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Natural Gas Monthly
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Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Joan E. Heinkel.

General questions and comments regarding the *NGM* may be referred to Ann M. Ducca (202) 586-6137. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *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. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. 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.

Some 1997 citygate prices in Tables 4 and 20 of this report, the November 1998 issue of the *Natural Gas Monthly*, are shown as NA.

The citygate prices are:

New York
November 1997 $4.00
Total 1997 $3.51

Total United States
November 1997 $3.95
Total 1997 $3.61

We apologize for any inconvenience this may have caused.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association
Bbl	Barrels
BLS	Bureau of Labor Statistics, U.S. Department of Labor
Bcf	Billion Cubic Feet
BOM	Bureau of Mines, U.S. Department of the Interior
Btu	British Thermal Unit
DOE	U.S. Department of Energy
DOI	U.S. Department of the Interior
EIA	Energy Information Administration, U.S. Department of Energy
FERC	Federal Energy Regulatory Commission
IOGCC	Interstate Oil and Gas Compact Commission
LNG	Liquefied Natural Gas
Mcf	Thousand Cubic Feet
MMBtu	Million British Thermal Units
MMcf	Million Cubic Feet
MMS	United States Minerals Management Service, U.S. Department of the Interior
NGL	Natural Gas Liquids
OCS	Outer Continental Shelf
STIFS	Short-Term Integrated Forecasting System
STEO	Short Term Energy Outlook
Tcf	Trillion Cubic Feet

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Highlights

Overview

This issue of the *Natural Gas Monthly* presents the most recent estimates of natural gas data from the Energy Information Administration (EIA). Estimates at the national level extend through November 1998 for many data series.

Highlights of the data contained in this issue are:

- Over 3 trillion cubic feet of working gas is estimated to be in storage at the end of November 1998. This is the first time since 1992 that this much working gas has been available at the end of the first month of the heating season (November through March).
- Driven by high demand for air conditioning during the summer, the electric utility sector continues to be the only end-use sector with higher natural gas consumption in 1998 compared with 1997.
- Dry natural gas production in 1998 is keeping pace with that of 1997, even though the cumulative average wellhead price through August 1998 is estimated to be 14 percent below that of 1997 for the same period.

Supply

The 1998-99 heating season (November through March) began with an estimated 3,157 billion cubic feet of working gas in underground storage facilities (Table 10). Warmer-than-normal weather during November 1998 led to lower-than-expected demand for natural gas for space heating during the month. Net storage withdrawals during November 1998 are estimated to be only 40 billion cubic feet, 79 percent lower than in November 1997. This lower demand, together with production levels comparable to last year, resulted in more than 3,000 billion cubic feet of working gas remaining in storage at the end of November for the first time since 1992. Working gas at the end of November 1998 is estimated to be 3,117 billion cubic feet (Figure HI2). It was 3,054 billion cubic feet at the end of November 1992 (the 1992-93 heating season began with 3,223 billion cubic feet of working gas in storage).

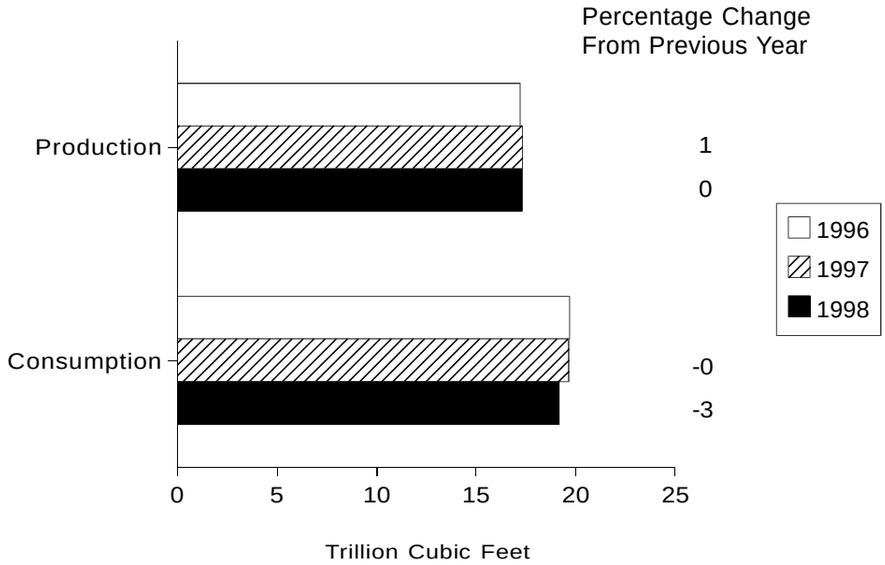
Adjustment of 1997 Monthly Data

This issue of the *Natural Gas Monthly* contains revisions of several of the 1997 monthly data series. These data series have been revised so that their totals for the 12 months of the year agree with the annual totals shown in the *Natural Gas Annual 1997*. The data series that were adjusted to annual totals are: natural gas production, wellhead prices, underground storage injections and withdrawals, consumption by State and sector, and consumer prices by State and sector.

The revisions are the result of an adjustment process that is performed each year when data received from an annual census of respondents become available. Before the process begins, all revisions and corrections which had been received throughout the year are included in the monthly base figures. Then the annual adjustment process aligns the monthly estimates for sectoral consumption, sectoral prices, and underground storage injections and withdrawals, which had been developed using monthly survey information, to agree with the annual summaries of data reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and published in the *Natural Gas Annual 1997*. Natural gas production and wellhead prices are also adjusted from previously published estimates using the best information obtained from producing States and the United States Minerals Management Service.

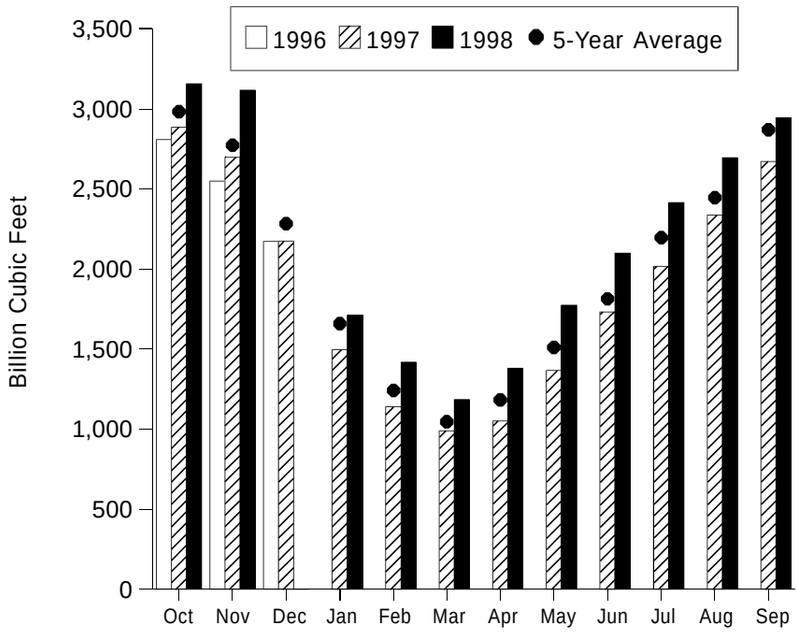
Appendices A (Explanatory Notes), B (Data Sources), and C (Statistical Considerations) of this publication provide further information about data sources, estimation procedures, annual adjustments, and sample design. These appendices may be helpful in evaluating the monthly data.

Figure HI1. Natural Gas Production and Consumption, January-November, 1996-1998



Source: Table 2.

Figure HI2. Working Gas in Underground Storage in the United States, 1996-1998



Note: The 5-year average is calculated using the latest available monthly data. For example, the December average is calculated from December storage levels for 1993 to 1997 while the January average is calculated from January levels for 1994 to 1998. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Short-Term Integrated Forecasting System.

Cumulatively for January through November 1998, dry natural gas production is estimated to be 17,331 billion cubic feet (Table 1). This level is essentially the same as that for the same period of 1997, and only 0.7 percent higher than in 1996 and 2 percent higher than in 1995 (Figure HI1). Production in November 1998 is estimated to be 1,567 billion cubic feet, or 52.2 billion cubic feet per day, 1.3 percent higher than in November 1997.

During 1998, net imports of natural gas have continued to increase over those of last year. Cumulatively for the first quarter, net imports exceeded those of 1997 by an estimated 2 percent. Through the first half of the year, the 1998 level was estimated to be 3 percent above that of 1997. Through November 1998, net imports are estimated to be 2,720 billion cubic feet, 5 percent higher than last year's level. Net imports during November 1998 are estimated to be 256 billion cubic feet or 8.5 billion cubic feet per day (Table 2). This is just slightly below the daily rate during November 1997.

End-Use Consumption

End-use consumption of natural gas is estimated to be 3 percent lower in 1998 than in 1997 for the January-through-November period. The cumulative level for 1998 is estimated to be 17,386 billion cubic feet (Table 3). Warmer temperatures than last year, especially in January and February as a result of El Nino, and in November, led to reduced demand for natural gas for space heating in 1998. Residential consumption for January through November 1998 is 373 billion cubic feet lower than for the same period of 1997, a decline of 9 percent (Figure HI3). Commercial consumption is down by 123 billion cubic feet, or 4 percent. Industrial consumption of natural gas is also down by 4 percent over the period, but this sector consumes far more natural gas than either the residential or commercial sectors. Thus, the decline in industrial consumption is equivalent to a drop of 283 billion cubic feet.

Monthly estimates of natural gas consumption by electric utilities are available through August 1998. This is the only end-use sector in which natural gas consumption is increasing compared with that of 1997. Cumulatively through August 1998, electric utility consumption is estimated to be 13 percent higher than in the same period of 1997. This rise in consumption is largely driven by increased demand for air conditioning in the Southwest during the summer. Much of the peak electricity generation in this region is gas-fired. By comparison, consumption by the residential, commercial, and industrial sectors through August 1998 is estimated to be 8, 3, and 4 percent lower than in 1997, respectively.

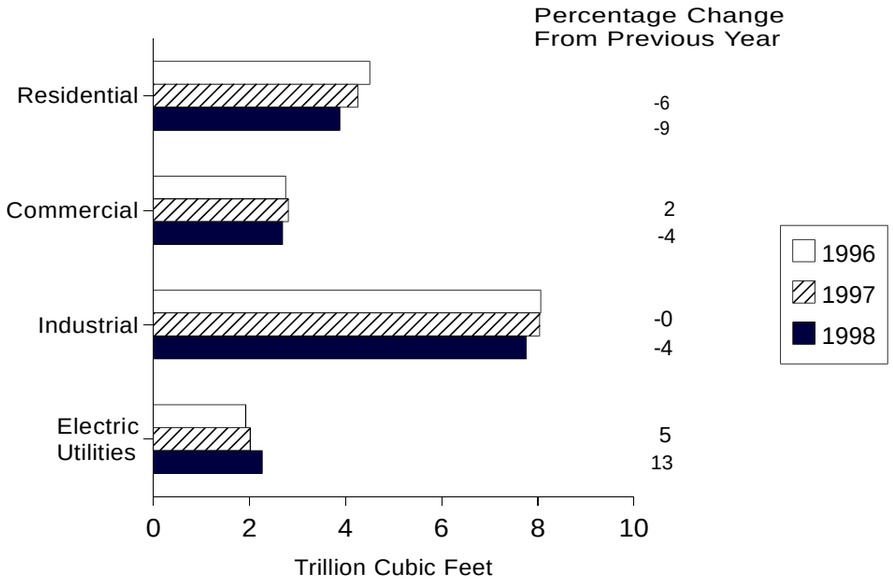
Prices

The national average wellhead price is estimated to be $1.68 per thousand cubic feet for August 1998 (Table 4). This is 19 percent lower than the price in August 1997. Cumulatively for January through August 1998, the wellhead price is estimated to be $1.89 per thousand cubic feet, 14 percent lower than in the same period of 1997. However, prices in early 1997 were much higher than in early 1998, reflecting tighter supply and demand conditions during the winter of 1996-97. If average wellhead prices for 1998 and 1997 are compared for only the March-through-August period, the 1998 average is $1.91 per thousand cubic feet, only 3 percent below the $1.96 average for 1997.

End-use[1] prices for natural gas are also averaging lower in 1998 than in 1997. Cumulatively, for January through August 1998, residential and commercial prices are estimated to be $6.82 and $5.54 per thousand cubic feet, respectively (Figure HI4). These are 1 and 5 percent lower, respectively, than in 1997. The average price paid for natural gas by the industrial sector during the same period is estimated to be $3.23 per thousand cubic feet, 7 percent lower than in 1997. The cumulative average price of natural gas in the electric utility sector, for January through July 1998, is estimated to be $2.50 per thousand cubic feet, 4 percent lower than for the same period in 1997.

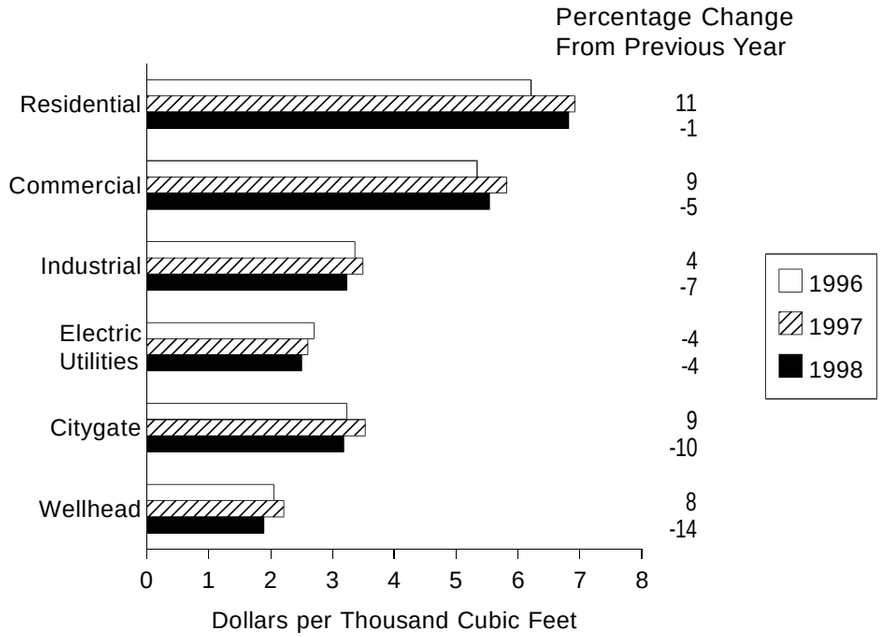
[1]End-use prices in the residential, commercial, and industrial sectors are for onsystem gas sales only. While monthly onsystem sales are nearly 100 percent of residential deliveries, in 1998 they have been from 46 to 72 percent of commercial deliveries and only 13 to 17 percent of industrial deliveries (Table 4).

Figure HI3. Natural Gas Delivered to Consumers, January-November, 1996-1998



Note: The reporting of electric utility deliveries is 3 months behind the reporting of other deliveries.
Source: Table 3.

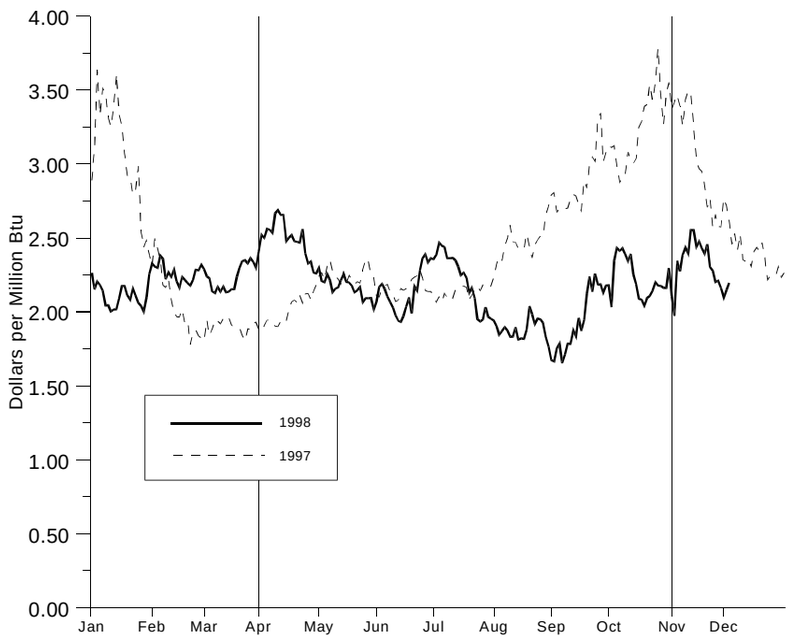
Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-August 1996-1998



Note: Commercial and industrial average prices reflect onsystem sales only. The reporting of electric utility prices is 1 month behind the reporting of other prices..
Source: Table 4.

More recent data on natural gas futures prices reflect abundant supplies of natural gas and lower-than-expected demand in the early fall of 1998. Warmer-than-normal weather in many parts of the country is mainly responsible for the lower demand. The daily futures settlement price on the nearby month contract (December) at the Henry Hub reached a relative high of $2.553 per million Btu on November 6, 1998, and fell to $2.097 by November 23, before closing out at $2.196 on November 25 (Figure HI5). Futures prices during 1997 followed an unusual pattern of rising in the late summer and early fall, then plummeting in November. Yet, on November 25, 1997, the Henry Hub settlement price was $2.660 per million Btu. The nearby month price in 1996 followed the more usual pattern of rising sharply in the fall and winter. On November 6, 1996, the futures settlement price was $2.684 per million Btu. It rose to $3.494 per million Btu by November 25, 1996, on its way to a high for that winter of $4.573 on December 20, 1996 (for the January contract).

Figure HI5. Daily Futures Settlement Prices at the Henry Hub



Note: The futures price is for the nearby month contract, that is, for the next contract to terminate trading. Contracts are traded on the New York Mercantile Exchange. April 1 is the beginning of the natural gas storage refill season. November 1 is the beginning of the heating season.

Source: Commodity Futures Trading Commission, Division of Economic Analysis.

Table 1. Summary of Natural Gas Production in the United States, 1992-1998

(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed[a]	Vented and Flared	Marketed Production (Wet)	Extraction Loss[b]	Dry Gas Production[c]
1992 Total	22,132	2,973	280	168	18,712	872	17,840
1993 Total	22,726	3,103	414	227	18,982	886	18,095
1994 Total	23,581	3,231	412	228	19,710	889	18,821
1995 Total	23,744	3,565	388	284	19,506	908	18,599
1996							
January	2,052	310	44	26	1,673	81	1,591
February	1,941	294	41	24	1,580	77	1,504
March	2,054	313	45	23	1,674	81	1,592
April	2,003	289	42	22	1,650	80	1,570
May	2,025	281	42	23	1,679	81	1,598
June	1,962	276	36	16	1,634	79	1,555
July	2,008	271	42	24	1,672	81	1,591
August	2,021	281	45	24	1,671	81	1,590
September	1,958	283	44	22	1,609	78	1,531
October	2,011	306	44	23	1,638	79	1,558
November	1,984	299	47	23	1,615	78	1,537
December	2,032	307	46	23	1,656	80	1,576
Total	24,052	3,510	518	272	19,751	958	18,793
1997							
January	[R]2,089	[R]305	[R]50	[R]25	[R]1,709	83	[R]1,626
February	[R]1,905	[R]289	[R]46	[R]22	[R]1,549	75	[R]1,474
March	[R]2,103	[R]311	[R]51	23	[R]1,720	83	[R]1,636
April	[R]1,993	[R]285	[R]48	[R]22	[R]1,639	[R]80	[R]1,559
May	[R]2,041	[R]268	[R]50	[R]22	[R]1,702	[R]83	[R]1,619
June	[R]1,952	[R]275	[R]47	[R]18	[R]1,612	[R]78	[R]1,534
July	[R]2,020	[R]272	[R]51	[R]23	1,674	81	1,593
August	[R]2,022	[R]279	[R]52	[R]21	[R]1,671	81	[R]1,590
September	[R]1,988	[R]285	[R]50	21	[R]1,632	79	[R]1,553
October	[R]2,057	[R]307	[R]51	[R]20	[R]1,678	81	[R]1,597
November	[R]1,999	[R]302	[R]52	[R]19	[R]1,626	[R]79	[R]1,547
December	[R]2,044	[R]314	[R]52	[R]22	[R]1,655	[R]80	[R]1,575
Total	[R]24,213	[R]3,492	[R]599	[R]256	[R]19,866	[R]964	[R]18,902
1998							
January	[RE]2,096	[E]331	[RE]46	[E]22	[RE]1,697	[RE]82	[RE]1,615
February	[RE]1,913	[E]293	[RE]42	[E]19	[RE]1,560	[E]76	[RE]1,484
March	[RE]2,086	[E]320	[E]45	[E]22	[RE]1,699	[RE]82	[RE]1,617
April	[RE]1,974	[RE]284	[RE]44	[RE]20	[RE]1,626	[E]79	[RE]1,547
May	[RE]2,010	[RE]269	[RE]43	[E]20	[RE]1,679	[RE]81	[RE]1,597
June	[RE]1,969	[E]270	[RE]44	[RE]22	[RE]1,634	[E]79	[RE]1,555
July	[RE]2,016	[RE]275	[E]44	[RE]22	[RE]1,675	[RE]81	[RE]1,594
August	[RE]2,026	[RE]275	[E]44	[E]21	[E]1,685	[E]82	[E]1,603
September	[E]1,974	[E]269	[E]43	[E]21	[E]1,640	[E]80	[E]1,560
October(STIFS)	NA	NA	NA	NA	[E]1,673	[E]81	[E]1,591
November(STIFS)	NA	NA	NA	NA	[E]1,647	[E]80	[E]1,567
1998 YTD	NA	NA	NA	NA	[E]18,214	[E]883	[E]17,331
1997 YTD	22,169	3,177	547	234	18,211	883	17,327
1996 YTD	22,019	3,203	472	249	18,095	878	17,217

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.
[b] Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.
[c] Equal to marketed production (wet) minus extraction loss.
[R] = Revised Data.
[E] = Estimated Data.
[RE] = Revised Estimated Data.
NA = Not Available.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1992-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996.* January 1997 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1992-1998

(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels[a]	Net Imports	Net Storage Withdrawals[b]	Balancing Item[c]	Consumption[d]
1992 Total	17,840	118	1,921	173	-508	19,544
1993 Total	18,095	119	2,210	-36	-110	20,279
1994 Total	18,821	111	2,462	-286	-400	20,708
1995 Total	18,599	110	2,687	415	-230	21,581
1996						
January	1,591	12	249	723	-2	2,574
February	1,504	11	221	462	138	2,335
March	1,592	11	226	333	46	2,209
April	1,570	9	227	-119	139	1,826
May	1,598	6	244	-339	67	1,576
June	1,555	8	214	-388	65	1,454
July	1,591	8	222	-382	-3	1,436
August	1,590	8	221	-358	4	1,465
September	1,531	8	227	-379	12	1,399
October	1,558	9	236	-210	-62	1,531
November	1,537	10	238	272	-161	1,896
December	1,576	10	259	387	35	2,266
Total	18,793	109	2,784	2	279	21,967
1997						
January	[R]1,626	[R]12	266	[R]709	[R]-90	[R]2,523
February	[R]1,474	[R]10	228	[R]371	[R]170	[R]2,253
March	[R]1,636	[R]9	241	[R]160	[R]69	[R]2,115
April	[R]1,559	[R]8	224	[R]-61	[R]64	1,795
May	[R]1,619	[R]8	232	[R]-333	[R]62	[R]1,588
June	[R]1,534	[R]6	223	[R]-379	[R]67	[R]1,451
July	1,593	[R]7	225	[R]-293	[R]5	[R]1,537
August	[R]1,590	[R]8	227	[R]-334	[R]28	1,518
September	[R]1,553	[R]6	226	[R]-349	[R]3	[R]1,440
October	[R]1,597	[R]8	239	[R]-218	[R]-92	[R]1,534
November	[R]1,547	[R]10	259	[R]196	[R]-116	[R]1,895
December	[R]1,575	[R]11	246	[R]553	[R]-68	[R]2,317
Total	[R]18,902	[R]103	2,837	[R]24	[R]106	[R]21,972
1998						
January	[RE]1,615	12	267	466	[R]38	[R]2,398
February	[RE]1,484	10	237	299	[R]72	[R]2,102
March	[RE]1,617	11	244	241	[R]14	[R]2,127
April	[RE]1,547	9	235	-198	[R]111	[R]1,703
May	[RE]1,597	8	240	-393	[R]59	[R]1,512
June	[RE]1,555	7	236	-323	[R]-7	[R]1,469
July	[RE]1,594	9	[E]247	-314	[R]31	[R]1,568
August	[E]1,603	[E]9	[E]255	-283	[R]0	1,583
September	[E]1,560	[E]9	[E]251	-227	[E]-121	[E]1,473
October(STIFS)	[E]1,591	[E]10	[E]253	[E]-211	[RE]-156	[RE]1,488
November(STIFS)	[E]1,567	[E]11	[E]256	[E]40	[E]-119	[E]1,755
1998 YTD	[E]17,331	[E]106	[E]2,720	[E]-903	[E]-77	[E]19,177
1997 YTD	17,327	92	2,591	-529	169	19,651
1996 YTD	17,217	99	2,525	-385	242	19,699

[a] Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0025 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

[b] Monthly and annual data for 1991 through 1996 include underground storage and liquefied natural gas storage. Data for January 1997 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

[c] Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

[d] Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

[R] = Revised Data.

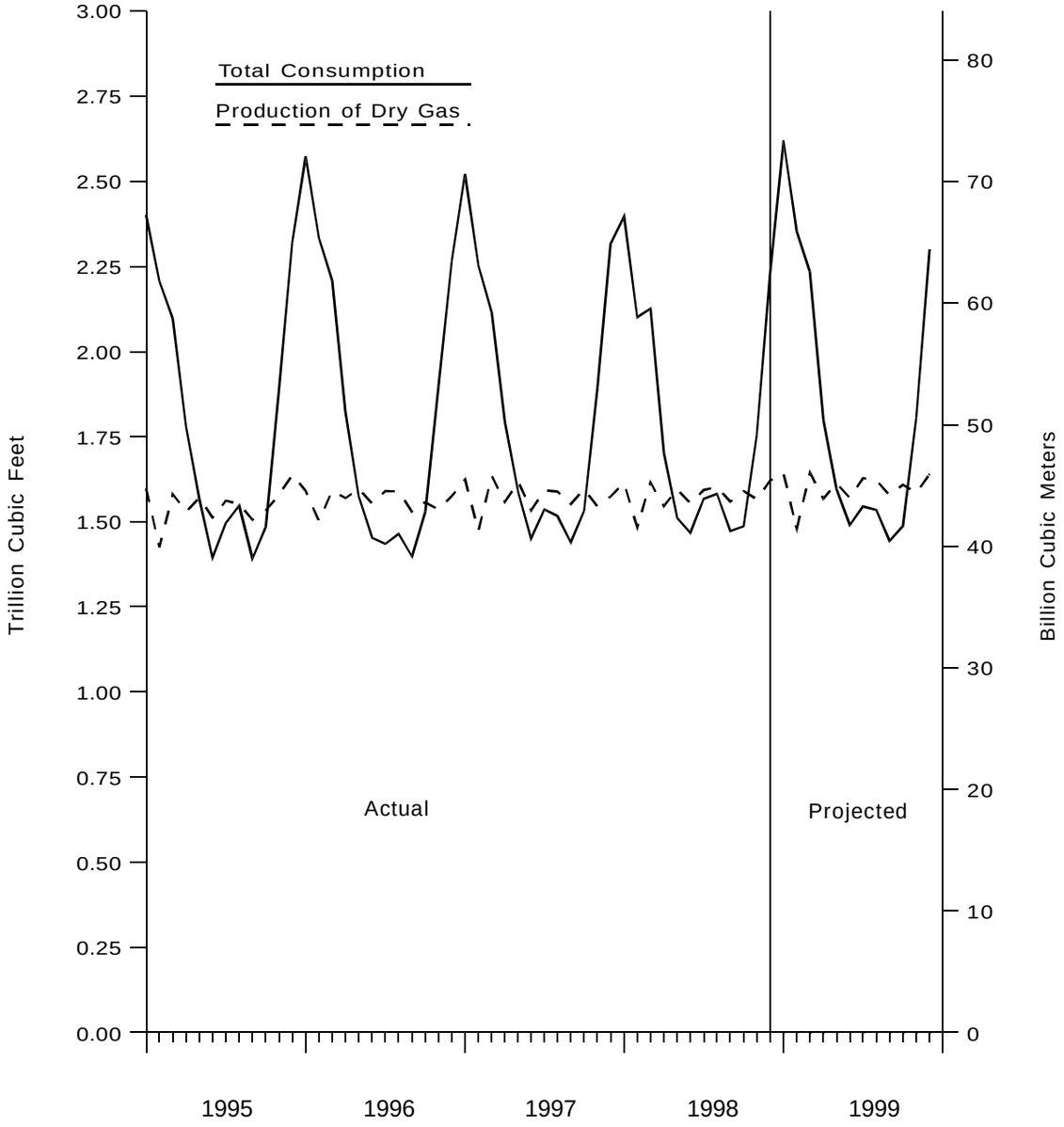
[E] = Estimated Data.

[RE] = Revised Estimated Data.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1992-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996,* 1994-1995: EIA: Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1995 data only), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-191, " Monthly Underground Gas Storage Report," Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," EIA computations and *Natural Gas Annual 1996.* January 1997 through current month: EIA, Form EIA-895, "Monthly Quantity of Natural Gas Report," Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports. See Appendix A for dicussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1995-1999



Sources: 1995 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook* (October 1997).

