	215,161
Colorado	85,391	87,350	83,133	34,511	50,880	353,314	48,034
Connecticut	53,626	56,526	60,855	24,268	29,358	246,701	27,640
Delaware	16,251	17,547	19,432	7,634	8,616	NA	8,753
District of Columbia	NA	9,924	11,888	NA	NA	27,910	4,226
Florida	NA	201,959	190,758	NA	¥93,529	¥1,361,318	¥93,114
Georgia	125,155	147,472	156,645	57,526	¥67,628	702,401	66,916
Hawaii	548	506	515	258	291	3,043	263
Idaho	27,228	24,860	19,406	11,052	16,176	100,808	14,611
Illinois	241,100	278,303	315,098	100,895	140,205	NA	146,835
Indiana	148,889	169,594	189,619	65,027	83,862	¥729,265	90,885
Iowa	74,575	74,960	81,016	33,642	40,932	317,537	41,599
Kansas	NA	54,090	56,823	NA	29,234	NA	¥30,489
Kentucky	48,918	64,003	69,610	21,245	27,673	262,674	32,047
Louisiana	NA	244,374	226,475	104,051	NA	1,434,219	120,640
Maine	6,626	NA	11,604	3,125	3,500	NA	4,031
Maryland	NA	57,900	66,656	22,861	NA	NA	NA
Massachusetts	100,686	97,412	114,785	46,990	53,695	420,697	50,370
Michigan	202,949	227,118	264,011	88,673	¥114,276	880,231	114,061
Minnesota	109,561	118,536	119,739	47,443	62,118	440,943	55,804
Mississippi	74,300	95,285	95,436	32,364	¥41,936	NA	44,377
Missouri	NA	76,430	82,510	NA	NA	NA	¥41,967
Montana	18,714	16,599	16,577	7,985	10,729	NA	10,068
Nebraska	36,306	34,665	40,012	16,729	19,577	153,475	19,947
Nevada	55,485	57,366	47,263	24,438	31,047	NA	NA
New Hampshire	8,625	NA	14,793	3,946	4,679	NA	5,754
New Jersey	NA	179,105	204,291	NA	NA	768,264	88,622
New Mexico	31,027	34,377	33,429	12,949	¥18,078	157,692	17,744
New York	290,172	312,123	366,936	133,369	156,802	1,293,686	150,602
North Carolina	93,732	116,392	113,949	42,694	¥51,038	521,061	51,943
North Dakota	14,330	13,803	14,372	6,212	8,117	¥62,865	7,172
Ohio	206,660	248,484	287,275	91,084	115,576	899,290	113,891
Oklahoma	86,916	103,564	115,871	36,636	¥50,280	557,708	52,893
Oregon	55,441	49,556	38,766	22,219	33,222	232,404	32,108
Pennsylvania	217,881	244,673	264,139	99,578	118,303	1,082,675	122,572
Rhode Island	NA	16,577	18,747	NA	9,000	84,118	8,604
South Carolina	44,408	52,101	49,142	21,020	¥23,389	272,222	23,544
South Dakota	16,359	16,509	17,208	7,106	9,253	74,430	8,903
Tennessee	65,671	82,003	90,052	29,326	36,346	325,351	41,691
Texas	NA	620,434	649,450	NA	NA	NA	297,242
Utah	48,166	49,709	40,775	18,241	29,925	199,436	27,791
Vermont	3,014	3,155	3,584	1,400	1,614	NA	1,587
Virginia	NA	114,061	114,728	47,099	NA	NA	48,421
Washington	75,710	67,265	52,856	31,854	43,856	292,561	40,019
West Virginia	18,961	22,244	24,166	8,550	10,411	89,981	10,939
Wisconsin	109,309	123,463	134,369	47,044	62,266	476,137	61,446
Wyoming	17,901	15,994	15,211	8,125	9,776	NA	9,373
Total	4,824,786	5,351,727	5,639,416	2,141,984	¥2,682,803	¥25,265,075	¥2,670,839

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016						
	November	October	September	August	July	June	May
Alabama	49,901	49,258	56,287	59,879	61,004	56,493	52,226
Alaska	6,557	5,385	4,082	3,638	3,397	3,318	3,707
Arizona	18,949	26,102	33,314	40,449	40,916	36,028	25,972
Arkansas	23,618	19,372	18,750	25,978	25,370	26,475	22,346
California	175,318	167,442	171,064	189,906	176,235	164,171	146,108
Colorado	29,688	20,757	17,089	19,711	21,121	20,147	23,617
Connecticut	21,659	16,623	15,057	17,380	16,791	14,450	17,313
Delaware	NA	9,278	8,687	10,410	10,826	9,102	7,766
District of Columbia	2,580	1,303	945	981	999	983	1,430
Florida	R91,754	R110,774	R122,176	R133,920	R135,937	R127,213	R121,380
Georgia	51,691	46,436	49,191	59,172	60,816	57,546	53,234
Hawaii	253	250	264	264	255	240	243
Idaho	8,280	7,184	6,826	7,159	6,264	5,389	5,617
Illinois	80,513	59,358	47,517	53,068	NA	NA	54,757
Indiana	59,841	44,690	44,148	48,791	49,010	47,485	53,081
Iowa	27,618	22,144	18,464	20,861	20,333	18,925	21,026
Kansas	R17,770	R13,190	R13,061	R16,569	R15,890	R14,657	NA
Kentucky	21,229	16,771	15,634	18,108	18,006	16,824	17,231
Louisiana	111,838	111,469	115,667	122,101	129,827	121,437	121,883
Maine	3,479	4,064	NA	5,414	5,109	NA	NA
Maryland	15,278	11,332	11,015	15,749	15,193	9,761	12,492
Massachusetts	33,129	25,385	23,440	30,203	30,090	26,938	29,865
Michigan	73,158	53,831	42,514	52,996	47,528	44,645	55,823
Minnesota	R35,116	R26,351	19,788	R27,749	R25,754	R23,884	R27,611
Mississippi	34,286	37,342	46,592	48,964	50,747	NA	43,626
Missouri	R20,497	NA	R13,253	R15,112	R15,665	R15,487	R14,738
Montana	6,683	NA	NA	NA	NA	NA	3,849
Nebraska	13,346	10,525	9,311	11,550	10,915	10,202	9,477
Nevada	22,726	20,892	NA	NA	NA	26,088	22,788
New Hampshire	5,411	3,599	4,901	5,482	5,053	NA	NA
New Jersey	55,717	50,275	47,803	59,913	59,911	50,622	48,734
New Mexico	13,198	11,353	10,648	11,701	12,382	11,183	10,541
New York	102,906	79,105	76,142	96,682	92,474	78,577	84,948
North Carolina	44,497	32,404	35,849	42,365	40,568	35,425	34,982
North Dakota	5,600	5,321	4,264	3,838	3,825	4,155	4,296
Ohio	77,396	54,902	47,406	51,975	50,536	46,353	50,174
Oklahoma	43,295	37,357	42,447	48,076	52,144	50,148	44,126
Oregon	19,183	17,454	19,946	20,428	16,711	14,446	10,965
Pennsylvania	94,415	74,697	71,389	82,582	80,657	71,743	68,263
Rhode Island	6,423	5,182	5,796	6,769	7,030	5,993	7,025
South Carolina	26,486	20,423	22,445	23,406	24,089	20,940	19,652
South Dakota	6,342	5,157	4,683	5,311	4,930	4,666	5,098
Tennessee	23,825	20,575	21,445	23,062	22,501	22,010	20,020
Texas	261,348	268,677	299,478	NA	NA	NA	281,584
Utah	17,077	12,104	10,568	11,175	12,116	11,664	13,165
Vermont	1,082	819	588	567	576	566	652
Virginia	42,281	NA	39,911	49,592	48,172	41,502	35,734
Washington	24,006	21,532	22,220	22,236	19,919	16,658	16,826
West Virginia	8,144	7,053	5,358	4,721	4,939	5,199	5,815
Wisconsin	36,591	26,868	23,355	30,213	28,478	26,941	29,338
Wyoming	7,146	5,989	4,843	4,835	4,708	4,961	6,161
Total	R1,987,878	R1,748,991	R1,775,504	R2,028,189	R2,005,666	R1,828,041	R1,790,761

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		
	April	March	February	January	Total	December	November
Alabama	45,585	51,989	54,364	64,403	642,961	54,905	50,654
Alaska	4,257	5,533	5,874	7,029	69,642	7,912	6,892
Arizona	25,247	21,868	23,678	30,575	337,347	30,546	25,902
Arkansas	21,580	26,559	23,250	28,625	274,727	23,235	19,028
California	145,566	161,492	172,051	222,051	2,247,961	234,012	194,884
Colorado	30,317	35,484	38,677	48,673	348,183	49,108	40,211
Connecticut	21,402	21,860	27,237	29,289	248,366	22,980	19,695
Delaware	8,823	8,771	8,440	9,107	100,842	7,513	6,900
District of Columbia	2,074	2,466	4,776	5,148	31,502	3,143	2,631
Florida	115,724	107,367	96,563	105,395	1,334,385	105,479	105,863
Georgia	52,837	57,089	67,585	79,886	684,971	56,568	55,916
Hawaii	256	248	247	259	2,922	250	227
Idaho	5,420	9,198	11,078	13,782	99,811	13,907	11,409
Illinois	75,944	97,925	127,574	150,729	966,018	107,693	84,914
Indiana	55,617	66,122	79,192	90,402	710,564	71,835	59,417
Iowa	22,823	28,782	34,429	40,532	308,324	32,862	25,435
Kansas	14,364	18,452	23,541	30,549	216,014	25,014	18,027
Kentucky	18,454	24,366	28,846	35,157	252,877	22,855	22,310
Louisiana	114,988	119,996	114,357	130,017	1,357,572	123,012	115,968
Maine	NA	NA	NA	NA	51,191	4,275	4,385
Maryland	15,646	19,664	26,802	31,097	207,716	18,805	16,625
Massachusetts	34,421	39,445	46,939	50,473	433,907	36,397	31,129
Michigan	80,329	88,227	108,693	118,425	826,917	85,543	70,111
Minnesota	36,552	43,798	54,853	63,683	422,112	51,546	35,699
Mississippi	NA	38,789	45,335	49,951	496,388	40,342	39,644
Missouri	18,145	22,356	33,852	42,578	262,812	29,364	21,008
Montana	NA	NA	7,307	9,292	67,159	9,224	7,727
Nebraska	10,910	12,626	15,590	19,075	154,420	17,040	13,653
Nevada	21,360	23,087	25,038	32,328	292,860	31,083	24,211
New Hampshire	NA	NA	NA	5,947	68,609	5,390	6,040
New Jersey	58,979	68,583	82,039	97,065	746,777	63,365	56,408
New Mexico	11,400	13,166	15,153	19,224	154,224	18,841	14,104
New York	102,021	118,106	146,947	165,176	1,326,168	111,673	99,041
North Carolina	39,758	46,879	55,929	60,463	493,801	42,774	42,625
North Dakota	3,917	5,628	6,186	7,617	58,201	6,170	5,478
Ohio	73,089	85,084	114,448	134,036	938,930	87,546	73,198
Oklahoma	41,309	42,348	44,391	59,174	541,224	55,974	47,190
Oregon	11,771	19,835	22,342	27,214	232,158	28,039	25,331
Pennsylvania	79,252	92,430	114,634	130,040	1,068,687	95,829	86,544
Rhode Island	6,203	8,516	7,975	8,602	90,891	6,915	7,674
South Carolina	17,586	21,550	23,829	28,273	270,601	24,390	25,792
South Dakota	6,141	6,691	7,692	8,816	73,362	8,090	6,624
Tennessee	20,972	27,247	37,176	44,827	305,092	28,917	24,198
Texas	271,540	291,489	287,939	332,495	3,639,217	315,333	272,469
Utah	16,067	17,998	22,060	27,650	187,605	27,899	20,811
Vermont	NA	1,101	1,459	1,695	11,814	1,173	1,028
Virginia	31,264	42,267	53,524	60,537	484,734	44,396	36,526
Washington	16,382	25,498	29,243	38,022	296,358	37,216	34,685
West Virginia	6,848	8,721	10,183	12,061	86,593	7,416	6,876
Wisconsin	39,801	49,645	57,375	66,088	455,096	49,589	38,889
Wyoming	NA	NA	7,469	8,526	72,916	9,340	7,384
Total	1,909,737	2,167,742	2,463,684	2,888,043	25,053,530	2,392,722	2,069,390

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015						
	October	September	August	July	June	May	April
Alabama	49,410	50,245	54,988	57,075	53,437	50,554	42,142
Alaska	5,288	4,451	3,768	3,915	3,850	4,209	6,324
Arizona	29,635	35,525	42,566	38,370	35,446	19,112	19,839
Arkansas	14,993	18,137	22,054	22,228	19,318	17,712	20,592
California	186,153	188,710	198,391	192,293	175,938	163,283	165,093
Colorado	22,665	19,007	18,985	18,838	18,092	21,914	24,475
Connecticut	17,358	15,681	17,414	16,767	14,710	15,290	20,133
Delaware	6,916	7,972	8,362	8,947	7,692	8,416	9,831
District of Columbia	1,872	1,147	1,108	1,051	1,150	1,257	1,949
Florida	113,989	118,347	125,914	124,432	119,224	115,263	113,144
Georgia	52,489	49,214	54,775	58,873	52,157	48,145	43,166
Hawaii	239	232	239	242	244	228	254
Idaho	7,662	6,873	7,042	6,456	7,059	6,443	6,583
Illinois	57,574	43,492	42,342	46,090	42,029	46,909	67,759
Indiana	47,975	39,803	42,445	43,269	41,485	45,278	51,908
Iowa	21,652	18,212	18,908	19,651	18,577	19,581	21,913
Kansas	13,375	12,842	15,507	16,099	12,782	12,215	13,388
Kentucky	18,353	15,435	15,694	16,842	14,254	14,566	17,009
Louisiana	112,509	108,810	117,522	117,081	112,740	111,422	104,903
Maine	4,894	3,611	3,870	3,189	2,680	2,947	3,956
Maryland	12,834	9,828	10,463	12,316	10,128	10,703	13,739
Massachusetts	29,657	25,693	31,624	31,449	24,430	26,713	33,166
Michigan	54,392	37,523	37,227	39,331	37,128	41,913	60,901
Minnesota	27,050	22,875	22,081	22,421	20,431	21,217	32,533
Mississippi	37,359	38,613	43,495	46,155	43,778	37,675	31,901
Missouri	13,199	11,960	13,981	14,752	12,603	11,404	18,106
Montana	4,718	3,600	3,660	3,282	3,185	3,979	4,952
Nebraska	10,155	8,664	9,740	11,073	9,402	9,805	10,966
Nevada	23,070	24,570	27,370	24,970	26,056	20,870	22,395
New Hampshire	4,641	4,926	5,573	5,203	4,694	5,020	5,348
New Jersey	46,188	45,403	45,176	47,812	41,731	44,949	59,327
New Mexico	10,676	10,137	12,154	11,297	10,533	8,933	10,762
New York	86,215	79,161	85,884	84,705	72,085	78,894	95,756
North Carolina	35,105	35,545	36,713	37,315	38,201	35,765	33,993
North Dakota	4,432	3,657	3,529	2,971	3,307	4,064	4,298
Ohio	55,280	45,637	48,179	49,618	48,997	51,954	71,113
Oklahoma	36,076	38,004	44,220	45,431	37,815	36,946	37,119
Oregon	18,420	18,235	17,542	17,829	16,730	15,976	18,469
Pennsylvania	78,652	67,108	73,702	74,612	66,802	63,923	79,513
Rhode Island	6,249	4,840	8,375	8,259	7,616	7,400	5,628
South Carolina	22,864	20,308	22,307	23,409	22,960	18,946	19,258
South Dakota	4,860	4,497	5,007	5,209	4,942	5,102	5,493
Tennessee	18,784	18,247	17,841	19,261	19,189	19,168	19,714
Texas	280,076	294,187	335,841	332,168	294,230	276,196	272,306
Utah	10,851	10,250	11,742	11,351	11,805	12,967	14,563
Vermont	876	566	544	587	569	500	895
Virginia	27,460	34,375	37,663	40,618	37,847	34,819	29,214
Washington	25,461	22,122	20,118	21,456	19,639	18,108	21,000
West Virginia	6,220	4,954	4,941	5,157	4,777	4,894	6,427
Wisconsin	29,319	23,616	23,421	25,140	22,377	24,878	33,060
Wyoming	5,006	4,538	4,349	4,606	4,767	5,383	5,822
Total	1,811,143	1,731,389	1,876,359	1,891,471	1,731,619	1,683,806	1,832,097

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015		
	March	February	January
Alabama	52,437	61,057	66,057
Alaska	7,352	7,022	8,659
Arizona	17,432	17,874	25,102
Arkansas	28,589	35,096	33,744
California	168,376	165,790	215,036
Colorado	31,756	37,147	45,986
Connecticut	27,483	28,851	32,004
Delaware	8,862	8,719	10,713
District of Columbia	4,306	5,602	6,285
Florida	101,972	91,489	99,269
Georgia	57,023	76,097	80,548
Hawaii	252	237	278
Idaho	6,971	7,480	11,926
Illinois	112,117	158,479	156,620
Indiana	77,530	95,657	93,962
Iowa	30,517	40,554	40,462
Kansas	19,942	27,342	29,481
Kentucky	25,949	36,526	33,084
Louisiana	107,129	108,232	118,244
Maine	5,781	5,330	6,273
Maryland	25,620	33,717	32,940
Massachusetts	48,863	57,377	57,408
Michigan	98,836	133,963	130,049
Minnesota	46,520	60,554	59,185
Mississippi	41,991	48,766	46,670
Missouri	33,925	42,379	40,131
Montana	6,256	7,389	9,188
Nebraska	13,910	19,668	20,344
Nevada	21,001	21,764	25,499
New Hampshire	6,982	6,674	8,119
New Jersey	92,127	102,840	101,451
New Mexico	13,356	15,127	18,302
New York	165,819	181,039	185,897
North Carolina	41,817	56,931	57,019
North Dakota	5,925	7,170	7,202
Ohio	120,132	144,972	142,304
Oklahoma	46,576	56,199	59,672
Oregon	16,821	15,236	23,530
Pennsylvania	117,862	131,484	132,655
Rhode Island	9,189	9,181	9,567
South Carolina	21,226	23,878	25,264
South Dakota	6,329	8,394	8,814
Tennessee	29,720	47,266	42,787
Texas	316,962	299,718	349,733
Utah	14,589	17,343	23,432
Vermont	1,493	1,748	1,836
Virginia	47,088	58,044	56,684
Washington	23,696	21,931	30,926
West Virginia	10,765	12,588	11,578
Wisconsin	50,438	68,283	66,086
Wyoming	6,510	6,824	8,387
Total	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 2-Month YTD	2016 2-Month YTD	2015 2-Month YTD	2017		2016	
				February	January	Total	December
Alabama	4.17	3.20	4.03	4.23	4.13	3.44	3.78
Alaska	NA	6.90	7.33	7.54	NA	6.75	7.29
Arizona	4.50	4.00	4.73	4.71	4.37	4.07	4.74
Arkansas	4.25	3.57	4.38	4.37	4.17	4.29	3.83
California	3.76	2.69	3.47	3.59	3.87	2.96	3.64
Colorado	3.92	3.15	4.05	3.91	3.92	3.56	3.61
Connecticut	4.45	3.36	4.38	4.45	4.45	3.57	3.90
Delaware	4.46	3.82	4.96	4.62	4.34	4.91	4.28
District of Columbia	--	--	--	--	--	--	--
Florida	NA	3.90	5.29	NA	NA	NA	NA
Georgia	4.58	3.31	3.72	4.43	4.69	3.67	4.08
Hawaii	15.75	10.73	15.61	16.20	15.34	13.81	14.75
Idaho	3.16	3.32	4.42	3.14	3.17	NA	3.16
Illinois	3.80	2.98	3.97	3.56	3.95	NA	3.63
Indiana	3.84	3.34	4.16	3.89	3.81	3.60	3.81
Iowa	4.39	3.64	4.53	4.16	4.55	NA	4.07
Kansas	4.17	3.39	4.75	4.08	4.22	4.08	3.74
Kentucky	NA	3.25	4.27	4.19	NA	3.35	3.77
Louisiana	NA	3.50	4.00	3.66	NA	NA	NA
Maine	7.46	8.27	11.31	7.58	7.36	6.41	6.22
Maryland	4.53	3.40	5.12	4.69	4.43	NA	NA
Massachusetts	NA	4.11	6.44	NA	4.66	4.49	4.61
Michigan	3.78	3.82	4.59	3.71	3.84	NA	3.54
Minnesota	4.27	3.53	4.71	4.23	4.30	3.71	4.05
Mississippi	NA	3.52	3.99	NA	5.02	NA	4.77
Missouri	4.27	3.32	4.32	4.37	4.21	4.05	3.76
Montana	3.30	3.32	4.45	3.56	3.14	3.04	2.87
Nebraska	NA	3.72	4.74	NA	4.36	NA	3.67
Nevada	NA	3.45	4.61	NA	4.46	NA	NA
New Hampshire	NA	7.02	10.36	NA	NA	NA	5.32
New Jersey	4.51	3.89	5.16	4.48	4.52	3.93	4.14
New Mexico	3.89	2.75	3.59	3.83	3.93	NA	NA
New York	3.84	2.75	4.13	3.72	3.94	3.57	3.85
North Carolina	3.81	2.93	3.88	3.72	3.87	3.44	3.72
North Dakota	4.56	3.79	4.90	4.53	4.58	3.88	4.10
Ohio	4.16	3.58	4.81	4.41	4.02	3.27	3.62
Oklahoma	4.38	3.65	4.79	4.26	4.46	3.98	4.04
Oregon	NA	3.70	4.74	NA	3.59	NA	3.69
Pennsylvania	4.13	3.10	4.20	4.20	4.08	3.71	3.72
Rhode Island	2.14	2.23	3.62	2.18	2.12	2.12	1.99
South Carolina	NA	3.35	4.13	4.40	NA	3.64	4.44
South Dakota	4.36	3.58	4.52	4.38	4.35	3.65	3.92
Tennessee	4.21	3.18	4.24	4.16	4.24	3.42	3.73
Texas	5.23	3.82	4.65	5.14	5.28	4.09	5.36
Utah	5.60	5.80	6.53	5.97	5.37	5.15	5.35
Vermont	NA	5.74	6.71	5.69	NA	5.13	5.11
Virginia	3.97	3.36	4.95	4.07	3.90	4.00	3.74
Washington	NA	3.39	4.83	NA	NA	NA	3.58
West Virginia	3.65	3.25	4.08	3.68	3.63	3.47	3.30
Wisconsin	4.43	3.78	4.88	4.39	4.46	3.91	3.88
Wyoming	4.25	3.68	5.25	4.23	4.27	3.53	4.00
Total	4.17	3.44	4.53	4.10	4.22	3.72	3.95

See footnotes at end of table.