Table 3. Natural Gas Consumption in the United States, 1992-1998

(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel[a]	Pipeline Fuel[b]	Delivered to Consumers					Total Consumption
			Residential	Commercial	Industrial	Electric Utilities	Total	
1992 Total	1,171	588	4,690	[c]2,803	7,527	2,766	17,786	19,544
1993 Total	1,172	624	4,956	[c]2,863	7,981	2,682	18,483	20,279
1994 Total	1,124	685	4,848	[c]2,897	8,167	2,987	18,899	20,708
1995 Total	1,220	700	4,850	[c]3,034	8,580	3,197	19,660	21,581
1996								
January	106	85	934	480	800	168	2,382	2,574
February	101	77	831	443	747	137	2,158	2,335
March	106	72	705	387	781	156	2,030	2,209
April	104	59	474	284	736	170	1,663	1,826
May	106	50	271	183	701	264	1,420	1,576
June	102	46	162	133	710	299	1,305	1,454
July	105	46	124	126	677	358	1,285	1,436
August	105	47	118	123	704	367	1,312	1,465
September	102	45	138	124	706	285	1,253	1,399
October	104	49	243	171	737	226	1,378	1,531
November	103	62	503	295	764	170	1,732	1,896
December	105	74	738	409	807	132	2,086	2,266
Total	1,250	711	5,241	[c]3,161	8,870	2,732	20,006	21,967
1997								
January	[R]104	[R]88	[R]902	[R]475	[R]816	139	[R]2,332	[R]2,523
February	[R]94	[R]78	[R]757	[R]421	[R]759	143	[R]2,081	[R]2,253
March	[R]104	[R]73	[R]606	[R]360	[R]782	190	[R]1,938	[R]2,115
April	[R]99	[R]61	[R]433	[R]270	[R]739	193	1,635	1,795
May	[R]102	[R]54	[R]284	[R]204	[R]713	[R]232	[R]1,432	[R]1,588
June	[R]97	[R]49	[R]164	[R]154	[R]690	[R]297	[R]1,305	[R]1,451
July	[R]101	[R]52	[R]128	[R]144	[R]683	[R]429	[R]1,385	[R]1,537
August	[R]101	[R]51	118	[R]140	[R]717	391	[R]1,366	1,518
September	[R]99	[R]49	[R]129	[R]142	[R]689	333	1,293	[R]1,440
October	[R]102	[R]52	[R]234	[R]190	[R]711	[R]244	[R]1,380	[R]1,534
November	[R]99	[R]65	[R]497	[R]306	[R]748	180	[R]1,731	[R]1,895
December	[R]101	[R]81	731	[R]411	[R]796	[R]197	[R]2,135	[R]2,317
Total	[R]1,202	[R]752	[R]4,984	[R]3,223	[R]8,843	[R]2,968	[R]20,018	[R]21,972
1998								
January	[RE]106	[R]82	794	446	799	171	2,210	[R]2,398
February	[E]98	[R]72	680	389	730	134	1,933	[R]2,102
March	[RE]106	[R]73	636	369	749	194	1,948	[R]2,127
April	[E]102	[R]58	405	254	694	190	1,543	[R]1,703
May	[RE]105	[R]52	219	175	668	293	1,355	[R]1,512
June	[RE]102	[R]50	152	145	641	379	1,316	[R]1,469
July	[RE]105	[R]54	123	154	683	449	1,409	[R]1,568
August	[E]105	54	115	165	686	458	1,424	1,583
September(STIFS)	[E]101	[E]48	[E]124	[E]148	[E]690	[NA]	[E]1,324	[E]1,473
October(STIFS)	[E]104	[E]51	[E]218	[R]175	[RE]703	[NA]	[RE]1,332	[RE]1,488
November(STIFS)	[E]103	[E]60	[E]413	[E]266	[E]722	[NA]	[E]1,592	[E]1,755
1998 YTD[d]	[E]1,138	[E]653	[E]3,880	[E]2,684	[E]7,764	2,268	[E]17,386	[E]19,177
1997 YTD	1,101	671	4,253	2,807	8,047	2,015	17,878	19,651
1996 YTD	1,145	637	4,504	2,749	8,064	1,919	17,916	19,699

[a] Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production 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 twelve months.

[b] Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption (excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

[c] Vehicle fuel deliveries, in billion cubic feet, were 0.4 in 1991, 0.5 in 1992, 1.0 in 1993, 1.7 in 1994, 2.7 in 1995 and 2.9 in 1996.

[d] Year-to-date volume represents months for which volume information is available in the current year.

[R] = Revised Data.

[E] = Estimated Data.

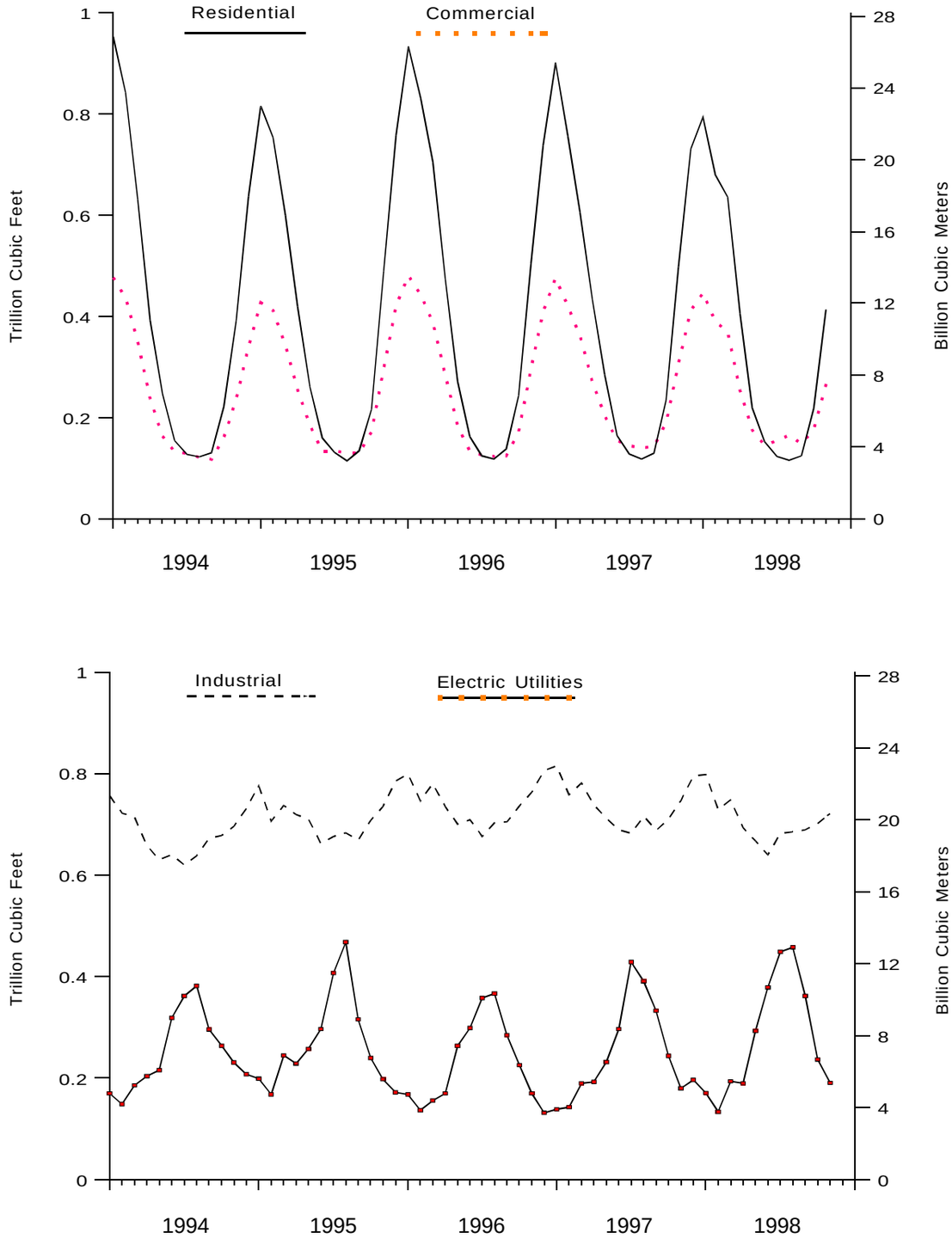
[RE] = Revised Estimated Data.

[NA] = Not Available.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1992-1996: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895 "Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1996.* January 1997 through the current month: EIA: Form 895, "Monthly Quantity of Natural Gas Report," Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1994-1998



Sources: *Natural Gas Annual*, Form EIA-857, and Form EIA-759.

Table 4. Selected National Average Natural Gas Prices, 1992-1998

(Dollars per Thousand Cubic Feet)

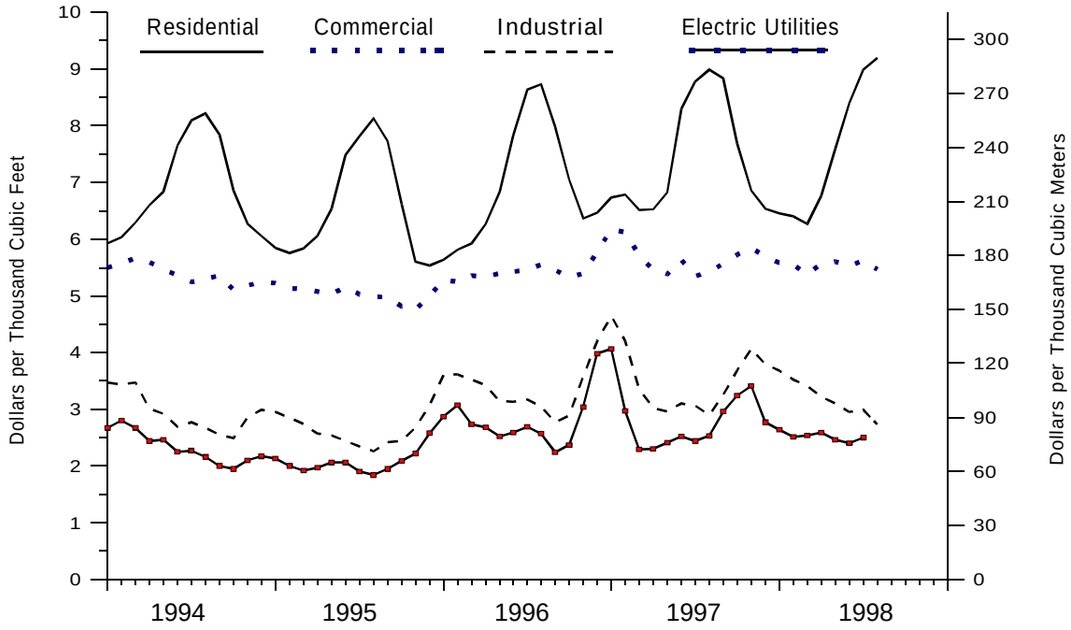
Year and Month	Wellhead Price[a]	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total[b]	Price	% of Total[b]	
1992 Annual Average	1.74	3.01	5.89	4.88	83.2	2.84	30.3	2.36
1993 Annual Average	2.04	3.21	6.16	5.22	83.9	3.07	29.7	2.61
1994 Annual Average	1.85	3.07	6.41	5.44	79.3	3.05	25.5	2.28
1995 Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02
1996								
January	2.05	3.14	5.64	5.29	83.2	3.61	22.0	2.87
February	1.89	3.16	5.82	5.25	83.3	3.61	22.7	3.07
March	1.95	3.17	5.93	5.36	81.8	3.52	22.3	2.73
April	2.08	3.22	6.27	5.34	79.5	3.42	20.5	2.68
May	2.01	3.18	6.84	5.40	74.6	3.14	18.7	2.52
June	2.08	3.41	7.83	5.43	70.0	3.13	16.7	2.59
July	2.25	3.49	8.64	5.46	67.8	3.17	18.6	2.69
August	2.10	3.46	8.73	5.56	66.3	3.05	17.4	2.57
September	1.85	3.05	7.99	5.46	67.1	2.77	16.9	2.24
October	1.94	2.94	7.05	5.33	69.1	2.89	17.2	2.37
November	2.50	3.46	6.37	5.40	75.7	3.57	18.5	3.04
December	3.26	4.18	6.47	5.78	78.1	4.20	20.0	3.98
Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69
1997								
January	[R]3.40	[R]4.28	6.74	[R]6.18	[R]78.8	4.65	[R]21.6	[R]4.06
February	[R]2.49	[R]3.76	[R]6.79	[R]6.13	[R]78.4	[R]4.20	[R]19.7	[R]2.97
March	[R]1.79	[R]3.04	[R]6.52	[R]5.72	[R]74.0	[R]3.35	[R]18.8	[R]2.29
April	[R]1.81	[R]2.92	[R]6.53	[R]5.46	[R]71.8	[R]3.02	[R]18.4	[R]2.30
May	[R]2.00	[R]3.11	[R]6.83	5.39	[R]65.5	[R]2.96	[R]18.1	[R]2.41
June	[R]2.08	[R]3.41	[R]8.30	[R]5.64	[R]61.7	[R]3.10	[R]17.4	[R]2.52
July	[R]2.00	[R]3.44	[R]8.78	[R]5.35	[R]59.5	[R]3.06	[R]15.3	[R]2.44
August	[R]2.08	[R]3.34	[R]8.99	[R]5.43	[R]57.9	[R]2.90	[R]15.6	[R]2.53
September	[R]2.33	[R]3.50	[R]8.84	[R]5.57	[R]59.5	[R]3.25	[R]15.1	[R]2.96
October	[R]2.68	[R]3.86	[R]7.69	5.73	[R]62.9	[R]3.69	[R]16.8	[R]3.24
November	[R]2.92	NA	[R]6.86	[R]5.85	[R]70.4	[R]4.07	[R]18.0	[R]3.41
December	[R]2.28	[R]3.42	[R]6.54	[R]5.70	[R]72.8	3.79	[R]17.2	[R]2.77
Annual Average	2.32	NA	6.94	5.79	[R]70.8	[R]3.59	[R]17.7	[R]2.74
1998								
January	[RE]1.89	3.28	6.46	5.59	72.4	3.68	14.9	2.64
February	[RE]1.80	3.08	6.41	5.56	71.0	3.52	15.3	2.51
March	[RE]1.95	3.22	6.27	5.38	71.7	3.41	16.5	2.54
April	[RE]2.02	3.22	6.77	5.57	67.0	3.22	15.0	2.59
May	[RE]1.96	3.11	7.59	5.61	60.3	3.10	13.9	2.46
June	[RE]1.78	2.97	8.40	5.53	60.0	2.95	14.0	2.40
July	[RE]2.05	3.34	8.99	5.63	51.2	2.99	12.6	2.50
August	[E]1.68	3.18	9.20	5.47	46.4	2.73	13.6	NA
1998 YTD[c]	[E]1.89	3.18	6.82	5.54	65.9	3.23	14.5	2.50
1997 YTD	2.21	3.53	6.92	5.82	72.0	3.49	18.2	2.60
1996 YTD	2.05	3.23	6.21	5.34	79.1	3.36	20.0	2.70

[a] See Appendix A, Explanatory Note 8, of the *Natural Gas Monthly (NGM)*for discussion of wellhead prices.
[b] Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 24 for breakdown by State.
[c] Year-to-date price represents months for which price information is available in the current year.
[R] = Revised Data.
[E] = Estimated Data.
[RE] = Revised Estimated Data.
NA = Not Available.

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

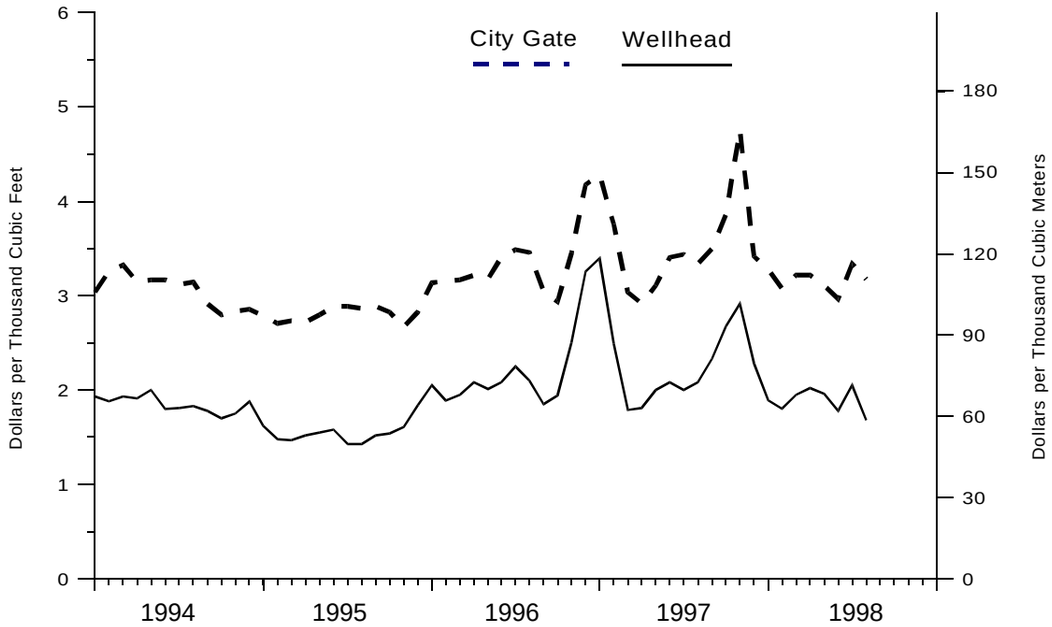
Sources: 1990-1996: Energy Information Administration (EIA) *Natural Gas Annual 1996.* 1997 forward: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. January 1997 through current month: See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the United States, 1994-1998



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1994-1998



Source: Table 4.

Table 5. U.S. Natural Gas Imports, by Country, 1992-1998

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Algeria		Other			
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1992 Total	2,094,387	1.84	—	—	43,116	2.54	—	—	2,137,504	1.85
1993 Total	2,266,751	2.02	1,678	1.94	81,685	2.20	—	—	2,350,115	2.03
1994 Total	2,566,049	1.86	7,013	1.99	50,778	2.28	—	—	2,623,839	1.87
1995 Total	2,816,408	1.48	6,722	1.53	17,918	2.30	—	—	2,841,048	1.49
1996										
January	259,656	2.08	1,499	2.03	2,460	2.81	—	—	263,615	2.09
February	230,546	1.94	698	2.14	2,512	2.79	—	—	233,756	1.95
March	237,668	1.91	1,259	2.34	2,599	3.06	—	—	241,526	1.92
April	230,928	1.86	1,369	2.18	4,559	2.43	—	—	236,857	1.87
May	245,522	1.70	4,024	2.14	2,612	2.58	—	—	252,158	1.72
June	225,875	1.70	711	2.35	0	—	—	—	226,587	1.70
July	232,908	1.82	1,313	2.58	2,642	3.00	—	—	236,864	1.84
August	235,199	1.80	30	1.70	2,629	2.56	—	—	237,858	1.80
September	234,206	1.60	770	1.69	0	—	[a]2,524	3.34	237,500	1.62
October	241,294	1.68	1,110	2.37	5,116	2.96	—	—	247,520	1.71
November	245,795	2.25	982	2.85	5,031	2.59	—	—	251,807	2.26
December	263,681	3.00	96	3.30	5,164	2.51	[a]2,425	3.57	271,366	3.00
Total	2,883,277	1.96	13,862	2.25	35,325	2.70	4,949	3.45	2,937,413	1.97
1997										
January	266,756	3.27	1,555	3.09	7,560	2.78	[a]2,417	3.68	278,288	3.26
February	230,352	2.50	2,526	2.49	7,667	3.00	—	—	240,545	2.52
March	251,328	1.70	3,127	1.83	2,530	2.98	—	—	256,985	1.72
April	235,431	1.66	189	1.92	2,557	2.23	—	—	238,178	1.67
May	234,345	1.81	2,380	2.03	2,552	2.20	[b]2,455	2.68	241,732	1.83
June	225,366	1.87	1,692	2.20	5,059	2.49	—	—	232,118	1.88
July	229,479	1.82	1,088	1.98	5,026	2.48	—	—	235,593	1.84
August	237,142	1.81	6	2.35	7,535	2.43	—	—	244,684	1.83
September	232,090	2.00	29	2.47	5,030	2.41	[b]2,337	2.88	239,486	2.01
October	245,742	2.32	965	2.92	5,050	2.70	—	—	251,758	2.33
November	257,782	2.71	1,874	2.82	7,542	2.89	[b]4,893	3.07	272,091	2.72
December	253,338	2.17	1,810	2.12	7,567	2.88	—	—	262,716	2.19
Total	2,899,152	2.15	17,243	2.32	65,675	2.67	12,103	3.08	2,994,173	2.17
1998										
January	273,189	2.02	56	2.11	10,105	2.89	—	—	283,351	2.05
February	235,288	1.95	2,824	1.97	7,607	2.83	[b]2,171	3.84	247,890	1.99
March	258,067	1.99	382	2.20	5,166	3.12	—	—	263,615	2.01
April	242,191	2.00	3,251	2.37	2,549	2.20	—	—	247,991	2.01
May	242,041	1.98	846	2.15	7,596	2.52	—	—	250,483	2.00
June	243,259	1.92	5	2.21	5,125	2.39	[b]2,441	2.79	250,830	1.94
July	256,506	NA	[E]1,000	NA	5,086	NA	—	—	[E]262,593	NA
August	264,195	NA	[E]1,000	NA	2,540	NA	[b]2,321	NA	[E]270,057	NA
September	[E]261,844	NA	[E]790	NA	5,133	NA	—	—	[E]267,767	NA
1998 YTD	[E]2,276,580	NA	[E]10,154	NA	50,908	NA	6,933	NA	[E]2,344,575	NA
1997 YTD	2,142,290	2.06	12,592	2.22	45,516	2.60	7,210	3.08	2,207,608	2.08
1996 YTD	2,132,508	1.83	11,674	2.18	20,014	2.72	2,524	3.34	2,166,720	1.84

[a] Received from the United Arab Emirates.
[b] Received from Australia.
[E] = Estimated Data.
NA = Not Available.
— = Not Applicable.

Sources: 1991-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1992-1998

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG		Total	
	Canada		Mexico		Japan			
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1992 Total	67,777	1.83	95,973	1.90	52,532	3.43	216,282	2.25
1993 Total	44,518	2.14	39,676	2.02	55,989	3.34	140,183	2.59
1994 Total	52,556	2.42	46,500	1.68	62,682	3.18	161,738	2.50
1995 Total	27,554	1.96	61,283	1.50	65,283	3.41	154,119	2.39
1996								
January	7,044	3.13	1,607	1.98	5,534	3.38	14,186	3.10
February	5,207	2.71	2,000	1.82	5,621	3.35	12,828	2.85
March	6,616	2.79	2,860	1.81	5,642	3.55	15,118	2.88
April	2,430	2.21	1,924	1.69	5,654	3.57	10,008	2.88
May	2,809	2.15	1,899	1.84	3,750	3.61	8,458	2.73
June	3,001	2.25	3,486	2.16	5,651	3.65	12,138	2.87
July	3,777	2.45	3,062	2.24	7,546	3.66	14,385	3.04
August	2,197	2.30	9,176	2.11	5,663	3.67	17,036	2.65
September	2,514	1.94	2,389	1.73	5,663	3.73	10,566	2.85
October	4,311	1.97	1,990	1.85	5,589	3.84	11,889	2.83
November	6,776	2.77	1,533	2.56	5,670	4.01	13,979	3.25
December	5,222	3.67	1,914	3.72	5,665	3.73	12,801	3.70
Total	51,905	2.67	33,840	2.11	67,648	3.65	153,393	2.97
1997								
January	4,193	4.08	2,231	4.08	5,604	4.25	12,028	4.16
February	5,169	3.02	1,677	2.32	5,596	4.20	12,443	3.46
March	9,115	2.05	1,486	1.55	5,675	4.16	16,276	2.74
April	5,168	1.78	3,044	1.83	5,660	4.06	13,872	2.72
May	4,107	2.08	2,177	1.96	3,812	3.83	10,097	2.72
June	3,162	2.28	2,579	2.14	3,786	3.72	9,527	2.81
July	3,257	2.14	3,122	2.17	3,756	3.66	10,136	2.71
August	3,820	2.15	6,282	2.37	7,532	3.62	17,633	2.86
September	3,129	2.37	6,159	2.59	3,767	3.58	13,055	2.83
October	2,432	2.85	4,182	2.87	5,676	3.58	12,289	3.19
November	5,579	3.10	1,782	3.16	5,691	3.66	13,051	3.35
December	7,318	2.58	3,650	2.30	5,631	3.58	16,600	2.86
Total	56,447	2.52	38,372	2.46	62,187	3.83	157,006	3.02
1998								
January	5,056	2.53	4,257	2.11	7,446	3.67	16,759	2.93
February	4,474	2.14	3,119	2.06	3,726	3.42	11,319	2.54
March	7,818	2.25	4,204	2.14	7,435	3.09	19,457	2.55
April	4,409	2.47	2,676	2.22	5,702	2.81	12,787	2.57
May	2,083	2.28	6,123	2.12	1,891	2.70	10,097	2.26
June	3,404	1.73	5,618	1.98	5,695	3.09	14,717	2.35
July	[E]3,800	NA	[E]5,775	NA	5,681	NA	[E]15,256	NA
August	[E]3,800	NA	[E]6,000	NA	5,676	NA	[E]15,476	NA
September	[E]3,800	NA	[E]5,800	NA	7,584	NA	[E]17,184	NA
1998 YTD	[E]38,644	NA	[E]43,572	NA	50,836	NA	[E]133,052	NA
1997 YTD	41,118	2.41	28,758	2.37	45,189	3.92	115,066	2.99
1996 YTD	35,595	2.58	28,403	1.99	50,725	3.58	114,723	2.87

[E] = Estimated Data.
NA = Not Available.

Sources: 1991-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1992-1998
(Million Cubic Feet)

Year and Month	Alabama[b]	Alaska	Arizona	California	Colorado	Florida	Kansas
1992 Total	355,099	443,597	771	365,632	323,041	6,657	658,007
1993 Total	388,024	430,350	597	315,851	400,985	7,085	686,347
1994 Total	515,272	555,402	752	309,427	453,207	7,486	712,730
1995 Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996							
January	45,653	44,655	41	20,714	48,619	518	62,976
February	42,668	40,433	42	22,910	45,504	493	62,683
March	45,334	43,738	45	24,686	47,843	460	63,027
April	43,868	39,694	36	23,988	45,293	456	60,858
May	45,160	36,348	39	24,091	46,893	483	62,194
June	43,319	37,334	45	23,281	45,212	503	56,318
July	43,257	37,272	30	24,495	45,570	500	57,095
August	43,873	37,239	43	24,547	51,269	540	55,144
September	42,834	38,039	31	23,826	45,437	537	55,563
October	42,200	41,204	34	24,261	50,245	468	57,589
November	45,395	40,706	37	24,493	49,824	517	58,460
December	47,278	44,166	40	25,203	50,363	531	60,890
Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997							
January	[R]48,213	[R]43,497	46	[R]24,430	[R]52,755	[R]527	[R]60,198
February	[R]46,024	[R]39,391	41	[R]21,876	[R]48,424	[R]512	[R]55,275
March	[R]51,313	[R]42,625	42	[R]23,910	[R]53,954	[R]610	60,099
April	[R]51,246	[R]38,687	39	[R]23,248	[R]52,529	[R]554	[R]58,357
May	[R]48,802	[R]35,427	36	[R]23,590	[R]52,376	[R]541	61,661
June	[R]47,342	[R]36,344	28	[R]22,928	[R]50,715	[R]450	[R]59,996
July	[R]46,370	[R]36,284	31	23,981	[R]52,964	[R]514	58,234
August	[R]46,314	[R]36,270	30	[R]23,841	[R]54,041	[R]505	[R]61,937
September	[R]48,911	[R]37,041	[R]30	[R]23,760	[R]52,742	[R]519	49,658
October	[R]50,634	[R]40,095	34	[R]24,437	[R]54,260	[R]452	53,815
November	[R]49,734	[R]39,631	57	[R]24,792	[R]55,549	[R]439	54,152
December	[R]48,368	[R]43,020	39	24,896	[R]57,064	[R]491	53,834
Total	[R]583,272	[R]468,311	[R]452	[R]285,690	[R]637,375	[R]6,114	[R]687,215
1998							
January	32,739	43,715	43	24,810	53,025	479	[RE]51,399
February	29,230	38,016	42	21,719	51,770	436	[RE]48,969
March	33,505	41,026	53	22,869	56,834	466	[RE]50,055
April	32,406	[RE]35,918	43	21,952	55,760	480	[RE]49,045
May	33,656	[RE]33,162	38	23,889	56,151	512	[RE]50,901
June	[R]33,257	[RE]33,719	34	[R]24,837	[R]54,493	428	[RE]48,050
July	[E]33,687	[E]34,166	42	27,152	56,370	504	[E]48,048
1998 YTD	[E]228,481	[E]259,723	293	167,228	384,403	3,304	[E]346,466
1997 YTD	339,311	272,255	263	163,963	363,718	3,708	413,820
1996 YTD	309,261	279,474	278	164,165	324,934	3,412	425,149

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1992-1998

(Million Cubic Feet) — Continued

Year and Month	Louisiana[b]	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1992 Total	4,914,300	194,815	91,697	53,867	1,268,863	54,883	2,017,356
1993 Total	4,991,138	204,635	80,695	54,528	1,409,429	59,851	2,049,942
1994 Total	5,169,705	222,657	63,448	50,416	1,557,689	57,805	1,934,864
1995 Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996							
January	437,274	21,912	8,089	4,503	135,594	4,276	143,693
February	412,611	18,686	7,386	4,266	126,370	3,880	139,115
March	446,371	11,208	8,385	4,443	138,091	4,164	131,701
April	436,014	32,072	8,225	4,098	132,572	4,122	147,949
May	451,148	18,021	9,026	4,244	138,946	4,273	149,425
June	434,668	23,572	8,983	3,496	131,778	3,990	143,675
July	449,052	27,119	9,335	3,603	125,193	4,047	146,451
August	449,461	23,261	9,193	4,050	126,967	4,096	148,463
September	431,768	20,208	8,641	4,172	122,040	4,185	143,302
October	421,252	20,374	8,996	4,668	123,570	4,246	150,322
November	427,566	16,081	8,487	4,521	124,377	4,216	146,828
December	443,563	13,227	8,518	4,933	128,590	4,178	143,965
Total	5,240,747	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997							
January	[R]445,257	[R]34,940	[R]8,253	[R]4,654	[R]135,263	[R]3,952	144,608
February	[R]405,366	[R]16,875	7,807	[R]4,451	[R]122,656	[R]3,899	[R]134,455
March	[R]447,802	[R]24,790	8,470	[R]4,836	[R]137,830	[R]4,453	[R]147,098
April	[R]431,010	[R]12,944	8,120	[R]4,654	[R]132,438	[R]4,364	[R]136,246
May	[R]443,269	[R]39,819	8,611	[R]4,561	[R]136,553	[R]4,539	[R]142,336
June	[R]425,934	[R]19,314	8,893	[R]3,808	[R]125,256	[R]4,348	[R]138,038
July	[R]434,326	[R]40,026	8,636	[R]4,114	[R]131,806	[R]4,427	[R]144,769
August	[R]438,965	[R]18,597	9,626	[R]4,213	[R]134,140	[R]4,486	[R]147,528
September	[R]430,599	[R]22,451	9,162	[R]4,199	[R]128,915	[R]4,381	[R]150,488
October	[R]445,702	[R]20,297	10,084	[R]3,150	[R]134,623	[R]4,508	[R]145,054
November	[R]434,908	[R]26,013	9,683	[R]4,706	[R]120,856	[R]4,416	[R]135,537
December	[R]446,682	[R]29,885	9,955	[R]5,091	[R]118,298	[R]4,629	[R]137,731
Total	[R]5,229,821	[R]305,950	[R]107,300	[R]52,437	[R]1,558,633	[R]52,401	[R]1,703,888
1998							
January	463,097	28,439	9,639	[RE]5,058	142,312	4,623	145,522
February	422,324	28,259	8,574	[RE]4,668	142,383	4,020	134,651
March	468,307	30,719	9,781	[RE]5,018	141,671	4,337	142,541
April	449,961	17,983	8,957	[RE]4,714	140,963	4,284	134,885
May	461,826	29,164	9,121	[RE]4,672	140,258	4,488	142,725
June	454,466	[R]26,962	8,586	[RE]3,805	[RE]131,574	4,210	137,906
July	454,506	[E]36,062	9,258	[E]3,990	[E]132,121	4,384	140,664
1998 YTD	3,174,487	[E]197,589	63,916	[E]31,925	[E]971,282	30,344	978,894
1997 YTD	3,032,964	188,708	58,790	31,079	921,802	29,982	987,549
1996 YTD	3,067,137	152,590	59,428	28,652	928,544	28,753	1,002,008

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1992-1998

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas[c]	Utah	Wyoming	Other[a] States	U.S. Total
1992 Total	2,580	6,145,862	171,293	842,576	800,913	18,711,808
1993 Total	4,003	6,249,624	225,401	634,957	788,472	18,981,915
1994 Total	3,221	6,353,844	270,858	696,018	774,724	19,709,525
1995 Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996						
January	120	545,658	19,998	58,691	69,638	1,672,623
February	75	512,557	18,027	56,037	66,726	1,580,472
March	105	552,700	21,650	57,270	72,373	1,673,596
April	121	529,015	20,864	54,662	65,643	1,649,552
May	140	547,843	21,035	52,805	67,061	1,679,176
June	132	533,168	20,759	59,346	64,752	1,634,329
July	146	557,986	20,573	55,519	64,500	1,671,743
August	117	550,499	21,137	54,567	66,523	1,670,989
September	132	529,524	21,589	51,949	65,361	1,609,140
October	133	543,264	22,152	53,649	69,163	1,637,792
November	113	517,147	21,606	53,990	70,997	1,615,362
December	102	529,659	21,376	57,551	71,875	1,656,019
Total	1,439	6,449,022	250,767	666,036	814,612	19,750,793
1997						
January	105	[R]554,934	21,782	[R]59,016	[R]66,837	[R]1,709,269
February	98	[R]506,768	19,115	[R]55,848	[R]59,897	[R]1,548,774
March	101	[R]564,269	21,912	[R]61,159	[R]64,286	[R]1,719,559
April	102	[R]539,499	19,570	[R]64,278	[R]61,118	[R]1,639,002
May	102	[R]552,230	22,053	[R]62,726	[R]62,301	[R]1,701,532
June	97	[R]529,765	19,815	[R]59,667	[R]59,069	[R]1,611,809
July	98	[R]546,610	21,711	[R]60,324	[R]58,493	[R]1,673,719
August	99	[R]548,267	21,024	[R]61,091	[R]59,686	[R]1,670,660
September	86	[R]525,836	22,007	[R]64,678	[R]56,803	[R]1,632,265
October	97	[R]540,150	23,006	[R]64,992	[R]62,912	[R]1,678,302
November	91	[R]519,274	22,840	[R]62,181	[R]60,863	[R]1,625,720
December	96	[R]526,271	22,307	[R]62,410	[R]64,414	[R]1,655,481
Total	1,173	[R]6,453,873	257,139	[R]738,368	[R]736,679	[R]19,866,093
1998						
January	90	542,462	21,826	66,074	[RE]61,837	[RE]1,697,189
February	79	491,530	21,758	53,970	[RE]57,200	[RE]1,559,599
March	96	541,311	23,656	65,704	[RE]61,188	[RE]1,699,137
April	92	525,602	23,513	61,974	[RE]57,188	[RE]1,625,721
May	92	550,442	24,967	54,304	[RE]58,146	[RE]1,678,514
June	90	527,613	[R]23,968	63,574	[RE]56,699	[RE]1,634,270
July	95	547,880	[E]25,324	64,917	[E]55,998	[E]1,675,167
1998 YTD	634	3,726,840	[E]165,012	430,518	[E]408,257	[E]11,569,596
1997 YTD	704	3,794,076	145,956	423,017	432,001	11,603,665
1996 YTD	841	3,778,929	142,907	394,330	470,692	11,561,491

[a] Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1997 monthly values for these States are estimated.

[b] All data for 1991 through 1996 include Federal Offshore production. For 1997 and 1998, data for Alabama exclude Federal Offshore production and data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore production.

[c] Federal offshore production volumes are included.

[R] = Revised Data.

[E] = Estimated Data.

[RE] = Revised Estimated Data.

Notes: Data for 1991 through 1996 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1991-1996: Energy Information Administration (EIA), *Natural Gas Annual 1996*.1997 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State, July 1998

(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro-carbon Gases Removed[a]	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	[E]36,510	[E]712	[E]37,222	[E]1,205	[E]2,186	[E]144	[E]33,687
Alaska	[E]13,643	[E]229,096	[E]242,739	[E]208,092	0	[E]480	[E]34,166
Arizona	37	4	42	0	0	0	42
California	6,950	27,522	34,472	7,080	161	79	27,152
Colorado	49,268	7,950	57,218	626	0	222	56,370
Florida	0	569	569	0	65	0	504
Kansas	[E]44,324	[E]3,854	[E]48,178	[E]82	0	[E]48	[E]48,048
Louisiana	399,962	60,126	460,088	3,608	0	1,974	454,506
Michigan	[E]29,350	[E]7,338	[E]36,688	[E]258	0	[E]367	[E]36,062
Mississippi	9,893	1,086	10,979	764	720	238	9,258
Montana	[E]3,530	[E]618	[E]4,148	[E]5	0	[E]154	[E]3,990
New Mexico	[E]124,713	[E]21,618	[E]146,331	[E]891	[E]13,082	[E]237	[E]132,121
North Dakota	1,509	3,378	4,887	0	5	498	4,384
Oklahoma	128,014	12,650	140,664	0	0	0	140,664
Oregon	112	0	112	4	13	0	95
Texas	485,784	117,545	603,329	39,044	13,867	2,538	547,880
Utah	[E]22,590	[E]3,844	[E]26,434	[E]46	0	[E]1,064	[E]25,324
Wyoming	100,007	5,321	105,327	12,761	13,815	13,833	64,917
Other States	[E]53,001	[E]3,797	[E]56,799	[E]154	[E]507	[E]140	[E]55,998
Total	[E]1,509,198	[E]507,029	[E]2,016,227	[E]274,621	[E]44,423	[E]22,016	[E]1,675,167

[a] See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.
[E] = Estimated Data.
Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.
Source: Form EIA-895, "Monthly Quantity of Natural Gas Report."

Table 9. Underground Natural Gas Storage - All Operators, 1992-1998

(Volumes in Billion Cubic Feet)

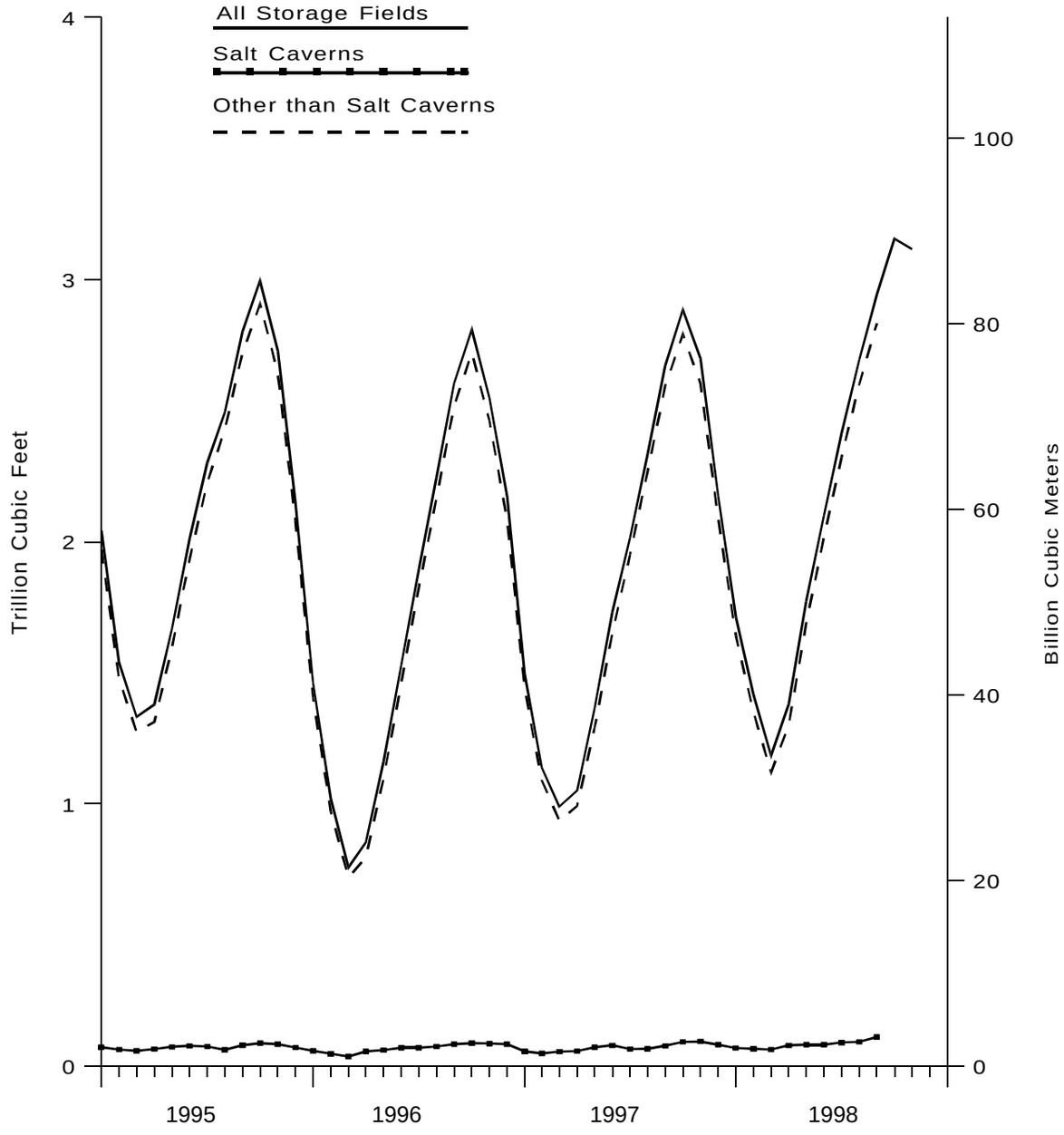
Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total[b]	Volume	Percent	Injections	Withdrawals	Net Withdrawals[c]
1992 Total[a]	4,044	2,597	6,641	-227	-8.0	2,555	2,724	168
1993 Total[a]	4,327	2,322	6,649	-275	-10.6	2,760	2,717	-43
1994 Total[a]	4,360	2,606	6,966	284	12.2	2,796	2,508	-288
1995 Total[a]	4,349	2,153	6,503	-453	3.1	2,566	2,974	408
1996								
January	4,354	1,462	5,817	-583	-28.5	49	749	700
February	4,349	1,021	5,369	-521	-33.8	97	544	447
March	4,290	758	5,048	-574	-43.1	80	403	323
April	4,312	854	5,166	-525	-38.1	227	112	-115
May	4,332	1,161	5,493	-507	-30.4	373	45	-328
June	4,341	1,529	5,870	-485	-24.1	410	35	-375
July	4,336	1,898	6,234	-404	-17.5	418	49	-370
August	4,332	2,245	6,577	-250	-10.0	400	54	-346
September	4,338	2,605	6,943	-197	-7.0	398	32	-366
October	4,335	2,810	7,145	-186	-6.2	276	73	-203
November	4,339	2,549	6,889	-179	-6.6	90	354	264
December	4,341	2,173	6,513	19	0.9	86	461	374
Total	—	—	—	—	—	2,906	2,911	6
1997								
January	[R]4,347	1,496	[R]5,843	[R]32	2.3	[R]68	[R]753	684
February	4,342	[R]1,139	[R]5,481	[R]118	[R]11.6	55	413	358
March	[R]4,345	[R]990	[R]5,336	[R]232	30.7	131	285	155
April	4,342	1,051	5,393	[R]196	23.1	205	146	[R]-59
May	[R]4,340	[R]1,365	[R]5,704	[R]202	[R]17.5	362	41	-321
June	4,357	[R]1,731	[R]6,088	[R]202	13.2	[R]407	[R]42	[R]-365
July	4,356	[R]2,017	[R]6,372	[R]119	[R]6.3	[R]361	78	[R]-282
August	4,357	[R]2,338	[R]6,695	[R]93	[R]4.2	378	56	-322
September	4,360	2,672	[R]7,033	67	2.6	380	44	-336
October	4,358	2,886	7,244	75	2.7	[R]294	84	[R]-210
November	[R]4,359	[R]2,699	7,058	[R]150	5.9	113	302	189
December	4,350	[R]2,175	[R]6,525	[R]2	[R]0.1	45	579	533
Total	—	—	—	—	—	[R]2,800	[R]2,824	[R]24
1998								
January	4,344	1,711	6,055	215	14.4	68	534	466
February	4,338	1,418	5,756	278	24.4	74	373	299
March	4,339	1,184	5,523	193	19.5	136	377	241
April	4,336	1,381	5,718	330	31.4	277	78	-198
May	4,338	1,773	6,111	412	30.2	435	42	-393
June	4,343	2,101	6,444	371	21.4	375	52	-323
July	4,337	2,416	6,753	402	20.0	366	52	-314
August	4,333	2,695	7,028	358	15.3	341	58	-283
September	4,337	2,946	7,284	274	10.2	305	78	-227
October(STIFS)	[RE]4,337	[RE]3,157	[RE]7,494	[RE]271	[RE]9.4	NA	NA	[E]-211
November(STIFS)	[E]4,337	[E]3,117	[E]7,454	[E]418	[E]15.5	NA	NA	[E]40

[a] Total as of December 31.
[b] Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1991 - 7,993; 1992 - 7,932; 1993 - 7,989; 1994 - 8,043; 1995 - 7,927; 1996 - 8,159; and 1997 - 8128.
[c] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.
[R] = Revised Data.
[E] = Estimated Data.
[RE] = Revised Estimated Data.
NA = Not Available.
— = Not Applicable.

Notes: Data for 1992 through 1996 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 of the *Natural Gas Monthly* 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. Geographic coverage is the 50 States and the District of Columbia.In January 1995, 2 billion cubic feet was added to base gas for two new respondents. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Figure 5. Underground Natural Gas Storage in the United States, 1995-1998



Sources: Energy Information Administration, Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 10. Underground Natural Gas Storage - by Season, 1993-1998

(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]
March 1996	4,290	758	5,048	-574	-43.1	80	403	323
1996 Refill Season								
April	4,312	854	5,166	-525	-38.1	227	112	-115
May	4,332	1,161	5,493	-507	-30.4	373	45	-328
June	4,341	1,529	5,870	-485	-24.1	410	35	-375
July	4,336	1,898	6,234	-404	-17.5	418	49	-370
August	4,332	2,245	6,577	-250	-10.0	400	54	-346
September	4,338	2,605	6,943	-197	-7.0	398	32	-366
October	4,335	2,810	7,145	-186	-6.2	276	73	-203
Total	—	—	—	—	—	2,502	401	-2,102
1996-97 Heating Season								
November	4,339	2,549	6,889	-179	-6.6	90	354	264
December	4,341	2,173	6,513	19	0.9	86	461	374
January	[R]4,347	1,496	[R]5,843	[R]32	2.3	[R]68	[R]753	684
February	4,342	[R]1,139	[R]5,481	[R]118	[R]11.6	55	413	358
March	[R]4,345	[R]990	[R]5,336	[R]232	30.7	131	285	155
Total	—	—	—	—	—	[R]430	2,266	1,835
1997 Refill Season								
April	4,342	1,051	5,393	[R]196	23.1	205	146	[R]-59
May	[R]4,340	[R]1,365	[R]5,704	[R]202	[R]17.5	362	41	-321
June	4,357	[R]1,731	[R]6,088	[R]202	13.2	[R]407	[R]42	[R]-365
July	4,356	[R]2,017	[R]6,372	[R]119	[R]6.3	[R]361	78	[R]-282
August	4,357	[R]2,338	[R]6,695	[R]93	[R]4.2	378	56	-322
September	4,360	2,672	[R]7,033	67	2.6	380	44	-336
October	4,358	2,886	7,244	75	2.7	[R]294	84	[R]-210
Total	—	—	—	—	—	[R]2,388	[R]492	[R]-1,896
1997-98 Heating Season								
November	[R]4,359	[R]2,699	7,058	[R]150	5.9	113	302	189
December	4,350	[R]2,175	[R]6,525	[R]2	[R]0.1	45	579	533
January	4,344	1,711	6,055	215	14.4	68	534	466
February	4,338	1,418	5,756	278	24.4	74	373	299
March	4,339	1,184	5,523	193	19.5	136	377	241
Total	—	—	—	—	—	436	2,165	1,729
1998 Refill Season								
April	4,336	1,381	5,718	330	31.4	277	78	-198
May	4,338	1,773	6,111	412	30.2	435	42	-393
June	4,343	2,101	6,444	371	21.4	375	52	-323
July	4,337	2,416	6,753	402	20.0	366	52	-314
August	4,333	2,695	7,028	358	15.3	341	58	-283
September	4,337	2,946	7,284	274	10.2	305	78	-227
October(STIFS)	[RE]4,337	[RE]3,157	[RE]7,494	[RE]271	[RE]9.4	NA	NA	[E]-211
Total	—	—	—	—	—	NA	NA	[R]-1,950
1998-99 Heating Season								
November(STIFS)	[E]4,337	[E]3,117	[E]7,454	[E]418	[E]15.5	NA	NA	[E]40

[a] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.
[R] = Revised Data.
[E] = Estimated Data.
[RE] = Revised Estimated Data.
NA = Not Available.
— = Not Applicable.

Notes: Data for 1995 and 1996 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 of the *Natural Gas Monthly* 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. Geographic coverage is the 50 States and the District of Columbia.In January 1995, 2 billion cubic feet was added to base gas for two new respondents. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Underground Natural Gas Storage Report," Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and STIFS.

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1996-1998

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern 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
1996								
January	63	59	122	-14	-19.3	23	41	17
February	63	48	111	-17	-26.2	23	33	10
March	63	38	101	-21	-35.2	21	32	11
April	63	57	120	-9	-13.7	30	10	-20
May	63	62	126	-11	-15.1	19	13	-6
June	63	71	135	-7	-8.9	21	12	-9
July	60	71	131	-5	-6.7	20	14	-6
August	60	76	136	13	20.5	21	16	-5
September	60	85	145	4	5.0	23	13	-9
October	60	88	148	0	0.4	17	14	-3
November	64	87	151	3	4.0	16	20	5
December	64	85	149	14	18.8	25	28	2
Total	—	—	—	—	—	258	246	-13
1997								
January	65	57	122	-2	-3.1	21	[R]51	30
February	59	49	109	2	4.0	15	23	8
March	65	56	121	18	47.3	22	16	-6
April	65	58	123	1	1.8	[R]22	19	[R]-2
May	65	73	138	[R]10	17.3	27	13	-14
June	66	80	145	8	11.7	22	[R]16	-7
July	65	66	131	[R]-6	-7.5	15	[R]30	[R]15
August	65	67	132	[R]-11	-12.4	23	22	[R]0
September	65	78	143	[R]-9	-8.7	[R]27	14	-12
October	66	93	159	[R]4	5.6	30	14	-16
November	67	95	162	[R]7	[R]9.4	25	[R]24	-2
December	67	[R]83	150	[R]-4	[R]-3.0	[R]19	31	12
Total	—	—	—	—	—	[R]267	[R]274	[R]6
1998								
January	66	70	136	13	22.4	17	31	14
February	65	67	132	18	35.9	17	21	3
March	68	64	132	8	14.4	23	28	6
April	68	80	148	22	37.9	29	11	-17
May	68	83	150	9	12.9	26	22	-3
June	66	83	149	3	4.0	21	23	2
July	66	91	157	26	39.2	26	18	-8
August	65	93	158	26	39.5	24	21	-2
September	67	112	179	34	44.2	22	30	9

[R] = Revised Data.
— = Not Applicable.

Notes: Data for 1995 and 1996 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 of the *Natural Gas Monthly* 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. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1996-1998

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern 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
1996								
January	4,291	1,404	5,695	-569	-28.8	26	708	682
February	4,286	973	5,259	-504	-34.1	73	510	437
March	4,228	720	4,948	-553	-43.4	59	371	312
April	4,249	797	5,046	-516	-39.3	197	102	-95
May	4,268	1,099	5,367	-496	-31.1	354	32	-322
June	4,277	1,458	5,735	-478	-24.7	390	23	-366
July	4,276	1,827	6,103	-399	-17.9	398	34	-363
August	4,272	2,169	6,441	-263	-10.8	380	39	-341
September	4,277	2,520	6,797	-201	-7.4	376	19	-357
October	4,275	2,722	6,997	-186	-6.4	259	59	-200
November	4,275	2,462	6,737	-183	-6.9	75	333	259
December	4,277	2,087	6,364	6	0.3	61	433	372
Total	—	—	—	—	—	2,647	2,665	18
1997								
January	[R]4,282	1,439	[R]5,721	[R]34	2.5	[R]47	702	654
February	4,283	[R]1,090	[R]5,372	[R]116	[R]12.0	40	390	350
March	[R]4,280	935	[R]5,215	[R]214	[R]29.8	109	[R]269	[R]160
April	4,277	993	5,270	[R]195	24.6	184	[R]127	-56
May	[R]4,275	[R]1,292	[R]5,566	[R]191	[R]17.6	335	28	-307
June	4,291	1,651	5,942	[R]194	[R]13.3	[R]385	26	[R]-358
July	4,290	[R]1,951	[R]6,241	[R]124	[R]6.8	[R]346	49	[R]-297
August	4,291	[R]2,271	[R]6,563	[R]103	4.7	[R]356	34	[R]-322
September	4,295	2,595	6,890	75	3.0	[R]353	[R]29	-324
October	4,292	2,793	7,085	70	2.6	265	70	-195
November	[R]4,292	[R]2,604	[R]6,896	[R]142	[R]5.8	88	[R]278	191
December	4,283	[R]2,092	[R]6,375	[R]4	[R]0.2	27	548	521
Total	—	—	—	—	—	[R]2,533	[R]2,551	[R]18
1998								
January	4,278	1,641	5,920	202	14.0	51	504	453
February	4,273	1,351	5,624	260	23.9	56	352	296
March	4,271	1,120	5,391	185	19.8	113	349	236
April	4,269	1,301	5,570	308	31.0	248	67	-181
May	4,270	1,691	5,961	402	31.2	409	20	-390
June	4,277	2,018	6,295	367	22.3	354	29	-325
July	4,271	2,324	6,596	376	19.3	340	34	-306
August	4,268	2,602	6,870	332	14.6	317	37	-281
September	4,270	2,834	7,104	240	9.2	283	48	-235

[R] = Revised Data.
— = Not Applicable.

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Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998

(Volumes in Million Cubic Feet)

State	1998						
	September	August	July	June	May	April	March
Alabama	401	-200	9	-623	-144	-245	248
Arkansas	-817	-1,005	-1,034	-1,100	-1,046	-471	1,039
California	-9,990	-7,283	-9,435	-27,493	-29,210	-10,710	-2,257
Colorado	-5,919	-5,877	-4,060	-3,907	-6,040	3,534	3,928
Illinois	-28,122	-31,634	-25,062	-31,348	-25,967	-293	28,186
Indiana	-4,534	-3,695	-2,476	-575	-446	917	4,249
Iowa	-12,149	-12,102	-11,525	-8,405	-3,600	348	6,692
Kansas	-9,284	-12,200	-13,108	-6,267	-19,324	-6,954	14,438
Kentucky	-8,821	-4,533	-10,622	-8,137	-11,793	-2,480	7,768
Louisiana	-9,708	-20,159	-25,597	-14,635	-22,794	-21,191	7,400
Maryland	-783	-1,407	-2,924	-1,251	-808	-1,127	1,631
Michigan	-31,023	-52,128	-60,857	-69,589	-69,296	-31,779	55,388
Minnesota	-275	-214	-289	-169	0	159	416
Mississippi	156	-4,139	-5,961	-2,887	-3,438	-2,757	2,405
Missouri	-414	-203	8	143	-460	48	423
Montana	-4,239	-4,524	-2,295	-2,024	-2,571	224	3,017
Nebraska	-864	-616	-796	-528	-860	754	1,090
New Mexico	-1,185	-208	-191	-180	-1,120	287	658
New York	-5,640	-5,247	-8,108	-8,786	-11,267	-3,673	7,977
Ohio	-19,259	-27,246	-31,220	-25,882	-35,968	-14,906	28,619
Oklahoma	-12,146	-7,189	-7,554	-12,460	-23,277	-21,343	7,159
Oregon	-818	-819	-852	-1,411	0	81	934
Pennsylvania	-27,252	-19,657	-31,998	-34,236	-57,800	-32,842	38,957
Texas	-5,040	-18,629	-18,872	-20,145	-27,286	-40,395	-9,062
Utah	-8,260	-7,385	-7,265	-8,225	-7,364	-596	1,199
Washington	-1,822	-3,640	-312	-2,963	-3,932	1,544	3,329
West Virginia	-16,425	-29,075	-28,560	-26,404	-26,003	-14,607	22,818
Wyoming	-2,602	-2,008	-2,807	-3,406	-1,344	89	2,611
AGA Regions							
Producing	-38,023	-63,530	-72,318	-57,675	-98,285	-92,824	24,038
Eastern Consuming	-154,885	-187,744	-214,131	-215,621	-244,412	-99,884	204,045
Western Consuming	-33,925	-31,751	-27,316	-49,599	-50,461	-5,674	13,177
Total	-226,833	-283,025	-313,764	-322,895	-393,158	-198,382	241,260

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998

(Volumes in Million Cubic Feet) — Continued

State	1998		1997				
	February	January	Total	December	November	October	September
Alabama	187	396	-162	243	243	-251	-262
Arkansas	875	1,057	[R]250	1,526	651	271	-1,048
California	26,766	29,805	[R]16,340	[R]58,418	[R]2,846	[R]-11,717	[R]-6,637
Colorado	6,337	3,510	[R]-525	[R]5,026	[R]2,503	[R]359	[R]-5,203
Illinois	36,082	58,036	[R]-10,153	[R]44,906	[R]2,805	[R]-28,399	[R]-35,655
Indiana	3,322	4,144	[R]984	[R]4,193	[R]-879	[R]-3,088	[R]-4,559
Iowa	5,335	18,905	[R]-6,255	[R]17,041	[R]505	[R]-8,412	[R]-12,825
Kansas	8,180	15,103	[R]-11,372	[R]12,277	[R]8,384	[R]-7,782	[R]-13,351
Kentucky	9,981	9,559	[R]3,013	[R]10,773	[R]4,035	[R]-2,926	-7,983
Louisiana	5,164	21,574	[R]-9,248	[R]43,644	[R]20,997	[R]-24,035	[R]-29,291
Maryland	2,745	3,236	[R]-544	[R]1,298	[R]33	[R]-2,346	[R]-2,838
Michigan	45,886	84,170	[R]-3,388	[R]78,027	[R]53,016	[R]-32,466	[R]-65,209
Minnesota	203	444	[R]-373	[R]4	4	0	-130
Mississippi	4,251	7,431	[R]3,763	[R]8,484	[R]1,089	[R]-2,126	[R]-5,224
Missouri	10	458	-453	228	-207	-215	-240
Montana	2,554	4,421	[R]11,962	[R]3,169	[R]2,760	1,015	-1,490
Nebraska	355	376	[R]-1,590	944	[R]124	[R]-69	[R]-1,099
New Mexico	-130	-412	2,065	2,500	25	-1,305	-853
New York	9,548	11,582	[R]304	[R]10,735	[R]4,857	[R]-2,211	[R]-6,455
Ohio	34,023	34,810	[R]-7,336	[R]40,530	[R]15,502	[R]-8,809	[R]-23,499
Oklahoma	737	21,199	[R]-9,482	[R]25,362	[R]13,995	[R]-19,663	[R]-14,556
Oregon	1,253	540	[R]-1,316	1,036	[R]-262	[R]-97	[R]-410
Pennsylvania	49,786	57,788	[R]28,381	[R]53,825	[R]26,061	[R]-15,914	[R]-48,745
Texas	-3,341	35,935	[R]10,035	[R]53,619	[R]18,531	[R]-30,600	[R]-21,731
Utah	6,783	7,613	-7,571	13,169	2,721	-1,301	-3,235
Washington	4,131	-58	[R]-1,003	[R]3,159	[R]83	[R]702	[R]-2,268
West Virginia	36,285	30,647	[R]16,716	[R]36,318	[R]6,615	[R]-8,145	[R]-19,091
Wyoming	2,059	3,990	[R]908	[R]3,019	[R]1,906	[R]-591	[R]-2,454
AGA Regions							
Producing	15,735	101,887	[R]-13,990	[R]147,412	[R]63,672	[R]-85,240	[R]-86,054
Eastern Consuming	233,545	314,105	[R]19,518	[R]299,061	[R]112,710	[R]-113,251	[R]-228,461
Western Consuming	50,086	50,266	[R]18,423	[R]87,001	[R]12,560	[R]-11,630	[R]-21,826
Total	299,366	466,258	[R]23,950	[R]533,474	[R]188,941	[R]-210,121	[R]-336,341