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

State	2016						
	November	October	September	August	July	June	May
Alabama	3.85	4.20	3.89	3.89	3.89	3.34	2.99
Alaska	6.82	7.10	6.32	6.19	6.12	6.03	6.21
Arizona	4.91	4.09	3.92	3.86	4.05	3.31	2.77
Arkansas	4.37	6.02	5.69	6.22	6.68	6.16	4.79
California	3.30	3.51	3.56	3.29	3.34	2.52	2.49
Colorado	3.88	4.73	5.27	4.81	5.16	4.22	3.25
Connecticut	3.31	3.13	4.29	4.20	4.69	4.58	3.85
Delaware	4.17	6.15	8.20	8.50	8.77	8.53	6.24
District of Columbia	--	--	--	--	--	--	--
Florida	NA	NA	4.13	3.87	3.69	3.46	3.50
Georgia	4.09	4.34	4.24	4.01	4.32	3.44	3.37
Hawaii	12.93	15.07	14.06	13.33	13.54	17.26	16.20
Idaho	3.29	3.18	3.29	2.69	NA	NA	3.22
Illinois	3.38	4.25	5.19	4.66	4.25	NA	3.10
Indiana	3.60	4.24	4.77	4.89	5.21	4.35	3.25
Iowa	4.16	4.34	4.76	NA	4.64	4.16	3.43
Kansas	4.40	6.60	6.84	5.55	6.60	5.64	4.57
Kentucky	3.53	3.63	3.45	3.26	3.47	2.85	2.93
Louisiana	4.23	3.98	4.07	3.85	4.00	3.16	2.99
Maine	6.25	4.24	5.33	4.67	5.29	5.37	3.81
Maryland	4.20	5.42	NA	NA	8.80	7.14	4.57
Massachusetts	4.16	5.36	8.26	6.95	7.49	5.90	4.86
Michigan	3.65	3.53	NA	3.08	3.21	2.74	2.87
Minnesota	4.17	3.71	4.38	4.28	3.88	3.49	2.98
Mississippi	4.14	4.17	3.90	3.79	4.04	3.46	3.19
Missouri	3.91	6.10	6.26	6.79	6.86	5.18	4.79
Montana	3.17	3.33	3.45	3.34	3.12	2.50	2.28
Nebraska	3.99	NA	3.65	3.90	NA	3.17	3.00
Nevada	3.70	4.10	4.45	4.76	4.50	3.74	3.19
New Hampshire	4.60	3.80	5.34	NA	6.79	5.79	3.87
New Jersey	3.94	3.75	4.02	3.75	3.92	3.91	3.80
New Mexico	3.22	3.62	3.47	3.39	3.50	2.89	2.43
New York	3.40	3.57	6.47	6.94	6.69	5.52	4.26
North Carolina	3.33	4.43	4.76	4.83	5.28	4.38	3.71
North Dakota	4.64	4.51	4.52	4.19	4.36	2.83	2.71
Ohio	3.43	3.09	2.38	2.53	2.69	2.46	2.61
Oklahoma	4.00	5.03	5.29	5.39	5.51	4.77	3.83
Oregon	3.84	NA	5.76	5.08	5.59	4.97	4.47
Pennsylvania	4.13	4.01	5.26	5.63	6.52	6.36	4.35
Rhode Island	1.96	1.96	2.01	2.03	2.06	2.05	2.09
South Carolina	3.66	4.01	3.94	3.75	3.87	3.43	3.08
South Dakota	4.25	4.20	4.73	4.82	4.47	3.06	2.28
Tennessee	3.90	4.26	3.99	3.64	3.88	3.19	3.02
Texas	5.10	4.93	4.16	4.00	3.94	3.41	3.20
Utah	5.00	4.82	3.86	3.24	3.37	3.58	4.60
Vermont	4.74	4.08	4.21	4.22	4.01	4.24	4.96
Virginia	3.87	5.37	6.50	7.04	6.25	6.42	4.38
Washington	4.14	NA	NA	4.35	4.56	3.57	3.85
West Virginia	3.45	3.73	5.14	5.08	5.59	4.62	3.43
Wisconsin	4.24	4.36	5.18	4.80	5.08	4.12	3.67
Wyoming	3.48	3.76	3.46	3.38	3.19	2.56	3.07
Total	3.89	4.19	4.59	4.37	4.45	3.98	3.45

See footnotes at end of table.

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

State	2016				2015		
	April	March	February	January	Total	December	November
Alabama	2.90	3.00	3.18	3.22	3.91	3.27	3.61
Alaska	6.37	6.45	6.85	6.93	6.57	6.53	6.56
Arizona	3.03	4.85	4.60	3.64	4.38	3.65	4.42
Arkansas	4.60	4.53	3.76	3.43	4.77	4.00	4.16
California	2.25	2.30	2.65	2.72	3.27	3.02	3.08
Colorado	2.78	3.43	3.23	3.09	3.98	3.07	3.24
Connecticut	3.20	3.09	3.45	3.27	4.07	3.80	3.36
Delaware	5.03	4.70	3.84	3.81	5.87	4.98	5.14
District of Columbia	--	--	--	--	--	--	--
Florida	3.37	3.83	3.95	3.86	4.75	4.65	3.92
Georgia	3.19	3.21	3.25	3.35	3.83	3.51	3.37
Hawaii	14.19	13.19	10.52	10.93	18.11	14.81	14.92
Idaho	2.79	3.67	3.47	3.20	3.95	3.34	3.52
Illinois	3.39	3.33	2.79	3.12	3.82	3.43	3.17
Indiana	2.91	3.45	3.25	3.42	4.03	3.52	3.62
Iowa	3.41	3.83	3.62	3.65	4.29	3.79	3.81
Kansas	4.41	3.56	3.41	3.38	4.59	3.55	3.94
Kentucky	2.97	3.26	3.26	3.24	3.96	3.85	3.21
Louisiana	3.03	3.32	3.49	3.51	3.32	2.95	2.62
Maine	3.58	7.53	8.85	7.79	8.76	8.01	7.52
Maryland	3.89	4.34	3.52	3.30	5.01	5.19	4.26
Massachusetts	3.94	3.40	4.30	3.93	5.72	5.42	4.42
Michigan	2.91	3.90	3.84	3.80	4.23	3.95	3.87
Minnesota	2.94	3.77	3.65	3.43	4.39	3.65	4.06
Mississippi	3.36	NA	3.85	3.28	4.05	4.29	3.02
Missouri	4.13	3.79	3.36	3.29	4.64	3.48	3.86
Montana	2.42	3.03	3.43	3.23	3.71	3.25	2.87
Nebraska	3.14	4.16	3.80	3.65	4.32	3.23	3.83
Nevada	3.16	3.18	3.56	3.38	4.06	3.15	3.57
New Hampshire	2.72	3.57	7.03	7.02	7.64	6.40	4.34
New Jersey	3.81	3.98	3.94	3.84	4.87	4.27	4.30
New Mexico	2.23	2.75	2.80	2.72	3.32	2.76	2.80
New York	3.03	2.84	2.92	2.62	4.15	3.56	3.54
North Carolina	3.21	3.10	2.87	2.98	3.81	3.10	2.79
North Dakota	2.97	3.65	3.84	3.76	4.46	3.94	4.16
Ohio	2.41	3.09	3.55	3.60	4.49	3.75	3.45
Oklahoma	3.73	3.58	3.69	3.62	4.59	3.86	4.22
Oregon	3.97	3.48	3.79	3.64	4.65	3.72	3.92
Pennsylvania	3.28	3.98	3.18	3.04	4.38	4.10	4.24
Rhode Island	2.14	2.22	2.24	2.23	3.14	2.21	2.22
South Carolina	3.37	3.41	3.27	3.42	3.90	3.48	3.20
South Dakota	2.47	3.40	3.49	3.65	4.16	4.01	4.19
Tennessee	2.97	3.09	3.14	3.21	4.06	3.45	3.49
Texas	3.20	3.60	3.87	3.79	4.19	4.37	3.90
Utah	4.63	6.06	6.05	5.61	5.70	5.96	4.84
Vermont	4.85	6.93	5.98	5.52	6.33	5.93	5.08
Virginia	3.92	3.72	3.31	3.40	4.87	4.36	4.07
Washington	3.43	NA	3.63	3.21	4.42	3.46	3.51
West Virginia	3.22	3.27	3.38	3.14	4.00	3.63	3.57
Wisconsin	3.16	3.73	3.92	3.67	4.71	3.96	4.21
Wyoming	3.10	3.47	3.75	3.62	4.36	3.89	3.88
Total	3.22	3.49	3.48	3.40	4.26	3.75	3.68

See footnotes at end of table.

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

State	2015						
	October	September	August	July	June	May	April
Alabama	3.83	3.81	4.04	3.94	3.96	3.84	4.08
Alaska	6.11	5.90	5.80	5.60	5.61	5.80	6.22
Arizona	4.25	4.48	4.53	4.55	4.29	3.81	3.95
Arkansas	5.63	5.58	6.92	7.11	6.56	5.52	6.31
California	3.32	3.42	3.55	3.56	3.42	2.96	3.13
Colorado	4.60	5.60	5.59	5.33	5.20	4.22	4.11
Connecticut	3.58	4.59	4.45	4.58	4.58	4.49	3.28
Delaware	6.54	10.35	10.03	10.56	10.05	9.71	6.31
District of Columbia	--	--	--	--	--	--	--
Florida	4.17	4.53	4.44	4.87	5.12	3.85	5.24
Georgia	3.80	4.14	4.16	4.16	4.23	3.93	4.04
Hawaii	14.59	15.38	17.72	22.97	25.54	22.92	19.95
Idaho	3.75	3.67	4.50	4.65	3.99	3.81	3.42
Illinois	3.61	4.91	4.75	5.12	4.09	3.95	3.54
Indiana	3.68	4.58	4.82	4.57	4.61	4.26	3.55
Iowa	3.58	4.62	4.61	4.54	3.63	4.32	4.12
Kansas	5.53	6.43	5.66	5.39	6.04	5.72	3.64
Kentucky	3.41	3.34	3.41	3.44	3.97	3.78	3.75
Louisiana	2.95	3.08	3.28	3.48	3.22	3.04	3.08
Maine	4.38	5.52	5.39	9.76	7.37	7.25	6.30
Maryland	4.07	7.19	8.89	7.53	6.67	5.94	4.14
Massachusetts	4.62	7.59	7.15	7.30	6.25	6.74	3.93
Michigan	3.65	3.60	3.82	3.82	3.92	3.71	3.84
Minnesota	3.51	4.49	4.52	4.68	4.29	3.66	3.83
Mississippi	3.68	3.64	3.82	3.81	3.83	3.64	3.46
Missouri	5.33	6.73	7.26	7.35	6.97	6.51	5.47
Montana	3.28	3.10	3.36	3.43	3.24	3.56	3.44
Nebraska	4.04	4.68	4.16	4.11	3.65	4.71	3.93
Nevada	4.40	4.38	4.64	4.53	4.15	3.89	3.95
New Hampshire	3.59	5.90	7.17	7.87	9.74	5.52	4.46
New Jersey	4.37	5.00	4.84	4.70	4.78	4.73	4.48
New Mexico	3.34	3.57	3.74	3.64	3.55	3.17	3.56
New York	4.57	7.12	7.07	7.01	6.26	5.72	2.94
North Carolina	3.88	4.43	4.68	4.64	4.62	4.46	4.05
North Dakota	4.58	5.00	4.32	3.56	3.59	3.46	4.08
Ohio	3.02	2.34	3.04	3.24	3.98	4.21	4.51
Oklahoma	5.28	5.45	5.43	5.17	4.82	4.23	4.34
Oregon	5.15	5.19	5.84	6.30	5.36	5.37	4.68
Pennsylvania	3.79	6.30	6.22	5.85	5.60	6.65	4.51
Rhode Island	2.24	2.31	2.41	2.52	2.66	2.83	3.09
South Carolina	3.56	4.01	3.96	3.97	4.07	4.09	4.11
South Dakota	4.60	4.72	4.44	4.11	3.81	3.01	3.21
Tennessee	3.80	4.03	4.00	4.12	4.14	4.60	3.95
Texas	4.17	3.73	3.86	3.94	3.71	3.58	3.74
Utah	5.49	4.18	3.96	4.34	3.99	5.69	5.99
Vermont	4.59	5.96	6.34	6.39	7.22	8.35	6.55
Virginia	4.75	5.61	7.36	7.00	6.62	6.69	4.52
Washington	4.25	5.08	5.84	5.29	5.24	5.10	4.19
West Virginia	3.60	4.77	4.72	5.37	4.49	4.06	3.62
Wisconsin	4.25	5.61	5.95	5.68	5.79	4.47	4.10
Wyoming	4.09	3.89	3.50	3.06	3.55	4.32	4.31
Total	4.00	4.56	4.59	4.65	4.44	4.24	3.93

See footnotes at end of table.

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

State	2015		
	March	February	January
Alabama	4.12	3.89	4.18
Alaska	6.86	7.21	7.43
Arizona	5.45	5.08	4.52
Arkansas	4.87	4.27	4.48
California	3.27	3.30	3.58
Colorado	4.45	4.24	3.92
Connecticut	3.89	4.50	4.26
Delaware	4.89	5.29	4.62
District of Columbia	--	--	--
Florida	6.30	5.25	5.33
Georgia	3.81	3.56	3.89
Hawaii	18.30	17.90	13.58
Idaho	4.86	4.66	4.27
Illinois	3.81	4.06	3.87
Indiana	4.23	4.09	4.23
Iowa	4.69	4.26	4.81
Kansas	4.35	4.25	5.27
Kentucky	4.24	4.04	4.48
Louisiana	3.69	3.86	4.15
Maine	9.28	11.79	10.83
Maryland	4.40	5.60	4.61
Massachusetts	4.96	7.43	5.44
Michigan	4.38	4.55	4.63
Minnesota	5.36	4.69	4.72
Mississippi	6.03	3.63	4.37
Missouri	4.50	4.24	4.41
Montana	4.54	4.34	4.53
Nebraska	4.87	4.29	5.19
Nevada	4.70	4.79	4.49
New Hampshire	6.46	10.71	10.03
New Jersey	5.09	5.64	4.66
New Mexico	3.77	3.56	3.62
New York	3.19	4.43	3.84
North Carolina	3.71	3.87	3.90
North Dakota	4.85	4.77	5.03
Ohio	4.79	4.78	4.83
Oklahoma	4.46	4.44	5.21
Oregon	4.83	4.84	4.67
Pennsylvania	4.28	4.10	4.30
Rhode Island	3.59	3.63	3.61
South Carolina	4.11	4.02	4.23
South Dakota	4.02	4.46	4.57
Tennessee	4.32	4.17	4.30
Texas	4.17	4.31	4.93
Utah	6.40	6.81	6.35
Vermont	6.62	6.84	6.59
Virginia	4.01	5.33	4.56
Washington	4.96	4.89	4.79
West Virginia	3.99	4.04	4.13
Wisconsin	4.98	4.76	5.01
Wyoming	4.67	4.95	5.52
Total	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 2-Month YTD	2016 2-Month YTD	2015 2-Month YTD	2017		2016 Total	2016 December
				February	January		
Alabama	13.96	11.63	12.49	14.63	13.43	14.05	14.27
Alaska	9.54	8.93	9.57	9.63	9.46	9.81	9.51
Arizona	NA	12.73	16.00	NA	12.57	15.19	12.63
Arkansas	11.14	9.40	10.77	12.00	10.56	11.35	10.83
California	12.99	11.48	11.61	12.73	13.17	11.91	13.16
Colorado	7.10	6.26	8.01	7.45	6.87	7.38	6.48
Connecticut	12.76	10.51	11.36	13.19	12.39	12.91	11.73
Delaware	11.03	9.88	11.28	11.25	10.85	11.88	11.53
District of Columbia	NA	9.70	10.90	11.43	NA	NA	10.97
Florida	NA	16.48	16.48	NA	NA	19.25	17.85
Georgia	13.46	10.81	11.35	14.36	12.82	NA	12.31
Hawaii	37.25	33.50	36.83	37.91	36.66	36.40	37.48
Idaho	7.31	8.07	8.70	7.50	7.20	8.11	7.19
Illinois	7.83	6.04	6.87	8.32	7.51	7.88	6.75
Indiana	8.02	6.42	7.83	8.59	7.63	NA	6.33
Iowa	7.81	6.52	7.33	8.02	7.66	NA	6.93
Kansas	9.19	7.53	8.92	10.00	8.64	NA	NA
Kentucky	9.94	7.72	9.20	10.92	9.27	10.12	8.63
Louisiana	11.77	9.04	9.28	12.64	11.19	11.56	11.23
Maine	13.70	13.10	17.66	13.70	13.71	NA	NA
Maryland	11.95	9.68	10.62	12.59	11.48	NA	NA
Massachusetts	13.10	12.04	14.00	13.21	13.00	12.57	13.27
Michigan	7.70	7.41	8.50	7.92	7.54	8.14	7.32
Minnesota	8.11	7.06	8.39	8.11	8.10	7.98	7.28
Mississippi	10.54	8.32	8.20	10.94	10.27	10.23	9.01
Missouri	8.67	8.05	9.54	9.23	8.27	10.93	9.07
Montana	6.97	6.83	8.31	7.28	6.73	7.26	6.72
Nebraska	7.62	6.46	8.11	7.94	7.39	7.98	7.03
Nevada	7.02	9.38	10.79	7.10	6.96	10.23	7.57
New Hampshire	13.43	13.31	16.77	13.60	13.26	NA	NA
New Jersey	8.33	6.70	7.81	8.23	8.42	8.32	8.50
New Mexico	7.79	6.39	7.75	7.94	7.66	8.04	7.60
New York	10.36	9.82	10.12	10.96	9.80	10.83	9.59
North Carolina	12.58	8.90	9.47	13.88	11.81	NA	10.62
North Dakota	6.30	5.54	7.43	6.81	5.94	7.21	5.69
Ohio	NA	6.44	7.72	NA	7.19	9.13	7.91
Oklahoma	7.77	6.67	7.94	8.77	7.12	10.58	8.38
Oregon	9.43	11.04	11.65	9.79	9.18	NA	9.28
Pennsylvania	NA	8.65	10.42	10.35	NA	10.13	9.16
Rhode Island	12.65	12.52	13.06	12.72	12.58	13.80	13.03
South Carolina	14.24	9.42	9.50	15.19	13.63	12.68	11.67
South Dakota	7.31	6.44	7.65	7.87	6.94	7.62	6.76
Tennessee	8.93	7.31	8.59	9.36	8.62	NA	8.75
Texas	10.11	7.78	8.32	10.76	9.67	NA	10.73
Utah	8.57	8.68	9.81	8.79	8.40	9.12	8.99
Vermont	12.53	12.85	13.36	12.37	12.69	14.15	13.13
Virginia	11.33	9.10	10.01	12.27	10.67	NA	NA
Washington	9.89	9.60	11.60	10.06	9.77	NA	9.69
West Virginia	8.29	8.31	9.79	8.41	8.21	9.26	8.22
Wisconsin	7.85	7.37	8.35	7.57	8.06	8.08	7.41
Wyoming	7.75	7.45	8.86	8.08	7.50	NA	7.31
Total	9.67	8.35	9.29	10.05	9.38	10.06	9.06

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						
	November	October	September	August	July	June	May
Alabama	19.09	21.22	21.13	21.26	20.57	19.30	17.16
Alaska	9.73	10.07	11.36	12.66	12.98	12.14	10.41
Arizona	15.60	18.61	20.69	22.29	21.49	19.48	17.44
Arkansas	17.74	18.42	19.07	18.86	17.01	15.57	13.88
California	12.40	13.39	13.34	12.90	11.97	11.37	11.52
Colorado	7.42	9.75	12.12	14.28	14.02	12.51	7.09
Connecticut	13.28	16.63	22.18	24.07	21.75	19.19	15.03
Delaware	13.74	19.78	22.48	24.20	21.34	17.54	13.44
District of Columbia	NA	13.09	19.45	20.11	18.38	15.35	12.56
Florida	20.38	23.28	23.87	24.82	24.18	22.59	20.69
Georgia	16.53	25.30	NA	25.99	25.97	24.64	20.07
Hawaii	34.09	37.47	35.35	34.86	34.76	42.55	39.90
Idaho	7.34	8.21	9.46	10.13	9.85	9.77	9.18
Illinois	8.71	12.17	16.73	17.33	16.50	12.62	10.49
Indiana	8.38	11.79	17.47	18.38	18.70	16.30	9.95
Iowa	10.22	NA	16.31	17.63	16.05	13.28	8.74
Kansas	NA	18.32	19.93	21.71	20.10	18.90	13.40
Kentucky	11.42	19.41	22.87	24.40	23.01	20.11	14.80
Louisiana	15.24	16.56	16.17	16.97	16.27	14.16	13.40
Maine	13.32	15.77	NA	22.81	21.90	18.01	13.48
Maryland	13.43	17.66	20.58	21.29	20.13	16.04	12.63
Massachusetts	13.38	13.82	15.10	15.35	14.55	12.84	12.46
Michigan	7.95	9.34	12.76	14.50	13.25	12.32	9.28
Minnesota	7.95	9.47	13.15	13.32	13.45	11.67	9.83
Mississippi	13.66	16.14	15.44	16.26	15.93	14.15	13.16
Missouri	15.24	21.68	23.99	26.38	24.82	19.70	15.58
Montana	7.35	7.91	10.04	11.09	10.30	8.34	7.18
Nebraska	10.04	13.26	15.67	16.07	14.98	12.33	9.22
Nevada	9.70	11.49	13.81	14.42	14.63	12.99	11.92
New Hampshire	14.97	19.46	24.66	24.61	23.02	18.19	13.97
New Jersey	9.11	10.38	11.90	12.27	11.49	10.78	9.49
New Mexico	10.06	12.57	14.34	15.18	13.85	11.38	8.73
New York	10.91	14.83	17.32	17.86	16.65	14.69	10.98
North Carolina	11.90	18.56	NA	NA	22.54	19.64	16.44
North Dakota	6.97	8.50	16.30	20.07	20.52	19.22	9.53
Ohio	10.14	18.80	26.09	27.29	25.47	19.24	11.70
Oklahoma	18.87	24.83	26.11	29.01	24.73	19.82	16.74
Oregon	NA	11.60	14.16	16.28	NA	15.63	15.03
Pennsylvania	10.56	13.51	18.78	19.38	18.24	15.54	11.32
Rhode Island	14.27	17.92	20.26	20.37	19.20	16.89	14.49
South Carolina	13.61	22.25	25.36	25.66	26.97	24.19	18.70
South Dakota	9.62	10.49	13.40	14.20	13.53	11.38	7.76
Tennessee	12.14	NA	17.53	18.91	17.06	14.76	12.45
Texas	18.47	20.14	21.01	22.75	19.33	NA	16.33
Utah	9.90	9.23	10.12	10.75	10.67	9.81	8.89
Vermont	14.31	18.75	22.57	23.02	21.11	18.40	14.26
Virginia	12.99	16.38	21.29	21.37	19.95	15.54	12.71
Washington	10.65	11.11	13.41	15.55	NA	NA	9.90
West Virginia	8.92	11.65	16.69	18.41	17.03	15.58	11.73
Wisconsin	8.26	9.20	14.30	15.05	14.32	10.57	8.64
Wyoming	8.76	10.24	15.66	16.52	NA	11.00	8.49
Total	10.76	13.74	16.81	17.63	16.57	14.45	11.60

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		
	April	March	February	January	Total	December	November
Alabama	14.45	12.15	11.26	12.14	14.13	14.48	17.89
Alaska	9.63	9.09	8.99	8.87	9.64	8.76	8.86
Arizona	16.54	18.06	13.83	11.99	17.04	12.75	14.57
Arkansas	11.01	10.44	9.16	9.65	11.58	10.48	13.97
California	10.50	10.60	11.53	11.46	11.39	11.38	10.31
Colorado	6.87	6.71	6.48	6.10	8.27	6.48	6.92
Connecticut	12.87	11.74	10.67	10.34	12.50	11.84	12.53
Delaware	11.47	10.24	9.71	10.09	12.62	11.09	14.03
District of Columbia	10.55	10.72	9.53	9.96	11.98	10.25	12.06
Florida	17.98	17.20	16.13	16.92	19.55	19.43	21.87
Georgia	16.27	12.90	10.90	10.74	14.62	13.97	14.73
Hawaii	36.85	36.99	33.65	33.36	40.08	38.28	38.53
Idaho	8.91	8.76	8.20	7.97	8.59	7.87	7.71
Illinois	7.53	7.08	6.30	5.84	7.97	6.30	7.13
Indiana	NA	7.97	6.33	6.50	8.92	6.93	7.34
Iowa	NA	7.33	6.52	6.52	8.51	7.31	8.43
Kansas	11.06	9.41	7.89	7.26	10.17	7.79	7.97
Kentucky	10.30	8.73	7.60	7.83	10.87	9.35	10.99
Louisiana	11.33	10.51	8.70	9.43	10.91	10.90	13.82
Maine	12.57	12.99	13.08	13.12	16.79	13.17	12.75
Maryland	11.48	11.02	9.44	9.93	12.03	13.09	12.69
Massachusetts	12.02	11.70	12.08	11.99	13.02	12.69	11.18
Michigan	7.72	7.69	7.56	7.29	8.81	7.57	7.91
Minnesota	7.59	7.63	7.10	7.02	8.79	7.12	7.67
Mississippi	10.94	9.17	8.09	8.57	9.70	9.70	12.11
Missouri	11.31	9.30	8.12	7.98	11.60	9.51	13.97
Montana	6.75	7.00	6.88	6.80	8.26	6.85	7.39
Nebraska	7.60	6.99	6.49	6.43	8.86	6.83	9.43
Nevada	11.25	10.84	9.75	9.12	11.82	8.96	10.80
New Hampshire	12.22	11.76	12.70	14.05	16.18	15.06	14.11
New Jersey	8.99	8.24	6.86	6.55	8.32	7.80	9.03
New Mexico	7.48	7.06	6.44	6.35	8.63	6.76	8.27
New York	9.87	9.63	9.43	10.28	11.20	11.43	12.26
North Carolina	13.13	12.63	9.07	8.77	11.57	12.87	12.15
North Dakota	6.91	6.31	5.61	5.50	8.15	5.60	6.56
Ohio	8.02	7.14	6.43	6.46	9.51	7.40	9.68
Oklahoma	10.97	8.93	6.82	6.54	10.24	7.34	14.37
Oregon	13.59	11.93	11.91	10.43	12.43	10.84	12.69
Pennsylvania	9.86	9.46	8.60	8.70	11.04	9.82	10.53
Rhode Island	13.42	12.64	12.35	12.73	14.24	13.49	15.48
South Carolina	15.24	13.53	9.79	9.07	12.65	15.36	14.91
South Dakota	6.89	7.16	6.61	6.31	8.30	6.63	8.04
Tennessee	9.50	7.86	7.25	7.38	9.62	9.22	11.74
Texas	11.63	10.02	7.79	7.77	10.62	9.31	15.49
Utah	8.96	9.50	8.79	8.58	9.72	8.75	9.22
Vermont	13.30	12.66	12.53	13.24	14.56	13.84	14.89
Virginia	10.65	10.21	8.78	9.47	11.64	12.14	11.77
Washington	9.45	9.96	10.22	9.18	11.80	9.74	9.87
West Virginia	9.36	8.82	8.31	8.31	10.48	8.86	9.62
Wisconsin	7.58	7.40	7.25	7.46	8.54	7.46	7.98
Wyoming	8.23	7.60	7.61	7.32	9.33	7.05	8.44
Total	9.64	9.19	8.39	8.32	10.38	9.27	10.02

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						
	October	September	August	July	June	May	April
Alabama	19.36	20.73	20.86	20.60	19.61	17.89	15.37
Alaska	9.40	9.81	11.41	11.66	11.29	10.87	10.03
Arizona	20.78	23.02	24.02	23.60	21.54	19.21	18.94
Arkansas	17.62	18.98	19.43	17.76	16.16	13.91	11.66
California	11.54	11.92	11.86	11.69	11.73	11.35	10.93
Colorado	9.31	13.17	13.68	14.38	11.28	9.25	8.07
Connecticut	15.33	21.54	19.36	18.26	17.41	14.40	12.54
Delaware	18.50	23.22	23.75	21.80	20.74	16.05	12.74
District of Columbia	15.52	17.40	17.38	16.93	16.63	14.34	12.16
Florida	23.71	24.76	24.94	24.67	22.91	21.53	19.02
Georgia	19.81	24.96	24.03	24.71	23.63	19.84	15.91
Hawaii	37.46	36.41	37.50	45.21	48.71	45.31	40.85
Idaho	8.90	9.53	10.93	10.69	10.08	9.21	8.86
Illinois	9.70	15.39	16.41	15.13	13.63	11.47	8.42
Indiana	9.29	15.25	17.74	17.99	17.88	13.44	10.66
Iowa	13.18	16.44	17.39	15.71	13.02	10.07	8.50
Kansas	14.33	19.63	20.74	19.33	17.65	14.49	13.64
Kentucky	16.11	21.00	22.21	23.11	21.52	17.11	12.94
Louisiana	15.07	15.86	16.50	15.46	14.98	13.55	11.26
Maine	15.03	21.77	22.85	20.77	17.13	16.58	17.33
Maryland	13.48	19.36	19.04	18.40	18.32	16.78	11.48
Massachusetts	10.75	13.26	13.82	13.29	12.18	12.74	12.71
Michigan	8.96	13.26	13.57	13.69	12.54	10.54	8.89
Minnesota	9.27	12.68	12.93	13.22	13.46	10.59	8.85
Mississippi	13.94	15.36	15.79	14.84	14.40	12.92	10.53
Missouri	20.52	23.90	25.52	24.26	20.79	17.02	12.66
Montana	9.07	11.11	11.86	11.75	10.06	8.48	8.25
Nebraska	13.81	15.57	15.66	14.76	12.18	10.32	9.15
Nevada	14.95	16.14	16.41	16.72	15.51	14.34	13.30
New Hampshire	17.88	22.91	22.68	19.23	16.48	15.12	15.10
New Jersey	10.24	12.30	12.42	11.96	11.35	9.56	7.33
New Mexico	13.08	14.85	14.92	14.55	11.79	9.92	8.92
New York	14.24	17.50	17.30	17.09	16.26	12.68	10.19
North Carolina	14.61	21.77	21.94	21.14	20.97	17.62	14.25
North Dakota	9.57	16.93	19.37	21.03	17.34	10.19	8.59
Ohio	15.37	24.33	25.48	23.85	19.97	13.50	9.15
Oklahoma	23.34	25.17	26.60	23.07	19.17	15.76	12.21
Oregon	13.54	14.45	17.09	16.20	15.54	14.00	11.78
Pennsylvania	12.23	18.26	18.56	17.76	15.77	13.63	10.81
Rhode Island	19.04	21.00	20.94	19.74	17.85	15.79	13.88
South Carolina	16.37	23.95	22.77	24.65	24.58	21.23	16.92
South Dakota	10.43	14.36	14.99	14.53	12.35	9.18	8.46
Tennessee	14.40	17.34	19.64	17.59	16.13	14.17	10.41
Texas	19.18	20.90	21.08	18.26	16.56	15.76	11.59
Utah	10.85	10.89	10.84	10.69	9.90	9.54	9.98
Vermont	18.41	23.16	23.04	21.69	19.41	15.81	13.73
Virginia	15.88	19.54	21.20	20.34	19.54	15.69	11.62
Washington	13.00	14.48	17.17	16.98	16.72	14.22	12.22
West Virginia	12.22	17.56	19.08	19.83	17.05	12.88	10.93
Wisconsin	8.51	12.94	14.20	13.41	13.24	9.38	6.93
Wyoming	12.66	15.66	16.07	15.70	11.34	9.65	9.49
Total	12.60	16.40	16.89	16.28	15.07	12.73	10.44

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

^R Revised data.

^{NA} Not available.

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

Sources: 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 2-Month YTD	2016 2-Month YTD	2015 2-Month YTD	2017		2016 Total	2016 December
				February	January		
Alabama	11.49	9.90	10.88	11.61	11.38	NA	11.25
Alaska	8.74	7.88	8.58	8.69	8.78	8.34	8.75
Arizona	8.21	9.11	11.17	8.23	8.19	8.80	8.00
Arkansas	7.97	7.06	8.89	8.29	7.74	NA	NA
California	9.52	8.24	8.78	9.37	9.64	8.44	9.98
Colorado	6.70	5.88	7.58	6.91	6.56	6.44	6.19
Connecticut	9.04	NA	8.21	9.53	8.62	NA	7.93
Delaware	9.76	8.66	10.15	9.85	9.68	9.58	9.88
District of Columbia	NA	9.38	10.72	NA	NA	NA	NA
Florida	NA	10.65	11.13	NA	11.19	10.58	11.04
Georgia	8.35	6.76	8.29	8.68	8.10	7.66	7.32
Hawaii	28.81	23.92	28.11	29.34	28.33	27.02	27.61
Idaho	6.43	7.13	7.74	6.60	6.34	7.10	6.48
Illinois	7.20	5.69	6.49	7.62	6.93	NA	6.44
Indiana	7.33	5.76	7.17	7.72	7.07	NA	5.66
Iowa	6.45	5.37	6.38	6.44	6.45	NA	5.95
Kansas	8.73	6.94	8.40	9.21	8.41	NA	7.60
Kentucky	8.21	6.53	8.23	8.86	7.76	7.85	7.45
Louisiana	NA	7.93	8.66	NA	NA	NA	8.90
Maine	11.44	11.26	16.22	11.34	11.54	10.70	11.05
Maryland	9.79	8.25	9.60	10.05	9.59	9.06	8.94
Massachusetts	9.84	9.41	12.31	9.92	9.77	9.47	10.06
Michigan	6.71	6.58	7.60	6.83	6.62	6.86	6.57
Minnesota	7.02	6.17	7.52	6.93	7.08	6.42	6.29
Mississippi	9.37	7.77	7.96	9.41	9.34	7.85	8.15
Missouri	7.36	7.03	8.77	7.53	7.24	7.91	7.72
Montana	6.93	6.80	8.36	7.23	6.70	7.09	6.69
Nebraska	6.44	5.45	7.32	6.62	6.30	5.47	5.81
Nevada	5.06	7.40	8.69	5.02	5.09	6.84	5.37
New Hampshire	11.46	10.93	14.89	11.68	11.26	11.36	11.91
New Jersey	9.30	7.71	8.88	8.97	9.58	7.94	8.61
New Mexico	6.29	5.12	6.30	6.41	6.18	5.76	6.13
New York	7.09	6.57	7.34	7.43	6.78	6.09	6.43
North Carolina	9.26	6.80	7.76	9.97	8.79	NA	8.38
North Dakota	5.97	5.18	7.10	6.30	5.73	5.45	5.43
Ohio	6.12	5.25	6.33	6.18	6.07	5.79	5.73
Oklahoma	6.39	5.42	6.97	6.96	6.01	NA	6.88
Oregon	8.15	9.06	10.23	8.32	8.03	NA	7.84
Pennsylvania	8.47	7.22	9.27	8.62	8.35	8.09	7.88
Rhode Island	10.23	10.22	11.16	10.45	10.02	11.16	10.27
South Carolina	10.37	7.98	8.55	10.25	10.47	8.45	9.51
South Dakota	6.08	5.18	6.41	6.48	5.82	5.65	5.73
Tennessee	8.50	6.97	8.39	8.62	8.40	NA	8.21
Texas	7.59	5.90	6.93	7.65	7.54	6.87	7.58
Utah	7.38	7.50	8.44	7.48	7.29	7.43	7.65
Vermont	7.85	7.07	8.93	7.61	8.07	6.63	7.48
Virginia	NA	6.85	8.10	8.81	NA	NA	7.75
Washington	8.04	8.04	10.13	8.15	7.96	NA	7.87
West Virginia	7.17	7.28	8.88	7.20	7.15	7.76	7.11
Wisconsin	6.82	6.48	7.47	6.47	7.05	6.29	6.50
Wyoming	6.74	6.30	7.78	6.97	6.56	6.52	6.51
Total	7.72	6.78	7.97	7.89	7.58	7.25	7.24

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						
	November	October	September	August	July	June	May
Alabama	NA	11.95	11.82	11.88	11.74	11.31	10.62
Alaska	8.68	8.85	8.76	8.78	9.07	8.41	8.00
Arizona	8.19	8.49	8.61	8.62	8.72	8.70	8.78
Arkansas	NA	7.00	6.87	7.28	7.02	7.35	7.23
California	9.29	9.09	9.17	8.76	8.08	7.44	7.35
Colorado	6.63	8.03	8.45	9.30	8.39	7.65	6.16
Connecticut	8.61	10.00	10.65	11.75	11.16	11.82	9.87
Delaware	10.37	11.42	11.86	12.11	11.51	10.87	10.03
District of Columbia	NA	9.76	11.67	12.32	12.12	11.31	10.24
Florida	10.77	10.79	10.72	10.49	10.46	10.40	10.18
Georgia	8.50	8.99	9.22	9.27	9.05	8.44	8.11
Hawaii	25.04	27.71	27.32	25.57	25.24	32.82	30.04
Idaho	6.48	6.97	7.67	7.62	7.70	7.79	7.69
Illinois	8.08	9.03	12.30	NA	12.25	10.92	9.47
Indiana	7.29	7.25	9.50	10.00	10.99	9.37	7.09
Iowa	6.47	6.85	NA	8.13	7.81	7.11	5.81
Kansas	8.48	11.26	13.52	13.72	12.86	12.41	NA
Kentucky	8.89	10.76	11.27	11.97	10.99	10.72	9.14
Louisiana	8.30	8.55	8.37	8.35	NA	7.26	7.33
Maine	10.33	10.35	11.27	10.50	10.46	10.04	9.54
Maryland	10.21	11.04	11.95	11.65	11.50	9.79	8.22
Massachusetts	9.97	9.53	9.72	9.79	9.34	8.48	9.21
Michigan	6.92	7.56	9.00	9.22	8.71	8.17	7.04
Minnesota	6.26	6.71	7.86	7.77	7.88	7.06	6.38
Mississippi	8.62	8.15	7.60	7.53	7.65	7.08	7.56
Missouri	9.22	9.61	9.89	10.48	10.40	9.41	8.56
Montana	7.25	7.62	8.95	9.08	8.59	7.74	6.93
Nebraska	5.89	5.79	5.95	6.02	5.32	5.08	4.73
Nevada	5.78	6.24	6.87	6.89	7.22	7.08	7.04
New Hampshire	11.98	13.58	16.21	16.40	16.48	13.28	11.22
New Jersey	9.24	8.79	8.74	8.72	8.68	7.72	7.15
New Mexico	6.68	6.94	7.44	7.25	6.94	6.14	5.54
New York	5.62	5.57	5.27	5.26	5.54	5.72	5.98
North Carolina	8.07	7.98	8.21	NA	8.79	8.54	8.04
North Dakota	5.60	5.82	6.74	7.30	7.01	6.69	5.37
Ohio	6.07	7.23	7.30	8.13	7.56	6.96	6.10
Oklahoma	NA	14.50	14.80	15.07	13.84	12.34	10.91
Oregon	9.11	9.05	9.66	10.18	NA	11.57	10.74
Pennsylvania	8.24	9.09	10.94	10.76	10.99	10.56	8.85
Rhode Island	11.48	14.53	16.35	15.78	15.43	13.58	11.51
South Carolina	9.05	9.06	8.59	8.52	8.74	7.82	7.46
South Dakota	5.98	6.31	7.17	7.91	6.99	6.47	5.08
Tennessee	9.04	NA	9.07	9.49	8.68	8.28	7.60
Texas	8.22	8.49	8.13	8.24	7.50	6.70	6.82
Utah	7.50	6.71	6.84	7.10	7.01	6.84	6.77
Vermont	7.07	6.19	6.33	5.59	5.87	5.51	6.71
Virginia	NA	7.89	8.84	8.57	8.36	7.81	7.32
Washington	8.31	8.49	9.14	9.54	9.06	NA	7.82
West Virginia	7.52	8.73	10.01	10.29	10.16	9.80	9.02
Wisconsin	6.48	5.87	6.56	6.55	6.98	5.26	5.30
Wyoming	6.74	6.83	7.11	6.80	6.90	7.01	6.45
Total	6.60	7.93	8.27	8.25	8.10	7.69	7.28