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998

(Volumes in Million Cubic Feet) — Continued

State	1997					
	August	July	June	May	April	March
Alabama	-286	-43	-93	-271	-130	-25
Arkansas	-1,234	-1,472	-1,340	-608	178	342
California	R-7,805	R-11,213	R-22,886	R-23,687	R-18,968	R-289
Colorado	R-4,559	R-5,592	R-5,293	R-5,375	R5,441	R2,020
Illinois	R-35,387	R-32,161	R-27,571	R-23,526	R-636	R22,821
Indiana	R-3,722	R-3,299	R-1,913	-110	1,444	R2,537
Iowa	R-11,001	R-8,818	R-8,375	R-3,470	R1,634	R2,966
Kansas	R-11,129	R-3,488	R-11,777	R-9,463	R-1,497	R4,053
Kentucky	-6,520	R-7,430	R-8,997	R-7,828	R-363	R4,141
Louisiana	R-15,446	R-11,847	R-19,809	R-19,573	R-3,990	R-18,885
Maryland	R-2,353	R-1,536	R-1,700	R-1,632	R114	R1,896
Michigan	R-73,230	R-75,558	R-73,547	R-46,757	R-14,032	R53,634
Minnesota	R-142	-321	-312	-273	R-40	R177
Mississippi	R-3,109	R741	R-3,797	R-5,573	R449	R-2,294
Missouri	-379	-433	-112	-1,200	56	1,174
Montana	-2,339	-2,710	-1,633	-846	1,810	2,591
Nebraska	R-971	R-76	R-803	R-714	R-47	R-245
New Mexico	-328	587	-534	-1,228	583	501
New York	R-11,606	R-11,663	R-11,184	R-7,589	R-1,623	R9,239
Ohio	R-32,174	R-34,224	R-37,483	R-34,205	R-1,447	R21,559
Oklahoma	R-8,393	R-811	R-7,984	R-18,407	R-7,180	R-8,168
Oregon	R-1,178	R-1,301	R-1,681	R-1,300	543	R919
Pennsylvania	R-44,878	R-42,074	R-50,051	R-43,897	R-3,188	R50,395
Texas	R-12,881	R10,561	R-20,379	R-28,071	R-17,396	R-21,279
Utah	-5,284	-8,117	-7,950	-4,255	-2,150	-2,620
Washington	R982	R-495	-3,766	R-5,881	R-71	R3,200
West Virginia	R-24,119	R-26,183	R-31,856	R-24,165	R1,674	R23,270
Wyoming	R-2,727	R-3,411	R-2,304	R-1,127	R137	R1,090
AGA Regions						
Producing	R-52,520	R-5,729	R-65,620	R-82,922	R-28,852	R-45,732
Eastern Consuming	R-246,626	R-243,499	R-253,685	R-195,364	R-16,545	R193,362
Western Consuming	R-23,050	R-33,161	R-45,825	R-42,743	R-13,297	R7,088
Total	R-322,196	R-282,389	R-365,130	R-321,030	R-58,694	R154,718

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1996-1998

(Volumes in Million Cubic Feet) — Continued

State	1997		1996				
	February	January	Total	December	November	October	September
Alabama	184	531	-1,224	761	129	-117	-440
Arkansas	1,006	1,978	64	644	562	-603	-1,153
California	[R]19,814	[R]38,462	51,292	14,985	-2,885	-6,393	-6,822
Colorado	[R]4,766	[R]5,382	-1,004	2,923	92	-87	-3,828
Illinois	[R]39,383	[R]63,269	-15,109	35,109	15,523	-28,103	-36,529
Indiana	[R]2,954	[R]7,425	-1,801	3,290	-853	-2,715	-3,911
Iowa	[R]8,497	[R]16,003	-1,229	18,020	5,502	-10,555	-12,536
Kansas	[R]8,989	[R]13,411	12,118	12,290	12,828	-6,005	-8,532
Kentucky	[R]8,048	[R]18,062	-7,530	8,039	4,853	-2,826	-8,590
Louisiana	[R]20,943	[R]48,043	10,964	32,273	29,327	-15,704	-33,463
Maryland	[R]2,653	[R]5,867	24	958	1,424	-1,553	-1,677
Michigan	[R]71,586	[R]121,150	-31,671	83,640	61,160	-49,100	-81,220
Minnesota	[R]109	[R]551	-30	218	30	-35	-202
Mississippi	[R]2,905	[R]12,216	-12,758	4,658	5,707	-3,369	-7,330
Missouri	-252	1,126	-48	76	306	-210	-204
Montana	3,983	5,651	11,725	5,512	4,760	336	-3,519
Nebraska	[R]502	[R]865	-1,489	1,108	479	600	-785
New Mexico	1,527	591	5,338	-823	607	482	-1,873
New York	[R]10,141	[R]17,664	-13,367	8,151	6,347	-2,750	-7,327
Ohio	[R]28,161	[R]58,753	-10,844	35,138	25,728	-13,648	-23,807
Oklahoma	[R]8,115	[R]28,208	22,961	20,970	17,468	-10,345	-18,814
Oregon	[R]1,076	[R]1,340	783	1,240	552	170	-121
Pennsylvania	[R]52,423	[R]94,422	-59,533	25,003	33,464	-15,621	-37,711
Texas	[R]24,835	[R]54,826	63,869	24,153	12,557	-22,072	-34,225
Utah	2,520	8,931	12,955	9,164	4,651	1,416	-2,204
Washington	[R]1,784	[R]1,566	2,067	1,746	462	1,648	-597
West Virginia	[R]28,818	[R]53,582	-35,844	21,644	19,884	-15,242	-28,009
Wyoming	[R]2,995	[R]4,376	5,056	3,529	2,903	-272	-613
AGA Regions							
Producing	[R]68,321	[R]159,274	102,555	94,165	79,056	-57,617	-105,390
Eastern Consuming	[R]253,097	[R]458,719	-179,663	240,936	173,946	-141,841	-242,746
Western Consuming	[R]37,049	[R]66,259	82,844	39,316	10,566	-3,217	-17,907
Total	[R]358,466	[R]684,252	5,735	374,417	263,567	-202,675	-366,042

[R] = Revised Data.

Notes: This table contains total net withdrawals for each State 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. Data through 1996 are final.All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14. Activities of Underground Natural Gas Storage Operators, by State, September 1998

(Volumes in Million Cubic Feet)

State	Total 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	3,280	1,190	1,139	2,329	-376	-24.8	139	540
Arkansas	31,871	10,935	8,282	19,218	399	5.1	848	32
California	396,430	246,940	165,522	412,462	-9,696	-5.5	14,936	4,946
Colorado	99,600	48,140	38,558	86,697	581	1.5	6,192	273
Illinois	898,565	649,968	229,901	879,869	-3,624	-1.6	36,976	8,854
Indiana	113,210	73,777	30,428	104,205	-68	-0.2	4,577	44
Iowa	271,200	200,700	58,612	259,312	6,269	12.0	13,055	906
Kansas	304,066	190,248	103,279	293,527	17,799	20.8	12,026	2,742
Kentucky	219,908	109,121	100,007	209,127	6,770	7.3	10,276	1,455
Louisiana	559,013	266,105	257,085	523,190	72,000	38.9	24,907	15,199
Maryland	62,000	46,677	13,765	60,442	1,606	13.2	1,092	309
Michigan	992,934	419,715	571,656	991,372	33,007	6.1	32,454	1,431
Minnesota	7,000	4,623	2,098	6,721	-284	-11.9	275	0
Mississippi	134,012	77,456	47,147	124,603	-2,086	-4.2	6,769	6,925
Missouri	31,274	21,600	9,434	31,034	182	2.0	420	6
Montana	342,785	167,367	51,511	218,878	-1,494	-2.8	4,638	398
Nebraska	39,469	31,507	4,607	36,114	110	2.4	887	22
New Mexico	96,600	23,842	9,086	32,927	2,656	41.3	1,653	468
New York	175,479	103,042	70,604	173,645	4,383	6.6	6,639	999
Ohio	573,434	352,680	184,508	537,189	9,738	5.6	20,128	869
Oklahoma	396,087	234,063	134,250	368,312	36,655	37.6	14,698	2,553
Oregon	11,623	4,896	7,077	11,974	398	6.0	818	0
Pennsylvania	684,842	354,901	342,753	697,654	9,929	3.0	35,025	7,772
Texas	683,891	254,047	255,310	509,357	69,284	37.2	25,080	20,040
Utah	121,980	64,579	45,194	109,774	5,846	14.9	8,291	31
Washington	37,300	22,096	14,369	36,466	-436	-2.9	1,833	11
West Virginia	734,158	296,487	168,214	464,701	15,102	9.9	17,730	1,305
Wyoming	105,869	60,782	21,757	82,539	-803	-3.6	2,609	7
AGA Regions								
Producing	2,205,540	1,056,695	814,439	1,871,135	196,706	31.8	85,982	47,959
Eastern Consuming	4,799,753	2,661,365	1,785,629	4,446,994	83,027	4.9	179,398	24,513
Western Consuming	1,122,586	619,425	346,087	965,512	-5,888	-1.7	39,590	5,666
Total	8,127,879	4,337,486	2,946,154	7,283,640	273,846	10.2	304,971	78,137

Notes: 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. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998

(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				August	July	June
Alabama	37,108	33,882	43,429	1,183	1,202	1,386
Alaska	9,412	8,989	10,463	648	479	628
Arizona	27,147	22,143	19,354	894	1,062	1,375
Arkansas	25,450	29,753	33,767	1,058	1,146	1,171
California	392,683	324,492	310,137	21,621	25,147	33,207
Colorado	NA	80,969	77,879	NA	NA	1,592
Connecticut	25,486	28,270	31,569	848	1,028	1,195
Delaware	5,925	6,652	7,436	165	197	252
District of Columbia	9,768	11,026	12,654	327	371	435
Florida	11,576	8,893	12,296	639	707	817
Georgia	75,039	68,145	84,974	2,814	2,956	3,186
Hawaii	385	352	374	41	45	47
Idaho	11,063	10,482	10,137	292	402	666
Illinois	265,526	330,068	352,894	10,437	9,497	11,529
Indiana	NA	114,466	123,812	NA	NA	3,291
Iowa	47,594	55,345	58,585	1,453	1,622	1,435
Kansas	53,678	47,217	56,405	1,613	1,783	2,155
Kentucky	36,980	42,253	46,626	1,104	1,321	1,360
Louisiana	35,656	36,847	43,005	1,574	1,774	1,814
Maine	612	663	646	25	22	31
Maryland	47,694	52,866	60,333	1,854	1,828	2,087
Massachusetts	NA	79,141	82,786	2,347	2,842	NA
Michigan	222,419	265,231	280,340	6,740	7,275	9,771
Minnesota	71,684	87,294	95,534	2,465	2,537	2,735
Mississippi	NA	19,030	22,868	NA	NA	NA
Missouri	82,505	90,216	97,928	2,185	2,670	3,128
Montana	NA	14,013	14,530	488	481	1,086
Nebraska	30,560	34,601	34,472	1,036	1,014	1,199
Nevada	20,972	17,604	15,527	813	977	1,487
New Hampshire	NA	4,898	5,010	NA	169	238
New Jersey	130,899	150,936	158,314	4,528	4,845	5,736
New Mexico	22,772	22,259	22,164	845	822	284
New York	NA	265,369	NA	NA	NA	NA
North Carolina	38,450	36,445	43,129	905	1,044	1,192
North Dakota	7,113	8,190	8,631	208	235	292
Ohio	NA	241,536	258,102	7,246	NA	8,509
Oklahoma	50,123	51,035	55,663	1,430	1,633	1,855
Oregon	NA	22,760	22,695	679	944	1,641
Pennsylvania	NA	179,084	195,772	NA	5,283	6,505
Rhode Island	NA	13,057	13,868	438	462	622
South Carolina	19,607	17,526	21,627	463	474	562
South Dakota	8,042	9,332	9,534	227	274	302
Tennessee	NA	43,005	51,120	1,111	1,186	1,410
Texas	131,145	159,701	160,599	5,810	5,436	5,478
Utah	34,721	35,457	33,637	1,332	1,264	1,958
Vermont	1,737	1,895	1,857	57	56	77
Virginia	44,139	49,708	53,587	1,064	1,425	1,737
Washington	NA	37,189	42,176	NA	NA	NA
West Virginia	NA	23,404	26,528	NA	NA	NA
Wisconsin	77,217	89,584	98,970	3,218	2,415	3,470
Wyoming	NA	8,547	9,001	331	NA	503
Total	3,125,202	3,391,820	3,620,033	115,138	123,381	152,017

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1998					1997
	May	April	March	February	January	Total
Alabama	2,335	4,610	7,480	9,222	9,689	R48,496
Alaska	933	1,239	1,529	1,716	2,240	R15,146
Arizona	2,092	3,694	5,323	5,604	7,103	R31,057
Arkansas	1,731	2,270	6,069	6,668	5,336	R42,428
California	38,118	54,072	62,006	76,210	82,302	R478,904
Colorado	7,546	11,118	15,570	16,176	18,860	R115,583
Connecticut	1,878	3,638	5,051	5,585	6,263	R40,562
Delaware	450	846	1,248	1,360	1,408	R8,972
District of Columbia	636	1,195	2,032	2,365	2,409	R15,807
Florida	1,017	1,631	2,044	2,251	2,470	R13,117
Georgia	3,558	8,015	16,312	18,031	20,167	R114,383
Hawaii	47	49	49	52	55	R517
Idaho	904	1,560	2,032	2,232	2,975	R15,239
Illinois	14,790	33,014	54,697	53,146	78,417	R497,230
Indiana	5,270	NA	23,358	20,668	26,868	R169,140
Iowa	2,807	5,821	10,634	10,261	13,560	R81,696
Kansas	3,803	7,378	11,857	11,594	13,494	R69,415
Kentucky	1,961	3,937	8,164	8,515	10,618	R66,033
Louisiana	2,310	3,736	7,184	7,953	9,311	R52,709
Maine	45	92	120	124	153	1,009
Maryland	2,992	5,696	9,577	11,052	12,609	R77,500
Massachusetts	NA	10,697	14,514	15,644	16,948	R112,308
Michigan	13,888	31,736	47,397	48,977	56,636	R379,838
Minnesota	3,836	7,148	16,337	15,023	21,603	R128,873
Mississippi	NA	NA	NA	4,564	NA	R27,626
Missouri	4,980	10,435	17,763	18,966	22,378	R127,625
Montana	NA	1,676	2,429	2,404	3,418	R21,002
Nebraska	1,961	4,324	6,482	6,642	7,902	R47,105
Nevada	1,884	2,826	3,809	4,149	5,025	R25,243
New Hampshire	378	697	845	1,010	1,140	R6,939
New Jersey	11,735	17,514	26,429	29,313	30,800	R216,925
New Mexico	1,270	2,589	4,740	4,337	7,884	R36,623
New York	NA	30,102	42,752	46,717	NA	R375,641
North Carolina	2,243	5,018	7,535	9,710	10,803	R52,894
North Dakota	490	953	1,464	1,561	1,910	R11,370
Ohio	11,550	24,861	44,211	43,910	50,527	R354,543
Oklahoma	3,094	5,854	10,832	11,652	13,774	R71,762
Oregon	2,135	NA	NA	4,581	6,117	R32,522
Pennsylvania	9,880	NA	32,526	34,714	31,526	R262,494
Rhode Island	1,001	NA	2,402	2,720	2,781	18,162
South Carolina	1,071	2,421	4,006	5,177	5,432	R25,741
South Dakota	512	1,127	1,738	1,666	2,196	R13,203
Tennessee	2,674	5,170	9,938	9,546	NA	R64,130
Texas	8,183	13,832	25,051	30,500	36,854	R234,988
Utah	2,243	4,853	6,482	8,193	8,396	R58,108
Vermont	118	266	340	397	427	2,631
Virginia	2,509	5,172	9,618	11,067	11,546	R73,905
Washington	NA	NA	NA	NA	NA	R61,813
West Virginia	NA	2,785	4,553	4,906	5,039	R35,996
Wisconsin	4,080	9,198	17,130	15,618	22,087	R135,819
Wyoming	704	1,182	1,566	1,560	NA	R12,999
Total	219,256	405,496	636,106	679,531	794,277	R4,983,772

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	December	November	October	September	August	July
Alabama	[R]7,942	[R]3,977	[R]1,440	[R]1,254	[R]1,242	[R]1,397
Alaska	2,162	1,684	1,569	743	[R]418	463
Arizona	[R]4,764	[R]1,973	[R]1,053	[R]1,124	[R]907	[R]1,015
Arkansas	[R]6,369	[R]4,013	[R]1,345	[R]948	[R]917	[R]1,027
California	[R]68,486	[R]39,940	[R]24,538	[R]21,448	[R]20,643	[R]26,444
Colorado	[R]17,463	[R]10,147	[R]4,290	[R]2,714	[R]2,590	[R]2,965
Connecticut	[R]5,977	[R]3,672	[R]1,629	[R]1,014	[R]914	[R]961
Delaware	[R]1,213	[R]671	[R]252	[R]184	[R]179	[R]195
District of Columbia	[R]2,421	1,414	553	393	372	419
Florida	[R]1,837	[R]1,074	[R]681	[R]631	[R]670	[R]709
Georgia	[R]19,892	[R]16,495	[R]6,693	[R]3,158	[R]2,930	[R]3,180
Hawaii	45	42	39	40	41	43
Idaho	[R]2,371	[R]1,427	[R]638	[R]320	294	[R]345
Illinois	[R]69,718	[R]56,299	[R]29,455	[R]11,690	[R]10,102	[R]10,370
Indiana	[R]25,914	[R]17,338	[R]7,954	[R]3,467	[R]2,968	[R]2,832
Iowa	[R]12,051	[R]8,606	[R]4,048	[R]1,646	[R]1,479	[R]1,599
Kansas	[R]10,323	[R]8,236	[R]2,153	[R]1,485	[R]1,469	[R]1,688
Kentucky	[R]11,175	[R]8,091	[R]3,063	[R]1,451	[R]1,073	[R]1,499
Louisiana	[R]7,960	[R]4,176	[R]2,016	[R]1,710	[R]1,716	[R]1,746
Maine	142	107	66	30	26	21
Maryland	[R]11,130	[R]7,894	3,543	2,067	[R]1,799	1,906
Massachusetts	[R]15,677	[R]10,149	[R]4,784	[R]2,557	[R]2,484	[R]2,834
Michigan	[R]50,037	[R]37,942	[R]17,853	[R]8,775	[R]7,269	[R]4,751
Minnesota	[R]17,435	[R]15,098	[R]6,504	[R]2,542	[R]2,234	[R]2,385
Mississippi	[R]4,355	[R]2,561	[R]902	[R]778	[R]761	[R]815
Missouri	[R]19,041	[R]12,090	[R]3,656	[R]2,623	[R]2,401	[R]2,714
Montana	[R]3,207	[R]2,038	[R]1,234	[R]510	[R]449	[R]413
Nebraska	[R]5,787	[R]4,399	1,382	936	[R]939	1,015
Nevada	[R]3,884	[R]1,925	[R]1,024	[R]805	[R]781	[R]891
New Hampshire	933	616	327	[R]165	155	160
New Jersey	[R]31,134	[R]20,208	[R]9,250	[R]5,397	[R]4,726	[R]5,214
New Mexico	[R]8,217	[R]4,095	[R]1,217	[R]836	[R]849	[R]820
New York	[R]48,074	[R]34,936	[R]17,385	[R]9,878	[R]10,267	[R]9,719
North Carolina	[R]9,202	[R]4,875	[R]1,438	[R]934	[R]898	[R]1,072
North Dakota	[R]1,423	[R]1,133	[R]434	[R]191	[R]168	[R]190
Ohio	[R]50,352	[R]36,474	[R]19,056	[R]7,124	[R]6,112	[R]7,425
Oklahoma	[R]11,025	[R]6,186	[R]1,968	[R]1,549	[R]1,521	[R]1,680
Oregon	[R]4,684	[R]2,713	[R]1,536	[R]829	[R]758	[R]881
Pennsylvania	[R]37,709	[R]26,561	[R]12,927	[R]6,214	[R]5,236	[R]5,254
Rhode Island	2,509	1,464	659	473	443	480
South Carolina	[R]4,683	[R]2,424	[R]637	[R]471	[R]449	[R]517
South Dakota	1,734	[R]1,339	[R]537	261	233	248
Tennessee	[R]11,511	[R]6,602	[R]1,829	[R]1,182	[R]1,075	[R]1,115
Texas	[R]37,410	[R]21,561	[R]9,175	[R]7,140	[R]6,789	[R]7,599
Utah	[R]10,376	[R]6,018	4,299	1,957	1,466	[R]1,502
Vermont	345	214	118	59	52	57
Virginia	[R]12,127	[R]7,452	[R]2,989	[R]1,630	[R]1,467	[R]1,589
Washington	[R]11,405	[R]7,594	[R]3,623	[R]2,002	[R]1,791	[R]1,995
West Virginia	[R]6,017	[R]4,061	[R]1,737	[R]776	[R]598	[R]492
Wisconsin	[R]19,045	[R]16,127	[R]8,106	[R]2,957	[R]2,535	[R]2,862
Wyoming	[R]2,337	[R]1,179	[R]617	[R]320	[R]245	[R]295
Total	[R]731,030	[R]497,310	[R]234,223	[R]129,388	[R]117,900	[R]127,805

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	June	May	April	March	February	January
Alabama	[R]1,609	[R]2,648	[R]3,191	[R]5,344	[R]9,129	[R]9,322
Alaska	508	789	1,177	1,767	1,618	[R]2,249
Arizona	[R]1,150	[R]1,566	[R]2,251	[R]4,221	[R]5,075	[R]5,958
Arkansas	[R]1,239	[R]2,322	[R]3,290	[R]4,937	[R]7,745	[R]8,276
California	[R]23,226	[R]28,268	[R]38,704	[R]47,664	[R]65,672	[R]73,871
Colorado	[R]4,130	[R]8,492	[R]10,975	[R]15,768	[R]17,485	[R]18,564
Connecticut	[R]1,398	[R]2,362	[R]4,435	[R]5,243	[R]6,622	[R]6,335
Delaware	[R]320	[R]560	[R]948	[R]1,272	[R]1,621	[R]1,558
District of Columbia	562	944	1,316	2,049	2,655	2,708
Florida	[R]773	[R]852	[R]914	[R]1,154	[R]1,866	[R]1,955
Georgia	[R]3,341	[R]3,816	[R]8,183	[R]8,959	[R]16,288	[R]21,449
Hawaii	41	42	41	46	49	51
Idaho	433	[R]938	[R]1,463	[R]1,907	[R]2,540	[R]2,562
Illinois	[R]11,606	[R]26,059	[R]41,167	[R]61,395	[R]69,319	[R]100,050
Indiana	[R]4,924	[R]9,417	[R]15,114	[R]20,542	[R]26,114	[R]32,555
Iowa	[R]2,107	[R]3,939	[R]7,015	[R]9,584	[R]11,951	[R]17,671
Kansas	[R]1,506	[R]3,266	[R]5,839	[R]7,997	[R]11,040	[R]14,413
Kentucky	[R]1,575	[R]2,959	[R]4,893	[R]7,304	[R]8,981	[R]13,968
Louisiana	[R]2,108	[R]2,866	[R]3,648	[R]5,700	[R]9,272	[R]9,792
Maine	34	56	85	142	133	166
Maryland	2,677	4,215	[R]6,912	[R]9,414	[R]11,954	[R]13,987
Massachusetts	[R]4,374	[R]6,937	[R]12,131	[R]15,138	[R]17,795	[R]17,449
Michigan	[R]12,017	[R]26,982	[R]38,297	[R]51,355	[R]57,608	[R]66,951
Minnesota	[R]3,180	[R]6,467	[R]11,143	[R]16,686	[R]19,703	[R]25,497
Mississippi	[R]926	[R]1,472	[R]1,916	[R]3,058	[R]4,999	[R]5,082
Missouri	[R]3,660	[R]6,460	[R]10,993	[R]15,385	[R]23,276	[R]25,327
Montana	[R]634	[R]1,147	[R]2,003	[R]2,477	[R]3,025	[R]3,865
Nebraska	[R]1,376	[R]3,176	[R]4,353	[R]6,229	[R]7,825	[R]9,688
Nevada	[R]985	[R]1,401	[R]2,027	[R]3,187	[R]3,843	[R]4,490
New Hampshire	263	465	744	913	1,136	1,061
New Jersey	[R]6,599	[R]11,505	[R]20,284	[R]32,686	[R]33,410	[R]36,513
New Mexico	[R]239	[R]1,965	[R]1,513	[R]3,836	[R]5,668	[R]7,369
New York	[R]14,469	[R]24,082	[R]37,597	[R]51,213	[R]56,003	[R]62,019
North Carolina	[R]1,596	[R]2,986	[R]4,080	[R]5,800	[R]9,983	[R]10,031
North Dakota	[R]295	[R]688	[R]1,133	[R]1,527	[R]1,931	[R]2,258
Ohio	[R]14,630	[R]21,260	[R]32,544	[R]43,523	[R]51,748	[R]64,295
Oklahoma	[R]2,107	[R]3,860	[R]6,164	[R]9,077	[R]12,696	[R]13,930
Oregon	[R]1,069	[R]1,883	[R]3,130	[R]4,242	[R]5,128	[R]5,671
Pennsylvania	[R]7,510	[R]15,416	[R]25,082	[R]33,473	[R]41,208	[R]45,904
Rhode Island	727	1,171	1,994	2,462	2,891	2,890
South Carolina	[R]709	[R]1,243	[R]1,794	[R]2,619	[R]5,046	[R]5,150
South Dakota	368	784	1,250	1,625	2,089	2,735
Tennessee	[R]1,652	[R]3,007	[R]4,776	[R]6,666	[R]11,997	[R]12,717
Texas	[R]8,451	[R]11,595	[R]15,606	[R]25,245	[R]36,893	[R]47,522
Utah	[R]1,602	1,821	[R]4,876	5,945	[R]8,367	[R]9,878
Vermont	97	189	283	383	416	419
Virginia	[R]2,042	[R]4,201	[R]6,622	[R]9,068	[R]11,670	[R]13,047
Washington	[R]2,451	[R]4,487	[R]3,680	[R]6,526	[R]7,525	[R]8,735
West Virginia	[R]952	[R]2,223	[R]3,386	[R]4,273	[R]5,572	[R]5,908
Wisconsin	[R]2,948	[R]7,413	[R]11,047	[R]17,278	[R]19,211	[R]26,289
Wyoming	[R]397	[R]1,080	[R]1,062	[R]1,550	[R]1,667	[R]2,251
Total	[R]163,591	[R]283,739	[R]433,073	[R]605,856	[R]757,457	[R]902,399

[R] = Revised Data.
NA = Not Available.
Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.
Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998

(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				August	July	June
Alabama	21,672	22,201	21,278	981	1,030	1,118
Alaska	14,741	16,936	17,383	1,208	1,190	1,274
Arizona	22,403	20,895	19,838	1,721	1,890	2,073
Arkansas	NA	20,263	22,206	2,218	2,253	NA
California	199,830	167,727	152,648	30,322	27,131	18,132
Colorado	NA	48,250	48,546	NA	NA	3,415
Connecticut	29,500	28,891	27,551	2,178	2,456	2,151
Delaware	4,130	4,719	4,871	176	190	226
District of Columbia	12,503	12,533	11,249	847	871	913
Florida	26,863	24,753	29,005	2,575	2,630	2,748
Georgia	40,243	36,780	42,454	2,649	2,757	2,725
Hawaii	1,428	1,249	1,455	187	169	181
Idaho	8,061	7,798	7,759	381	407	537
Illinois	117,157	134,193	141,198	6,672	5,951	6,702
Indiana	NA	55,735	59,650	NA	NA	NA
Iowa	30,444	32,880	36,138	1,199	1,353	1,237
Kansas	32,516	28,529	39,832	1,836	1,914	1,722
Kentucky	22,742	24,631	27,206	1,134	1,061	1,195
Louisiana	NA	17,725	18,932	1,913	1,799	NA
Maine	1,712	1,783	1,727	74	75	90
Maryland	32,267	33,182	31,367	2,147	2,188	2,507
Massachusetts	65,458	73,481	64,517	3,407	4,054	5,209
Michigan	114,172	131,566	140,163	5,841	5,301	6,297
Minnesota	54,351	61,606	64,426	2,311	2,026	3,003
Mississippi	NA	14,960	16,095	NA	NA	NA
Missouri	45,714	49,154	51,268	3,039	2,210	2,352
Montana	NA	9,369	9,694	405	400	839
Nebraska	20,417	24,254	27,071	848	1,070	856
Nevada	16,321	15,098	13,802	1,052	1,304	1,587
New Hampshire	NA	5,116	4,944	NA	228	NA
New Jersey	100,056	113,980	105,411	6,079	6,385	6,873
New Mexico	17,913	20,973	18,019	1,214	998	932
New York	NA	220,558	NA	NA	NA	NA
North Carolina	27,353	25,458	28,491	1,650	1,502	1,658
North Dakota	6,970	7,526	8,067	354	285	312
Ohio	NA	126,320	132,798	4,070	NA	5,165
Oklahoma	32,959	31,534	33,206	1,812	1,837	1,826
Oregon	NA	17,697	17,359	905	1,047	1,428
Pennsylvania	NA	95,940	104,740	NA	4,607	4,906
Rhode Island	NA	8,581	8,806	195	484	495
South Carolina	14,213	12,114	14,039	1,019	1,013	1,063
South Dakota	6,423	7,207	7,626	263	283	285
Tennessee	NA	37,433	40,598	2,366	2,507	2,646
Texas	148,636	144,015	128,650	25,614	18,195	11,161
Utah	19,663	19,646	18,787	840	845	1,154
Vermont	2,013	2,074	1,949	100	102	110
Virginia	41,352	41,388	40,233	1,971	2,739	2,682
Washington	NA	27,416	32,406	NA	NA	NA
West Virginia	NA	17,111	19,340	1,575	5,166	NA
Wisconsin	55,014	57,930	62,349	4,495	3,063	3,471
Wyoming	NA	7,839	5,782	276	NA	409
Total	2,095,192	2,168,996	2,158,790	164,732	153,798	144,597