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		
	April	March	February	January	Total	December	November
Alabama	10.63	10.20	9.85	9.97	11.26	10.95	11.70
Alaska	7.90	7.87	7.87	7.88	8.01	7.54	7.59
Arizona	9.07	9.74	9.32	8.94	10.53	9.17	9.36
Arkansas	6.97	7.23	6.86	7.28	8.43	7.43	8.01
California	7.19	8.18	8.49	8.04	8.04	8.29	7.25
Colorado	5.98	5.94	5.97	5.81	7.47	6.10	6.40
Connecticut	9.37	7.93	7.29	NA	8.60	8.22	8.51
Delaware	9.33	8.79	8.58	8.75	10.70	9.15	10.82
District of Columbia	10.24	10.21	9.30	9.50	11.07	9.59	10.81
Florida	10.27	10.48	10.61	10.69	10.92	11.05	10.83
Georgia	7.89	7.33	6.98	6.58	8.58	7.88	9.81
Hawaii	28.09	27.26	23.66	24.18	31.17	28.72	28.13
Idaho	7.80	7.59	7.20	7.08	7.59	7.10	6.91
Illinois	6.99	6.50	5.88	5.54	7.29	6.03	6.66
Indiana	NA	6.94	5.59	RS.91	7.61	6.19	6.07
Iowa	5.54	5.80	5.40	5.35	6.50	5.70	6.43
Kansas	NA	8.91	7.22	6.72	8.87	7.11	7.28
Kentucky	7.96	7.07	6.36	6.70	8.75	7.69	8.58
Louisiana	7.19	7.77	7.77	8.10	8.07	8.01	7.80
Maine	9.71	10.79	11.16	11.36	14.16	11.11	10.30
Maryland	8.32	8.82	8.14	8.37	9.80	10.23	9.37
Massachusetts	9.44	9.13	9.49	9.33	10.81	9.99	8.56
Michigan	6.54	6.54	6.61	6.54	7.51	6.61	6.85
Minnesota	RS.15	RS.41	RS.23	RS.13	7.31	6.12	6.21
Mississippi	8.09	7.87	7.59	7.98	7.86	7.76	8.02
Missouri	7.93	7.23	6.96	7.10	9.14	7.87	9.85
Montana	6.64	6.92	6.87	6.76	8.13	6.85	7.32
Nebraska	5.00	5.39	5.47	5.42	6.40	5.23	5.55
Nevada	7.25	7.59	7.48	7.34	8.66	7.37	7.82
New Hampshire	9.96	9.55	10.47	11.46	13.63	12.39	11.15
New Jersey	6.80	7.50	7.66	7.76	8.50	8.22	8.64
New Mexico	5.33	5.27	5.09	5.14	6.32	5.28	6.09
New York	6.16	6.39	6.58	6.57	6.85	6.78	6.32
North Carolina	7.80	8.56	6.99	6.65	8.27	9.83	8.40
North Dakota	4.62	5.21	5.16	5.20	6.62	5.17	5.61
Ohio	5.30	5.27	5.25	5.26	6.39	5.33	5.81
Oklahoma	8.11	6.80	5.43	5.40	8.12	6.07	10.65
Oregon	9.83	9.42	9.37	8.84	10.09	9.36	8.64
Pennsylvania	8.06	8.16	7.31	7.14	9.32	8.07	8.21
Rhode Island	10.79	10.32	10.10	10.37	11.99	10.97	12.89
South Carolina	8.39	8.39	8.16	7.83	8.49	10.21	8.47
South Dakota	4.95	5.60	5.36	5.05	6.22	5.38	5.37
Tennessee	7.59	7.01	7.00	6.93	8.46	8.32	8.71
Texas	6.12	6.15	5.83	5.97	6.95	6.56	7.29
Utah	7.37	7.91	7.55	7.46	7.97	7.53	7.33
Vermont	6.60	6.22	7.00	7.14	7.89	7.37	6.65
Virginia	6.72	7.26	6.75	6.95	8.13	7.94	7.59
Washington	7.73	7.76	8.35	7.82	9.77	8.08	8.33
West Virginia	7.90	7.58	7.31	7.25	9.14	7.64	7.93
Wisconsin	5.98	6.07	6.36	6.59	6.78	6.25	6.47
Wyoming	6.46	6.47	6.35	6.26	7.43	6.22	6.67
Total	6.94	RS.04	RS.83	6.74	7.91	7.22	7.39

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						
	October	September	August	July	June	May	April
Alabama	11.63	11.99	12.17	12.13	12.07	11.76	11.78
Alaska	7.86	7.21	8.23	8.14	8.62	7.85	8.03
Arizona	10.15	10.41	10.53	10.68	10.84	10.76	10.85
Arkansas	7.86	8.44	8.64	8.25	8.36	8.30	8.13
California	7.75	7.90	7.93	7.74	7.72	7.03	7.89
Colorado	7.73	9.17	9.33	9.41	8.39	7.63	8.18
Connecticut	9.57	10.58	9.56	9.33	10.13	9.47	8.57
Delaware	12.54	13.93	13.86	13.35	12.71	11.90	10.60
District of Columbia	11.19	11.02	10.71	10.68	11.24	11.80	11.78
Florida	10.74	11.27	11.02	10.86	11.03	10.56	10.62
Georgia	8.74	9.47	9.16	9.20	9.10	8.69	8.68
Hawaii	27.06	28.60	30.45	36.02	38.76	36.86	32.56
Idaho	7.63	7.98	8.10	8.39	7.97	7.91	7.92
Illinois	8.26	12.57	12.77	11.61	11.56	10.12	7.69
Indiana	6.21	8.06	10.80	10.94	11.19	10.32	8.89
Iowa	6.50	8.10	8.91	8.42	7.30	6.48	6.23
Kansas	9.43	12.52	12.03	12.47	12.49	10.84	10.24
Kentucky	9.37	10.49	11.27	11.91	11.47	10.90	10.01
Louisiana	7.77	7.74	7.85	7.87	7.83	7.65	7.76
Maine	8.48	11.27	12.08	11.96	11.22	13.00	15.39
Maryland	9.78	10.88	11.37	10.76	11.50	11.27	9.33
Massachusetts	7.35	8.52	8.99	8.93	8.34	10.24	11.21
Michigan	7.48	9.06	9.19	9.33	8.92	7.92	7.27
Minnesota	6.44	7.74	8.05	8.19	8.88	7.35	7.55
Mississippi	7.85	7.88	7.71	7.82	7.86	7.86	8.00
Missouri	11.05	10.74	11.89	11.91	11.17	10.38	9.34
Montana	8.54	9.73	9.81	9.79	9.16	8.28	8.24
Nebraska	5.78	6.29	6.11	5.90	5.39	5.42	6.24
Nevada	8.58	9.10	9.07	9.45	9.64	9.64	9.24
New Hampshire	12.30	14.76	14.78	13.74	12.55	12.26	12.85
New Jersey	8.08	8.21	8.76	8.64	8.33	7.84	7.31
New Mexico	7.67	7.65	7.65	7.52	6.77	6.89	6.16
New York	6.24	5.96	5.72	6.05	6.80	6.65	7.24
North Carolina	7.96	9.38	9.04	9.26	9.08	8.85	8.27
North Dakota	6.11	7.82	8.76	8.63	8.26	6.58	6.55
Ohio	6.55	7.71	7.73	7.85	7.53	7.03	6.41
Oklahoma	14.04	14.68	15.00	13.46	12.61	11.23	9.20
Oregon	10.49	10.43	11.45	11.07	11.27	11.09	10.00
Pennsylvania	8.80	11.00	11.14	12.00	11.18	10.65	9.79
Rhode Island	15.76	17.13	17.02	16.64	15.41	13.02	11.73
South Carolina	8.08	8.40	8.16	8.45	8.50	8.06	8.38
South Dakota	5.78	7.20	7.28	7.36	6.91	6.46	6.36
Tennessee	8.92	9.36	9.85	9.34	9.02	9.04	8.68
Texas	7.71	7.75	7.67	7.54	6.57	6.89	6.66
Utah	7.33	7.29	7.30	7.26	7.38	7.48	8.18
Vermont	6.20	6.97	6.91	6.10	6.78	8.53	9.02
Virginia	8.04	8.93	8.60	8.57	9.14	9.08	8.19
Washington	10.28	10.55	11.44	11.40	11.05	10.64	10.16
West Virginia	9.95	11.47	11.89	11.48	12.44	10.70	9.54
Wisconsin	5.49	6.32	6.58	6.56	6.88	5.65	5.21
Wyoming	7.18	7.84	7.58	7.77	7.92	7.69	7.61
Total	7.78	8.42	8.45	8.49	8.52	8.13	8.02

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		
	March	February	January
Alabama	10.69	10.81	10.95
Alaska	8.14	8.43	8.70
Arizona	11.41	11.76	10.73
Arkansas	8.40	8.93	8.87
California	8.70	8.58	8.96
Colorado	7.87	7.45	7.68
Connecticut	7.61	7.86	8.60
Delaware	10.26	10.11	10.19
District of Columbia	11.94	10.36	11.16
Florida	10.73	11.07	11.19
Georgia	8.02	8.15	8.44
Hawaii	31.08	30.83	25.72
Idaho	7.93	7.77	7.71
Illinois	6.82	6.15	6.83
Indiana	8.53	6.87	7.49
Iowa	6.44	6.22	6.55
Kansas	9.02	8.01	8.72
Kentucky	7.96	8.18	8.28
Louisiana	8.07	8.55	8.76
Maine	15.90	16.03	16.45
Maryland	9.22	9.38	9.83
Massachusetts	10.58	11.99	12.70
Michigan	7.35	7.52	7.69
Minnesota	8.35	7.17	7.88
Mississippi	7.66	7.88	8.04
Missouri	8.18	8.70	8.84
Montana	8.04	8.25	8.45
Nebraska	6.52	6.94	7.65
Nevada	8.94	8.82	8.60
New Hampshire	13.46	14.33	15.54
New Jersey	8.55	8.74	9.05
New Mexico	5.78	5.92	6.63
New York	7.11	7.18	7.52
North Carolina	7.17	7.27	8.28
North Dakota	6.76	6.78	7.41
Ohio	6.22	6.21	6.45
Oklahoma	6.60	7.01	6.95
Oregon	10.74	10.45	10.07
Pennsylvania	9.12	9.27	9.27
Rhode Island	11.13	11.11	11.23
South Carolina	7.86	8.15	8.96
South Dakota	6.54	6.32	6.48
Tennessee	7.33	8.21	8.58
Texas	6.41	6.54	7.25
Utah	8.51	8.77	8.23
Vermont	8.88	8.94	8.93
Virginia	7.64	7.66	8.59
Washington	10.12	10.14	10.11
West Virginia	8.97	8.88	8.87
Wisconsin	7.20	7.42	7.53
Wyoming	7.87	8.06	7.59
Total	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 2-Month YTD	2016 2-Month YTD	2015 2-Month YTD	2017		2016 Total	2016 December
				February	January		
Alabama	4.89	3.66	4.80	4.67	5.08	NA	NA
Alaska	6.99	5.51	7.02	6.99	6.99	5.06	5.21
Arizona	6.14	6.32	7.37	6.07	6.21	5.75	5.89
Arkansas	6.72	5.91	7.89	6.70	6.73	5.65	6.61
California	8.25	6.82	7.17	8.03	8.45	6.90	8.58
Colorado	5.40	4.37	6.07	5.47	5.35	NA	4.79
Connecticut	7.59	5.91	7.20	7.99	7.25	6.09	6.09
Delaware	9.01	8.05	10.11	9.10	8.93	NA	9.10
District of Columbia	--	--	--	--	--	--	--
Florida	NA	6.16	7.70	NA	6.11	5.71	5.54
Georgia	5.18	3.98	5.17	4.95	5.41	4.01	4.76
Hawaii	17.33	15.34	19.44	17.83	16.90	15.70	16.57
Idaho	4.60	5.43	6.15	4.63	4.56	5.19	4.51
Illinois	6.14	4.35	5.57	6.16	6.13	NA	5.16
Indiana	5.91	4.63	7.04	6.05	5.80	4.87	5.15
Iowa	5.04	NA	5.97	5.04	5.05	NA	4.97
Kansas	5.94	6.39	6.34	5.76	6.16	3.64	5.21
Kentucky	4.75	3.78	5.29	4.62	4.87	3.67	4.38
Louisiana	NA	2.99	3.77	NA	4.45	NA	NA
Maine	9.34	8.49	15.21	9.35	9.33	7.69	9.45
Maryland	9.82	8.44	9.85	10.00	9.67	8.87	9.04
Massachusetts	8.90	8.29	11.27	9.02	8.80	7.94	9.03
Michigan	5.92	5.89	7.02	6.05	5.82	NA	5.71
Minnesota	4.89	4.27	5.86	4.73	5.01	4.09	4.54
Mississippi	NA	4.58	5.83	NA	5.67	4.38	4.74
Missouri	NA	5.92	7.78	NA	7.45	6.02	6.68
Montana	6.33	6.06	7.78	6.52	6.17	5.65	5.76
Nebraska	5.08	4.28	4.59	5.49	4.69	3.95	4.42
Nevada	4.36	6.56	8.07	4.37	4.35	5.89	4.59
New Hampshire	10.20	9.31	13.26	10.27	10.13	8.59	10.11
New Jersey	NA	6.90	8.51	NA	NA	NA	7.94
New Mexico	NA	4.14	5.52	NA	4.96	4.17	4.85
New York	7.08	6.29	7.22	7.35	6.81	5.97	6.17
North Carolina	6.69	5.44	7.29	6.68	6.69	5.39	6.07
North Dakota	3.74	2.59	3.89	3.43	3.93	2.57	3.38
Ohio	5.22	4.37	5.35	5.10	5.34	NA	5.14
Oklahoma	5.91	6.94	7.52	6.45	5.53	NA	6.11
Oregon	5.32	5.54	6.70	5.37	5.28	5.49	5.31
Pennsylvania	7.94	6.93	8.86	8.01	7.88	NA	7.72
Rhode Island	8.19	8.52	9.06	8.35	8.06	8.70	8.00
South Carolina	5.73	4.78	5.86	5.22	6.20	4.46	5.63
South Dakota	5.40	4.67	5.79	5.43	5.36	4.78	4.78
Tennessee	5.79	4.69	5.96	5.71	5.86	4.40	5.27
Texas	3.65	2.43	3.25	3.44	3.84	2.65	3.35
Utah	6.00	6.25	6.69	5.97	6.02	5.51	5.88
Vermont	5.86	5.16	5.95	5.67	6.02	5.20	5.68
Virginia	NA	4.36	5.51	NA	5.11	4.16	4.51
Washington	7.37	7.45	9.52	7.59	7.19	7.39	7.30
West Virginia	2.26	2.27	3.53	2.37	2.14	NA	2.22
Wisconsin	5.99	5.60	6.73	5.54	6.31	5.03	5.64
Wyoming	NA	3.71	6.13	4.04	NA	NA	NA
Total	4.77	3.62	4.79	4.62	4.89	3.51	4.32

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						
	November	October	September	August	July	June	May
Alabama	4.32	4.24	NA	3.81	3.98	3.34	2.97
Alaska	4.83	4.53	4.45	5.64	5.17	4.58	3.69
Arizona	5.77	5.56	5.51	6.02	5.76	4.93	5.59
Arkansas	5.72	4.70	5.17	5.96	5.35	5.46	5.29
California	7.59	7.38	7.47	7.02	6.40	5.89	5.93
Colorado	5.17	NA	NA	7.03	6.21	5.50	4.28
Connecticut	5.63	5.98	6.08	6.17	6.19	6.05	6.58
Delaware	NA	NA	NA	10.31	NA	8.93	8.62
District of Columbia	--	--	--	--	--	--	--
Florida	5.71	6.07	5.29	5.71	5.39	5.25	5.14
Georgia	4.28	4.33	4.42	4.25	4.14	3.54	3.50
Hawaii	16.80	15.85	15.65	16.03	16.51	16.92	15.05
Idaho	4.61	4.62	5.40	5.46	5.43	5.46	5.44
Illinois	5.76	5.66	NA	7.08	NA	5.43	NA
Indiana	5.23	4.91	5.72	5.93	5.70	4.96	4.10
Iowa	4.51	4.76	4.78	4.18	4.49	4.28	3.92
Kansas	R4.49	3.59	R3.65	R3.51	R3.44	3.27	R3.34
Kentucky	4.17	4.05	3.87	3.59	3.89	2.91	3.26
Louisiana	NA	3.50	3.33	3.15	3.37	2.47	2.55
Maine	8.83	5.99	6.13	5.99	5.58	5.55	5.78
Maryland	9.55	10.78	10.05	12.61	13.92	9.88	7.42
Massachusetts	8.76	7.46	6.51	6.80	6.76	6.59	7.79
Michigan	5.62	6.20	NA	6.06	6.39	6.00	5.76
Minnesota	R4.25	R4.19	R4.11	4.09	R4.31	R3.61	R3.51
Mississippi	4.85	4.63	4.54	4.52	3.89	3.88	3.75
Missouri	R6.42	5.79	R5.87	6.09	6.70	5.78	5.29
Montana	5.54	5.45	5.67	6.32	4.84	6.18	4.82
Nebraska	4.17	3.92	3.99	3.89	3.60	3.29	3.20
Nevada	5.06	5.20	5.87	5.79	6.51	6.10	5.99
New Hampshire	9.06	7.58	8.06	8.21	8.24	7.14	7.48
New Jersey	7.89	7.00	7.57	NA	NA	7.12	6.12
New Mexico	4.28	4.71	4.53	4.27	3.91	3.49	3.38
New York	5.71	5.58	5.30	5.75	5.61	5.60	5.77
North Carolina	5.42	5.23	5.23	5.16	5.11	5.05	5.07
North Dakota	2.80	2.86	2.82	3.68	2.98	2.09	1.91
Ohio	5.66	6.30	6.67	6.71	NA	NA	5.53
Oklahoma	9.58	8.10	8.82	NA	NA	NA	9.14
Oregon	5.51	5.46	5.43	5.43	5.29	6.49	5.14
Pennsylvania	8.32	8.43	8.62	5.77	9.13	NA	NA
Rhode Island	8.83	9.01	9.16	9.22	8.91	8.76	8.91
South Carolina	5.06	4.75	4.63	4.50	4.73	3.80	3.78
South Dakota	4.94	5.09	6.12	6.01	5.20	4.78	4.33
Tennessee	4.76	4.67	4.46	4.31	4.38	3.65	3.75
Texas	2.94	3.22	3.16	3.01	2.98	2.16	2.14
Utah	5.17	4.96	4.93	5.00	5.02	5.10	5.14
Vermont	5.20	5.13	5.14	5.31	5.61	4.97	5.13
Virginia	4.20	4.15	4.20	4.28	3.91	4.06	3.84
Washington	7.17	7.12	7.26	7.69	7.67	8.07	7.25
West Virginia	2.12	2.21	2.06	2.00	2.03	2.11	2.02
Wisconsin	5.33	4.63	4.60	4.28	4.63	3.44	3.97
Wyoming	NA	4.12	NA	2.77	NA	NA	NA
Total	3.86	3.87	3.73	3.58	R3.57	R2.88	R2.90

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		
	April	March	February	January	Total	December	November
Alabama	3.22	3.21	3.66	3.65	4.08	3.61	3.45
Alaska	6.36	6.75	6.74	4.88	6.86	6.84	6.77
Arizona	5.72	5.86	6.17	6.46	6.78	6.39	6.30
Arkansas	5.35	5.85	5.86	5.96	6.91	5.64	5.99
California	5.79	6.77	7.01	6.66	6.41	6.99	5.83
Colorado	4.39	4.99	4.53	4.24	5.74	4.52	5.20
Connecticut	6.84	5.84	5.71	6.10	6.35	6.58	5.85
Delaware	7.85	8.29	7.98	8.14	10.11	8.32	9.62
District of Columbia	--	--	--	--	--	--	--
Florida	5.66	6.22	6.05	6.30	6.43	6.10	6.22
Georgia	3.45	3.46	3.95	4.02	4.42	3.86	3.76
Hawaii	14.45	13.73	14.45	16.17	19.03	15.06	17.68
Idaho	5.50	5.46	5.46	5.41	5.83	5.40	4.93
Illinois	4.89	4.69	4.50	4.24	5.47	4.65	4.59
Indiana	4.39	4.67	4.85	R4.44	6.36	4.79	4.42
Iowa	4.28	4.68	NA	5.30	5.28	4.61	5.26
Kansas	3.40	R4.24	R6.18	R6.67	4.24	5.61	4.62
Kentucky	2.87	3.38	3.71	3.86	4.45	3.65	3.51
Louisiana	2.48	2.39	2.92	3.06	3.31	2.98	2.74
Maine	8.46	8.51	8.52	8.46	8.95	8.50	8.20
Maryland	7.63	8.62	8.52	8.37	9.70	10.84	10.90
Massachusetts	8.04	7.98	8.36	8.21	9.22	8.90	7.31
Michigan	5.59	5.61	5.96	5.82	6.60	5.78	5.76
Minnesota	R3.42	R3.80	R4.25	R4.30	4.87	4.24	4.13
Mississippi	4.03	4.31	4.55	4.62	4.75	4.18	4.31
Missouri	5.77	5.84	6.02	5.80	7.58	6.91	6.97
Montana	5.40	5.52	6.27	5.88	6.53	5.54	6.16
Nebraska	3.69	4.23	4.23	4.32	4.56	4.79	4.08
Nevada	6.21	6.73	6.65	6.49	8.07	6.61	7.12
New Hampshire	7.90	7.98	8.96	9.60	10.33	9.87	7.53
New Jersey	5.60	7.52	6.81	7.02	8.09	7.52	7.09
New Mexico	3.45	3.75	4.05	4.24	4.62	4.26	4.60
New York	5.93	6.25	6.29	6.28	6.62	6.27	6.01
North Carolina	5.29	5.66	5.57	5.30	6.34	5.87	5.73
North Dakota	2.09	2.10	2.83	2.43	3.13	2.88	2.58
Ohio	NA	4.20	4.29	4.46	5.35	4.65	4.74
Oklahoma	8.07	5.61	5.42	9.95	7.51	6.18	7.90
Oregon	5.24	5.59	5.59	5.50	6.28	5.50	5.58
Pennsylvania	6.72	7.21	6.81	7.07	8.59	7.62	8.47
Rhode Island	8.77	8.40	8.44	8.61	9.26	8.22	9.48
South Carolina	3.41	3.79	4.46	5.12	4.64	4.25	4.09
South Dakota	4.10	4.50	4.51	4.83	5.34	4.56	4.56
Tennessee	3.80	4.24	4.73	4.65	5.06	4.58	4.47
Texas	2.08	1.88	2.39	2.45	2.89	2.38	2.28
Utah	5.68	5.97	6.44	6.07	5.93	6.01	5.35
Vermont	4.93	4.96	5.17	5.14	5.50	5.81	5.42
Virginia	3.56	4.13	4.22	4.51	5.02	4.48	3.95
Washington	7.31	7.39	7.64	7.30	8.91	7.30	7.89
West Virginia	2.76	NA	2.35	2.17	3.17	2.58	2.13
Wisconsin	5.05	4.94	5.45	5.74	5.65	5.43	5.37
Wyoming	3.87	3.56	3.66	3.76	5.07	4.01	4.63
Total	2.99	3.04	3.63	3.62	3.91	3.45	3.26

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						
	October	September	August	July	June	May	April
Alabama	3.61	3.82	4.05	3.96	4.08	3.69	4.13
Alaska	6.85	6.83	6.82	6.78	6.84	6.86	6.70
Arizona	6.32	6.58	6.55	6.76	6.86	6.54	6.96
Arkansas	6.43	6.44	6.59	6.61	6.09	6.41	6.84
California	5.94	6.15	6.12	6.08	6.29	5.51	6.45
Colorado	6.03	6.22	6.65	7.39	6.58	5.32	5.49
Connecticut	5.75	6.58	5.64	5.86	6.01	6.18	6.77
Delaware	11.15	11.40	11.38	10.89	9.09	9.78	9.56
District of Columbia	--	--	--	--	--	--	--
Florida	6.30	6.09	6.04	6.70	5.78	5.88	6.05
Georgia	4.14	4.28	4.38	4.34	4.41	4.14	4.22
Hawaii	17.99	19.09	19.29	21.57	20.94	19.68	19.40
Idaho	5.77	5.93	6.09	6.10	5.85	5.86	5.93
Illinois	5.39	6.19	5.96	6.06	5.94	5.66	5.75
Indiana	4.27	5.21	5.85	6.29	5.70	6.14	9.14
Iowa	4.56	6.17	5.11	5.45	4.77	4.76	4.47
Kansas	4.18	3.90	3.95	4.00	4.08	4.17	4.43
Kentucky	3.86	3.94	4.13	4.43	4.60	4.27	4.51
Louisiana	3.14	3.29	3.47	3.44	3.39	2.93	3.22
Maine	4.56	4.72	4.81	4.68	4.61	5.50	14.71
Maryland	9.52	8.76	9.99	11.89	12.71	10.17	8.08
Massachusetts	5.51	6.26	6.91	6.66	6.90	8.73	9.67
Michigan	6.33	6.75	7.02	6.44	6.78	6.59	6.21
Minnesota	4.24	4.17	4.68	4.53	4.62	4.19	4.55
Mississippi	4.27	4.52	4.00	4.54	4.36	4.46	4.75
Missouri	7.17	7.96	7.29	7.88	7.52	7.33	7.95
Montana	5.87	7.00	5.93	6.41	4.89	6.49	7.00
Nebraska	4.12	4.27	4.33	4.27	3.83	4.13	5.53
Nevada	7.72	8.58	8.16	8.71	9.18	9.06	8.71
New Hampshire	5.48	5.10	6.05	6.14	7.16	8.31	10.89
New Jersey	7.34	8.31	8.75	8.19	8.13	7.82	7.87
New Mexico	4.69	4.70	4.60	4.53	4.44	4.11	4.52
New York	5.57	5.83	5.33	5.86	6.00	6.54	7.21
North Carolina	6.04	6.14	5.87	5.95	5.83	5.67	6.11
North Dakota	2.76	2.81	2.95	3.11	2.90	2.81	3.01
Ohio	5.61	6.64	6.09	5.40	7.24	5.71	5.28
Oklahoma	9.90	12.85	8.77	8.63	8.96	6.31	9.41
Oregon	6.41	6.38	6.39	6.30	6.25	6.29	6.25
Pennsylvania	8.93	10.37	10.35	10.06	10.21	9.59	8.25
Rhode Island	9.92	9.79	10.09	9.61	9.38	9.75	9.20
South Carolina	4.26	4.37	4.59	4.47	4.56	4.19	4.36
South Dakota	5.13	6.04	5.73	5.71	5.14	5.50	5.42
Tennessee	4.45	4.63	4.79	4.80	4.87	4.83	4.99
Texas	2.77	2.95	3.13	3.07	3.04	2.82	2.88
Utah	5.24	5.30	5.32	5.20	5.72	5.94	6.50
Vermont	5.58	4.65	4.53	5.90	5.17	5.23	5.29
Virginia	4.69	4.86	4.56	4.81	5.08	5.33	5.15
Washington	8.70	9.23	9.33	10.04	9.45	9.21	9.55
West Virginia	3.21	3.19	3.23	3.22	3.18	3.16	3.29
Wisconsin	4.69	4.56	4.91	4.54	5.07	4.42	4.46
Wyoming	4.56	4.75	4.75	4.63	5.20	5.02	5.36
Total	3.52	3.63	3.77	3.73	3.74	3.56	3.94

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		
	March	February	January
Alabama	4.69	4.95	4.66
Alaska	6.88	7.08	6.97
Arizona	7.15	7.51	7.25
Arkansas	7.70	7.90	7.88
California	6.89	6.77	7.68
Colorado	6.20	6.15	6.01
Connecticut	5.81	6.52	7.89
Delaware	10.20	10.25	9.91
District of Columbia	--	--	--
Florida	6.53	7.12	8.40
Georgia	5.02	4.98	5.34
Hawaii	18.66	18.33	20.25
Idaho	6.01	6.14	6.16
Illinois	5.74	5.13	6.02
Indiana	7.18	6.69	7.52
Iowa	5.67	5.63	6.40
Kansas	5.75	5.82	6.98
Kentucky	5.22	5.21	5.37
Louisiana	3.48	3.66	3.87
Maine	15.12	15.22	15.20
Maryland	8.81	9.64	10.06
Massachusetts	9.60	10.86	11.74
Michigan	6.70	6.98	7.06
Minnesota	5.82	5.83	5.89
Mississippi	5.75	5.49	6.16
Missouri	7.79	7.65	7.92
Montana	7.25	7.38	8.18
Nebraska	5.39	4.34	4.84
Nevada	8.32	8.27	7.94
New Hampshire	12.09	12.47	14.13
New Jersey	7.96	8.26	8.81
New Mexico	4.93	5.06	5.84
New York	7.21	7.05	7.43
North Carolina	6.69	7.52	7.06
North Dakota	3.77	3.86	3.92
Ohio	5.22	5.44	5.26
Oklahoma	6.57	7.40	7.62
Oregon	6.65	6.72	6.69
Pennsylvania	7.85	8.96	8.74
Rhode Island	9.00	9.01	9.12
South Carolina	4.96	5.99	5.77
South Dakota	5.31	5.52	6.04
Tennessee	5.69	5.75	6.18
Texas	3.00	3.10	3.37
Utah	6.72	6.74	6.65
Vermont	5.98	6.25	5.70
Virginia	5.32	5.28	5.76
Washington	8.91	9.40	9.63
West Virginia	3.49	3.37	3.79
Wisconsin	6.40	6.67	6.78
Wyoming	5.17	5.40	6.48
Total	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	2016	2015	2017		2016	
	2-Month YTD	2-Month YTD	2-Month YTD	February	January	Total	December
Alabama	W	W	W	W	W	W	W
Alaska	8.09	6.45	5.75	8.09	8.09	6.65	7.21
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	W	2.98	3.83	W	W	3.22	4.05
Colorado	W	W	W	W	W	W	W
Connecticut	7.10	5.88	10.45	5.84	8.10	3.67	5.49
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.66	W	W	4.38	4.92	3.86	W
Georgia	W	W	W	W	W	3.08	W
Hawaii	--	--	--	--	--	--	--
Idaho	--	2.48	3.03	--	--	2.92	4.05
Illinois	W	W	W	W	W	2.88	W
Indiana	W	W	W	W	W	W	W
Iowa	5.02	2.77	4.84	4.85	5.12	2.81	3.83
Kansas	4.88	4.24	4.75	4.82	4.92	3.48	5.05
Kentucky	W	W	W	5.96	W	W	W
Louisiana	W	W	W	W	W	2.76	W
Maine	W	W	W	W	W	W	W
Maryland	4.79	4.90	W	4.25	5.50	2.97	4.98
Massachusetts	W	4.09	12.88	W	W	3.22	7.03
Michigan	3.44	2.51	3.86	3.18	3.63	2.81	3.93
Minnesota	4.11	W	W	3.49	4.49	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	3.26	W	W	3.05	3.43	W	W
Montana	2.31	--	--	2.25	2.36	--	--
Nebraska	--	3.14	4.60	6.48	5.61	3.31	4.75
Nevada	4.11	2.89	3.82	3.80	4.37	3.02	3.77
New Hampshire	W	W	W	W	W	W	W
New Jersey	3.87	2.93	7.77	3.64	4.06	2.20	4.01
New Mexico	3.86	2.75	3.44	3.65	4.02	3.07	4.21
New York	5.01	3.60	7.92	4.54	5.41	2.76	5.47
North Carolina	W	W	W	W	W	W	W
North Dakota	5.66	2.34	2.84	4.80	6.31	2.74	3.58
Ohio	3.56	2.10	3.12	3.26	3.84	2.36	3.41
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	3.20	W	W	W	W
Pennsylvania	3.69	2.52	6.07	3.21	4.12	1.95	3.52
Rhode Island	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W
South Dakota	--	2.30	2.99	--	--	2.62	3.92
Tennessee	3.45	2.46	3.40	3.09	3.82	2.61	3.44
Texas	3.31	2.37	3.18	3.12	3.47	2.67	3.44
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W
Washington	5.17	W	4.27	5.57	4.95	W	W
West Virginia	W	2.14	W	W	W	W	5.87
Wisconsin	W	W	W	W	W	W	W
Wyoming	W	--	7.34	W	4.04	8.29	8.65
Total	4.05	3.01	4.62	3.74	4.32	2.99	4.16

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						
	November	October	September	August	July	June	May
Alabama	W	W	W	W	W	W	W
Alaska	6.91	6.86	6.52	6.49	6.81	7.10	6.43
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	3.27	3.43	3.59	3.45	3.48	2.98	W
Colorado	W	W	W	W	W	W	W
Connecticut	3.34	2.45	2.92	3.09	3.13	2.33	2.39
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.95	3.72	3.43	W
Georgia	3.15	3.59	3.59	3.33	3.30	3.03	2.44
Hawaii	--	--	--	--	--	--	--
Idaho	4.66	4.78	3.38	2.89	2.83	2.47	2.41
Illinois	W	3.18	3.29	3.07	3.05	W	2.25
Indiana	W	W	W	W	W	W	W
Iowa	3.02	3.00	3.00	2.94	2.83	2.63	2.10
Kansas	3.28	3.96	3.52	3.53	3.26	3.07	3.15
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	3.08	2.63	W
Maine	--	W	W	W	W	W	W
Maryland	3.67	2.75	2.47	2.97	2.94	3.01	2.50
Massachusetts	4.59	3.36	2.97	3.18	2.86	2.34	2.11
Michigan	2.77	3.19	3.32	3.12	3.04	2.75	2.28
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	3.17	3.54	3.70	3.48	3.41	3.32	2.77
Nevada	3.35	3.46	3.39	3.23	3.38	2.57	2.54
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.45	1.86	1.70	1.92	2.09	2.13	1.95
New Mexico	3.06	3.30	3.43	3.30	3.31	2.87	2.47
New York	2.95	1.98	2.18	2.54	2.75	2.38	2.12
North Carolina	W	W	W	W	W	W	W
North Dakota	2.74	3.10	3.07	2.98	2.88	2.63	2.04
Ohio	2.32	2.30	2.59	2.55	2.80	2.32	2.03
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.10	1.29	1.51	1.68	1.86	1.90	1.65
Rhode Island	W	W	W	W	2.92	W	2.23
South Carolina	W	W	W	W	W	W	W
South Dakota	2.50	3.38	3.39	2.94	2.87	2.53	2.10
Tennessee	2.84	3.15	2.91	2.69	2.74	2.37	1.96
Texas	2.71	3.24	3.13	2.94	2.95	2.62	2.17
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	2.83	1.69	1.97	W	3.21	2.00	2.03
Wisconsin	W	W	W	W	W	W	W
Wyoming	12.43	4,893.63	10.24	5.57	--	17.60	12.15
Total	3.14	3.24	3.19	3.07	3.07	2.77	2.49

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				Total	2015	
	April	March	February	January		December	November
Alabama	W	W	W	W	3.06	W	W
Alaska	6.47	6.34	6.43	6.47	5.40	5.44	5.48
Arizona	W	W	W	W	3.43	W	W
Arkansas	W	W	W	W	W	W	W
California	2.47	2.59	2.85	3.08	3.39	2.95	2.94
Colorado	W	W	W	W	3.81	W	W
Connecticut	2.74	4.63	5.63	6.12	4.73	5.06	5.14
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	4.41	3.98	3.90
Georgia	2.40	2.23	W	W	3.27	W	2.64
Hawaii	--	--	--	--	--	--	--
Idaho	11.72	2.26	2.25	2.67	2.89	2.41	2.72
Illinois	2.24	2.31	W	W	W	W	W
Indiana	W	W	W	W	W	W	W
Iowa	2.61	2.23	2.57	2.96	3.23	2.60	5.06
Kansas	3.16	2.84	4.22	4.26	3.95	4.66	4.03
Kentucky	W	W	3.35	W	W	W	2.50
Louisiana	W	W	W	W	W	W	W
Maine	W	W	W	W	W	W	W
Maryland	2.40	2.69	5.64	3.59	4.06	3.13	3.11
Massachusetts	2.99	1.99	3.46	4.73	4.38	2.53	3.62
Michigan	2.31	2.14	2.37	2.66	3.21	2.17	2.56
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	2.44	2.34	2.81	3.52	3.97	3.63	3.37
Nevada	2.40	2.30	2.78	2.98	3.34	3.00	2.85
New Hampshire	W	W	W	W	W	W	W
New Jersey	1.76	1.62	2.83	3.02	2.96	1.71	1.80
New Mexico	2.69	2.56	2.57	2.91	3.21	2.46	2.64
New York	2.36	2.22	3.41	3.76	3.51	2.96	2.69
North Carolina	W	W	W	W	W	W	W
North Dakota	2.09	1.90	2.22	2.45	2.89	2.07	2.08
Ohio	2.01	1.63	2.00	2.20	2.42	1.91	2.09
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	1.61	1.43	2.33	2.70	2.52	1.55	1.59
Rhode Island	W	W	W	W	W	W	3.50
South Carolina	W	W	W	W	W	W	W
South Dakota	2.07	1.82	2.08	2.57	3.31	2.25	2.92
Tennessee	1.96	2.05	2.33	2.58	2.74	2.33	2.31
Texas	2.14	1.91	2.19	2.53	2.88	2.23	2.30
Utah	W	W	W	2.81	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	3.55	W	W
Washington	W	W	W	W	W	W	W
West Virginia	2.12	1.92	2.07	2.22	W	1.52	1.90
Wisconsin	W	W	W	W	W	W	W
Wyoming	5.88	4.39	7.69	13.31	5.18	7.01	4.13
Total	2.52	2.33	2.83	3.17	3.37	2.71	2.78

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						
	October	September	August	July	June	May	April
Alabama	2.78	3.07	3.13	3.25	3.17	3.26	W
Alaska	5.45	5.48	5.21	5.19	5.14	4.86	5.47
Arizona	W	W	3.47	3.54	3.47	3.73	W
Arkansas	W	W	W	W	W	W	W
California	3.18	3.29	3.52	3.53	3.51	3.44	3.34
Colorado	W	W	W	W	W	W	W
Connecticut	3.17	3.08	2.69	2.48	2.19	2.30	2.99
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.31	4.46	4.45	4.43	4.52	4.39	W
Georgia	2.85	3.31	3.36	3.40	3.38	3.57	3.28
Hawaii	--	--	--	--	--	--	--
Idaho	2.92	3.01	2.92	2.85	2.74	3.08	3.05
Illinois	W	3.12	W	W	3.04	W	W
Indiana	W	W	W	W	W	W	W
Iowa	2.89	2.98	3.12	3.06	3.07	3.18	2.98
Kansas	4.88	3.68	3.70	3.52	3.68	4.33	4.32
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	3.20	W	W	W	W
Maine	W	W	W	W	W	W	W
Maryland	3.05	3.18	4.07	3.73	3.09	3.25	2.58
Massachusetts	4.31	4.14	3.08	2.57	3.18	3.16	3.36
Michigan	2.91	3.32	3.40	3.30	3.18	3.25	3.24
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	3.22	3.38	5.08	3.81	3.59	4.01	3.63
Nevada	3.24	3.30	3.38	3.43	3.43	3.21	3.27
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.00	2.08	2.20	2.07	2.34	2.32	2.43
New Mexico	3.11	3.13	3.28	3.86	3.61	3.26	3.03
New York	2.60	2.51	2.61	2.56	2.71	2.76	2.82
North Carolina	W	W	W	W	W	W	W
North Dakota	2.67	3.09	3.03	2.87	2.70	2.71	2.75
Ohio	2.17	2.26	2.25	2.30	2.20	2.38	2.23
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	2.66
Pennsylvania	1.71	2.00	1.80	2.02	1.83	2.01	2.02
Rhode Island	3.74	2.78	2.42	2.40	1.96	2.15	3.41
South Carolina	W	W	W	W	W	W	W
South Dakota	2.90	3.31	4.23	3.78	3.53	3.06	3.46
Tennessee	2.47	2.61	2.71	2.74	2.75	2.28	2.66
Texas	2.66	2.88	3.01	3.03	2.98	3.02	2.82
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	2.82	W
Washington	W	W	W	W	W	W	3.50
West Virginia	W	W	1.94	2.07	2.48	2.41	W
Wisconsin	W	W	W	W	W	W	W
Wyoming	5.08	4.46	6.95	5.28	4.77	3.80	15.03
Total	3.03	3.19	3.22	3.23	3.24	3.28	3.23