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1998					1997
	May	April	March	February	January	Total
Alabama	3,768	2,713	3,522	4,010	4,529	R32,362
Alaska	1,684	1,911	2,251	2,340	2,883	R26,908
Arizona	2,495	3,013	3,548	3,534	4,129	R30,284
Arkansas	1,432	1,728	3,843	4,075	4,781	R29,443
California	22,410	23,269	19,321	28,787	30,457	R256,044
Colorado	4,768	6,738	9,008	9,159	10,507	R69,088
Connecticut	2,124	4,294	4,999	5,540	5,757	R42,680
Delaware	320	556	829	899	935	R6,610
District of Columbia	1,085	1,830	2,032	2,382	2,542	R18,018
Florida	3,112	3,701	3,961	3,984	4,152	R36,765
Georgia	3,248	4,882	7,391	8,120	8,471	R57,227
Hawaii	169	174	172	179	196	R1,751
Idaho	689	1,077	1,423	1,570	1,977	R11,469
Illinois	6,961	15,326	22,556	22,455	30,533	R202,871
Indiana	3,258	NA	11,063	10,460	12,876	R81,813
Iowa	1,566	3,605	7,584	5,962	7,938	R50,194
Kansas	2,093	3,381	8,014	6,177	7,378	R41,238
Kentucky	1,505	2,490	4,636	5,053	5,668	R38,632
Louisiana	1,629	2,048	5,056	4,998	4,511	R25,629
Maine	122	255	332	342	422	2,713
Maryland	2,532	3,668	6,091	6,474	6,659	R49,859
Massachusetts	5,789	8,771	11,570	12,943	13,716	R105,818
Michigan	8,530	15,784	22,837	23,664	25,919	R192,300
Minnesota	3,208	5,685	11,726	11,133	15,257	R92,263
Mississippi	NA	NA	NA	3,310	NA	R22,073
Missouri	2,978	5,545	8,978	9,467	11,144	R69,869
Montana	NA	1,029	1,527	1,459	2,178	R13,926
Nebraska	1,690	2,786	4,027	4,237	4,903	R33,853
Nevada	1,876	2,207	2,642	2,575	3,078	R22,024
New Hampshire	375	710	869	1,051	1,167	R7,489
New Jersey	10,233	11,748	19,826	18,713	20,200	R168,761
New Mexico	1,525	2,281	3,211	3,243	4,509	R31,501
New York	NA	20,716	NA	NA	NA	R321,447
North Carolina	2,053	3,326	4,879	5,791	6,495	R38,021
North Dakota	507	953	1,372	1,434	1,753	R10,875
Ohio	7,134	13,211	21,443	23,991	27,046	R184,103
Oklahoma	2,291	4,018	6,347	6,859	7,969	R45,195
Oregon	1,618	NA	NA	3,308	3,889	R25,500
Pennsylvania	6,114	NA	17,790	19,674	21,571	R144,134
Rhode Island	NA	NA	1,492	1,620	1,786	R12,306
South Carolina	1,209	1,732	2,440	2,781	2,955	R19,561
South Dakota	539	806	1,335	1,292	1,621	10,426
Tennessee	2,993	4,714	7,027	6,063	NA	R55,130
Texas	13,616	14,839	20,104	20,826	24,280	R216,347
Utah	1,510	2,749	3,787	4,235	4,544	R31,257
Vermont	116	281	381	436	487	3,051
Virginia	3,672	5,338	7,878	8,398	8,673	R61,932
Washington	NA	NA	NA	NA	NA	R46,802
West Virginia	1,709	2,235	3,146	3,310	3,564	R25,918
Wisconsin	3,801	6,632	11,019	9,845	12,688	R88,783
Wyoming	545	783	1,128	1,288	NA	R10,767
Total	174,738	253,741	368,607	389,231	445,750	R3,223,030

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	December	November	October	September	August	July
Alabama	[R]3,743	[R]2,437	[R]1,903	[R]2,075	[R]2,622	[R]2,947
Alaska	[R]3,147	[R]2,658	[R]2,574	[R]1,594	[R]1,340	[R]1,404
Arizona	[R]3,381	[R]2,269	[R]1,751	[R]1,836	[R]1,767	[R]1,936
Arkansas	[R]3,989	[R]2,713	[R]1,347	[R]1,129	[R]1,128	[R]1,127
California	[R]26,978	[R]21,157	[R]19,602	[R]18,459	[R]18,696	[R]17,911
Colorado	[R]9,717	[R]6,177	[R]2,558	[R]2,372	[R]2,118	[R]2,354
Connecticut	[R]5,801	[R]3,854	[R]2,512	[R]1,566	[R]1,762	[R]2,145
Delaware	[R]845	[R]513	[R]286	[R]245	[R]186	[R]209
District of Columbia	[R]2,374	1,354	899	852	853	783
Florida	[R]3,719	[R]3,112	[R]2,621	[R]2,495	[R]2,589	[R]2,516
Georgia	[R]8,027	[R]6,140	[R]3,554	[R]2,719	[R]2,597	[R]2,677
Hawaii	[R]165	[R]37	[R]152	[R]148	[R]143	[R]156
Idaho	1,657	982	585	411	356	373
Illinois	[R]27,076	[R]22,863	[R]12,292	[R]6,426	[R]5,809	[R]5,970
Indiana	[R]10,689	[R]8,637	[R]4,518	[R]2,175	[R]2,070	[R]1,943
Iowa	[R]7,208	[R]5,707	[R]3,037	[R]1,359	[R]1,114	[R]1,305
Kansas	[R]5,532	[R]3,673	[R]1,936	[R]1,567	[R]1,999	[R]2,452
Kentucky	[R]6,154	[R]4,176	[R]2,417	[R]1,249	[R]948	[R]1,157
Louisiana	[R]3,073	[R]2,048	[R]1,414	[R]1,353	[R]1,307	[R]1,474
Maine	375	289	176	91	78	72
Maryland	[R]6,536	[R]4,962	[R]2,839	[R]2,283	[R]2,070	[R]2,237
Massachusetts	[R]11,523	[R]8,546	[R]6,898	[R]5,365	[R]5,635	[R]5,442
Michigan	[R]25,857	[R]19,047	[R]9,791	[R]5,997	[R]5,688	[R]2,213
Minnesota	[R]12,318	[R]10,721	[R]5,179	[R]2,408	[R]2,369	[R]2,343
Mississippi	[R]2,934	[R]2,028	[R]1,224	[R]924	[R]1,309	[R]1,206
Missouri	[R]9,547	[R]6,192	[R]2,741	[R]2,195	[R]2,063	[R]2,169
Montana	[R]2,014	[R]1,306	[R]797	[R]425	[R]385	[R]365
Nebraska	[R]3,454	[R]2,812	[R]1,855	[R]1,477	[R]2,295	[R]4,067
Nevada	[R]2,580	[R]1,806	[R]1,276	[R]1,198	[R]1,151	[R]1,103
New Hampshire	1,010	703	411	249	217	216
New Jersey	[R]23,161	[R]16,022	[R]8,454	[R]7,142	[R]6,699	[R]7,213
New Mexico	[R]4,831	[R]2,949	[R]1,384	[R]1,206	[R]1,185	[R]1,166
New York	[R]34,705	[R]27,141	[R]21,151	[R]17,307	[R]18,574	[R]21,119
North Carolina	[R]5,508	[R]3,434	[R]1,908	[R]1,713	[R]1,592	[R]1,513
North Dakota	[R]1,339	[R]1,129	[R]559	[R]317	[R]264	[R]141
Ohio	[R]25,092	[R]17,752	[R]9,727	[R]4,948	[R]4,355	[R]4,100
Oklahoma	[R]6,049	[R]3,675	[R]2,064	[R]1,764	[R]1,733	[R]1,732
Oregon	[R]3,352	[R]2,023	[R]1,367	[R]1,026	[R]915	[R]1,011
Pennsylvania	[R]19,731	[R]14,064	[R]9,348	[R]5,000	[R]4,248	[R]4,661
Rhode Island	1,413	1,212	637	460	399	431
South Carolina	[R]2,638	[R]1,757	[R]1,167	[R]1,884	[R]1,004	[R]990
South Dakota	[R]1,311	[R]1,021	549	334	[R]249	246
Tennessee	[R]7,939	[R]5,015	[R]2,653	[R]2,078	[R]1,921	[R]1,944
Texas	[R]24,323	[R]19,327	[R]14,189	[R]14,479	[R]14,856	[R]16,420
Utah	5,152	3,187	2,020	1,124	943	927
Vermont	403	282	184	108	80	80
Virginia	[R]9,233	[R]5,543	[R]3,397	[R]2,334	[R]2,476	[R]2,395
Washington	[R]6,666	[R]7,903	[R]2,660	[R]2,041	[R]1,625	[R]1,831
West Virginia	[R]3,386	[R]2,809	[R]1,500	[R]1,106	[R]1,137	[R]927
Wisconsin	[R]12,473	[R]10,180	[R]5,408	[R]2,738	[R]2,806	[R]2,631
Wyoming	[R]1,077	[R]967	[R]555	[R]316	[R]287	[R]624
Total	[R]411,204	[R]306,311	[R]190,027	[R]142,068	[R]140,017	[R]144,372

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	June	May	April	March	February	January
Alabama	R1,642	R1,901	R2,089	R2,623	R4,120	R4,258
Alaska	R1,428	R1,813	R2,225	R2,861	R2,529	R3,335
Arizona	R1,973	R2,138	R2,559	R3,148	R3,520	R3,853
Arkansas	R1,214	R1,647	R2,166	R3,142	R4,724	R5,115
California	R16,438	R18,750	R20,672	R23,521	R25,728	R26,011
Colorado	R2,955	R4,847	R6,434	R8,355	R10,201	R10,986
Connecticut	R2,237	R2,658	R4,075	R4,820	R5,372	R5,821
Delaware	R285	R427	R638	R871	R1,062	R1,041
District of Columbia	951	1,373	1,739	2,183	2,316	2,335
Florida	R2,851	R2,837	R2,950	R3,227	R3,765	R4,018
Georgia	R2,776	R3,192	R4,136	R4,853	R7,940	R8,609
Hawaii	R152	R148	R155	R160	R168	R168
Idaho	399	686	1,041	1,345	1,784	1,816
Illinois	R6,052	R10,472	R16,533	R23,087	R29,599	R36,670
Indiana	R3,992	R6,203	R6,471	R9,135	R11,616	R14,305
Iowa	R1,238	R2,382	R3,878	R5,789	R7,031	R10,144
Kansas	R1,549	R2,113	R3,188	R4,707	R6,465	R6,056
Kentucky	R1,166	R1,863	R2,878	R4,049	R5,429	R7,140
Louisiana	R1,530	R1,616	R1,933	R2,521	R3,713	R3,632
Maine	92	152	231	378	348	433
Maryland	R2,315	R2,744	R4,240	R5,681	R6,291	R7,604
Massachusetts	R7,023	R6,215	R9,133	R11,697	R13,959	R14,377
Michigan	R7,417	R12,843	R18,737	R25,036	R27,780	R31,851
Minnesota	R2,801	R4,949	R8,161	R11,915	R13,282	R15,786
Mississippi	R1,174	R1,306	1,533	R2,114	R3,076	R3,242
Missouri	R2,459	R3,556	R5,761	R7,934	R12,749	R12,463
Montana	R453	R718	R1,349	R1,634	R1,958	R2,506
Nebraska	R1,309	R2,093	R2,520	R3,330	R3,925	R4,714
Nevada	R1,416	R1,700	R1,906	R2,455	R2,643	R2,726
New Hampshire	286	472	739	954	R1,110	R1,121
New Jersey	R8,127	R11,571	R16,399	R24,061	R15,701	R24,210
New Mexico	R1,093	R2,065	R2,170	R3,517	R4,741	R5,035
New York	R20,942	R21,767	R28,346	R34,051	R38,410	R37,349
North Carolina	R1,741	R2,260	R2,909	R3,731	R5,747	R5,964
North Dakota	R315	R590	R1,062	R1,373	R1,840	R1,942
Ohio	R8,641	R11,246	R15,105	R23,116	R28,057	R31,700
Oklahoma	R1,570	R2,622	R3,668	R5,151	R7,287	R7,771
Oregon	R1,071	R1,579	R2,312	R3,086	R3,698	R4,024
Pennsylvania	R5,408	R9,952	R12,750	R17,530	R19,262	R22,130
Rhode Island	537	892	1,144	1,740	1,744	1,694
South Carolina	R1,096	R1,268	R1,202	R1,794	R2,381	R2,378
South Dakota	283	R603	940	1,235	R1,606	2,045
Tennessee	R2,350	R3,155	R4,177	R5,559	R9,263	R9,065
Texas	R13,384	R14,126	R15,195	R20,886	R22,457	R26,690
Utah	R945	1,268	2,675	3,363	4,473	5,051
Vermont	108	160	296	429	444	477
Virginia	R2,700	R4,304	R5,671	R7,141	R7,992	R8,708
Washington	R2,240	R3,161	R3,196	R4,443	R4,971	R5,948
West Virginia	R1,093	R1,599	R2,116	R2,772	R3,612	R3,855
Wisconsin	R2,712	R5,242	R6,917	R10,587	R11,651	R15,383
Wyoming	R491	R959	R1,190	R1,405	R1,311	R1,572
Total	R154,422	R204,203	R269,510	R360,492	R420,853	R475,127

R = Revised Data.
NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Deliveries for total year 1996 may not equal the sum of the twelve months. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998

(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				August	July	June
Alabama	137,605	132,259	132,637	17,248	16,167	16,737
Alaska	NA	50,690	49,423	NA	6,542	6,251
Arizona	18,615	17,929	17,398	2,508	2,307	2,034
Arkansas	97,642	98,259	93,747	11,799	11,321	11,102
California	477,675	482,964	457,926	64,310	59,188	53,880
Colorado	NA	50,310	57,130	NA	NA	NA
Connecticut	22,012	23,271	20,356	2,455	2,271	2,225
Delaware	10,606	9,569	9,360	1,221	1,097	1,160
District of Columbia	0	0	0	0	0	0
Florida	93,997	87,964	91,652	10,827	11,384	11,469
Georgia	105,347	122,432	119,281	13,484	12,768	13,149
Hawaii	0	0	0	0	0	0
Idaho [a]	23,418	22,750	23,114	2,530	2,620	2,672
Illinois	201,759	212,183	211,401	20,413	20,256	20,738
Indiana	NA	188,792	195,200	NA	NA	23,465
Iowa	74,348	69,364	74,957	7,741	7,647	7,574
Kansas	74,688	76,217	75,570	10,790	11,626	9,583
Kentucky	61,066	62,387	61,986	6,702	6,738	6,787
Louisiana	632,670	666,149	695,450	85,378	80,693	73,666
Maine	1,331	1,551	1,360	179	153	184
Maryland	55,508	39,225	32,835	4,000	3,779	3,622
Massachusetts	NA	75,782	64,582	8,134	7,812	NA
Michigan	207,900	227,419	234,985	17,707	18,191	22,705
Minnesota	68,031	70,615	64,957	8,677	7,803	7,847
Mississippi	NA	55,616	54,082	NA	NA	NA
Missouri	44,473	48,373	49,364	4,658	4,672	4,646
Montana	11,607	11,766	11,514	1,126	1,215	1,687
Nebraska	27,610	30,184	23,557	4,050	5,853	3,076
Nevada	18,188	19,239	21,765	2,739	2,458	2,337
New Hampshire	NA	3,958	3,120	NA	438	431
New Jersey	132,132	138,300	126,549	15,840	15,601	14,727
New Mexico	17,441	27,656	15,260	3,556	2,201	1,979
New York	NA	206,026	213,722	NA	NA	NA
North Carolina	77,694	73,367	65,968	9,283	8,561	9,042
North Dakota	6,856	14,006	4,795	711	729	771
Ohio	NA	224,582	233,369	23,492	NA	24,008
Oklahoma	129,574	141,757	132,458	18,236	16,672	16,280
Oregon	NA	55,601	54,119	6,988	NA	6,767
Pennsylvania	155,513	160,009	162,821	17,882	17,111	17,926
Rhode Island	NA	17,196	14,174	2,126	2,121	2,042
South Carolina	69,232	67,948	61,330	8,389	7,613	8,464
South Dakota	3,678	4,809	4,823	440	416	307
Tennessee	NA	92,698	80,974	12,815	11,939	11,714
Texas	1,282,756	1,388,597	1,417,353	164,970	181,812	150,210
Utah	31,378	28,851	27,829	3,040	3,424	3,678
Vermont	1,389	1,475	1,226	135	153	152
Virginia	62,018	57,142	55,859	9,453	9,466	8,290
Washington	NA	68,288	72,797	NA	NA	NA
West Virginia	NA	38,200	32,230	NA	NA	NA
Wisconsin	93,057	103,558	97,652	10,267	7,967	9,204
Wyoming	NA	31,401	32,488	NA	NA	4,119
Total	5,649,173	5,898,684	5,856,507	686,233	683,162	640,744

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1998					1997
	May	April	March	February	January	Total
Alabama	17,308	17,013	18,208	16,441	18,483	R201,240
Alaska	5,854	6,455	6,878	6,152	6,454	R73,599
Arizona	2,313	2,281	2,413	2,226	2,533	R27,864
Arkansas	11,839	12,765	13,363	12,114	13,339	R147,969
California	66,080	55,492	47,185	67,501	64,039	R737,354
Colorado	5,649	6,278	6,323	6,388	6,949	R73,781
Connecticut	2,546	2,782	3,183	3,149	3,402	R34,554
Delaware	1,256	1,348	1,477	1,443	1,604	R14,805
District of Columbia	0	0	0	0	0	0
Florida	11,765	11,608	12,960	11,053	12,931	R130,816
Georgia	12,501	12,866	13,434	13,335	13,808	R174,747
Hawaii	0	0	0	0	0	R342
Idaho [a]	2,593	3,047	3,130	3,482	3,344	R34,999
Illinois	22,462	26,752	29,211	28,719	33,208	R317,755
Indiana	23,136	NA	27,772	25,847	28,857	R290,723
Iowa	8,097	10,660	11,792	9,516	11,321	R107,463
Kansas	8,483	8,011	8,686	7,811	9,699	R112,089
Kentucky	7,022	7,543	8,884	7,550	9,839	R95,724
Louisiana	75,577	77,970	81,959	74,500	82,928	R1,004,383
Maine	168	122	159	164	202	2,525
Maryland	4,047	4,407	11,276	10,677	13,699	R65,954
Massachusetts	7,635	8,209	8,759	8,443	9,923	R108,295
Michigan	25,012	26,873	32,052	31,380	33,980	R338,456
Minnesota	6,901	8,548	9,039	10,044	9,171	R107,338
Mississippi	NA	NA	NA	6,814	NA	R83,967
Missouri	4,830	5,473	6,788	6,360	7,047	R71,164
Montana	1,244	1,521	1,481	1,449	1,884	R18,766
Nebraska	2,662	2,543	3,043	2,902	3,481	R44,418
Nevada	2,455	2,453	2,174	1,979	1,593	R28,925
New Hampshire	473	457	468	498	481	R5,830
New Jersey	15,723	16,455	17,152	17,655	18,980	R202,418
New Mexico	2,027	2,049	1,822	1,823	1,984	R40,854
New York	NA	22,542	26,423	NA	NA	R305,521
North Carolina	9,439	9,366	10,846	10,404	10,752	R111,513
North Dakota	773	898	1,017	948	1,010	R20,580
Ohio	25,977	29,362	32,257	31,779	35,912	R335,993
Oklahoma	13,793	14,388	16,578	17,131	16,497	R206,677
Oregon	7,015	NA	NA	8,744	9,760	R90,403
Pennsylvania	18,161	19,808	21,699	20,811	22,115	R238,220
Rhode Island	NA	2,078	2,117	2,011	2,173	R24,472
South Carolina	8,713	8,159	9,121	9,129	9,645	R102,929
South Dakota	697	279	474	500	565	R6,928
Tennessee	11,710	12,020	14,188	12,628	NA	R138,877
Texas	154,540	153,724	159,503	148,544	169,452	R2,058,755
Utah	3,668	4,480	4,273	4,080	4,735	R44,162
Vermont	164	164	194	205	223	R2,334
Virginia	6,375	7,746	6,497	7,444	6,747	R85,264
Washington	NA	NA	NA	NA	NA	R111,159
West Virginia	NA	4,099	4,553	1,696	4,510	R57,380
Wisconsin	9,508	11,658	14,819	13,298	16,337	R155,677
Wyoming	4,293	3,344	NA	NA	5,156	R46,936
Total	667,649	693,905	748,773	730,160	798,548	R8,842,896

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	December	November	October	September	August	July
Alabama	[R]19,049	[R]17,956	[R]16,677	[R]15,298	[R]15,537	[R]14,984
Alaska	[R]6,851	[R]5,551	[R]6,290	[R]4,218	[R]6,373	[R]5,948
Arizona	[R]2,678	[R]2,352	[R]2,329	[R]2,576	[R]2,369	[R]2,240
Arkansas	[R]13,294	[R]12,753	[R]12,551	[R]11,111	[R]12,082	[R]11,872
California	[R]64,122	[R]63,615	[R]58,363	[R]68,290	[R]68,738	[R]66,660
Colorado	[R]7,037	[R]6,542	[R]5,174	[R]4,717	[R]6,458	[R]4,912
Connecticut	[R]3,438	[R]2,840	[R]2,627	[R]2,378	[R]2,549	[R]2,444
Delaware	[R]1,599	[R]1,331	[R]1,193	[R]1,114	[R]1,009	[R]1,096
District of Columbia	0	0	0	0	0	0
Florida	[R]11,157	[R]10,619	[R]10,628	[R]10,448	[R]10,872	[R]10,607
Georgia	[R]13,568	[R]12,922	[R]13,369	[R]12,457	[R]13,862	[R]13,233
Hawaii	[R]342	0	0	0	0	0
Idaho [a]	[R]3,158	3,109	3,226	2,756	2,371	[R]2,635
Illinois	[R]30,894	[R]27,921	[R]24,667	[R]22,090	[R]20,598	[R]22,236
Indiana	[R]27,648	[R]28,003	[R]24,659	[R]21,620	[R]20,894	[R]20,324
Iowa	[R]10,549	[R]9,896	[R]9,571	[R]8,083	[R]8,285	[R]7,409
Kansas	[R]11,682	[R]8,483	[R]8,107	[R]7,599	[R]8,302	[R]12,164
Kentucky	[R]9,220	[R]8,729	[R]8,508	[R]6,879	[R]6,862	[R]6,341
Louisiana	[R]84,522	[R]82,180	[R]87,977	[R]83,556	[R]86,060	[R]81,897
Maine	[R]218	[R]299	[R]246	[R]211	[R]193	[R]157
Maryland	[R]13,535	[R]4,361	[R]4,427	[R]4,406	[R]5,041	[R]4,765
Massachusetts	[R]8,984	[R]8,165	[R]7,916	[R]7,449	[R]8,618	[R]8,696
Michigan	[R]33,117	[R]28,965	[R]25,006	[R]23,949	[R]24,022	[R]15,926
Minnesota	[R]10,132	[R]10,200	[R]9,130	[R]7,261	[R]8,379	[R]8,154
Mississippi	[R]7,562	[R]7,751	[R]7,063	[R]5,976	[R]6,650	[R]6,989
Missouri	[R]6,842	[R]6,397	[R]5,161	[R]4,392	[R]4,336	[R]4,611
Montana	[R]2,120	[R]1,900	[R]1,656	[R]1,325	[R]1,287	[R]1,122
Nebraska	[R]5,064	[R]2,736	[R]3,638	[R]2,797	[R]3,505	[R]1,717
Nevada	[R]2,330	[R]2,316	[R]2,512	[R]2,528	[R]2,521	[R]2,353
New Hampshire	468	442	499	[R]463	451	[R]428
New Jersey	[R]18,335	[R]15,921	[R]15,505	[R]14,356	[R]18,611	[R]14,648
New Mexico	[R]3,528	[R]3,319	[R]3,092	[R]3,258	[R]3,217	[R]3,447
New York	[R]26,822	[R]26,731	[R]20,891	[R]25,050	[R]22,613	[R]24,246
North Carolina	[R]9,830	[R]10,055	[R]9,948	[R]8,313	[R]8,157	[R]8,382
North Dakota	[R]1,975	[R]1,525	[R]1,556	[R]1,518	[R]1,593	[R]1,362
Ohio	[R]31,923	[R]29,457	[R]26,118	[R]23,913	[R]23,310	[R]21,999
Oklahoma	[R]16,693	[R]15,943	[R]15,546	[R]16,738	[R]17,677	[R]16,664
Oregon	[R]9,751	[R]8,789	[R]8,242	[R]8,019	[R]8,218	[R]7,240
Pennsylvania	[R]21,967	[R]21,958	[R]17,472	[R]16,814	[R]17,511	[R]16,838
Rhode Island	2,179	2,148	1,509	1,440	1,491	2,159
South Carolina	[R]9,226	[R]8,685	[R]8,238	[R]8,832	[R]8,184	[R]7,967
South Dakota	606	618	[R]424	470	499	322
Tennessee	[R]12,776	[R]11,768	[R]11,228	[R]10,408	[R]12,556	[R]10,581
Texas	[R]169,958	[R]167,175	[R]167,787	[R]165,238	[R]174,495	[R]168,624
Utah	[R]4,492	[R]4,116	[R]4,216	[R]2,488	[R]3,361	[R]3,473
Vermont	235	226	[R]223	176	157	144
Virginia	[R]8,128	[R]7,094	[R]5,989	[R]6,911	[R]9,236	[R]8,535
Washington	[R]12,255	[R]10,247	[R]9,459	[R]10,909	[R]10,178	[R]7,788
West Virginia	[R]5,201	[R]4,824	[R]4,640	[R]4,515	[R]4,616	[R]4,480
Wisconsin	[R]15,154	[R]14,492	[R]12,184	[R]10,289	[R]9,734	[R]9,244
Wyoming	[R]4,066	[R]4,296	[R]3,889	[R]3,285	[R]3,833	[R]3,218
Total	[R]796,281	[R]747,720	[R]711,325	[R]688,885	[R]717,470	[R]683,279

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	June	May	April	March	February	January
Alabama	R15,862	R17,051	R17,881	R16,890	R16,479	R17,576
Alaska	R5,893	R5,598	R6,420	R6,968	R6,425	R7,065
Arizona	R2,174	R2,336	R2,091	R2,354	R2,133	R2,233
Arkansas	R11,684	R11,991	R12,097	R12,445	R12,270	R13,818
California	R59,353	R57,369	R57,182	R57,146	R55,888	R60,629
Colorado	R6,073	R6,278	R5,736	R7,425	R6,650	R6,778
Connecticut	R2,444	R2,878	R3,318	R3,536	R3,026	R3,077
Delaware	R1,147	R1,301	R1,352	R1,242	R1,185	R1,236
District of Columbia	0	0	0	0	0	0
Florida	R10,621	R11,537	R11,506	R11,075	R10,504	R11,242
Georgia	R12,135	R16,473	R17,034	R16,629	R17,303	R15,764
Hawaii	0	0	0	0	0	0
Idaho [a]	2,724	2,673	3,180	3,200	2,802	3,166
Illinois	R22,534	R25,392	R26,558	R29,871	R31,761	R33,232
Indiana	R17,709	R20,338	R24,261	R27,581	R26,893	R30,793
Iowa	R7,489	R8,159	R8,785	R9,405	R9,475	R10,356
Kansas	R8,674	R8,540	R9,183	R9,220	R8,559	R11,575
Kentucky	R6,457	R7,556	R7,603	R8,241	R8,880	R10,449
Louisiana	R83,336	R84,944	R83,486	R83,322	R78,853	R84,253
Maine	R199	R228	R249	R184	162	180
Maryland	R5,178	R4,872	R4,468	R5,775	R4,829	R4,296
Massachusetts	R10,308	R7,856	R10,239	R10,327	R10,233	R9,504
Michigan	R25,902	R28,281	R29,068	R34,268	R34,021	R35,931
Minnesota	R7,724	R7,623	R8,561	R10,471	R10,247	R9,456
Mississippi	R6,559	R6,150	R6,990	R7,216	R7,180	R7,882
Missouri	R4,784	R5,083	R7,278	R5,435	R9,586	R7,261
Montana	R1,208	R1,402	R1,210	R1,767	R1,703	R2,068
Nebraska	R3,334	R3,514	R4,583	R4,658	R4,509	R4,363
Nevada	R2,335	R2,625	R2,208	R2,491	R2,241	R2,464
New Hampshire	R451	R559	R638	R576	R442	R414
New Jersey	R14,516	R15,097	R17,337	R19,610	R19,723	R18,758
New Mexico	R3,355	R3,490	R3,181	R3,196	R3,483	R4,287
New York	R23,418	R24,289	R26,049	R29,294	R29,012	R27,103
North Carolina	R8,873	R9,043	R9,764	R9,738	R9,574	R9,836
North Dakota	R1,621	R1,599	R1,806	R2,299	R2,006	R1,719
Ohio	R28,629	R25,952	R26,354	R30,215	R32,153	R35,970
Oklahoma	R17,580	R17,354	R17,384	R17,264	R18,857	R18,977
Oregon	R5,515	R6,070	R6,402	R6,841	R6,716	R8,599
Pennsylvania	R16,471	R18,876	R21,649	R21,951	R23,188	R23,524
Rhode Island	2,265	2,401	2,514	2,241	1,993	2,131
South Carolina	R8,568	R9,111	R9,069	R9,012	R7,897	R8,140
South Dakota	R460	531	624	705	R791	877
Tennessee	R10,591	R9,665	R12,484	R11,889	R12,864	R12,070
Texas	R168,087	R170,594	R167,379	R188,635	R162,820	R187,963
Utah	R3,398	R3,623	R3,746	R3,769	R3,685	R3,796
Vermont	146	218	R199	234	R196	181
Virginia	R6,165	R7,401	R6,362	R4,015	R7,780	R7,649
Washington	R7,709	R8,184	R7,891	R8,923	R8,836	R8,780
West Virginia	R4,393	R4,990	R7,557	R2,912	R4,318	R4,934
Wisconsin	R9,672	R11,545	R13,885	R15,950	R15,228	R18,299
Wyoming	R3,837	R4,101	R3,843	R3,773	R3,771	R5,025
Total	R689,559	R712,740	R738,645	R782,185	R759,129	R815,678

[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. Deliveries for total year 1995 in Idaho do not equal the sum of the twelve months.

R = Revised Data.