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		
	March	February	January
Alabama	W	W	W
Alaska	5.41	5.49	5.95
Arizona	W	W	W
Arkansas	W	W	W
California	3.50	3.73	3.91
Colorado	W	W	4.72
Connecticut	6.91	12.82	8.77
Delaware	--	--	--
District of Columbia	--	--	--
Florida	W	4.78	W
Georgia	3.42	W	W
Hawaii	--	--	--
Idaho	16.18	--	3.03
Illinois	W	4.81	W
Indiana	W	W	W
Iowa	3.43	4.70	4.98
Kansas	4.06	4.50	5.25
Kentucky	W	W	W
Louisiana	W	W	W
Maine	W	W	W
Maryland	W	W	6.65
Massachusetts	8.64	13.60	12.21
Michigan	3.57	4.11	3.61
Minnesota	W	W	W
Mississippi	W	W	W
Missouri	W	W	W
Montana	--	--	--
Nebraska	4.02	4.90	4.48
Nevada	3.45	3.54	4.10
New Hampshire	W	W	W
New Jersey	3.67	9.88	5.80
New Mexico	3.09	3.11	3.71
New York	4.48	9.93	6.24
North Carolina	W	W	W
North Dakota	2.73	2.93	2.74
Ohio	2.75	3.31	2.92
Oklahoma	W	W	W
Oregon	2.85	3.12	3.24
Pennsylvania	3.06	8.29	4.28
Rhode Island	W	W	9.99
South Carolina	W	W	W
South Dakota	2.77	3.05	2.94
Tennessee	3.35	3.27	3.59
Texas	3.02	3.09	3.26
Utah	W	3.37	W
Vermont	--	--	--
Virginia	W	W	W
Washington	4.41	3.46	4.63
West Virginia	2.64	W	2.95
Wisconsin	W	W	W
Wyoming	5.54	9.15	5.89
Total	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 2-Month YTD			2016 2-Month YTD			2015 2-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	81.1	26.6	100.0	81.1	25.1	100.0	82.5	24.1
Alaska	100.0	99.2	100.0	100.0	99.1	100.0	100.0	95.6	100.0
Arizona	NA	85.4	13.9	100.0	86.5	13.8	100.0	86.7	15.7
Arkansas	100.0	49.6	1.9	100.0	50.2	1.7	100.0	55.5	2.3
California	NA	56.9	4.9	95.1	54.1	4.9	94.7	52.7	4.5
Colorado	100.0	94.5	9.0	100.0	95.2	9.8	100.0	95.4	9.5
Connecticut	96.6	78.5	51.9	96.6	NA	51.5	96.7	78.8	49.0
Delaware	100.0	44.7	0.6	100.0	45.7	0.4	100.0	52.6	0.5
District of Columbia	NA	NA	0.0	74.8	22.2	--	74.4	23.9	0.0
Florida	NA	NA	NA	97.7	32.0	3.6	97.7	33.1	3.2
Georgia	100.0	100.0	26.7	100.0	100.0	21.6	100.0	100.0	21.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	85.2	2.9	100.0	82.0	2.3	100.0	81.5	3.0
Illinois	86.0	38.4	9.2	87.1	40.5	9.8	87.2	42.7	10.7
Indiana	95.8	68.0	2.6	95.9	70.5	2.9	95.9	72.3	3.2
Iowa	100.0	74.1	4.0	100.0	76.1	NA	100.0	76.4	5.0
Kansas	100.0	65.9	NA	100.0	67.3	1.0	100.0	69.2	2.2
Kentucky	96.5	82.2	19.0	96.8	83.4	17.6	96.5	84.3	16.8
Louisiana	100.0	NA	NA	100.0	79.7	3.6	100.0	81.5	3.4
Maine	100.0	64.0	10.8	100.0	60.7	NA	100.0	59.3	3.5
Maryland	NA	32.4	13.2	74.7	30.4	13.2	73.4	32.8	15.8
Massachusetts	98.5	47.2	26.2	99.1	48.6	25.1	99.5	53.1	31.6
Michigan	93.1	61.4	9.9	92.9	60.3	9.6	93.0	62.1	11.7
Minnesota	100.0	91.5	19.6	100.0	87.4	19.4	100.0	88.3	17.7
Mississippi	100.0	86.5	NA	100.0	88.3	10.1	99.7	89.8	9.3
Missouri	100.0	NA	NA	100.0	77.6	15.1	100.0	76.7	18.5
Montana	99.4	55.7	2.7	99.7	54.2	1.9	99.7	55.6	1.8
Nebraska	87.6	60.0	8.2	88.0	60.8	8.7	88.2	60.2	9.6
Nevada	100.0	69.2	19.3	100.0	68.7	19.3	100.0	67.8	16.9
New Hampshire	100.0	56.6	7.3	100.0	57.4	NA	100.0	61.8	15.1
New Jersey	94.5	NA	NA	94.2	46.9	10.4	92.9	50.1	12.0
New Mexico	100.0	60.6	NA	100.0	61.9	4.7	100.0	61.5	4.1
New York	100.0	100.0	7.7	100.0	100.0	7.6	100.0	100.0	7.8
North Carolina	100.0	86.2	13.4	100.0	88.8	13.3	100.0	90.0	13.9
North Dakota	100.0	94.3	32.0	100.0	94.6	27.3	100.0	94.9	42.2
Ohio	NA	100.0	2.4	100.0	100.0	2.7	100.0	100.0	3.4
Oklahoma	100.0	53.0	1.2	100.0	51.5	0.9	100.0	51.5	1.2
Oregon	100.0	95.5	17.8	100.0	95.2	17.1	100.0	95.9	17.6
Pennsylvania	NA	40.4	1.8	87.4	42.0	1.9	86.4	45.5	2.2
Rhode Island	100.0	54.0	NA	100.0	54.8	3.7	100.0	56.5	7.6
South Carolina	100.0	92.5	41.6	100.0	94.2	40.3	100.0	93.9	41.1
South Dakota	100.0	84.4	6.6	100.0	83.5	6.8	100.0	84.3	6.7
Tennessee	100.0	91.3	24.1	100.0	91.8	28.7	100.0	93.2	30.4
Texas	NA	NA	NA	99.8	77.6	39.5	99.8	78.8	38.7
Utah	100.0	79.1	4.2	100.0	81.9	6.1	100.0	82.2	7.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	NA	90.7	59.1	12.3	90.5	62.1	15.0
Washington	100.0	88.8	8.8	100.0	88.0	8.0	100.0	87.3	7.4
West Virginia	100.0	60.0	9.6	100.0	63.8	15.1	100.0	66.1	14.7
Wisconsin	100.0	78.1	20.2	100.0	78.2	20.2	100.0	78.5	22.5
Wyoming	71.4	50.5	NA	71.2	51.4	2.3	71.6	51.6	2.8
Total	95.9	69.6	15.1	96.0	70.0	15.3	95.7	70.9	15.2

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						2016		
	February			January			Total		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	81.8	26.7	100.0	80.5	26.6	100.0	NA	NA
Alaska	100.0	99.1	100.0	100.0	99.2	100.0	100.0	98.4	100.0
Arizona	NA	85.7	14.2	100.0	85.2	13.6	100.0	82.7	15.9
Arkansas	100.0	46.7	2.0	100.0	51.8	1.8	100.0	NA	1.5
California	95.1	57.0	5.0	NA	56.7	4.8	95.1	51.2	3.9
Colorado	100.0	94.2	9.0	100.0	94.6	8.9	100.0	94.1	NA
Connecticut	96.5	76.8	51.8	96.7	79.9	52.0	96.2	NA	49.4
Delaware	100.0	44.6	0.6	100.0	44.7	0.6	100.0	37.2	NA
District of Columbia	NA	NA	0.0	NA	NA	0.0	NA	NA	0.0
Florida	NA	NA	NA	NA	29.5	3.2	97.6	29.9	3.3
Georgia	100.0	100.0	27.7	100.0	100.0	25.7	NA	100.0	22.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	82.5	3.2	100.0	87.0	2.7	100.0	75.0	2.4
Illinois	85.4	37.0	8.4	86.4	39.4	9.8	86.7	NA	NA
Indiana	95.7	66.8	2.5	95.9	68.8	2.7	NA	NA	1.8
Iowa	100.0	73.3	3.5	100.0	74.7	4.5	100.0	NA	NA
Kansas	100.0	63.6	NA	100.0	67.6	1.5	NA	NA	8.2
Kentucky	96.3	80.7	19.3	96.7	83.2	18.7	96.9	78.0	17.6
Louisiana	100.0	NA	NA	100.0	NA	NA	100.0	NA	NA
Maine	100.0	64.6	10.6	100.0	63.4	10.9	NA	NA	NA
Maryland	75.2	32.3	12.8	NA	32.5	13.5	NA	25.9	NA
Massachusetts	98.5	46.2	24.9	98.5	48.1	27.4	98.9	41.6	23.0
Michigan	93.0	59.7	9.0	93.3	62.8	10.7	92.9	55.3	NA
Minnesota	100.0	92.2	17.6	100.0	91.1	21.4	100.0	84.9	15.4
Mississippi	100.0	84.9	NA	100.0	87.7	9.7	NA	84.2	9.6
Missouri	100.0	NA	NA	100.0	79.0	NA	100.0	71.8	NA
Montana	99.3	55.5	2.7	99.4	55.9	2.7	99.6	47.7	NA
Nebraska	87.6	59.4	8.2	87.7	60.4	8.2	87.5	58.3	6.1
Nevada	100.0	69.3	20.0	100.0	69.1	18.7	100.0	58.5	NA
New Hampshire	100.0	56.3	7.2	100.0	57.0	7.4	100.0	53.7	NA
New Jersey	94.5	NA	NA	94.4	NA	NA	94.3	37.3	NA
New Mexico	100.0	64.1	NA	100.0	57.7	5.6	100.0	54.2	9.2
New York	100.0	100.0	7.9	100.0	100.0	7.6	100.0	100.0	5.8
North Carolina	100.0	84.4	12.6	100.0	87.4	14.1	100.0	NA	10.9
North Dakota	100.0	94.1	27.4	100.0	94.5	35.6	100.0	92.8	30.3
Ohio	NA	100.0	2.6	100.0	100.0	2.3	100.0	100.0	NA
Oklahoma	100.0	52.3	1.1	100.0	53.4	1.4	100.0	NA	NA
Oregon	100.0	95.1	17.6	100.0	95.8	17.9	100.0	NA	15.4
Pennsylvania	87.4	39.7	1.6	NA	41.0	1.9	87.6	37.3	NA
Rhode Island	100.0	53.4	NA	100.0	54.6	4.0	100.0	52.8	3.3
South Carolina	100.0	92.0	42.9	100.0	92.9	40.5	100.0	91.6	41.2
South Dakota	100.0	83.6	6.6	100.0	85.0	6.6	100.0	80.5	4.5
Tennessee	100.0	91.0	23.8	100.0	91.6	24.4	100.0	NA	26.6
Texas	99.8	NA	38.7	NA	NA	NA	NA	NA	NA
Utah	100.0	77.1	4.1	100.0	80.8	4.2	100.0	76.1	5.5
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NA	100.0
Virginia	89.5	53.6	NA	NA	NA	13.5	NA	NA	NA
Washington	100.0	88.0	8.5	100.0	89.5	9.0	NA	NA	6.3
West Virginia	100.0	59.3	10.3	100.0	60.6	9.0	100.0	50.8	NA
Wisconsin	100.0	76.8	18.6	100.0	79.0	21.5	100.0	70.9	16.0
Wyoming	71.0	49.5	1.1	71.7	51.3	NA	NA	52.3	NA
Total	95.9	68.4	15.1	96.0	70.5	15.0	95.9	64.9	14.8

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								
	December			November			October		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	76.2	NA	100.0	NA	24.6	100.0	69.7	25.3
Alaska	100.0	99.1	100.0	100.0	98.9	100.0	100.0	97.5	100.0
Arizona	100.0	83.6	14.1	100.0	80.4	15.2	100.0	78.2	18.5
Arkansas	100.0	NA	1.4	100.0	NA	1.9	100.0	25.8	1.5
California	95.4	54.1	4.1	95.7	52.2	4.5	95.0	49.7	4.3
Colorado	100.0	95.6	9.4	100.0	94.6	7.6	100.0	92.3	NA
Connecticut	96.4	77.6	52.9	95.9	75.7	49.6	95.1	72.7	47.9
Delaware	100.0	36.1	0.5	100.0	29.5	NA	100.0	22.8	NA
District of Columbia	73.8	NA	0.0	NA	NA	0.0	69.9	16.0	0.0
Florida	97.5	29.3	3.3	97.2	29.6	3.4	97.4	29.2	3.1
Georgia	100.0	100.0	24.4	100.0	100.0	23.5	100.0	100.0	22.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	85.4	2.6	100.0	75.5	2.4	100.0	67.2	2.2
Illinois	88.2	40.1	9.7	88.1	33.7	5.6	87.1	28.9	4.1
Indiana	96.0	70.8	2.3	95.9	66.5	1.6	95.0	63.7	1.5
Iowa	100.0	74.0	4.2	100.0	69.2	5.8	100.0	65.9	4.3
Kansas	NA	64.4	11.8	NA	50.4	4.6	100.0	37.6	5.7
Kentucky	97.5	82.4	18.1	98.1	73.8	16.6	98.0	69.3	16.9
Louisiana	100.0	76.8	NA	100.0	75.0	NA	100.0	73.6	3.2
Maine	100.0	61.2	12.0	100.0	54.3	11.8	100.0	49.8	6.9
Maryland	NA	29.9	NA	75.9	24.0	7.2	74.4	21.2	2.7
Massachusetts	98.7	46.4	23.5	98.7	38.9	19.7	98.6	31.5	19.3
Michigan	93.3	60.8	9.0	93.2	54.8	5.6	93.1	48.7	3.5
Minnesota	100.0	89.6	18.3	100.0	87.8	18.2	100.0	83.3	16.7
Mississippi	100.0	86.5	9.2	100.0	80.7	9.4	100.0	81.0	10.9
Missouri	100.0	75.6	13.9	100.0	64.1	10.5	100.0	61.3	NA
Montana	99.5	49.3	2.2	99.5	41.7	1.3	99.6	40.6	NA
Nebraska	86.0	56.9	6.4	85.2	47.5	5.6	88.1	57.0	5.2
Nevada	100.0	65.4	NA	100.0	55.7	13.6	100.0	50.0	11.9
New Hampshire	100.0	54.5	6.7	100.0	51.0	4.6	100.0	47.2	2.7
New Jersey	94.4	39.2	9.1	94.4	38.9	5.3	94.6	30.5	3.2
New Mexico	100.0	52.4	10.1	99.9	40.4	14.2	100.0	43.2	13.6
New York	100.0	100.0	5.9	100.0	100.0	4.6	100.0	100.0	4.6
North Carolina	100.0	85.6	12.3	100.0	83.3	10.6	100.0	77.7	9.2
North Dakota	100.0	94.2	26.9	100.0	92.8	34.9	100.0	90.7	38.0
Ohio	100.0	100.0	2.2	100.0	100.0	1.3	100.0	100.0	0.8
Oklahoma	100.0	38.0	0.7	100.0	NA	0.2	100.0	25.5	0.2
Oregon	100.0	95.6	17.0	100.0	94.3	16.1	100.0	94.3	15.0
Pennsylvania	88.0	40.3	1.6	88.9	38.2	0.8	88.1	33.0	0.5
Rhode Island	100.0	54.5	3.6	100.0	51.7	2.7	100.0	54.0	3.5
South Carolina	100.0	92.6	39.1	100.0	91.6	40.9	100.0	90.1	41.4
South Dakota	100.0	83.3	6.7	100.0	80.8	6.7	100.0	76.4	3.1
Tennessee	100.0	89.6	24.6	100.0	85.0	24.0	100.0	NA	23.1
Texas	99.7	74.9	37.1	99.5	64.4	37.8	99.7	62.8	38.2
Utah	100.0	80.8	5.0	100.0	67.9	4.4	100.0	66.7	4.5
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	62.3	14.3	91.7	NA	11.1	89.9	45.9	NA
Washington	100.0	90.3	8.0	100.0	86.5	6.7	100.0	85.4	5.4
West Virginia	100.0	60.6	10.8	100.0	50.8	8.0	100.0	39.0	14.6
Wisconsin	100.0	77.5	19.7	100.0	70.1	17.0	100.0	61.9	14.9
Wyoming	74.6	58.6	NA	74.0	53.4	NA	77.6	55.8	1.5
Total	96.0	68.2	14.7	96.0	63.6	14.5	95.9	60.0	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								
	September			August			July		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	73.8	NA	100.0	72.1	24.5	100.0	72.5	24.2
Alaska	100.0	96.5	100.0	100.0	96.6	100.0	100.0	96.2	100.0
Arizona	100.0	79.5	19.8	100.0	79.6	14.3	100.0	80.6	18.5
Arkansas	100.0	28.4	1.5	100.0	26.9	1.1	100.0	26.4	1.2
California	94.8	47.0	3.1	94.4	43.3	3.2	94.9	47.4	3.3
Colorado	100.0	90.6	NA	100.0	89.1	4.3	100.0	90.9	4.6
Connecticut	95.6	71.8	48.8	95.6	69.6	49.8	96.0	71.0	50.0
Delaware	100.0	23.4	NA	100.0	24.2	0.2	100.0	26.5	NA
District of Columbia	68.7	13.6	0.0	69.4	14.8	0.0	70.2	15.3	--
Florida	97.7	28.0	3.2	97.8	29.6	3.2	97.8	27.0	3.1
Georgia	NA	100.0	21.0	100.0	100.0	23.9	100.0	100.0	22.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	59.6	2.2	100.0	61.4	2.5	100.0	58.9	2.4
Illinois	86.1	22.1	NA	86.0	NA	2.2	85.7	22.0	NA
Indiana	95.6	56.2	1.0	95.6	50.7	1.0	95.1	53.6	0.9
Iowa	100.0	NA	3.0	100.0	49.1	2.6	100.0	53.8	2.2
Kansas	100.0	30.4	R12.8	100.0	29.6	21.4	100.0	32.1	R18.0
Kentucky	97.6	66.8	17.3	97.6	64.7	17.6	97.2	67.3	18.2
Louisiana	100.0	76.0	3.1	100.0	75.4	3.1	100.0	NA	2.9
Maine	NA	NA	5.1	100.0	47.4	5.7	100.0	49.9	5.6
Maryland	73.5	16.8	2.5	71.7	18.4	1.7	71.5	16.0	1.3
Massachusetts	98.7	24.2	19.5	98.6	23.7	18.4	98.6	27.3	20.6
Michigan	93.6	38.9	NA	92.1	32.8	2.5	92.9	38.4	2.3
Minnesota	100.0	R74.3	12.4	100.0	R73.8	R12.1	100.0	R71.9	R11.2
Mississippi	100.0	80.3	10.9	100.0	81.2	9.0	100.0	79.6	8.8
Missouri	100.0	R60.8	R9.2	100.0	R59.7	R8.4	100.0	R60.3	R8.1
Montana	99.5	37.2	NA	99.5	37.6	NA	99.5	39.5	NA
Nebraska	88.0	54.1	5.1	90.0	55.8	4.5	88.6	55.9	4.4
Nevada	100.0	48.5	NA	100.0	47.4	NA	100.0	49.0	NA
New Hampshire	100.0	47.2	1.9	100.0	47.4	2.4	100.0	44.2	2.7
New Jersey	94.2	19.4	2.2	94.2	16.5	NA	94.2	22.4	NA
New Mexico	100.0	45.7	10.2	99.9	46.0	13.1	100.0	47.6	10.7
New York	100.0	100.0	4.2	100.0	100.0	4.0	100.0	100.0	5.3
North Carolina	100.0	76.5	10.1	100.0	NA	9.0	100.0	75.2	9.1
North Dakota	100.0	88.8	39.1	100.0	86.1	9.7	100.0	86.6	16.3
Ohio	100.0	100.0	0.7	100.0	100.0	0.7	100.0	100.0	NA
Oklahoma	100.0	27.5	0.4	100.0	26.9	NA	100.0	29.3	NA
Oregon	100.0	92.9	14.9	100.0	92.9	13.8	100.0	NA	13.5
Pennsylvania	88.1	27.2	0.4	87.8	28.0	0.4	87.6	26.8	0.3
Rhode Island	100.0	54.2	2.7	100.0	55.6	2.3	100.0	53.9	3.5
South Carolina	100.0	89.2	42.1	100.0	90.0	40.3	100.0	89.4	40.3
South Dakota	100.0	72.1	1.9	100.0	69.1	1.9	100.0	73.0	2.4
Tennessee	100.0	79.1	24.6	100.0	77.7	26.8	100.0	79.8	25.6
Texas	99.8	62.5	40.0	99.8	61.3	NA	99.8	64.2	NA
Utah	100.0	62.4	5.1	100.0	60.4	4.9	100.0	66.2	5.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.8	37.3	8.5	87.5	42.8	7.8	87.7	39.9	9.3
Washington	100.0	81.4	5.0	100.0	78.5	4.5	100.0	81.1	4.3
West Virginia	100.0	29.7	13.7	100.0	27.0	11.8	100.0	29.0	10.6
Wisconsin	100.0	51.7	11.9	100.0	49.4	12.2	100.0	48.0	11.5
Wyoming	72.1	51.8	NA	75.6	53.2	1.9	NA	52.4	NA
Total	96.1	R56.2	14.6	95.8	54.9	14.7	95.9	57.0	14.3

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	2016								
	June			May			April		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	73.4	21.8	100.0	73.2	24.3	100.0	75.9	21.5
Alaska	100.0	97.0	100.0	100.0	98.0	100.0	100.0	98.5	100.0
Arizona	100.0	81.6	20.3	100.0	81.5	15.2	100.0	83.1	14.5
Arkansas	100.0	26.3	1.1	100.0	27.7	1.1	100.0	38.3	1.4
California	94.6	48.4	3.8	95.1	53.3	3.7	94.6	54.2	4.0
Colorado	100.0	91.4	5.3	100.0	93.3	7.1	100.0	93.6	7.1
Connecticut	95.3	71.1	44.5	95.4	73.2	46.4	96.2	75.9	47.1
Delaware	100.0	31.2	0.2	100.0	35.9	0.1	100.0	40.8	0.1
District of Columbia	70.3	15.8	--	70.6	17.0	--	71.8	18.7	--
Florida	97.8	28.3	3.5	97.8	30.3	3.2	97.4	30.4	3.2
Georgia	100.0	100.0	23.2	100.0	100.0	21.6	100.0	100.0	22.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	59.8	2.5	100.0	62.4	2.3	100.0	67.4	2.4
Illinois	86.3	23.8	NA	82.9	24.9	NA	84.7	32.6	5.4
Indiana	95.0	54.1	1.0	95.2	59.6	1.3	NA	NA	1.8
Iowa	100.0	57.3	2.4	100.0	62.0	3.5	100.0	69.7	3.4
Kansas	100.0	35.3	R13.2	100.0	NA	R5.5	100.0	NA	R7.7
Kentucky	96.3	66.9	19.0	96.2	71.0	17.5	96.2	75.6	18.3
Louisiana	100.0	78.1	3.0	100.0	75.8	3.0	100.0	79.4	3.5
Maine	100.0	50.8	NA	100.0	56.6	NA	100.0	60.5	NA
Maryland	72.3	20.0	2.0	71.6	24.3	4.0	73.6	25.3	6.0
Massachusetts	98.5	28.7	20.8	98.7	36.9	21.5	98.9	43.5	24.7
Michigan	92.3	41.1	2.6	92.3	49.5	4.4	92.8	57.7	6.6
Minnesota	100.0	R75.9	R10.6	100.0	82.2	R13.7	100.0	R82.8	11.1
Mississippi	NA	79.9	8.8	100.0	80.2	8.3	NA	82.7	9.2
Missouri	100.0	R62.1	R8.8	100.0	R63.6	R8.7	100.0	R70.9	R12.1
Montana	99.5	44.0	NA	99.5	43.9	1.2	99.6	52.3	NA
Nebraska	87.7	56.6	5.7	85.3	56.4	6.2	86.0	58.4	6.3
Nevada	100.0	51.6	9.2	100.0	53.1	10.7	100.0	55.5	11.7
New Hampshire	100.0	46.5	NA	100.0	50.7	NA	100.0	53.4	NA
New Jersey	94.4	24.3	3.0	94.5	31.5	3.3	94.3	42.8	5.5
New Mexico	99.9	51.5	8.9	100.0	55.3	7.5	100.0	55.9	7.6
New York	100.0	100.0	5.0	100.0	100.0	5.6	100.0	100.0	5.5
North Carolina	100.0	77.3	9.2	100.0	77.9	9.5	100.0	81.0	10.7
North Dakota	100.0	85.0	37.8	100.0	90.4	39.8	100.0	92.7	22.9
Ohio	100.0	100.0	NA	100.0	100.0	0.9	100.0	100.0	NA
Oklahoma	100.0	31.9	NA	100.0	29.6	0.2	100.0	41.9	0.4
Oregon	100.0	93.0	13.6	100.0	93.6	13.7	100.0	93.7	15.0
Pennsylvania	87.1	27.1	NA	86.9	30.2	NA	87.3	35.0	0.9
Rhode Island	100.0	46.6	3.7	100.0	47.1	3.1	100.0	51.2	3.1
South Carolina	100.0	90.7	42.5	100.0	89.4	41.2	100.0	89.9	42.6
South Dakota	100.0	72.3	3.0	100.0	77.0	3.6	100.0	80.5	4.6
Tennessee	100.0	79.9	26.5	100.0	83.7	27.8	100.0	86.0	28.5
Texas	NA	NA	41.4	99.8	63.0	42.1	99.8	69.3	40.8
Utah	100.0	67.5	6.2	100.0	69.4	6.4	100.0	75.9	6.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.9	43.5	7.6	88.5	47.7	11.0	88.7	51.3	8.5
Washington	NA	NA	4.4	100.0	81.4	5.3	100.0	81.4	6.3
West Virginia	100.0	28.7	11.8	100.0	32.4	13.7	100.0	52.0	11.5
Wisconsin	100.0	57.5	13.0	100.0	58.7	12.1	100.0	72.1	15.1
Wyoming	72.6	45.8	NA	73.2	52.5	NA	71.9	50.6	NA
Total	95.7	R58.1	14.6	95.4	R60.4	14.6	95.6	65.1	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								
	March			February			January		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	81.9	24.1	100.0	84.2	25.9	100.0	77.2	24.3
Alaska	100.0	99.0	100.0	100.0	99.0	100.0	100.0	99.2	100.0
Arizona	100.0	83.3	14.3	100.0	85.7	14.0	100.0	87.1	13.5
Arkansas	100.0	46.4	1.7	100.0	53.1	1.8	100.0	47.2	1.6
California	94.9	52.5	3.7	94.9	53.4	4.8	95.2	54.6	5.0
Colorado	100.0	94.6	8.8	100.0	94.6	9.5	100.0	95.7	10.1
Connecticut	96.4	79.9	49.4	96.6	80.7	52.1	96.6	NA	50.9
Delaware	100.0	47.8	0.4	100.0	49.4	0.5	100.0	41.6	0.3
District of Columbia	74.7	22.9	--	74.8	22.0	--	74.8	22.6	--
Florida	97.6	31.4	3.4	97.9	32.7	4.2	97.5	31.2	3.0
Georgia	100.0	100.0	21.8	100.0	100.0	22.4	100.0	100.0	20.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	76.5	2.3	100.0	80.3	2.3	100.0	83.3	2.4
Illinois	84.5	35.3	7.4	86.5	39.8	9.1	87.5	41.1	10.3
Indiana	95.3	64.0	2.1	95.9	70.2	2.7	95.9	70.8	3.1
Iowa	100.0	69.8	4.3	100.0	75.2	NA	100.0	76.9	4.3
Kansas	100.0	49.9	4.2	100.0	65.8	1.2	100.0	68.6	0.8
Kentucky	95.9	79.7	17.1	96.4	83.5	18.4	97.2	83.3	16.8
Louisiana	100.0	81.0	3.4	100.0	81.0	3.8	100.0	78.3	3.4
Maine	100.0	60.0	NA	100.0	61.4	NA	100.0	60.1	NA
Maryland	72.5	28.4	8.9	74.4	30.5	12.5	75.0	30.3	14.0
Massachusetts	99.0	49.2	28.9	99.1	49.4	27.0	99.2	47.7	23.3
Michigan	92.5	58.7	8.5	92.8	60.0	9.9	93.0	60.5	9.4
Minnesota	100.0	83.5	17.2	100.0	86.5	21.7	100.0	88.2	17.4
Mississippi	100.0	86.0	11.0	100.0	88.1	11.6	100.0	88.5	8.6
Missouri	100.0	77.3	13.9	100.0	76.4	16.0	100.0	78.9	14.2
Montana	99.6	47.3	NA	99.7	52.0	1.9	99.7	55.8	1.9
Nebraska	89.2	63.4	7.5	89.6	61.2	8.6	86.5	60.4	8.9
Nevada	100.0	59.7	12.5	100.0	67.7	17.8	100.0	69.5	20.7
New Hampshire	100.0	55.8	NA	100.0	57.3	NA	100.0	57.4	10.0
New Jersey	94.4	41.2	9.8	94.2	46.4	12.1	94.2	47.4	8.8
New Mexico	100.0	58.8	5.7	100.0	64.2	4.7	100.0	60.0	4.7
New York	100.0	100.0	7.6	100.0	100.0	8.3	100.0	100.0	7.0
North Carolina	100.0	81.5	12.2	100.0	88.0	13.9	100.0	89.4	12.7
North Dakota	100.0	93.5	30.6	100.0	94.4	23.6	100.0	94.6	30.4
Ohio	100.0	100.0	2.0	100.0	100.0	2.9	100.0	100.0	2.6
Oklahoma	100.0	45.7	0.7	100.0	54.3	1.2	100.0	49.3	0.5
Oregon	100.0	94.5	16.3	100.0	94.9	16.9	100.0	95.4	17.3
Pennsylvania	87.1	37.7	1.4	87.1	41.6	2.1	87.7	42.5	1.7
Rhode Island	100.0	52.7	4.0	100.0	53.6	3.6	100.0	56.3	3.9
South Carolina	100.0	90.7	43.7	100.0	93.4	42.3	100.0	94.8	38.4
South Dakota	100.0	80.5	5.9	100.0	82.3	6.8	100.0	84.4	6.8
Tennessee	100.0	90.0	30.0	100.0	92.5	29.3	100.0	91.2	28.2
Texas	99.8	71.9	41.0	99.8	76.4	38.7	99.8	78.6	40.3
Utah	100.0	77.6	5.9	100.0	80.7	5.9	100.0	82.9	6.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.1	51.4	9.4	90.2	57.9	13.8	91.3	60.4	11.1
Washington	100.0	87.4	7.9	100.0	86.7	7.6	100.0	89.0	8.3
West Virginia	100.0	54.7	NA	100.0	63.6	16.7	100.0	64.0	13.5
Wisconsin	100.0	73.8	16.6	100.0	76.8	20.3	100.0	79.5	20.1
Wyoming	73.5	49.6	NA	71.8	52.0	2.3	70.6	50.9	2.3
Total	95.6	66.8	15.3	95.9	69.5	15.4	96.0	70.5	15.3

^R Revised data.

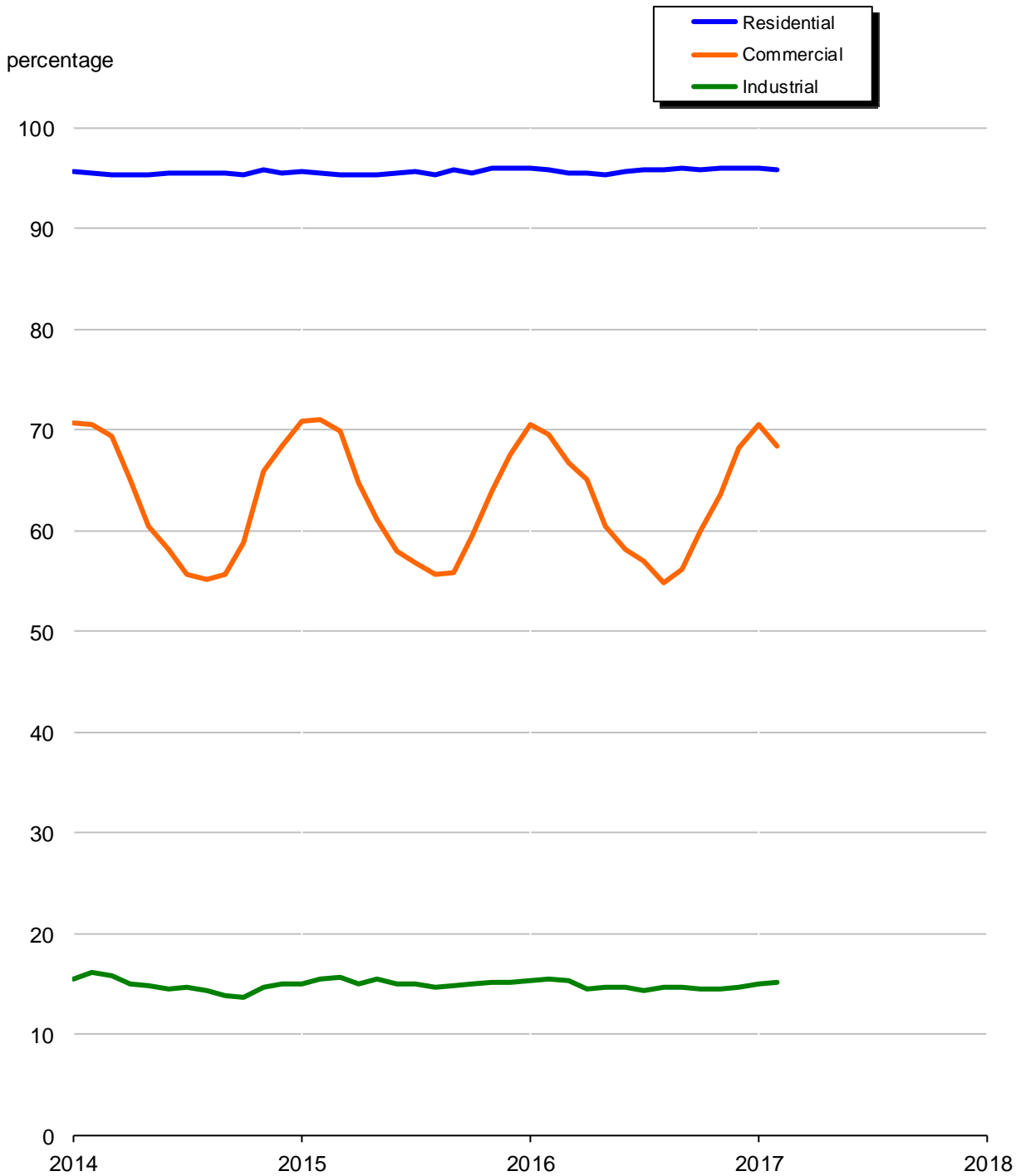
-- Not applicable.

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 2-Month YTD	2016 2-Month YTD	2015 2-Month YTD	2017		Total	2016 December
				February	January		
Alabama	1,028	1,027	1,027	1,029	1,028	1,030	1,030
Alaska	1,000	1,000	1,000	1,000	1,000	1,001	1,000
Arizona	1,042	1,046	1,037	1,043	1,042	1,037	1,039
Arkansas	1,025	1,022	1,028	1,019	1,018	1,025	1,019
California	1,035	1,036	1,034	1,034	1,036	1,035	1,034
Colorado	1,060	1,051	1,045	1,060	1,060	1,062	1,059
Connecticut	1,026	1,026	1,022	1,026	1,026	1,026	1,026
Delaware	1,045	1,050	1,060	1,045	1,047	1,042	1,047
District of Columbia	1,050	1,050	1,046	1,049	1,051	1,043	1,045
Florida	1,024	1,019	1,024	1,025	1,024	1,023	1,025
Georgia	1,031	1,029	1,025	1,033	1,030	1,030	1,031
Hawaii	963	1,001	962	972	955	981	954
Idaho	1,035	1,034	1,041	1,036	1,036	1,033	1,033
Illinois	1,033	1,032	1,029	1,031	1,033	1,032	1,033
Indiana	1,039	1,032	1,028	1,034	1,038	1,039	1,035
Iowa	1,051	1,052	1,046	1,052	1,052	1,055	1,056
Kansas	1,040	1,034	1,034	1,036	1,042	1,036	1,038
Kentucky	1,041	1,028	1,023	1,035	1,037	1,032	1,026
Louisiana	1,036	1,033	1,037	1,022	1,023	1,033	1,023
Maine	1,045	1,035	1,034	1,049	1,037	1,025	1,030
Maryland	1,055	1,058	1,060	1,056	1,054	1,051	1,050
Massachusetts	1,031	1,032	1,035	1,031	1,031	1,030	1,030
Michigan	1,045	1,039	1,027	1,045	1,045	1,041	1,044
Minnesota	1,028	1,039	1,037	1,028	1,028	1,039	1,033
Mississippi	1,036	1,032	1,035	1,035	1,034	1,032	1,033
Missouri	1,022	1,024	1,018	1,022	1,022	1,024	1,024
Montana	1,032	1,031	1,027	1,034	1,036	1,031	1,035
Nebraska	1,056	1,051	1,052	1,060	1,057	1,055	1,059
Nevada	1,041	1,043	1,040	1,040	1,041	1,041	1,041
New Hampshire	1,034	1,037	1,039	1,036	1,032	1,029	1,031
New Jersey	1,043	1,044	1,051	1,042	1,043	1,040	1,042
New Mexico	1,044	1,047	1,038	1,043	1,045	1,047	1,041
New York	1,033	1,033	1,035	1,033	1,033	1,032	1,033
North Carolina	1,033	1,034	1,030	1,032	1,033	1,035	1,032
North Dakota	1,064	1,079	1,045	1,083	1,076	1,061	1,092
Ohio	1,071	1,073	1,063	1,071	1,071	1,070	1,073
Oklahoma	1,047	1,049	1,043	1,043	1,046	1,050	1,053
Oregon	1,036	1,034	1,031	1,035	1,036	1,039	1,038
Pennsylvania	1,041	1,046	1,053	1,040	1,041	1,041	1,040
Rhode Island	1,029	1,029	1,029	1,029	1,029	1,029	1,028
South Carolina	1,031	1,031	1,029	1,031	1,030	1,030	1,031
South Dakota	1,057	1,060	1,047	1,051	1,055	1,055	1,052
Tennessee	1,030	1,034	1,028	1,031	1,032	1,028	1,033
Texas	1,028	1,030	1,027	1,029	1,027	1,031	1,029
Utah	1,043	1,045	1,042	1,043	1,043	1,042	1,043
Vermont	1,035	1,031	1,031	1,036	1,034	1,026	1,029
Virginia	1,053	1,055	1,053	1,052	1,057	1,053	1,054
Washington	1,076	1,074	1,054	1,075	1,076	1,080	1,080
West Virginia	1,082	1,089	1,086	1,089	1,084	1,088	1,085
Wisconsin	1,039	1,044	1,042	1,038	1,041	1,035	1,041
Wyoming	1,068	1,066	1,052	1,066	1,060	1,069	1,057
Total	1,038	1,038	1,036	1,038	1,039	1,037	1,039