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1996-1998

(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				August	July	June
Alabama	19,007	7,522	4,398	5,130	5,072	4,764
Alaska	18,497	22,860	20,920	2,030	2,154	2,093
Arizona	21,247	15,588	14,122	8,186	6,792	1,986
Arkansas	31,852	18,467	28,049	8,248	7,084	6,676
California	176,192	237,559	209,935	34,626	26,022	15,338
Colorado	6,549	3,393	3,507	1,419	1,739	901
Connecticut	8,774	10,805	5,603	2,673	1,582	1,709
Delaware	6,769	13,689	15,300	1,673	1,648	1,196
District of Columbia	0	0	0	0	0	0
Florida	189,852	212,882	190,253	29,258	31,976	33,192
Georgia	16,626	5,703	4,299	5,026	5,455	4,958
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	46,303	29,513	20,100	7,737	7,707	7,387
Indiana	7,800	3,790	3,497	1,829	2,084	1,878
Iowa	4,529	2,971	2,534	1,083	965	774
Kansas	26,426	16,599	18,591	7,339	8,026	5,333
Kentucky	4,290	1,466	1,502	1,060	650	950
Louisiana	218,264	193,559	183,898	44,645	43,685	38,810
Maine	0	0	0	0	0	0
Maryland	8,820	9,062	5,974	3,147	2,186	1,396
Massachusetts	14,916	37,873	22,737	1,970	1,407	2,169
Michigan	32,518	20,960	20,495	5,545	4,573	5,093
Minnesota	5,388	5,176	3,408	1,483	1,410	994
Mississippi	55,550	50,908	57,815	11,127	10,889	10,630
Missouri	11,734	5,509	4,435	4,002	3,753	2,440
Montana	334	302	236	83	80	26
Nebraska	3,876	1,928	1,891	1,185	1,046	719
Nevada	36,954	35,753	32,830	8,819	8,189	4,036
New Hampshire	124	443	2	26	37	35
New Jersey	25,715	24,209	19,286	6,217	7,107	4,303
New Mexico	28,295	23,095	20,023	4,850	4,218	4,019
New York	153,019	155,673	90,985	34,234	29,304	24,084
North Carolina	10,087	3,544	2,191	3,116	2,042	3,789
North Dakota	0	1	2	0	0	0
Ohio	5,531	2,454	2,189	1,424	1,306	1,102
Oklahoma	117,469	85,100	99,666	26,923	26,857	20,792
Oregon	13,973	3,934	5,542	3,781	3,008	835
Pennsylvania	5,645	6,076	4,503	455	1,409	2,013
Rhode Island	15,593	17,202	15,795	2,251	2,238	1,453
South Carolina	4,764	2,131	798	1,238	1,239	1,413
South Dakota	2,060	1,425	529	608	627	315
Tennessee	4,164	1,427	492	1,123	1,407	1,202
Texas	872,957	697,665	762,781	161,305	174,175	153,171
Utah	3,041	2,688	2,469	1,175	1,000	141
Vermont	162	23	12	8	15	7
Virginia	14,255	9,096	7,599	3,647	2,970	2,254
Washington	4,908	856	3,159	3,470	621	33
West Virginia	264	173	133	34	53	46
Wisconsin	12,519	13,468	4,487	2,341	3,064	2,557
Wyoming	239	55	60	1	5	10
Total	2,267,853	2,014,574	1,919,031	457,551	448,875	379,024

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1998					1997
	May	April	March	February	January	Total
Alabama	2,844	296	383	157	362	[R]9,997
Alaska	2,411	2,266	2,382	2,307	2,852	[R]33,510
Arizona	674	1,127	718	804	962	[R]23,385
Arkansas	5,479	2,283	1,521	272	289	[R]24,805
California	13,745	18,055	23,374	18,278	26,755	[R]377,946
Colorado	656	586	416	451	381	[R]5,536
Connecticut	1,386	157	23	109	1,136	[R]16,761
Delaware	900	548	475	74	256	[R]16,092
District of Columbia	0	0	0	0	0	0
Florida	26,827	15,860	18,020	15,637	19,082	[R]296,903
Georgia	746	98	183	57	102	[R]7,342
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	7,068	4,835	4,022	3,535	4,014	[R]44,607
Indiana	1,187	205	426	104	87	[R]4,661
Iowa	697	298	245	202	264	[R]4,124
Kansas	3,207	594	935	446	545	25,822
Kentucky	1,017	107	282	138	86	2,194
Louisiana	31,812	18,082	16,198	9,860	15,171	[R]277,438
Maine	0	0	0	0	0	0
Maryland	932	373	371	223	191	[R]11,007
Massachusetts	2,666	1,579	1,565	1,320	2,241	[R]51,490
Michigan	4,212	3,602	3,758	2,496	3,239	[R]33,287
Minnesota	804	268	204	105	119	[R]6,098
Mississippi	8,717	4,400	3,921	2,775	3,092	[R]73,083
Missouri	952	210	161	80	135	[R]7,465
Montana	89	15	39	0	1	420
Nebraska	634	176	59	21	37	2,656
Nevada	3,761	3,549	2,446	3,128	3,027	[R]51,777
New Hampshire	0	0	0	26	0	564
New Jersey	3,926	1,380	1,835	419	528	[R]29,534
New Mexico	4,948	3,448	3,092	1,802	1,918	[R]33,375
New York	18,926	9,076	10,397	10,274	16,724	[R]217,504
North Carolina	1,026	12	91	1	11	[R]4,512
North Dakota	0	0	0	0	0	1
Ohio	1,005	178	307	96	114	[R]3,486
Oklahoma	13,893	7,944	9,394	5,205	6,460	[R]128,818
Oregon	176	2,266	1,335	1,102	1,471	[R]10,680
Pennsylvania	621	260	406	257	225	[R]7,370
Rhode Island	1,943	1,606	1,889	1,599	2,613	[R]27,160
South Carolina	687	37	106	11	33	2,731
South Dakota	366	33	42	6	63	[R]1,731
Tennessee	432	0	0	0	0	[R]1,636
Texas	117,366	83,043	80,475	49,071	54,351	[R]1,056,550
Utah	138	135	156	144	153	[R]4,078
Vermont	12	6	3	47	65	36
Virginia	2,158	699	1,197	476	853	[R]11,572
Washington	14	152	121	5	492	[R]2,618
West Virginia	30	22	29	29	21	219
Wisconsin	2,282	395	1,108	353	418	[R]15,776
Wyoming	6	8	3	200	7	95
Total	293,378	190,266	194,113	133,700	170,946	[R]2,968,453

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	December	November	October	September	August	July
Alabama	87	[R]295	846	1,247	2,373	[R]2,901
Alaska	[R]3,013	[R]2,668	[R]2,680	[R]2,289	[R]2,432	[R]2,729
Arizona	752	[R]399	[R]1,542	[R]5,103	[R]4,808	[R]4,117
Arkansas	294	375	[R]2,293	[R]3,376	[R]5,269	[R]7,491
California	[R]26,274	[R]22,422	[R]35,151	[R]56,539	[R]48,248	[R]43,993
Colorado	[R]450	385	[R]641	667	716	[R]704
Connecticut	[R]554	[R]1,446	[R]2,234	[R]1,722	[R]2,300	[R]2,412
Delaware	[R]699	[R]681	356	667	1,592	[R]2,002
District of Columbia	0	0	0	0	0	0
Florida	[R]21,491	[R]14,278	[R]21,229	[R]27,022	[R]33,982	[R]33,658
Georgia	49	124	308	[R]1,159	[R]2,199	[R]2,595
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	[R]5,018	3,906	[R]3,795	[R]2,375	[R]3,807	[R]7,989
Indiana	[R]137	[R]211	[R]281	[R]242	[R]478	[R]1,683
Iowa	[R]208	[R]252	[R]459	[R]235	[R]373	[R]843
Kansas	[R]1,991	[R]2,478	[R]2,643	[R]2,111	[R]3,489	[R]6,353
Kentucky	158	190	[R]200	181	[R]311	525
Louisiana	[R]16,781	[R]14,535	[R]22,047	[R]30,516	[R]34,790	[R]39,934
Maine	0	0	0	0	0	0
Maryland	209	364	[R]749	623	1,051	[R]3,382
Massachusetts	[R]2,411	[R]3,176	[R]3,245	[R]4,785	[R]5,579	[R]6,021
Michigan	3,028	3,135	[R]3,242	[R]2,922	[R]2,852	[R]3,680
Minnesota	112	139	382	289	669	[R]1,136
Mississippi	[R]4,573	[R]4,060	[R]5,428	[R]8,115	[R]11,934	[R]14,013
Missouri	[R]310	340	557	749	[R]1,211	[R]2,792
Montana	21	30	40	27	46	[R]116
Nebraska	34	77	354	263	364	[R]879
Nevada	[R]3,648	[R]1,803	[R]4,364	[R]6,209	[R]7,830	[R]7,264
New Hampshire	[R]34	[R]26	[R]0	[R]60	[R]77	[R]12
New Jersey	[R]552	[R]1,340	[R]2,085	1,349	[R]4,238	[R]8,150
New Mexico	[R]1,998	[R]2,224	[R]3,224	[R]2,834	[R]4,337	[R]4,025
New York	[R]14,287	[R]12,326	[R]16,084	[R]19,134	[R]28,915	[R]36,082
North Carolina	3	25	507	433	747	[R]1,888
North Dakota	0	0	0	0	0	1
Ohio	122	[R]245	[R]396	268	[R]303	1,073
Oklahoma	[R]11,401	[R]8,233	[R]10,061	[R]14,023	[R]20,503	[R]20,874
Oregon	[R]1,917	[R]1,075	[R]990	[R]2,765	[R]2,957	[R]358
Pennsylvania	365	212	301	[R]417	923	[R]2,725
Rhode Island	[R]2,602	[R]2,488	[R]2,503	[R]2,364	[R]2,423	[R]2,005
South Carolina	35	112	240	212	422	[R]922
South Dakota	83	90	45	88	228	[R]582
Tennessee	0	0	209	0	328	[R]844
Texas	[R]69,566	[R]72,391	[R]90,883	[R]126,044	[R]141,896	[R]144,621
Utah	[R]177	[R]173	[R]134	[R]906	[R]1,080	[R]819
Vermont	4	2	4	2	4	4
Virginia	[R]851	[R]353	[R]732	[R]541	[R]1,369	[R]2,863
Washington	187	220	164	1,191	731	25
West Virginia	11	2	17	15	9	23
Wisconsin	467	400	743	697	895	[R]2,171
Wyoming	15	15	[R]5	5	3	4
Total	[R]196,980	[R]179,723	[R]244,394	[R]332,781	[R]391,090	[R]429,286

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	June	May	April	March	February	January
Alabama	[R]931	[R]483	386	168	156	125
Alaska	[R]2,574	[R]2,897	[R]2,917	[R]3,584	[R]2,514	[R]3,213
Arizona	[R]1,932	[R]2,742	723	588	358	319
Arkansas	[R]3,445	[R]576	606	[R]247	214	619
California	[R]26,550	[R]37,246	[R]25,416	[R]24,349	[R]14,231	[R]17,526
Colorado	337	[R]394	[R]265	[R]323	259	395
Connecticut	[R]1,364	[R]1,139	[R]1,227	[R]965	[R]1,206	[R]192
Delaware	[R]1,097	[R]1,064	1,841	2,279	[R]2,069	1,746
District of Columbia	0	0	0	0	0	0
Florida	[R]31,546	[R]29,444	[R]27,857	[R]28,937	[R]16,983	[R]10,476
Georgia	440	[R]204	177	30	18	42
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	[R]4,591	[R]2,901	[R]4,925	[R]2,449	[R]1,662	[R]1,189
Indiana	[R]718	[R]210	[R]199	[R]219	[R]136	[R]147
Iowa	[R]395	[R]272	[R]256	[R]364	[R]219	[R]249
Kansas	[R]3,143	[R]1,238	847	[R]563	413	553
Kentucky	170	21	117	130	80	111
Louisiana	[R]29,946	[R]25,567	[R]19,111	[R]15,859	[R]13,605	[R]14,746
Maine	0	0	0	0	0	0
Maryland	[R]1,857	[R]726	1,478	336	47	185
Massachusetts	[R]6,210	[R]3,814	[R]6,615	[R]5,276	[R]2,786	[R]1,571
Michigan	[R]2,756	[R]2,752	[R]2,265	[R]2,395	[R]2,357	[R]1,902
Minnesota	[R]685	[R]595	[R]620	[R]693	123	656
Mississippi	[R]8,386	[R]4,689	[R]3,034	2,930	2,716	3,207
Missouri	1,022	95	[R]174	77	52	85
Montana	8	7	15	18	27	64
Nebraska	218	108	172	[R]79	77	31
Nevada	[R]5,272	[R]5,219	[R]3,518	[R]3,819	1,362	1,468
New Hampshire	[R]353	0	0	0	0	0
New Jersey	[R]4,613	[R]1,479	1,868	2,091	1,023	746
New Mexico	[R]2,923	[R]2,445	[R]2,548	[R]2,767	1,990	2,059
New York	[R]29,210	[R]17,438	[R]12,102	[R]14,764	[R]12,342	[R]4,819
North Carolina	811	61	26	1	9	0
North Dakota	0	0	0	0	0	0
Ohio	596	106	107	[R]72	71	125
Oklahoma	[R]12,256	[R]6,716	[R]7,026	[R]6,647	[R]4,845	[R]6,233
Oregon	[R]147	3	0	[R]172	0	[R]296
Pennsylvania	886	[R]295	326	324	316	281
Rhode Island	[R]2,185	[R]2,447	1,854	2,179	2,021	2,088
South Carolina	621	67	72	12	4	11
South Dakota	360	85	85	39	19	26
Tennessee	255	0	0	0	0	0
Texas	[R]103,332	[R]73,259	[R]59,315	[R]60,360	[R]54,882	[R]60,001
Utah	25	[R]146	[R]142	[R]180	137	[R]160
Vermont	3	3	3	3	2	2
Virginia	[R]1,508	[R]622	[R]1,389	[R]1,125	[R]43	[R]177
Washington	1	86	5	0	2	6
West Virginia	40	33	9	23	23	12
Wisconsin	[R]1,688	[R]1,854	[R]1,770	[R]2,146	[R]1,774	[R]1,170
Wyoming	13	6	6	6	7	9
Total	[R]297,424	[R]231,548	[R]193,416	[R]189,590	[R]143,185	[R]139,036

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.
[R] = Revised Data.
Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.
Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998

(Million Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998		
				August	July	June
Alabama	215,392	195,865	201,743	24,543	23,472	24,005
Alaska	NA	99,475	98,189	NA	10,365	10,247
Arizona	89,412	76,555	70,712	13,310	12,051	7,467
Arkansas	NA	166,742	177,769	23,323	21,804	NA
California	1,246,380	1,212,742	1,130,646	150,879	137,488	120,557
Colorado	NA	182,923	187,063	NA	NA	NA
Connecticut	85,772	91,237	85,077	8,154	7,337	7,280
Delaware	27,430	34,629	36,967	3,234	3,131	2,833
District of Columbia	22,271	23,558	23,903	1,174	1,242	1,348
Florida	322,287	334,493	323,206	43,299	46,698	48,225
Georgia	237,255	233,060	251,008	23,973	23,937	24,018
Hawaii	1,813	1,602	1,830	228	214	228
Idaho	42,542	41,030	41,009	3,203	3,429	3,876
Illinois	630,746	705,956	725,593	45,258	43,411	46,356
Indiana	NA	362,783	382,159	NA	NA	31,509
Iowa	156,915	160,559	172,214	11,476	11,588	11,021
Kansas	187,307	168,563	190,398	21,579	23,349	18,793
Kentucky	125,078	130,737	137,320	10,000	9,770	10,292
Louisiana	NA	914,280	941,285	133,511	127,951	NA
Maine	3,654	3,997	3,733	278	251	305
Maryland	144,289	134,334	130,509	11,149	9,982	9,612
Massachusetts	NA	266,277	234,622	15,857	16,115	NA
Michigan	577,010	645,175	675,983	35,834	35,339	43,866
Minnesota	199,453	224,692	228,325	14,937	13,777	14,579
Mississippi	NA	140,513	150,861	NA	NA	NA
Missouri	184,427	193,252	202,995	13,884	13,305	12,566
Montana	33,264	35,450	35,974	2,102	2,176	3,638
Nebraska	82,462	90,967	86,991	7,119	8,983	5,849
Nevada	92,435	87,695	83,924	13,422	12,929	9,447
New Hampshire	NA	14,415	13,076	NA	871	999
New Jersey	388,802	427,425	409,561	32,664	33,937	31,639
New Mexico	86,420	93,983	75,465	10,466	8,239	7,214
New York	NA	847,625	NA	NA	NA	NA
North Carolina	153,584	138,814	139,779	14,954	13,149	15,680
North Dakota	20,939	29,723	21,496	1,272	1,249	1,374
Ohio	NA	594,892	626,458	36,233	NA	38,783
Oklahoma	330,125	309,426	320,994	48,401	47,000	40,753
Oregon	NA	99,992	99,715	12,354	NA	10,671
Pennsylvania	NA	441,109	467,836	NA	28,410	31,351
Rhode Island	NA	56,036	52,644	5,009	5,305	4,612
South Carolina	107,816	99,720	97,793	11,109	10,339	11,503
South Dakota	20,203	22,772	22,512	1,539	1,600	1,209
Tennessee	NA	174,563	173,184	17,415	17,040	16,972
Texas	2,435,494	2,389,977	2,469,383	357,700	379,619	320,021
Utah	88,803	86,642	82,721	6,387	6,533	6,931
Vermont	5,302	5,467	5,043	301	325	347
Virginia	161,764	157,334	157,278	16,135	16,601	14,963
Washington	NA	133,749	150,538	NA	NA	NA
West Virginia	NA	78,889	78,230	NA	NA	NA
Wisconsin	237,807	264,539	263,458	20,321	16,508	18,703
Wyoming	NA	47,842	47,332	NA	NA	5,041
Total	13,137,421	13,474,075	13,554,361	1,423,655	1,409,216	1,316,381

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1998					1997
	May	April	March	February	January	Total
Alabama	26,256	24,632	29,592	29,830	33,062	R292,094
Alaska	10,881	11,872	13,040	12,516	14,428	R149,164
Arizona	7,574	10,115	12,001	12,168	14,726	R112,590
Arkansas	20,481	19,046	24,796	23,129	23,745	R244,644
California	140,353	150,888	151,886	190,777	203,553	R1,850,248
Colorado	18,619	24,720	31,317	32,174	36,697	R263,988
Connecticut	7,933	10,871	13,255	14,383	16,558	R134,557
Delaware	2,925	3,298	4,030	3,776	4,203	R46,480
District of Columbia	1,720	3,025	4,064	4,747	4,951	R33,824
Florida	42,720	32,801	36,986	32,925	38,634	R477,601
Georgia	20,054	25,861	37,321	39,542	42,548	R353,700
Hawaii	216	223	221	232	252	R2,611
Idaho	4,186	5,684	6,585	7,284	8,295	R61,707
Illinois	51,280	79,927	110,485	107,855	146,173	R1,062,463
Indiana	32,851	NA	62,620	57,078	68,688	R546,337
Iowa	13,167	20,383	30,256	25,941	33,082	R243,476
Kansas	17,585	19,364	29,491	26,029	31,116	R248,563
Kentucky	11,505	14,076	21,967	21,257	26,211	R202,583
Louisiana	111,328	101,836	110,398	97,310	111,920	R1,360,160
Maine	335	470	610	629	777	6,247
Maryland	10,503	14,145	27,315	28,426	33,158	R204,319
Massachusetts	21,846	29,256	36,408	38,350	42,828	R377,911
Michigan	51,642	77,995	106,043	106,517	119,774	R943,881
Minnesota	14,749	21,649	37,306	36,306	46,151	R334,572
Mississippi	NA	NA	NA	17,463	NA	R206,749
Missouri	13,741	21,664	33,690	34,874	40,704	R276,124
Montana	2,838	4,240	5,477	5,313	7,480	R54,114
Nebraska	6,946	9,830	13,612	13,802	16,322	R128,031
Nevada	9,976	11,035	11,071	11,832	12,723	R127,969
New Hampshire	1,226	1,864	2,183	2,585	2,788	R20,822
New Jersey	41,616	47,096	65,242	66,099	70,507	R617,638
New Mexico	9,770	10,367	12,865	11,205	16,294	R142,353
New York	NA	82,436	107,969	115,160	NA	R1,220,113
North Carolina	14,761	17,721	23,352	25,906	28,061	R206,940
North Dakota	1,770	2,804	3,853	3,944	4,673	R42,826
Ohio	45,665	67,612	98,218	99,776	113,599	R878,124
Oklahoma	33,071	32,204	43,151	40,846	44,699	R452,453
Oregon	10,944	NA	NA	17,736	21,237	R159,105
Pennsylvania	34,776	NA	72,421	75,456	75,437	R652,219
Rhode Island	5,436	NA	7,900	7,949	9,352	R82,100
South Carolina	11,680	12,349	15,673	17,097	18,065	R150,962
South Dakota	2,114	2,244	3,588	3,464	4,445	R32,289
Tennessee	17,809	21,904	31,153	28,238	NA	R259,773
Texas	293,705	265,438	285,133	248,941	284,937	R3,566,640
Utah	7,559	12,218	14,697	16,652	17,827	R137,605
Vermont	409	716	918	1,085	1,202	R8,052
Virginia	14,715	18,956	25,191	27,386	27,819	R232,674
Washington	NA	NA	NA	NA	NA	R222,391
West Virginia	NA	9,140	12,281	9,941	13,133	R119,512
Wisconsin	19,671	27,884	44,076	39,114	51,531	R396,055
Wyoming	5,547	5,317	NA	NA	8,805	R70,797
Total	1,355,022	1,543,408	1,947,598	1,932,621	2,209,520	R20,018,151

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	December	November	October	September	August	July
Alabama	[R]30,822	[R]24,666	[R]20,865	[R]19,874	[R]21,774	[R]22,227
Alaska	[R]15,172	[R]12,560	[R]13,113	[R]8,844	[R]10,563	[R]10,544
Arizona	[R]11,575	[R]6,994	[R]6,675	[R]10,639	[R]9,851	[R]9,309
Arkansas	[R]23,947	[R]19,854	[R]17,536	[R]16,564	[R]19,396	[R]21,517
California	[R]185,860	[R]147,134	[R]137,655	[R]164,736	[R]156,325	[R]155,009
Colorado	[R]34,668	[R]23,250	[R]12,664	[R]10,469	[R]11,882	[R]10,936
Connecticut	[R]15,769	[R]11,812	[R]9,002	[R]6,681	[R]7,525	[R]7,962
Delaware	[R]4,356	3,196	[R]2,086	[R]2,211	[R]2,965	[R]3,502
District of Columbia	[R]4,795	2,768	1,452	1,245	1,226	1,202
Florida	[R]38,205	[R]29,083	[R]35,159	[R]40,597	[R]48,113	[R]47,490
Georgia	[R]41,536	[R]35,681	[R]23,924	[R]19,492	[R]21,587	[R]21,684
Hawaii	[R]552	[R]78	[R]191	[R]188	[R]184	[R]199
Idaho	[R]7,186	[R]5,519	[R]4,449	[R]3,487	3,021	[R]3,353
Illinois	[R]132,707	[R]110,989	[R]70,209	[R]42,581	[R]40,316	[R]46,565
Indiana	[R]64,388	[R]54,190	[R]37,412	[R]27,504	[R]26,411	[R]26,781
Iowa	[R]30,016	[R]24,461	[R]17,115	[R]11,323	[R]11,251	[R]11,156
Kansas	[R]29,528	[R]22,869	[R]14,839	[R]12,763	[R]15,259	[R]22,657
Kentucky	[R]26,707	[R]21,185	[R]14,189	[R]9,760	[R]9,195	[R]9,522
Louisiana	[R]112,335	[R]102,939	[R]113,454	[R]117,136	[R]123,872	[R]125,051
Maine	[R]735	[R]694	[R]488	[R]332	[R]296	[R]250
Maryland	[R]31,410	[R]17,582	[R]11,557	[R]9,379	[R]9,962	[R]12,289
Massachusetts	[R]38,594	[R]30,037	[R]22,843	[R]20,155	[R]22,316	[R]22,993
Michigan	[R]112,039	[R]89,089	[R]55,893	[R]41,643	[R]39,832	[R]26,571
Minnesota	[R]39,996	[R]36,158	[R]21,195	[R]12,500	[R]13,651	[R]14,017
Mississippi	[R]19,424	[R]16,400	[R]14,616	[R]15,793	[R]20,654	[R]23,023
Missouri	[R]35,740	[R]25,019	[R]12,114	[R]9,958	[R]10,011	[R]12,287
Montana	[R]7,361	[R]5,273	[R]3,728	[R]2,287	[R]2,167	[R]2,016
Nebraska	[R]14,339	[R]10,024	[R]7,229	[R]5,472	[R]7,103	[R]7,678
Nevada	[R]12,443	[R]7,850	[R]9,176	[R]10,741	[R]12,283	[R]11,610
New Hampshire	[R]2,445	[R]1,788	[R]1,237	[R]937	[R]901	[R]817
New Jersey	[R]73,183	[R]53,491	[R]35,294	[R]28,244	[R]34,275	[R]35,224
New Mexico	[R]18,573	[R]12,587	[R]8,917	[R]8,133	[R]9,587	[R]9,459
New York	[R]123,888	[R]101,134	[R]75,512	[R]71,369	[R]80,369	[R]91,166
North Carolina	[R]24,543	[R]18,390	[R]13,802	[R]11,392	[R]11,394	[R]12,855
North Dakota	[R]4,737	[R]3,787	[R]2,549	[R]2,025	[R]2,025	[R]1,694
Ohio	[R]107,489	[R]83,928	[R]55,298	[R]36,252	[R]34,081	[R]34,596
Oklahoma	[R]45,168	[R]34,038	[R]29,638	[R]34,074	[R]41,433	[R]40,951
Oregon	[R]19,704	[R]14,600	[R]12,135	[R]12,639	[R]12,849	[R]9,489
Pennsylvania	[R]79,772	[R]62,794	[R]40,047	[R]28,446	[R]27,918	[R]29,477
Rhode Island	[R]8,703	[R]7,312	[R]5,308	[R]4,738	[R]4,756	[R]5,074
South Carolina	[R]16,582	[R]12,978	[R]10,282	[R]11,399	[R]10,059	[R]10,397
South Dakota	[R]3,735	[R]3,069	[R]1,556	[R]1,152	1,210	1,397
Tennessee	[R]32,226	[R]23,385	[R]15,919	[R]13,668	[R]15,880	[R]14,483
Texas	[R]301,259	[R]280,454	[R]282,035	[R]312,902	[R]338,035	[R]337,264
Utah	[R]20,196	[R]13,494	[R]10,669	[R]6,475	[R]6,849	[R]6,720
Vermont	988	[R]723	529	345	293	285
Virginia	[R]30,339	[R]20,442	[R]13,107	[R]11,415	[R]14,548	[R]15,383
Washington	[R]30,513	[R]25,964	[R]15,906	[R]16,143	[R]14,325	[R]11,639
West Virginia	[R]14,615	[R]11,696	[R]7,894	[R]6,412	[R]6,360	[R]5,922
Wisconsin	[R]47,139	[R]41,199	[R]26,442	[R]16,682	[R]15,970	[R]16,908
Wyoming	[R]7,494	[R]6,457	[R]5,066	[R]3,926	[R]4,369	[R]4,142
Total	[R]2,135,495	[R]1,731,064	[R]1,379,970	[R]1,293,122	[R]1,366,476	[R]1,384,742

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1996-1998

(Million Cubic Feet) — Continued

State	1997					
	June	May	April	March	February	January
Alabama	[R]20,045	[R]22,082	[R]23,547	[R]25,026	[R]29,884	[R]31,280
Alaska	[R]10,403	[R]11,097	[R]12,740	[R]15,180	[R]13,086	[R]15,862
Arizona	[R]7,229	[R]8,782	[R]7,625	[R]10,311	[R]11,087	[R]12,362
Arkansas	[R]17,581	[R]16,536	[R]18,160	[R]20,770	[R]24,954	[R]27,828
California	[R]125,567	[R]141,632	[R]141,973	[R]152,681	[R]161,518	[R]178,037
Colorado	[R]13,495	[R]20,011	[R]23,411	[R]31,870	[R]34,595	[R]36,723
Connecticut	[R]7,442	[R]9,037	[R]13,055	[R]14,564	[R]16,227	[R]15,425
Delaware	[R]2,849	[R]3,351	[R]4,779	[R]5,664	[R]5,937	[R]5,581
District of Columbia	1,513	2,317	3,054	4,232	4,971	5,042
Florida	[R]45,791	[R]44,670	[R]43,228	[R]44,393	[R]33,118	[R]27,690
Georgia	[R]18,692	[R]23,684	[R]29,529	[R]30,471	[R]41,548	[R]45,864
Hawaii	[R]192	[R]189	[R]196	[R]206	[R]217	[R]219
Idaho	[R]3,555	[R]4,297	[R]5,683	[R]6,452	[R]7,126	[R]7,543
Illinois	[R]44,784	[R]64,825	[R]89,183	[R]116,802	[R]132,342	[R]171,140
Indiana	[R]27,343	[R]36,167	[R]46,045	[R]57,477	[R]64,759	[R]77,800
Iowa	[R]11,230	[R]14,752	[R]19,933	[R]25,141	[R]28,676	[R]38,419
Kansas	[R]14,872	[R]15,156	[R]19,057	[R]22,487	[R]26,477	[R]32,596
Kentucky	[R]9,369	[R]12,400	[R]15,491	[R]19,724	[R]23,369	[R]31,669
Louisiana	[R]116,921	[R]114,992	[R]108,177	[R]107,402	[R]105,443	[R]112,422
Maine	[R]326	[R]436	[R]565	[R]703	643	778
Maryland	[R]12,027	[R]12,557	[R]17,099	[R]21,207	[R]23,122	[R]26,072
Massachusetts	[R]27,915	[R]24,821	[R]38,118	[R]42,439	[R]44,773	[R]42,901
Michigan	[R]48,092	[R]70,858	[R]88,367	[R]113,055	[R]121,766	[R]136,635
Minnesota	[R]14,390	[R]19,634	[R]28,484	[R]39,766	[R]43,355	[R]51,395
Mississippi	[R]17,045	[R]13,616	[R]13,472	[R]15,318	[R]17,971	[R]19,413
Missouri	[R]11,925	[R]15,195	[R]24,205	[R]28,831	[R]45,663	[R]45,135
Montana	[R]2,303	[R]3,275	[R]4,578	[R]5,897	[R]6,713	[R]8,502
Nebraska	[R]6,238	[R]8,891	[R]11,628	[R]14,296	[R]16,336	[R]18,796
Nevada	[R]10,009	[R]10,945	[R]9,659	[R]11,952	[R]10,089	[R]11,147
New Hampshire	[R]1,353	[R]1,496	[R]2,121	[R]2,443	[R]2,688	[R]2,596
New Jersey	[R]33,854	[R]39,652	[R]55,888	[R]78,447	[R]69,857	[R]80,227
New Mexico	[R]7,610	[R]9,965	[R]9,412	[R]13,316	[R]15,883	[R]18,750
New York	[R]88,040	[R]87,576	[R]104,095	[R]129,322	[R]135,768	[R]131,290
North Carolina	[R]13,021	[R]14,350	[R]16,779	[R]19,270	[R]25,313	[R]25,832
North Dakota	[R]2,231	[R]2,876	[R]4,001	[R]5,200	[R]5,777	[R]5,919
Ohio	[R]52,496	[R]58,563	[R]74,110	[R]96,926	[R]112,029	[R]132,091
Oklahoma	[R]33,513	[R]30,552	[R]34,243	[R]38,138	[R]43,685	[R]46,910
Oregon	[R]7,802	[R]9,535	[R]11,844	[R]14,341	[R]15,542	[R]18,590
Pennsylvania	[R]30,274	[R]44,540	[R]59,808	[R]73,278	[R]83,975	[R]91,839
Rhode Island	[R]5,715	[R]6,911	[R]7,507	[R]8,622	8,649	8,803
South Carolina	[R]10,994	[R]11,689	[R]12,137	[R]13,437	[R]15,328	[R]15,679
South Dakota	[R]1,471	2,004	[R]2,899	[R]3,603	[R]4,505	[R]5,683
Tennessee	[R]14,849	[R]15,826	[R]21,437	[R]24,113	[R]34,123	[R]33,852
Texas	[R]293,254	[R]269,575	[R]257,495	[R]295,126	[R]277,052	[R]322,175
Utah	[R]5,971	[R]6,858	[R]11,439	[R]13,258	[R]16,662	[R]18,885
Vermont	354	569	782	1,048	1,059	1,078
Virginia	[R]12,414	[R]16,528	[R]20,044	[R]21,350	[R]27,486	[R]29,581
Washington	[R]12,401	[R]15,918	[R]14,772	[R]19,893	[R]21,333	[R]23,469
West Virginia	[R]6,478	[R]8,845	[R]13,069	[R]9,980	[R]13,525	[R]14,710
Wisconsin	[R]17,020	[R]26,053	[R]33,620	[R]45,960	[R]47,865	[R]61,141
Wyoming	[R]4,738	[R]6,145	[R]6,101	[R]6,734	[R]6,756	[R]8,857
Total	[R]1,304,996	[R]1,432,229	[R]1,634,645	[R]1,938,123	[R]2,080,624	[R]2,332,239

[R] = Revised Data.
NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1996-1998

(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998				
				August	July	June	May	April
Alabama	3.24	3.85	3.37	3.82	3.97	3.86	3.56	3.20
Alaska	1.72	1.82	1.58	1.71	1.64	1.67	1.68	1.71
Arizona	2.58	3.16	2.34	2.84	2.85	2.60	2.93	2.75
Arkansas	2.95	3.19	2.56	2.38	3.23	2.31	3.00	2.96
California	2.36	2.99	2.37	2.46	2.39	2.34	2.49	2.33
Colorado	NA	2.91	2.27	NA	NA	2.43	2.46	NA
Connecticut	5.16	5.29	5.10	4.87	5.14	4.74	5.08	5.89
Delaware	2.70	3.73	3.62	2.70	2.86	4.35	1.79	2.63
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.35	3.88	3.67	3.10	3.14	2.96	3.15	3.92
Georgia	3.45	4.00	3.69	3.45	3.57	3.01	3.55	3.63
Hawaii	5.44	6.55	5.90	5.06	4.77	4.86	5.21	5.21
Idaho	1.98	2.23	2.24	2.14	2.81	2.56	1.94	1.96
Illinois	2.83	3.16	3.19	2.49	3.16	2.15	3.64	2.90
Indiana	NA	2.97	3.05	NA	NA	NA	2.80	NA
Iowa	3.57	3.70	3.33	4.29	4.11	1.98	4.17	3.33
Kansas	3.12	3.32	2.89	3.03	4.31	3.66	3.17	2.79
Kentucky	3.27	3.70	3.23	2.85	3.57	3.12	3.33	3.99
Louisiana	2.38	2.93	3.10	2.05	2.45	2.19	2.36	2.29
Maine	NA	4.26	4.46	3.21	5.39	NA	NA	3.25
Maryland	3.99	3.95	3.94	5.86	7.62	5.94	5.58	4.37
Massachusetts	3.91	3.85	3.85	7.10	5.83	5.52	4.56	3.48
Michigan	2.80	2.90	2.90	2.79	2.92	2.50	2.69	2.78
Minnesota	3.07	3.39	2.92	3.06	3.31	2.88	3.24	2.95
Mississippi	NA	3.29	3.20	NA	NA	NA	NA	NA
Missouri	3.39	3.74	3.00	4.61	5.12	4.87	4.47	3.72
Montana	2.40	3.29	2.90	1.87	2.27	2.39	2.22	2.29
Nebraska	3.36	3.68	2.89	3.01	3.65	2.98	3.73	3.29
Nevada	3.21	3.47	2.79	4.43	3.75	3.37	3.25	3.00
New Hampshire	NA	4.21	4.18	NA	4.63	NA	3.36	3.37
New Jersey	3.60	4.14	3.75	3.75	3.86	3.57	3.00	3.54
New Mexico	2.09	2.52	1.50	1.86	1.94	1.76	2.04	2.19
New York	NA	3.18	3.37	NA	NA	NA	NA	3.01
North Carolina	3.63	3.99	3.71	3.43	3.95	3.83	3.66	3.91
North Dakota	2.69	3.30	2.76	1.51	2.57	2.34	2.74	2.86
Ohio	NA	5.47	4.10	4.70	NA	4.75	5.04	4.89
Oklahoma	2.56	3.11	2.55	2.61	2.38	2.51	2.46	2.36
Oregon	NA	2.58	2.28	3.60	4.13	3.22	2.78	NA
Pennsylvania	NA	4.06	3.63	NA	5.50	4.79	3.94	NA
Rhode Island	NA	4.52	4.29	3.53	3.68	3.61	3.70	NA
South Carolina	3.50	3.71	3.89	3.57	4.09	3.81	3.90	3.66
South Dakota	3.43	3.69	2.97	4.68	4.27	2.91	4.42	4.37
Tennessee	NA	3.14	3.90	2.77	3.12	3.39	3.90	6.62
Texas	2.95	3.60	3.07	2.70	2.91	2.65	2.97	2.94
Utah	3.19	2.57	2.16	3.48	2.64	2.73	2.62	2.89
Vermont	2.68	2.19	2.91	2.34	2.60	2.69	2.82	2.74
Virginia	3.81	4.17	3.76	5.14	4.51	4.32	4.37	3.64
Washington	NA	2.66	2.31	NA	NA	NA	NA	NA
West Virginia	NA	3.13	3.32	NA	NA	NA	NA	3.61
Wisconsin	3.51	3.66	3.24	5.60	5.17	4.51	3.63	3.54
Wyoming	NA	3.05	2.42	3.65	NA	2.53	NA	3.05
Total	3.18	3.53	3.23	3.18	3.34	2.97	3.11	3.22

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1998			1997				
	March	February	January	Total	December	November	October	September
Alabama	3.03	2.93	3.18	3.65	2.60	3.97	4.17	3.83
Alaska	1.73	1.72	1.75	1.81	1.82	1.82	1.78	1.79
Arizona	2.55	2.28	2.46	3.15	2.53	3.48	3.80	3.74
Arkansas	3.13	2.85	3.09	3.23	3.19	3.44	3.61	2.87
California	2.38	2.12	2.35	2.98	2.65	3.30	3.18	2.74
Colorado	NA	NA	NA	R2.92	2.57	3.59	2.71	2.66
Connecticut	4.87	5.24	5.23	5.11	5.55	3.87	4.96	5.29
Delaware	2.73	3.02	2.71	R3.53	R2.43	R5.78	5.23	1.44
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.25	3.20	3.81	3.97	3.85	4.45	4.64	3.82
Georgia	3.85	3.18	3.43	R3.98	R3.65	R4.01	R4.05	5.29
Hawaii	6.25	5.75	6.40	R6.42	6.23	R6.22	6.09	6.11
Idaho	1.81	1.94	1.89	2.12	1.79	2.07	2.01	2.17
Illinois	2.81	2.85	2.78	3.28	2.92	3.72	R4.00	3.78
Indiana	2.32	2.48	2.49	R3.03	R2.79	3.21	R3.64	3.15
Iowa	3.42	3.33	3.80	R4.06	R4.45	R4.85	R4.98	5.39
Kansas	2.86	2.73	3.56	R3.47	3.60	R4.28	R3.67	3.47
Kentucky	3.23	3.09	3.22	3.83	4.07	4.28	R3.83	3.57
Louisiana	2.53	2.25	2.81	R3.04	R2.86	R3.75	R3.44	R3.02
Maine	3.25	3.25	3.25	3.84	3.10	2.72	4.11	3.79
Maryland	3.44	3.43	2.96	R4.02	R3.57	4.22	4.69	5.77
Massachusetts	3.30	2.89	3.40	R3.85	3.09	4.14	4.52	R5.00
Michigan	2.97	2.89	2.94	2.99	3.19	3.51	3.12	2.87
Minnesota	3.00	2.90	3.27	3.67	4.06	4.52	4.26	4.02
Mississippi	NA	2.99	NA	R3.39	3.31	3.83	R3.86	R3.25
Missouri	2.97	2.99	2.96	R3.75	3.13	R3.92	R4.66	5.08
Montana	2.50	2.41	2.71	3.16	2.51	3.15	4.47	3.76
Nebraska	2.98	2.70	4.71	4.24	5.31	6.30	5.76	7.03
Nevada	3.29	3.00	3.03	3.39	2.84	3.71	3.46	4.12
New Hampshire	3.93	3.74	3.77	4.10	3.72	4.02	3.95	R4.02
New Jersey	3.53	3.38	4.37	R4.19	3.77	4.49	R4.84	R4.34
New Mexico	2.20	2.02	2.24	2.53	2.31	2.85	2.59	2.62
New York	NA	NA	NA	NA	R3.33	NA	R3.68	R2.92
North Carolina	3.49	3.47	3.65	3.97	3.72	4.09	3.95	4.13
North Dakota	2.91	2.85	2.93	3.38	3.01	4.01	3.73	3.53
Ohio	4.87	4.27	4.82	R5.18	4.35	4.66	5.09	4.91
Oklahoma	2.38	2.61	2.86	3.12	R3.33	3.19	3.04	2.58
Oregon	NA	2.31	2.53	2.58	2.42	2.73	2.48	3.12
Pennsylvania	5.26	3.64	3.68	R4.09	R3.84	R4.20	4.60	R4.22
Rhode Island	3.38	3.35	3.93	4.49	4.02	4.46	4.53	5.71
South Carolina	3.34	3.05	3.37	3.81	3.72	4.13	4.15	4.03
South Dakota	2.60	3.66	3.22	R3.65	3.46	3.68	R3.43	4.03
Tennessee	2.42	3.84	NA	R3.36	R3.66	4.37	3.93	2.78
Texas	2.84	2.87	3.26	R3.66	3.97	3.86	R3.57	3.21
Utah	3.23	3.68	3.25	2.79	3.46	3.07	2.64	2.81
Vermont	2.92	2.66	2.59	2.33	2.64	2.77	2.34	2.29
Virginia	3.25	3.63	3.97	R4.14	R3.69	R4.11	R4.71	4.69
Washington	NA	NA	NA	2.62	R2.39	R2.82	R2.27	R2.44
West Virginia	2.58	3.15	3.34	R3.17	R3.11	3.07	R3.62	3.53
Wisconsin	3.33	2.99	3.21	R3.67	3.32	3.75	3.91	R4.63
Wyoming	3.29	3.31	NA	R3.11	R2.93	3.61	R3.25	3.35
Total	3.22	3.08	3.28	NA	R3.42	NA	R3.86	R3.50

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1997							
	August	July	June	May	April	March	February	January
Alabama	3.88	4.10	3.86	3.54	3.16	3.20	4.02	4.44
Alaska	1.73	1.74	1.70	1.78	1.81	1.84	1.80	1.88
Arizona	3.16	2.98	3.32	3.18	2.61	2.22	2.85	4.21
Arkansas	3.28	2.78	2.77	2.59	2.48	2.46	3.16	4.18
California	2.79	3.72	2.67	2.55	2.30	2.25	3.21	4.14
Colorado	2.41	2.67	2.57	2.42	R2.52	2.32	R3.01	R4.20
Connecticut	5.33	4.55	4.76	4.81	4.94	4.82	6.00	5.82
Delaware	3.17	R3.35	R3.42	R3.17	R2.88	3.69	4.48	5.66
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.31	3.41	3.50	3.09	3.62	4.04	4.56	4.61
Georgia	R3.89	R3.95	4.37	3.20	3.08	3.31	4.15	4.80
Hawaii	6.35	6.59	5.46	6.47	7.21	6.50	7.73	6.16
Idaho	2.50	2.16	2.83	2.98	2.08	1.85	2.13	2.37
Illinois	3.37	2.81	3.11	3.06	2.48	2.43	3.30	3.79
Indiana	2.87	2.54	2.35	2.32	2.07	2.31	3.20	4.08
Iowa	5.86	6.62	R4.75	R3.50	2.83	3.05	3.66	3.98
Kansas	R3.09	2.88	3.02	2.85	2.38	2.67	3.67	4.37
Kentucky	3.62	3.68	3.69	3.30	3.62	R3.41	3.47	4.17
Louisiana	R2.50	2.58	R2.64	R2.41	R2.37	2.44	R3.46	3.84
Maine	4.43	4.34	4.53	4.69	3.43	4.26	3.52	4.96
Maryland	6.05	5.81	4.34	R4.33	R3.21	R3.24	R3.83	R4.35
Massachusetts	4.91	5.29	5.61	2.86	3.26	2.97	4.12	R4.24
Michigan	2.63	2.54	2.69	2.60	2.56	2.66	3.28	3.98
Minnesota	2.97	3.92	3.49	2.64	2.41	2.70	3.48	4.51
Mississippi	R2.88	2.87	2.95	2.43	2.89	2.82	3.48	4.25
Missouri	R4.80	R4.62	R5.32	R3.96	R3.12	R2.79	R3.51	R4.07
Montana	3.96	3.63	3.91	2.28	3.09	2.70	3.50	3.73
Nebraska	5.51	4.96	4.09	3.11	2.28	3.02	3.75	4.42
Nevada	3.99	3.87	3.64	2.72	2.81	2.96	3.37	4.13
New Hampshire	4.45	4.28	4.34	3.66	3.15	3.99	4.42	4.93
New Jersey	4.41	4.29	4.21	3.86	3.15	3.99	R4.21	4.70
New Mexico	2.18	2.13	2.13	2.04	1.91	1.38	2.39	3.85
New York	R2.79	R2.59	R2.87	R2.64	R2.69	R2.85	R3.65	R4.45
North Carolina	3.96	3.90	3.84	3.83	3.40	3.51	4.34	4.36
North Dakota	3.36	3.14	3.17	2.95	2.50	2.43	3.59	4.22
Ohio	5.51	7.16	R6.45	5.96	5.79	5.01	5.41	5.24
Oklahoma	2.66	3.23	2.66	2.22	2.22	3.09	3.68	3.52
Oregon	4.01	3.45	3.00	3.02	1.95	1.92	2.35	2.95
Pennsylvania	4.95	R4.32	4.90	4.30	3.48	3.48	4.12	4.22
Rhode Island	6.64	7.53	6.42	4.81	3.46	3.16	4.26	4.85
South Carolina	3.86	3.74	3.78	3.54	3.25	2.95	3.97	4.20
South Dakota	4.26	4.40	4.58	3.75	3.02	2.78	3.95	4.10
Tennessee	2.51	2.71	R2.82	2.96	2.51	R2.78	3.73	4.10
Texas	3.11	3.23	3.01	2.50	2.38	3.01	4.16	4.70
Utah	3.02	2.83	2.35	1.93	2.15	2.69	2.76	2.65
Vermont	2.33	2.41	2.58	2.77	2.39	2.26	2.16	1.57
Virginia	4.47	R4.27	3.77	5.12	3.28	3.49	3.96	5.04
Washington	R2.41	R2.53	R2.28	2.53	2.70	1.89	2.62	3.45
West Virginia	R3.90	R1.87	3.90	3.02	2.88	2.17	3.54	3.61
Wisconsin	R5.12	R3.71	R5.09	R3.49	R3.11	2.89	3.54	4.13
Wyoming	2.90	2.94	2.85	1.64	2.48	3.19	3.61	4.22
Total	R3.34	R3.44	R3.41	R3.11	R2.92	R3.04	R3.76	R4.28

R = Revised Data.
NA = Not Available.
— = Not Applicable.

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 transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998				
				August	July	June	May	April
Alabama	7.75	8.41	6.95	10.78	11.13	10.91	8.99	7.73
Alaska	3.74	3.81	3.43	3.75	4.71	4.02	3.83	3.66
Arizona	8.19	7.52	7.46	13.19	12.24	11.02	9.58	8.14
Arkansas	7.37	6.61	5.67	8.99	9.03	8.72	5.83	6.86
California	6.94	6.54	6.52	7.21	7.07	7.32	7.01	6.80
Colorado	NA	4.64	4.39	NA	NA	NA	5.24	4.74
Connecticut	10.46	10.33	9.94	11.80	11.62	11.11	11.57	9.78
Delaware	8.63	8.19	6.82	12.61	11.67	10.99	9.44	8.51
District of Columbia	8.78	9.11	8.89	8.59	8.87	8.50	9.70	8.86
Florida	11.38	11.50	10.38	13.59	13.79	13.30	13.08	11.34
Georgia	7.61	7.96	6.56	15.94	16.76	11.73	13.50	7.09
Hawaii	19.97	22.13	19.56	23.96	18.60	18.75	19.37	19.21
Idaho	5.31	5.05	5.20	6.71	6.26	5.86	5.59	5.38
Illinois	5.56	6.05	5.19	8.16	8.69	8.09	7.94	5.79
Indiana	NA	6.55	5.37	NA	NA	9.95	8.81	NA
Iowa	5.92	5.92	5.28	10.78	11.56	8.41	7.80	6.36
Kansas	6.08	6.40	5.46	7.94	8.04	7.61	6.60	5.92
Kentucky	5.94	6.30	5.24	9.75	7.87	8.15	7.15	6.56
Louisiana	6.41	7.04	6.46	8.84	8.85	8.36	8.95	6.46
Maine	8.07	8.55	7.74	9.13	9.11	8.33	8.66	7.90
Maryland	8.15	8.31	7.46	11.52	12.03	10.82	9.82	8.36
Massachusetts	NA	9.34	8.76	11.36	10.45	NA	NA	9.64
Michigan	5.14	5.16	4.84	7.35	7.12	6.23	5.85	5.11
Minnesota	5.47	5.70	5.26	7.32	7.57	7.15	6.45	5.60
Mississippi	NA	6.26	5.49	NA	NA	NA	NA	NA
Missouri	6.42	6.44	5.79	10.94	9.76	8.84	7.40	6.14
Montana	NA	4.81	4.79	6.89	6.70	6.44	NA	5.15
Nebraska	5.24	5.48	4.66	7.12	6.87	6.42	5.99	5.09
Nevada	7.04	6.08	6.16	9.27	8.69	7.74	7.30	6.90
New Hampshire	NA	8.49	7.04	NA	9.15	8.20	7.07	6.50
New Jersey	7.60	7.91	7.08	9.93	9.63	9.32	6.80	7.71
New Mexico	5.65	6.58	4.54	10.57	10.89	31.23	9.69	6.26
New York	NA	9.56	NA	NA	NA	NA	NA	9.26
North Carolina	8.44	9.13	7.27	13.29	12.05	11.81	9.29	7.91
North Dakota	5.13	4.62	4.64	9.87	7.09	7.03	5.96	5.12
Ohio	NA	6.84	5.56	9.89	NA	7.35	6.56	6.22
Oklahoma	5.96	6.23	5.46	9.33	8.91	8.37	6.84	5.56
Oregon	NA	6.17	6.30	9.04	8.33	7.48	7.19	NA
Pennsylvania	NA	8.38	7.10	NA	11.22	10.51	9.02	NA
Rhode Island	NA	9.58	8.20	12.14	11.94	10.94	9.67	NA
South Carolina	8.29	8.54	7.25	10.32	10.18	9.76	8.44	7.88
South Dakota	5.62	5.48	5.07	8.63	8.90	6.54	6.88	5.88
Tennessee	NA	6.91	6.23	9.03	8.68	8.15	6.95	6.42
Texas	6.24	6.29	5.73	8.97	8.86	7.94	7.31	6.29
Utah	5.65	5.03	4.45	7.01	6.70	5.39	5.72	4.85
Vermont	6.59	6.34	6.32	8.77	8.91	8.08	7.28	6.45
Virginia	8.53	8.49	7.58	12.28	12.22	11.73	10.14	8.28
Washington	NA	5.57	5.63	NA	NA	NA	NA	NA
West Virginia	NA	7.07	6.98	NA	NA	NA	NA	7.55
Wisconsin	6.16	6.37	5.90	6.82	7.16	6.50	6.29	6.02
Wyoming	NA	4.10	4.39	6.58	NA	5.99	5.79	5.25
Total	6.82	6.92	6.21	9.20	8.99	8.40	7.59	6.77

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1998			1997				
	March	February	January	Total	December	November	October	September
Alabama	7.00	7.10	7.41	[R]8.35	[R]7.28	[R]7.95	[R]11.05	[R]11.56
Alaska	3.71	3.65	3.56	[R]3.77	3.62	3.69	3.75	3.94
Arizona	7.39	7.40	7.23	[R]7.83	[R]7.61	[R]9.20	[R]11.36	[R]9.13
Arkansas	6.41	6.50	9.42	[R]6.67	[R]6.26	[R]6.43	[R]8.70	[R]9.57
California	6.78	6.49	7.28	[R]6.81	7.20	[R]7.48	[R]7.80	7.42
Colorado	4.49	4.57	4.50	[R]4.81	[R]4.73	[R]5.18	[R]5.96	[R]7.16
Connecticut	10.18	10.33	10.36	[R]10.33	[R]10.15	[R]10.30	[R]10.27	[R]11.45
Delaware	8.15	8.08	8.07	[R]8.36	[R]8.04	[R]8.69	[R]10.74	[R]11.79
District of Columbia	8.62	8.44	9.01	[R]9.39	[R]8.97	11.01	11.27	11.34
Florida	10.51	10.47	10.33	[R]11.90	[R]11.78	[R]13.01	[R]13.85	[R]14.01
Georgia	5.78	6.15	6.40	[R]7.41	[R]6.05	[R]5.91	[R]8.08	[R]10.62
Hawaii	19.87	20.46	19.99	[R]21.74	[R]20.43	[R]20.87	[R]21.07	[R]21.36
Idaho	5.18	5.14	5.01	[R]5.12	4.98	5.28	5.66	[R]6.37
Illinois	4.90	4.91	4.88	5.95	[R]5.38	5.65	[R]6.05	[R]8.01
Indiana	6.13	6.22	6.12	6.37	[R]5.51	[R]5.85	[R]6.65	[R]8.81
Iowa	4.79	4.97	5.49	[R]6.17	[R]6.02	[R]6.41	[R]7.69	[R]11.05
Kansas	5.76	5.80	5.82	[R]6.42	[R]5.92	[R]6.42	[R]7.68	[R]8.49
Kentucky	5.25	5.47	5.48	[R]6.37	[R]6.39	[R]6.09	[R]7.41	[R]7.82
Louisiana	5.28	5.60	6.10	[R]7.16	[R]6.34	[R]7.88	[R]9.43	[R]8.96
Maine	7.90	7.90	7.90	8.47	8.36	8.21	7.80	9.46
Maryland	7.53	7.36	7.38	[R]8.36	[R]7.38	8.71	9.91	10.72
Massachusetts	9.37	9.26	9.19	[R]9.43	[R]9.94	[R]9.70	[R]8.51	[R]10.00
Michigan	4.69	4.92	4.85	[R]5.20	[R]4.98	[R]5.13	[R]5.80	[R]6.88
Minnesota	5.18	5.11	5.07	[R]5.76	[R]5.09	[R]6.04	[R]6.67	[R]8.31
Mississippi	NA	5.39	NA	[R]6.35	[R]5.74	[R]6.79	[R]8.40	[R]8.06
Missouri	5.58	5.86	6.30	[R]6.61	[R]6.46	[R]6.70	[R]8.86	[R]9.63
Montana	4.97	5.03	4.87	[R]5.05	[R]5.31	[R]5.39	[R]5.81	[R]6.70
Nebraska	4.74	4.93	5.28	[R]5.69	[R]6.01	[R]6.01	[R]7.31	[R]7.67
Nevada	6.80	6.79	6.53	[R]6.27	[R]6.18	[R]6.72	[R]7.64	[R]7.92
New Hampshire	8.50	8.38	8.30	8.48	8.46	8.87	7.47	[R]8.93
New Jersey	7.39	7.23	7.41	[R]7.93	[R]7.62	[R]7.77	[R]8.53	[R]9.91
New Mexico	4.55	5.23	3.72	[R]5.87	[R]3.68	[R]4.56	[R]8.48	[R]11.05
New York	8.54	8.62	NA	[R]9.73	[R]9.34	[R]9.93	[R]11.38	[R]12.59
North Carolina	7.77	7.93	8.33	[R]8.98	[R]8.03	[R]8.21	[R]11.17	[R]13.08
North Dakota	4.79	4.68	4.52	[R]4.99	[R]5.67	[R]5.81	[R]6.50	[R]7.36
Ohio	5.97	5.75	6.25	6.75	6.20	6.31	7.40	8.29
Oklahoma	5.43	5.73	5.56	[R]6.23	[R]5.44	[R]6.06	[R]8.77	[R]9.11
Oregon	NA	6.44	6.09	[R]6.21	[R]6.01	[R]6.28	[R]6.59	[R]7.34
Pennsylvania	8.05	8.03	9.60	[R]8.33	[R]7.75	[R]7.87	[R]8.98	[R]10.93
Rhode Island	9.03	8.86	8.83	9.61	8.97	9.74	10.64	12.10
South Carolina	8.02	8.27	8.17	[R]8.37	[R]7.77	[R]7.79	[R]9.28	[R]9.88
South Dakota	5.31	5.07	5.01	5.75	5.94	[R]6.16	[R]7.07	9.10
Tennessee	5.96	6.31	NA	[R]6.91	[R]6.66	[R]6.68	[R]8.26	[R]8.74
Texas	5.14	6.58	5.42	[R]6.32	[R]5.59	[R]6.40	[R]8.00	[R]8.55
Utah	5.51	5.73	5.83	[R]5.13	[R]5.29	[R]5.70	[R]4.65	[R]5.59
Vermont	6.30	6.23	6.19	6.41	6.21	6.43	7.06	8.41
Virginia	7.75	8.05	8.11	[R]8.60	[R]7.90	[R]8.80	[R]10.85	[R]12.04
Washington	NA	NA	NA	[R]5.64	[R]5.68	[R]5.75	[R]5.83	[R]5.86
West Virginia	6.85	6.78	6.81	[R]6.81	[R]5.87	[R]6.63	[R]6.02	[R]8.96
Wisconsin	6.28	5.98	5.96	[R]6.43	[R]6.28	[R]7.13	[R]5.98	[R]6.82
Wyoming	5.13	5.14	NA	[R]4.58	[R]6.16	[R]5.26	5.54	[R]6.29
Total	6.27	6.41	6.46	6.94	[R]6.54	[R]6.86	[R]7.69	[R]8.84

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1997							
	August	July	June	May	April	March	February	January
Alabama	[R]11.64	[R]11.21	[R]10.40	[R]8.65	[R]9.17	[R]8.61	[R]7.57	[R]7.58
Alaska	[R]4.49	4.43	4.27	3.88	3.75	3.75	3.67	[R]3.62
Arizona	[R]10.57	[R]10.08	[R]9.62	[R]8.71	[R]7.95	[R]7.05	[R]6.83	[R]6.64
Arkansas	[R]9.29	[R]8.68	[R]8.26	[R]6.96	[R]6.43	[R]6.17	[R]6.12	[R]6.51
California	[R]7.56	7.05	[R]7.70	6.38	6.18	6.42	6.27	6.27
Colorado	[R]6.95	[R]6.91	[R]5.94	[R]4.91	[R]4.71	[R]4.38	[R]4.31	[R]4.02
Connecticut	[R]11.35	[R]11.22	[R]10.59	[R]10.59	[R]9.96	[R]9.55	[R]10.84	[R]10.29
Delaware	[R]11.86	[R]11.61	[R]10.06	[R]8.87	[R]8.19	[R]7.89	[R]7.70	[R]7.49
District of Columbia	8.40	8.46	8.28	9.18	8.74	8.57	9.36	9.81
Florida	[R]14.09	[R]13.72	[R]13.25	[R]12.51	[R]12.07	[R]11.35	[R]10.01	[R]9.90
Georgia	[R]11.74	[R]11.85	[R]12.36	[R]10.41	[R]6.22	[R]8.87	[R]7.30	[R]6.52
Hawaii	[R]21.64	[R]21.20	[R]21.54	[R]21.81	[R]21.33	[R]22.32	[R]25.59	[R]21.17
Idaho	[R]6.52	6.16	5.81	5.26	5.10	4.95	4.80	4.81
Illinois	[R]7.88	[R]7.84	[R]7.94	5.43	5.10	5.28	6.50	6.15
Indiana	[R]9.44	[R]10.22	[R]8.89	[R]7.26	[R]6.73	[R]6.31	[R]6.09	[R]5.84
Iowa	[R]10.11	[R]9.41	[R]7.97	[R]6.13	[R]5.16	[R]5.49	[R]5.92	[R]5.48
Kansas	[R]8.21	[R]7.47	[R]7.98	[R]6.20	[R]6.00	[R]5.94	[R]6.54	[R]6.29
Kentucky	[R]9.10	[R]8.52	[R]7.44	[R]6.57	[R]6.74	[R]6.23	[R]5.93	[R]5.78
Louisiana	[R]8.49	[R]8.21	[R]8.21	[R]7.25	[R]5.96	[R]6.27	[R]6.89	[R]7.26
Maine	9.25	9.69	8.39	7.95	9.05	8.65	8.66	8.10
Maryland	11.35	10.88	9.62	8.26	8.14	[R]7.73	[R]8.12	[R]8.03
Massachusetts	10.39	[R]9.78	[R]8.25	[R]7.43	[R]9.82	[R]9.62	[R]9.54	[R]9.37
Michigan	[R]7.33	[R]6.95	[R]6.21	[R]5.15	[R]4.97	[R]4.87	[R]4.99	[R]5.09
Minnesota	[R]7.94	[R]7.76	[R]6.78	[R]5.39	[R]4.63	[R]4.73	[R]5.70	[R]6.35
Mississippi	[R]7.91	[R]7.62	[R]7.45	[R]7.00	[R]6.50	[R]5.56	[R]5.68	[R]6.25
Missouri	[R]9.42	[R]8.81	[R]7.58	[R]5.91	[R]5.35	[R]5.73	[R]6.53	[R]6.70
Montana	[R]6.95	[R]7.42	[R]6.07	[R]4.98	[R]4.71	[R]4.67	[R]4.47	[R]4.45
Nebraska	[R]7.47	[R]7.21	[R]6.48	[R]4.51	[R]4.77	[R]4.72	[R]5.58	[R]6.03
Nevada	[R]7.96	[R]7.55	[R]7.28	[R]6.61	[R]6.14	[R]5.76	[R]5.74	[R]5.52
New Hampshire	9.17	9.01	7.59	6.62	6.62	9.36	9.24	9.10
New Jersey	[R]10.12	[R]9.80	[R]9.55	[R]8.45	[R]7.18	[R]7.56	[R]7.68	[R]7.81
New Mexico	[R]11.33	[R]11.85	[R]41.56	[R]6.66	[R]8.95	[R]4.55	[R]5.19	[R]5.92
New York	[R]11.62	[R]12.70	[R]10.83	[R]9.01	[R]8.51	[R]8.86	[R]9.55	[R]9.88
North Carolina	[R]13.12	[R]12.39	[R]10.28	[R]8.56	[R]8.66	[R]9.57	[R]8.74	[R]8.75
North Dakota	[R]7.39	[R]7.19	[R]6.29	[R]5.33	[R]4.20	[R]4.21	[R]4.38	[R]4.47
Ohio	8.46	8.71	7.42	6.74	6.60	6.51	6.83	6.72
Oklahoma	[R]9.19	[R]8.79	[R]7.99	[R]6.68	[R]5.85	[R]5.56	[R]5.68	[R]6.32
Oregon	[R]7.54	[R]7.31	[R]7.08	[R]6.51	[R]6.18	[R]6.00	[R]5.91	[R]5.90
Pennsylvania	[R]11.68	[R]11.83	[R]10.14	[R]8.87	[R]8.40	[R]8.12	[R]8.04	[R]7.63
Rhode Island	12.53	12.30	10.90	9.70	9.67	9.39	9.18	8.79
South Carolina	[R]9.97	[R]9.47	[R]8.72	[R]7.87	[R]8.14	[R]8.99	[R]8.46	[R]8.44
South Dakota	8.07	8.39	7.83	5.92	4.95	4.83	5.09	5.50
Tennessee	[R]8.93	[R]8.85	[R]8.05	[R]6.44	[R]6.34	[R]6.67	[R]6.98	[R]6.81
Texas	[R]8.78	[R]8.26	[R]7.72	[R]6.33	[R]5.58	[R]5.48	[R]5.96	[R]6.26
Utah	[R]5.98	[R]5.65	[R]5.71	[R]5.84	[R]4.19	[R]5.17	[R]4.92	[R]4.94
Vermont	8.78	8.51	7.35	6.52	6.23	6.08	6.04	6.04
Virginia	[R]12.20	[R]11.99	[R]10.50	[R]8.88	[R]7.97	[R]7.42	[R]7.92	[R]8.71
Washington	[R]5.88	[R]5.90	[R]5.84	[R]5.71	[R]5.70	[R]5.50	[R]5.42	[R]5.41
West Virginia	[R]9.68	[R]10.50	[R]8.53	[R]7.31	[R]6.96	[R]6.85	[R]6.72	[R]6.73
Wisconsin	[R]6.89	[R]6.48	[R]6.58	[R]5.06	[R]6.22	[R]5.80	[R]6.51	[R]6.99
Wyoming	[R]6.59	[R]5.91	[R]5.32	[R]3.27	[R]4.80	[R]4.07	[R]3.96	[R]3.56
Total	[R]8.99	[R]8.78	[R]8.30	[R]6.83	[R]6.53	[R]6.52	[R]6.79	6.74