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						
	November	October	September	August	July	June	May
Alabama	1,030	1,031	1,032	1,031	1,029	1,026	1,028
Alaska	1,000	1,001	1,002	1,003	1,003	1,003	1,002
Arizona	1,034	1,031	1,034	1,035	1,031	1,031	1,037
Arkansas	1,021	1,018	1,020	1,022	1,021	1,020	1,018
California	1,032	1,033	1,037	1,038	1,035	1,042	1,021
Colorado	1,063	1,069	1,075	1,074	1,072	1,071	1,066
Connecticut	1,026	1,026	1,026	1,025	1,025	1,026	1,025
Delaware	1,045	1,046	1,046	1,043	1,044	1,042	1,042
District of Columbia	1,040	1,035	1,038	1,038	1,038	1,034	1,035
Florida	1,024	1,023	1,026	1,026	1,023	1,020	1,021
Georgia	1,030	1,032	1,032	1,029	1,028	1,027	1,030
Hawaii	947	952	945	947	967	1,050	1,018
Idaho	1,036	1,035	1,035	1,035	1,028	1,035	1,044
Illinois	1,031	1,029	1,028	1,030	1,029	1,027	1,032
Indiana	1,046	1,048	1,042	1,047	1,035	1,042	1,038
Iowa	1,059	1,059	1,059	1,061	1,057	1,058	1,057
Kansas	1,039	1,037	1,038	1,039	1,033	1,034	1,032
Kentucky	1,039	1,027	1,030	1,038	1,033	1,025	1,018
Louisiana	1,022	1,022	1,026	1,028	1,022	1,023	1,022
Maine	1,018	1,016	1,019	1,026	1,023	1,023	1,019
Maryland	1,045	1,042	1,046	1,051	1,052	1,046	1,047
Massachusetts	1,029	1,029	1,029	1,028	1,028	1,029	1,029
Michigan	1,048	1,047	1,047	1,052	1,044	1,041	1,038
Minnesota	1,033	1,037	1,038	1,036	1,034	1,044	1,042
Mississippi	1,037	1,032	1,034	1,031	1,022	1,030	1,036
Missouri	1,024	1,024	1,023	1,024	1,022	1,022	1,021
Montana	1,039	1,029	1,034	1,033	1,028	1,029	1,023
Nebraska	1,063	1,068	1,069	1,073	1,070	1,064	1,064
Nevada	1,038	1,039	1,044	1,045	1,044	1,038	1,039
New Hampshire	1,027	1,028	1,026	1,026	1,026	1,028	1,027
New Jersey	1,040	1,038	1,038	1,039	1,038	1,037	1,037
New Mexico	1,040	1,039	1,048	1,055	1,046	1,049	1,052
New York	1,031	1,030	1,030	1,029	1,029	1,030	1,029
North Carolina	1,034	1,039	1,037	1,035	1,033	1,034	1,038
North Dakota	1,075	1,072	1,061	1,090	1,089	1,070	1,091
Ohio	1,071	1,072	1,068	1,067	1,068	1,069	1,070
Oklahoma	1,050	1,050	1,053	1,051	1,049	1,046	1,047
Oregon	1,035	1,038	1,038	1,046	1,045	1,044	1,043
Pennsylvania	1,039	1,040	1,041	1,039	1,040	1,041	1,042
Rhode Island	1,028	1,030	1,029	1,028	1,028	1,028	1,029
South Carolina	1,029	1,031	1,030	1,030	1,029	1,029	1,030
South Dakota	1,052	1,053	1,056	1,057	1,060	1,058	1,054
Tennessee	1,035	1,028	1,026	1,025	1,025	1,024	1,031
Texas	1,028	1,030	1,034	1,035	1,031	1,027	1,029
Utah	1,042	1,041	1,041	1,042	1,042	1,040	1,041
Vermont	1,022	1,019	1,016	1,017	1,016	1,025	1,023
Virginia	1,055	1,052	1,053	1,054	1,054	1,052	1,054
Washington	1,083	1,081	1,076	1,085	1,085	1,080	1,078
West Virginia	1,083	1,083	1,103	1,109	1,108	1,118	1,096
Wisconsin	1,033	1,036	1,029	1,026	1,026	1,033	1,037
Wyoming	1,056	1,050	1,054	1,058	1,053	1,048	1,053
Total	1,037	1,036	1,037	1,037	1,034	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		
	April	March	February	January	Total	December	November
Alabama	1,028	1,030	1,025	1,029	1,030	1,029	1,029
Alaska	1,001	1,001	1,000	1,000	1,001	1,000	1,001
Arizona	1,042	1,050	1,047	1,046	1,040	1,044	1,041
Arkansas	1,019	1,017	1,015	1,019	1,020	1,015	1,014
California	1,035	1,034	1,036	1,038	1,036	1,037	1,037
Colorado	1,065	1,055	1,052	1,050	1,060	1,051	1,060
Connecticut	1,026	1,026	1,026	1,026	1,027	1,026	1,027
Delaware	1,044	1,043	1,050	1,055	1,050	1,049	1,051
District of Columbia	1,040	1,043	1,049	1,051	1,044	1,044	1,039
Florida	1,023	1,024	1,025	1,015	1,024	1,023	1,023
Georgia	1,028	1,030	1,030	1,029	1,027	1,027	1,026
Hawaii	992	1,003	1,004	998	982	997	996
Idaho	1,056	1,044	1,038	1,034	1,030	1,041	1,035
Illinois	1,032	1,030	1,031	1,031	1,029	1,030	1,030
Indiana	1,034	1,032	1,033	1,030	1,027	1,033	1,034
Iowa	1,053	1,052	1,052	1,053	1,053	1,056	1,057
Kansas	1,033	1,037	1,036	1,032	1,036	1,031	1,035
Kentucky	1,026	1,023	1,025	1,027	1,023	1,024	1,021
Louisiana	1,021	1,022	1,025	1,024	1,025	1,023	1,022
Maine	1,024	1,030	1,037	1,035	1,027	1,027	1,025
Maryland	1,048	1,050	1,055	1,061	1,055	1,050	1,049
Massachusetts	1,029	1,030	1,032	1,031	1,029	1,030	1,029
Michigan	1,040	1,036	1,038	1,040	1,033	1,040	1,041
Minnesota	1,041	1,039	1,035	1,043	1,040	1,041	1,045
Mississippi	1,033	1,039	1,032	1,031	1,030	1,030	1,029
Missouri	1,024	1,024	1,023	1,024	1,012	1,023	1,024
Montana	1,023	1,027	1,030	1,033	1,026	1,034	1,034
Nebraska	1,062	1,048	1,054	1,054	1,057	1,053	1,055
Nevada	1,042	1,037	1,042	1,043	1,042	1,042	1,043
New Hampshire	1,029	1,031	1,039	1,035	1,030	1,030	1,029
New Jersey	1,039	1,042	1,043	1,044	1,045	1,044	1,044
New Mexico	1,048	1,048	1,048	1,046	1,038	1,046	1,042
New York	1,033	1,033	1,034	1,033	1,032	1,033	1,032
North Carolina	1,038	1,037	1,034	1,034	1,035	1,034	1,033
North Dakota	1,108	1,099	1,095	1,095	1,086	1,112	1,097
Ohio	1,068	1,070	1,072	1,073	1,068	1,077	1,077
Oklahoma	1,044	1,048	1,047	1,049	1,047	1,050	1,047
Oregon	1,038	1,036	1,034	1,033	1,036	1,036	1,035
Pennsylvania	1,042	1,042	1,045	1,048	1,047	1,046	1,046
Rhode Island	1,034	1,025	1,027	1,032	1,028	1,028	1,028
South Carolina	1,031	1,029	1,031	1,031	1,030	1,030	1,030
South Dakota	1,052	1,053	1,058	1,060	1,054	1,058	1,053
Tennessee	1,031	1,034	1,035	1,035	1,029	1,034	1,031
Texas	1,032	1,030	1,028	1,029	1,034	1,030	1,033
Utah	1,042	1,041	1,043	1,046	1,044	1,046	1,044
Vermont	1,028	1,030	1,032	1,029	1,025	1,027	1,027
Virginia	1,052	1,056	1,055	1,055	1,052	1,057	1,051
Washington	1,078	1,077	1,075	1,070	1,065	1,073	1,069
West Virginia	1,096	1,096	1,096	1,092	1,097	1,090	1,114
Wisconsin	1,038	1,038	1,046	1,045	1,042	1,044	1,043
Wyoming	1,055	1,071	1,052	1,056	1,060	1,054	1,046
Total	1,037	1,037	1,038	1,038	1,037	1,038	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						
	October	September	August	July	June	May	April
Alabama	1,030	1,030	1,030	1,032	1,032	1,031	1,032
Alaska	1,001	1,001	1,002	1,002	1,002	1,001	1,002
Arizona	1,042	1,040	1,038	1,038	1,036	1,038	1,040
Arkansas	1,029	1,019	1,022	1,023	1,020	1,022	1,025
California	1,035	1,037	1,037	1,037	1,037	1,033	1,034
Colorado	1,069	1,076	1,069	1,073	1,070	1,059	1,059
Connecticut	1,028	1,026	1,026	1,027	1,027	1,049	1,026
Delaware	1,051	1,043	1,044	1,044	1,055	1,055	1,051
District of Columbia	1,045	1,035	1,036	1,037	1,040	1,044	1,044
Florida	1,023	1,024	1,024	1,026	1,026	1,026	1,024
Georgia	1,028	1,029	1,028	1,030	1,031	1,028	1,026
Hawaii	996	989	965	1,011	1,005	990	959
Idaho	1,033	1,024	1,028	1,034	1,010	1,000	1,023
Illinois	1,028	1,028	1,027	1,027	1,027	1,029	1,028
Indiana	1,039	1,041	1,044	1,043	1,043	1,037	1,039
Iowa	1,058	1,058	1,059	1,059	1,060	1,054	1,051
Kansas	1,037	1,039	1,042	1,040	1,039	1,044	1,036
Kentucky	1,024	1,020	1,015	1,024	1,021	1,023	1,016
Louisiana	1,023	1,023	1,024	1,028	1,027	1,028	1,029
Maine	1,026	1,019	1,018	1,020	1,020	1,022	1,025
Maryland	1,053	1,050	1,049	1,055	1,057	1,058	1,051
Massachusetts	1,028	1,027	1,028	1,029	1,027	1,027	1,029
Michigan	1,034	1,036	1,035	1,034	1,033	1,028	1,035
Minnesota	1,041	1,039	1,041	1,043	1,047	1,044	1,037
Mississippi	1,028	1,031	1,029	1,030	1,030	1,032	1,037
Missouri	1,025	1,026	1,026	1,026	1,026	1,024	1,026
Montana	1,032	1,032	1,033	1,031	1,030	1,019	1,021
Nebraska	1,060	1,068	1,071	1,068	1,063	1,061	1,057
Nevada	1,043	1,044	1,043	1,044	1,045	1,043	1,043
New Hampshire	1,029	1,028	1,028	1,027	1,028	1,028	1,029
New Jersey	1,041	1,041	1,042	1,043	1,043	1,043	1,043
New Mexico	1,048	1,040	1,049	1,038	1,039	1,038	1,034
New York	1,032	1,032	1,031	1,031	1,032	1,032	1,034
North Carolina	1,040	1,038	1,037	1,038	1,033	1,035	1,035
North Dakota	1,093	1,078	1,095	1,117	1,089	1,084	1,084
Ohio	1,071	1,071	1,068	1,069	1,068	1,072	1,073
Oklahoma	1,049	1,049	1,047	1,050	1,049	1,048	1,045
Oregon	1,036	1,038	1,039	1,039	1,042	1,039	1,035
Pennsylvania	1,045	1,044	1,044	1,044	1,046	1,050	1,049
Rhode Island	1,028	1,028	1,028	1,028	1,028	1,028	1,029
South Carolina	1,031	1,031	1,029	1,031	1,030	1,030	1,029
South Dakota	1,053	1,056	1,060	1,062	1,059	1,054	1,051
Tennessee	1,032	1,025	1,023	1,027	1,025	1,025	1,027
Texas	1,036	1,036	1,035	1,036	1,036	1,036	1,034
Utah	1,044	1,042	1,043	1,043	1,043	1,043	1,049
Vermont	1,030	1,020	1,019	1,022	1,021	1,021	1,024
Virginia	1,053	1,055	1,054	1,056	1,055	1,055	1,045
Washington	1,064	1,066	1,065	1,070	1,069	1,065	1,062
West Virginia	1,090	1,102	1,099	1,099	1,096	1,107	1,103
Wisconsin	1,045	1,034	1,040	1,036	1,040	1,038	1,039
Wyoming	1,040	1,041	1,044	1,042	1,045	1,045	1,043
Total	1,037	1,037	1,036	1,037	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		
	March	February	January
Alabama	1,029	1,026	1,028
Alaska	1,001	1,000	1,000
Arizona	1,036	1,038	1,038
Arkansas	1,023	1,023	1,021
California	1,033	1,035	1,034
Colorado	1,051	1,044	1,046
Connecticut	1,029	1,026	1,017
Delaware	1,062	1,061	1,061
District of Columbia	1,046	1,047	1,045
Florida	1,024	1,025	1,024
Georgia	1,025	1,026	1,025
Hawaii	947	954	968
Idaho	1,030	1,037	1,047
Illinois	1,029	1,030	1,027
Indiana	1,031	1,029	1,028
Iowa	1,047	1,047	1,045
Kansas	1,035	1,034	1,033
Kentucky	1,015	1,018	1,023
Louisiana	1,029	1,031	1,030
Maine	1,030	1,035	1,033
Maryland	1,058	1,061	1,059
Massachusetts	1,030	1,035	1,035
Michigan	1,030	1,026	1,027
Minnesota	1,033	1,034	1,041
Mississippi	1,031	1,033	1,036
Missouri	1,025	1,020	1,017
Montana	1,028	1,029	1,028
Nebraska	1,053	1,054	1,052
Nevada	1,041	1,040	1,040
New Hampshire	1,033	1,041	1,037
New Jersey	1,050	1,050	1,050
New Mexico	1,034	1,038	1,038
New York	1,034	1,035	1,034
North Carolina	1,030	1,028	1,030
North Dakota	1,072	1,078	1,036
Ohio	1,062	1,062	1,065
Oklahoma	1,044	1,043	1,042
Oregon	1,032	1,031	1,031
Pennsylvania	1,049	1,054	1,053
Rhode Island	1,029	1,029	1,029
South Carolina	1,028	1,028	1,030
South Dakota	1,047	1,048	1,048
Tennessee	1,029	1,029	1,028
Texas	1,029	1,028	1,026
Utah	1,047	1,046	1,039
Vermont	1,027	1,035	1,026
Virginia	1,051	1,053	1,056
Washington	1,060	1,054	1,052
West Virginia	1,069	1,084	1,097
Wisconsin	1,040	1,044	1,042
Wyoming	1,042	1,041	1,043
Total	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."

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

Month/Year/Type of data	New England	Middle Atlantic	East North Central	West North Central	South Atlantic
	CT, ME, MA, NH, RI, VT	NJ, NY, PA	IL, IN, MI, OH, WI	IA, KS, MN, MO, ND, NE, SD	DE, FL, GA, MD, DC, NC, SC, VA, WV
November					
Normal	703	665	757	841	442
2015	584	509	596	653	325
2016	639	576	575	578	384
% Diff (normal to 2016)	-9.1	-13.4	-24.0	-31.3	-13.1
% Diff (2015 to 2016)	9.4	13.2	-3.5	-11.5	18.2
December					
Normal	1,045	994	1,135	1,250	700
2015	682	607	765	953	370
2016	1,005	945	1,147	1,240	633
% Diff (normal to 2016)	-3.8	-4.9	1.1	-0.8	-9.6
% Diff (2015 to 2016)	47.4	55.7	49.9	30.1	71.1
January					
Normal	1,209	1,155	1,303	1,392	803
2016	1,090	1,094	1,213	1,290	824
2017	1,004	946	1,071	1,199	598
% Diff (normal to 2017)	-17.0	-18.1	-17.8	-13.9	-25.5
% Diff (2016 to 2017)	-7.9	-13.5	-11.7	-7.1	-27.4
February					
Normal	1,029	980	1,062	1,080	638
2016	938	896	965	945	620
2017	866	747	768	810	421
% Diff (normal to 2017)	-15.8	-23.8	-27.7	-25.0	-34.0
% Diff (2016 to 2017)	-7.7	-16.6	-20.4	-14.3	-32.1
March					
Normal	888	824	865	859	484
2016	725	622	665	655	328
2017	1,006	885	834	787	477
% Diff (normal to 2017)	13.3	7.4	-3.6	-8.4	-1.5
% Diff (2016 to 2017)	38.8	42.3	25.4	20.2	45.4
November to March					
Normal	4,874	4,618	5,122	5,422	3,067
2016	4,019	3,728	4,204	4,496	2,467
2017	4,520	4,099	4,395	4,614	2,513
% Diff (normal to 2017)	-7.3	-11.2	-14.2	-14.9	-18.1
% Diff (2016 to 2017)	12.5	10.0	4.5	2.6	1.9

See footnotes at end of table.

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

Month/Year/Type of data	East South Central	West South Central	Mountain	Pacific ^b	U.S. Average ^b
	AL, KY, MS, TN	AR, LA, OK, TX	AZ, CO, ID, MT, NV, NM, UT, WY	CA, OR, WA	
November					
Normal	455	305	740	366	589
2015	322	229	731	393	486
2016	351	172	550	263	452
% Diff (normal to 2016)	-22.9	-43.6	-25.7	-28.1	-23.3
% Diff (2015 to 2016)	9.0	-24.9	-24.8	-33.1	-7.0
December					
Normal	722	537	999	531	885
2015	401	364	990	559	640
2016	660	461	992	548	863
% Diff (normal to 2016)	-8.6	-14.2	-0.7	3.2	-2.5
% Diff (2015 to 2016)	64.6	26.7	0.2	-2.0	34.8
January					
Normal	829	612	1,026	532	991
2016	841	564	979	501	937
2017	562	418	1,025	592	839
% Diff (normal to 2017)	-32.2	-31.7	-0.1	11.3	-15.3
% Diff (2016 to 2017)	-33.2	-25.9	4.7	18.2	-10.5
February					
Normal	631	429	802	412	793
2016	589	329	682	268	696
2017	402	220	674	427	600
% Diff (normal to 2017)	-36.3	-48.7	-16.0	3.6	-24.3
% Diff (2016 to 2017)	-31.8	-33.1	-1.2	59.3	-13.8
March					
Normal	459	276	695	393	649
2016	321	182	581	318	495
2017	394	162	501	307	604
% Diff (normal to 2017)	-14.2	-41.3	-27.9	-21.9	-6.9
% Diff (2016 to 2017)	22.7	-11.0	-13.8	-3.5	22.0
November to March					
Normal	3,096	2,159	4,262	2,234	3,907
2016	2,474	1,668	3,963	2,039	3,254
2017	2,369	1,433	3,742	2,137	3,358
% Diff (normal to 2017)	-23.5	-33.6	-12.2	-4.3	-14.1
% Diff (2016 to 2017)	-4.2	-14.1	-5.6	4.8	3.2

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

^b Excludes Alaska and Hawaii.

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

Source: National Oceanic and Atmospheric Administration.

Appendix A

Explanatory Notes

The 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:

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

where:

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

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

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

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

The natural gas spot price is the simple average of the daily closing spot prices for natural gas at the Henry Hub in Louisiana. This series is published by 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:

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

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

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

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

Form EIA-914, "Monthly 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),

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

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

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

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

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

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

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

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

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

N = frame size.

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

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

where:

P_j = natural gas price in sector j,

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

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

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

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

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

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

and,

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

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

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

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

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

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

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

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

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	0.8	1.5	1.5	1.1	0.18	0.12	0.14
Alaska	0.5	3.2	0.0	1.4	0.01	0.41	0.00
Arizona	NA	1.1	4.1	NA	NA	0.12	0.17
Arkansas	6.3	1.3	1.7	1.6	0.26	0.33	0.52
California	1.4	1.8	0.7	0.7	0.70	0.77	0.62
Colorado	0.9	0.4	0.9	0.5	0.04	0.06	0.08
Connecticut	0.3	0.3	1.2	0.3	0.07	0.05	0.10
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	NA	0.00
Florida	NA	NA	NA	NA	NA	NA	NA
Georgia	0.0	0.0	3.8	0.0	0.07	0.11	0.60
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.5	0.6	0.0	0.3	0.00	0.00	0.00
Illinois	0.4	0.5	1.7	0.5	0.06	0.15	0.13
Indiana	0.8	0.3	0.9	0.6	0.07	0.04	0.40
Iowa	1.3	1.4	2.4	1.4	0.05	0.02	0.21
Kansas	2.3	0.3	NA	NA	0.06	0.11	0.64
Kentucky	1.0	1.1	2.1	1.1	0.17	0.12	0.40
Louisiana	1.4	0.8	1.1	1.0	0.21	NA	NA
Maine	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Maryland	0.4	1.4	2.3	0.6	0.08	0.08	1.10
Massachusetts	0.4	0.9	1.4	0.4	0.07	0.08	0.13
Michigan	0.7	0.6	1.4	0.5	0.06	0.02	0.02
Minnesota	1.4	0.7	1.0	0.7	0.10	0.06	0.12
Mississippi	1.3	0.8	1.0	0.8	0.15	0.22	NA
Missouri	0.6	NA	NA	NA	0.08	0.13	NA
Montana	0.6	0.6	0.0	0.3	0.05	0.11	0.00
Nebraska	3.2	1.5	1.0	1.1	0.09	0.10	0.67
Nevada	0.0	0.0	0.4	0.1	0.00	0.00	0.08
New Hampshire	0.0	0.0	6.3	1.6	0.00	0.00	0.00
New Jersey	0.0	0.0	NA	NA	0.00	0.00	NA
New Mexico	2.9	1.8	5.9	1.9	0.35	0.29	NA
New York	0.0	0.0	1.4	0.0	0.05	0.03	0.29
North Carolina	0.2	0.5	0.4	0.2	0.12	0.11	0.12
North Dakota	0.9	1.7	2.7	1.3	0.02	0.08	0.00
Ohio	0.0	0.0	1.3	0.0	NA	0.02	0.25
Oklahoma	3.7	1.4	1.4	1.2	0.06	0.11	0.48
Oregon	0.0	0.0	1.3	0.4	0.00	0.00	0.00
Pennsylvania	0.3	0.2	2.4	0.7	0.02	0.03	0.19
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	0.6	0.8	1.0	0.6	0.28	0.12	0.21
South Dakota	2.0	1.9	1.2	0.9	0.16	0.11	0.05
Tennessee	0.8	0.8	1.2	0.7	0.07	0.06	0.12
Texas	2.1	NA	0.7	NA	0.26	0.14	0.03
Utah	0.4	0.0	0.0	0.2	0.00	0.00	0.00
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	0.2	1.1	2.0	0.7	0.22	0.14	NA
Washington	1.0	1.1	1.7	0.7	0.05	0.07	0.10
West Virginia	2.0	0.6	1.0	0.8	0.11	0.12	0.23
Wisconsin	0.6	0.5	0.5	0.3	0.04	0.03	0.03
Wyoming	0.3	0.4	2.1	1.1	0.03	0.03	0.08
Total	0.2	0.4	0.3	0.2	0.07	0.04	0.03

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.