[R] = Revised Data.
[NA] = Not Available.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998				
				August	July	June	May	April
Alabama	6.49	7.03	6.08	6.96	7.25	7.24	6.18	6.00
Alaska	2.32	2.41	2.34	2.15	2.08	2.05	2.24	2.31
Arizona	5.83	5.15	5.00	6.30	6.25	6.19	6.14	5.79
Arkansas	NA	5.17	4.49	4.99	5.29	NA	5.31	5.23
California	6.38	6.30	6.03	5.88	5.50	5.91	5.68	6.65
Colorado	NA	3.92	3.75	NA	NA	4.44	4.21	4.05
Connecticut	6.94	7.24	7.45	5.53	4.66	5.88	7.03	6.86
Delaware	6.98	6.63	5.68	8.40	8.14	7.81	7.33	6.85
District of Columbia	7.32	7.94	7.18	7.14	6.98	6.97	6.99	7.09
Florida	6.68	6.72	6.47	6.22	6.55	6.70	6.83	6.71
Georgia	6.46	6.76	5.82	8.96	9.40	7.59	7.99	5.53
Hawaii	13.05	15.04	14.08	10.50	12.36	12.60	13.20	13.32
Idaho	4.56	4.46	4.56	4.88	4.90	4.83	4.77	4.76
Illinois	4.95	5.44	4.79	5.99	6.29	5.72	6.81	5.21
Indiana	NA	5.60	4.54	NA	NA	NA	6.35	NA
Iowa	4.60	5.00	4.29	6.27	7.53	4.17	5.48	5.19
Kansas	5.05	5.37	4.52	4.36	5.45	5.65	5.75	6.08
Kentucky	5.52	5.75	4.80	5.69	6.14	5.57	5.33	5.67
Louisiana	NA	6.12	5.95	5.68	5.85	NA	6.10	5.49
Maine	7.31	7.78	6.99	6.89	6.81	6.70	7.20	7.41
Maryland	6.47	6.52	6.04	7.49	8.19	6.65	7.82	6.82
Massachusetts	7.31	7.40	6.73	6.45	6.22	6.55	6.86	7.65
Michigan	4.86	4.96	4.64	5.70	5.88	5.38	5.21	4.92
Minnesota	4.48	4.78	4.46	4.44	4.66	4.46	4.63	4.53
Mississippi	NA	5.18	5.30	NA	NA	NA	NA	NA
Missouri	5.66	5.78	5.24	6.04	5.93	5.65	5.52	5.37
Montana	NA	4.78	4.61	5.86	6.06	5.47	NA	5.05
Nebraska	4.74	4.76	4.40	3.73	3.91	3.91	4.25	4.42
Nevada	5.82	4.98	4.88	6.90	6.08	5.91	5.75	5.76
New Hampshire	NA	7.76	6.51	NA	6.59	NA	5.98	6.06
New Jersey	4.10	6.24	6.33	2.87	3.96	3.74	3.84	4.17
New Mexico	4.24	4.24	3.31	4.71	4.88	6.66	5.15	4.42
New York	NA	6.61	NA	NA	NA	NA	NA	6.20
North Carolina	6.57	7.14	6.00	6.28	6.45	6.16	6.18	6.09
North Dakota	4.33	4.06	4.08	7.28	4.72	4.86	4.54	4.16
Ohio	NA	6.34	5.09	7.81	NA	6.30	5.76	5.79
Oklahoma	5.30	5.40	4.60	5.34	5.39	5.24	4.97	4.57
Oregon	NA	4.60	4.86	5.89	5.75	5.52	5.51	NA
Pennsylvania	NA	7.51	6.28	NA	8.03	8.25	8.23	NA
Rhode Island	NA	8.25	7.36	9.35	8.98	8.88	NA	NA
South Carolina	6.50	7.08	6.21	5.91	5.94	6.00	5.98	6.40
South Dakota	4.46	4.46	4.15	5.60	6.23	4.33	5.07	4.69
Tennessee	NA	6.02	5.76	6.24	5.98	5.95	5.83	5.68
Texas	4.59	4.86	4.07	4.19	4.30	4.12	4.44	4.75
Utah	4.28	3.67	3.30	4.81	4.37	3.93	3.93	3.76
Vermont	5.22	5.24	5.28	5.17	4.91	5.30	5.98	5.14
Virginia	6.03	6.46	5.74	6.21	5.76	6.14	5.44	5.63
Washington	NA	4.68	4.80	NA	NA	NA	NA	NA
West Virginia	NA	6.32	6.05	6.55	6.86	NA	7.34	6.60
Wisconsin	4.95	5.27	4.72	4.57	4.82	4.44	4.16	4.75
Wyoming	NA	3.47	3.99	5.45	NA	NA	4.77	4.60
Total	5.54	5.82	5.34	5.47	5.63	5.53	5.61	5.57

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1998			1997				
	March	February	January	Total	December	November	October	September
Alabama	6.27	6.47	6.65	[R]6.98	[R]6.56	[R]6.77	[R]7.40	[R]7.53
Alaska	2.39	2.45	2.49	2.44	2.55	2.53	2.52	2.28
Arizona	5.50	5.59	5.65	[R]5.31	[R]5.55	[R]5.82	[R]5.82	[R]5.81
Arkansas	5.04	5.19	5.14	[R]5.23	[R]5.13	[R]5.47	[R]5.77	[R]5.56
California	7.06	6.75	6.69	[R]6.41	[R]6.99	[R]7.04	[R]6.65	[R]5.84
Colorado	4.04	4.07	4.18	[R]4.06	[R]4.43	[R]4.39	[R]4.72	[R]4.01
Connecticut	7.42	7.28	7.73	[R]7.23	[R]7.48	[R]7.59	[R]6.36	[R]6.48
Delaware	6.75	6.72	6.70	[R]6.70	[R]6.60	[R]6.88	[R]7.46	[R]7.15
District of Columbia	7.46	7.34	7.65	[R]7.37	[R]3.15	[R]8.77	[R]8.07	[R]8.10
Florida	6.69	6.72	6.83	[R]6.85	[R]7.22	[R]7.32	[R]7.04	[R]6.85
Georgia	5.51	5.86	6.16	[R]6.43	[R]5.73	[R]5.53	[R]6.22	[R]6.49
Hawaii	13.66	14.41	14.35	[R]15.77	[R]13.87	[R]59.38	[R]14.59	[R]14.46
Idaho	4.46	4.40	4.41	[R]4.49	[R]4.35	[R]4.68	[R]4.75	[R]4.75
Illinois	4.70	4.25	4.76	[R]5.43	[R]5.21	[R]5.26	[R]5.79	[R]6.22
Indiana	5.44	5.97	5.52	[R]5.44	[R]5.11	[R]4.96	[R]4.97	[R]6.10
Iowa	3.72	4.08	4.71	[R]5.18	[R]5.16	[R]5.46	[R]5.91	[R]7.37
Kansas	3.85	5.43	5.44	[R]5.38	[R]5.14	[R]5.72	[R]5.63	[R]5.42
Kentucky	5.44	5.63	5.32	5.79	5.92	6.03	5.42	5.90
Louisiana	4.94	5.24	5.73	[R]6.22	[R]5.91	[R]7.00	[R]7.14	[R]6.03
Maine	7.41	7.41	7.41	7.70	7.79	7.62	6.84	7.61
Maryland	6.15	6.18	6.14	[R]6.52	[R]5.61	[R]7.12	[R]7.19	[R]6.90
Massachusetts	7.46	7.73	7.39	[R]7.34	8.03	7.74	5.63	5.45
Michigan	4.58	4.76	4.77	[R]5.00	[R]4.87	[R]5.03	[R]5.49	[R]6.07
Minnesota	4.41	4.42	4.50	[R]4.80	[R]4.34	[R]5.20	[R]5.11	[R]5.20
Mississippi	NA	4.35	NA	[R]5.26	[R]5.23	[R]5.75	[R]5.77	[R]4.93
Missouri	5.27	5.63	6.08	[R]5.88	[R]6.23	[R]6.08	[R]6.16	[R]5.74
Montana	4.91	4.97	4.85	[R]4.83	[R]5.39	[R]3.92	[R]5.54	[R]4.52
Nebraska	6.13	4.44	4.66	[R]4.88	[R]5.35	[R]5.41	[R]5.27	[R]4.34
Nevada	5.69	5.76	5.63	[R]5.08	[R]5.32	[R]5.42	[R]5.43	[R]5.18
New Hampshire	7.64	7.57	7.60	[R]7.63	[R]7.77	[R]7.81	[R]6.14	[R]6.25
New Jersey	3.83	4.13	4.85	[R]5.88	[R]4.97	[R]5.34	[R]4.92	[R]4.30
New Mexico	3.91	4.35	3.66	[R]4.01	[R]3.25	[R]3.52	[R]4.14	[R]4.51
New York	NA	NA	NA	[R]6.49	[R]6.80	[R]6.58	[R]5.62	[R]5.09
North Carolina	6.45	6.72	7.05	[R]7.00	6.96	6.70	[R]6.29	6.46
North Dakota	4.17	4.13	4.03	[R]4.35	[R]4.94	[R]5.14	[R]5.15	[R]5.11
Ohio	5.62	5.43	5.96	[R]6.23	[R]5.86	[R]5.97	[R]6.14	[R]6.45
Oklahoma	5.27	5.56	5.53	[R]5.34	[R]5.23	[R]5.17	[R]5.38	[R]4.87
Oregon	NA	5.17	4.92	[R]4.63	[R]4.66	[R]4.73	[R]4.65	[R]4.80
Pennsylvania	7.33	7.36	7.14	[R]7.35	[R]6.89	[R]6.83	[R]7.25	7.68
Rhode Island	7.88	7.78	7.75	8.21	7.98	8.02	8.00	8.77
South Carolina	6.55	6.91	6.92	[R]6.74	[R]7.31	[R]7.22	[R]6.52	[R]3.49
South Dakota	4.37	4.10	4.12	4.71	5.06	5.22	5.50	6.51
Tennessee	5.55	6.37	NA	[R]6.11	[R]6.36	[R]6.27	[R]6.33	[R]6.05
Texas	4.32	5.37	4.66	[R]4.91	[R]4.99	[R]5.27	[R]4.96	[R]4.72
Utah	4.36	4.35	4.54	[R]3.92	4.39	4.65	3.78	3.99
Vermont	5.10	5.23	5.21	5.18	5.15	4.99	4.91	5.01
Virginia	5.82	6.33	6.41	[R]6.45	[R]6.37	6.42	[R]6.55	[R]6.58
Washington	NA	NA	NA	[R]4.73	[R]4.78	[R]4.81	[R]4.87	[R]4.90
West Virginia	6.32	6.31	6.28	[R]6.34	[R]6.18	[R]6.24	[R]6.76	[R]7.54
Wisconsin	5.24	4.96	5.12	[R]5.35	[R]5.46	[R]5.98	[R]4.83	[R]4.80
Wyoming	4.55	4.56	NA	3.93	[R]5.52	4.62	[R]5.08	[R]4.55
Total	5.38	5.56	5.59	5.79	[R]5.70	[R]5.85	5.73	[R]5.57

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1997							
	August	July	June	May	April	March	February	January
Alabama	R7.44	R7.54	R7.16	R6.79	R7.05	R7.20	R6.86	R6.91
Alaska	2.09	2.24	2.15	2.23	2.37	2.53	2.52	2.60
Arizona	R5.33	R5.21	R5.20	R5.18	R5.08	R5.26	R5.10	R5.00
Arkansas	R5.19	R5.33	R5.39	R5.15	R4.91	R4.87	R5.08	R5.44
California	R4.96	R5.86	R6.27	R5.29	R6.05	R6.66	R6.93	R7.13
Colorado	R4.70	R4.45	R4.23	R4.08	R3.98	R3.97	R3.83	R3.53
Connecticut	R5.14	R5.54	R5.67	R6.69	R7.12	R7.54	R8.31	R7.96
Delaware	R8.54	R7.81	R7.30	R6.74	R6.53	R6.39	R6.46	R6.25
District of Columbia	R7.19	R6.91	R7.02	R6.86	R10.04	R7.60	R7.96	R8.23
Florida	R6.54	R6.89	R6.84	R6.80	R6.66	R6.87	R6.76	R6.48
Georgia	R7.02	R7.63	R7.71	R6.33	R5.60	R7.57	R6.69	R6.47
Hawaii	R14.93	R14.91	R15.21	R15.09	R15.18	R15.55	R14.91	R14.56
Idaho	R4.85	R4.78	R4.80	R4.68	R4.64	R4.37	R4.30	R4.31
Illinois	R6.08	R5.66	R5.53	R4.91	R4.62	R4.95	R5.66	R5.87
Indiana	R6.12	R6.55	R6.33	R6.20	R6.02	R5.41	R5.47	R5.18
Iowa	R6.39	R5.64	R5.99	R4.83	R4.30	R4.76	R5.27	R4.91
Kansas	R4.65	R4.71	R4.65	R4.98	R4.89	R5.16	R5.91	R5.78
Kentucky	5.95	6.20	6.00	5.53	5.85	5.72	5.80	5.61
Louisiana	R5.66	R5.31	R6.00	R5.84	R5.01	R5.84	R6.59	R7.10
Maine	7.16	7.12	6.94	6.67	8.28	8.10	8.12	7.75
Maryland	R6.32	R6.09	R6.53	R6.06	R6.11	R5.92	R7.07	R6.92
Massachusetts	R5.65	5.34	5.04	5.44	7.94	8.14	8.28	R8.16
Michigan	R6.06	R5.90	R5.53	R4.90	R4.70	R4.79	R4.88	R5.07
Minnesota	R4.59	R4.63	R4.64	R4.02	R3.86	R4.11	R5.15	R5.77
Mississippi	R4.90	R4.54	R4.93	R5.23	R5.08	R4.75	R5.33	R5.78
Missouri	R5.22	R5.13	R4.89	R4.43	R4.60	R5.12	R6.52	R6.64
Montana	R5.89	R5.78	R5.54	R4.95	R4.65	R4.70	R4.58	R4.59
Nebraska	R3.77	R3.57	R5.90	R5.01	R3.92	R4.24	R5.25	R5.93
Nevada	R5.18	R5.07	R5.03	R5.08	R5.14	R4.91	R4.82	R4.93
New Hampshire	R6.45	R6.47	R6.19	R5.85	R6.50	R8.65	R8.79	R8.39
New Jersey	R4.54	R4.35	R4.41	R5.81	R5.09	R7.04	R7.14	R6.78
New Mexico	R4.67	R4.73	R6.54	R3.79	R4.13	R3.20	R3.96	R4.87
New York	R4.86	R4.40	R5.32	R5.95	R6.15	R6.78	R7.61	R8.17
North Carolina	6.44	6.44	5.99	R6.10	6.50	7.85	7.67	7.52
North Dakota	R4.58	R5.11	R4.76	R4.38	R3.69	3.65	R4.07	R4.22
Ohio	R6.73	R6.67	R6.91	R6.00	R6.10	R5.95	R6.65	R6.37
Oklahoma	R4.80	R4.79	R5.00	R4.83	R4.67	R5.11	R5.58	R6.21
Oregon	R4.87	R4.75	R4.78	R4.61	R4.60	R4.56	R4.54	R4.55
Pennsylvania	R8.04	R8.05	R8.12	R7.98	R7.69	R7.36	R7.54	R7.06
Rhode Island	9.12	8.96	8.77	8.07	8.46	8.17	8.20	7.88
South Carolina	R6.45	R6.31	R6.33	R6.33	R7.05	R7.70	R7.35	R7.68
South Dakota	5.22	5.44	6.09	4.77	4.04	3.96	4.28	4.61
Tennessee	R5.99	R6.09	R6.00	R5.38	R5.07	R5.85	R6.29	R6.49
Texas	R4.54	R4.41	R4.68	R4.48	R4.18	R4.31	R5.15	R5.85
Utah	4.02	3.82	3.60	3.37	3.09	3.81	3.75	3.81
Vermont	5.43	5.42	5.41	5.58	5.10	5.15	5.21	5.24
Virginia	R6.56	R6.66	R6.08	R6.29	R6.27	R5.91	R6.59	R6.94
Washington	R5.29	R4.93	R4.63	R4.80	R4.19	R4.68	R4.69	R4.62
West Virginia	R8.13	R8.42	R7.68	R6.72	R6.34	R6.14	R6.05	R6.01
Wisconsin	R4.66	R4.26	R4.69	R3.79	R5.02	R4.98	R5.54	R6.08
Wyoming	R4.43	4.11	3.93	2.65	3.59	3.46	3.53	3.41
Total	R5.43	R5.35	R5.64	5.39	R5.46	R5.72	R6.13	R6.18

R = Revised Data.
NA = Not Available.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998				
				August	July	June	May	April
Alabama	3.26	3.60	3.65	3.06	3.15	3.11	3.16	3.44
Alaska	NA	1.53	1.45	NA	1.22	1.40	1.43	1.42
Arizona	3.44	3.75	3.80	3.20	3.36	3.51	3.44	3.45
Arkansas	3.49	3.58	3.13	3.09	3.47	3.28	3.28	3.39
California	3.75	4.06	3.68	3.28	3.48	3.38	2.88	3.97
Colorado	NA	3.44	0.53	NA	NA	NA	2.48	2.26
Connecticut	4.44	4.77	4.82	3.63	3.61	3.69	4.13	4.55
Delaware	4.26	4.30	4.17	5.12	4.32	4.35	4.32	4.63
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.35	4.28	4.22	4.02	4.37	4.20	4.46	4.58
Georgia	5.19	4.54	4.66	5.06	3.85	4.90	5.30	5.15
Hawaii	—	—	—	—	—	—	—	—
Idaho [a]	3.11	2.78	2.88	3.32	2.97	3.10	3.09	3.10
Illinois	4.11	3.95	4.08	4.38	3.10	4.49	4.18	4.02
Indiana	NA	4.51	3.54	NA	NA	4.53	4.51	NA
Iowa	1.70	3.88	3.50	3.65	4.14	3.18	3.39	0.73
Kansas	3.01	3.18	2.92	2.45	2.44	3.11	3.31	3.56
Kentucky	3.89	4.07	3.80	3.71	3.61	3.48	3.21	3.85
Louisiana	2.45	2.77	2.81	1.98	2.30	2.43	2.62	2.19
Maine	5.13	5.51	5.19	3.80	4.17	4.10	4.70	6.02
Maryland	NA	3.24	5.41	4.69	6.15	NA	5.02	5.10
Massachusetts	6.03	5.88	5.45	4.36	4.83	4.89	4.66	6.64
Michigan	3.99	4.00	3.86	5.21	4.77	4.32	4.01	3.81
Minnesota	2.88	3.14	2.94	2.51	2.84	2.09	3.03	3.06
Mississippi	NA	3.43	3.41	NA	NA	NA	NA	NA
Missouri	4.51	4.67	4.24	4.27	3.73	4.27	4.25	4.30
Montana	4.86	4.76	4.84	7.57	6.88	3.72	5.89	5.22
Nebraska	3.26	3.71	3.15	2.72	3.20	3.34	3.34	3.35
Nevada	5.39	7.17	4.94	4.46	5.86	5.81	5.94	5.84
New Hampshire	NA	4.80	4.27	NA	3.58	3.38	3.90	3.77
New Jersey	3.34	3.73	3.89	2.88	3.17	3.39	3.43	3.42
New Mexico	3.41	3.10	3.08	3.19	3.13	3.45	3.77	4.00
New York	NA	5.13	5.17	NA	NA	NA	NA	4.49
North Carolina	4.00	4.70	4.22	3.62	3.60	3.57	3.68	3.63
North Dakota	3.02	2.92	3.23	2.53	2.85	2.60	3.15	3.10
Ohio	NA	5.00	4.14	7.46	NA	5.05	4.98	5.21
Oklahoma	3.79	4.15	3.12	3.44	3.41	3.43	3.13	3.32
Oregon	NA	3.03	3.20	3.80	NA	3.77	3.75	NA
Pennsylvania	4.35	4.71	4.18	3.88	3.94	4.09	4.05	4.40
Rhode Island	NA	2.05	4.41	2.98	3.59	3.58	NA	3.86
South Carolina	3.30	3.63	3.75	2.47	3.37	3.21	3.31	3.42
South Dakota	3.33	3.95	2.91	3.17	3.21	3.54	3.44	3.37
Tennessee	NA	4.02	3.90	3.38	4.37	3.50	3.54	3.64
Texas	2.42	2.66	2.49	2.15	2.53	2.24	2.44	2.49
Utah	3.05	2.40	2.09	3.36	3.20	2.78	2.90	2.95
Vermont	2.90	3.07	3.56	2.77	2.78	2.78	2.87	2.86
Virginia	3.92	4.70	4.19	3.33	3.61	3.44	3.01	3.45
Washington	NA	3.23	2.60	NA	NA	NA	NA	NA
West Virginia	NA	2.91	2.70	NA	NA	NA	NA	2.97
Wisconsin	3.97	3.98	3.35	3.49	3.76	3.44	3.69	4.20
Wyoming	NA	3.47	3.11	NA	NA	3.82	4.19	4.12
Total	3.23	3.49	3.36	2.73	2.99	2.95	3.10	3.22

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1998			1997				
	March	February	January	Total	December	November	October	September
Alabama	3.03	3.50	3.47	[R]3.65	[R]3.79	[R]3.81	[R]3.85	[R]3.38
Alaska	1.45	1.52	1.56	1.54	1.56	1.55	1.54	1.57
Arizona	3.33	3.76	3.53	[R]3.60	[R]3.40	[R]3.23	[R]3.71	[R]3.29
Arkansas	3.78	3.62	3.77	[R]3.71	[R]4.01	[R]4.31	[R]3.90	[R]3.61
California	3.31	5.34	4.55	[R]4.18	[R]4.51	[R]4.58	[R]4.36	[R]3.54
Colorado	2.62	2.58	2.69	[R]3.66	[R]3.79	[R]4.91	[R]4.07	[R]3.31
Connecticut	4.74	5.13	5.12	[R]4.73	[R]5.10	[R]4.94	[R]4.33	[R]4.06
Delaware	3.79	4.08	4.22	[R]4.40	[R]4.72	[R]4.87	[R]4.63	[R]4.13
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.40	4.29	4.59	[R]4.41	[R]4.70	[R]4.96	[R]4.78	[R]4.56
Georgia	5.18	5.37	5.63	[R]4.56	[R]4.22	[R]4.63	[R]4.52	[R]5.57
Hawaii	—	—	—	[R]10.79	—	—	—	—
Idaho [a]	3.25	3.02	3.06	[R]2.76	2.77	2.74	2.72	2.69
Illinois	4.08	4.12	4.22	[R]3.97	[R]4.17	[R]4.80	[R]3.77	[R]3.23
Indiana	4.56	4.29	4.68	[R]4.33	[R]4.73	[R]3.67	[R]3.59	[R]4.29
Iowa	0.64	2.42	3.43	[R]4.11	[R]4.55	[R]4.53	[R]4.41	[R]3.89
Kansas	3.61	3.67	3.91	[R]3.32	[R]3.61	[R]3.81	[R]3.96	[R]3.14
Kentucky	3.79	4.51	4.59	[R]4.19	[R]4.85	[R]4.91	[R]3.97	[R]3.81
Louisiana	2.89	2.22	2.90	[R]2.87	[R]2.91	[R]3.42	[R]3.27	[R]2.78
Maine	6.02	6.02	6.02	5.55	7.19	5.88	4.68	4.65
Maryland	4.68	4.82	5.42	[R]3.25	[R]3.76	[R]3.64	[R]2.99	[R]3.33
Massachusetts	6.77	6.70	6.79	[R]5.78	[R]6.72	[R]6.34	[R]4.34	[R]4.03
Michigan	3.61	4.11	3.90	[R]4.02	[R]4.02	[R]4.07	[R]4.33	[R]3.99
Minnesota	3.08	3.00	3.25	[R]3.28	3.24	[R]3.87	[R]3.83	[R]3.10
Mississippi	NA	3.22	NA	[R]3.55	[R]3.60	[R]4.12	[R]3.93	[R]3.43
Missouri	4.27	4.69	5.30	[R]4.78	[R]5.48	[R]4.23	[R]4.51	[R]4.03
Montana	5.02	4.85	4.82	[R]4.79	[R]4.85	[R]4.80	[R]4.91	[R]4.90
Nebraska	3.34	3.27	3.30	[R]3.85	[R]4.08	[R]4.44	[R]4.28	[R]3.59
Nevada	6.00	6.06	5.90	[R]7.77	[R]7.98	[R]9.55	[R]11.41	[R]9.10
New Hampshire	5.47	5.84	7.08	[R]4.90	[R]7.36	[R]6.48	[R]4.50	[R]3.61
New Jersey	3.24	3.42	3.71	[R]3.78	[R]3.99	[R]4.24	3.79	[R]3.43
New Mexico	4.09	5.84	2.16	[R]2.99	[R]2.14	[R]2.81	[R]3.57	[R]3.10
New York	15.18	NA	NA	[R]5.05	[R]5.56	[R]5.29	[R]4.69	[R]3.47
North Carolina	4.19	4.41	4.95	[R]4.66	[R]5.03	[R]4.98	[R]4.07	[R]4.24
North Dakota	3.22	3.01	3.22	[R]3.05	[R]3.24	[R]3.64	[R]3.84	[R]3.16
Ohio	5.67	5.06	5.62	[R]4.93	[R]4.84	[R]4.79	[R]4.31	[R]4.80
Oklahoma	4.12	4.18	4.10	[R]4.18	[R]4.39	[R]4.50	[R]4.22	[R]3.59
Oregon	NA	3.73	3.67	[R]3.03	[R]3.32	[R]3.10	[R]2.86	[R]2.78
Pennsylvania	4.57	4.55	4.80	[R]4.61	[R]4.62	[R]4.32	[R]4.36	[R]4.13
Rhode Island	4.06	4.25	4.59	4.33	[R]3.77	[R]2.92	[R]2.49	[R]3.08
South Carolina	3.53	3.38	3.67	[R]3.72	[R]4.00	[R]4.31	[R]4.02	[R]3.27
South Dakota	3.38	3.25	3.30	[R]4.02	[R]3.72	[R]4.37	[R]4.65	[R]4.17
Tennessee	3.59	3.98	NA	[R]4.18	[R]4.81	[R]4.72	[R]4.47	[R]3.95
Texas	2.49	2.44	2.66	[R]2.82	[R]2.76	[R]3.54	[R]3.33	[R]2.69
Utah	3.05	3.19	3.06	[R]2.55	[R]3.02	[R]2.90	[R]2.73	[R]2.54
Vermont	2.94	3.01	3.06	3.07	3.11	3.12	2.97	3.00
Virginia	4.08	4.99	4.81	[R]4.68	[R]5.20	[R]4.73	[R]3.92	[R]4.32
Washington	NA	NA	NA	[R]3.16	[R]3.08	[R]3.38	[R]2.86	[R]2.69
West Virginia	2.79	2.75	2.81	[R]2.91	[R]2.87	[R]2.88	[R]2.97	2.93
Wisconsin	4.17	4.48	3.79	[R]4.13	4.53	5.05	[R]4.23	[R]3.62
Wyoming	NA	NA	3.29	[R]3.49	[R]3.65	[R]3.66	[R]3.42	[R]3.42
Total	3.41	3.52	3.68	[R]3.59	3.79	[R]4.07	[R]3.69	[R]3.25

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1997							
	August	July	June	May	April	March	February	January
Alabama	[R]3.38	[R]3.24	[R]3.37	[R]3.35	[R]3.14	[R]3.34	[R]4.11	[R]4.81
Alaska	1.56	1.56	1.48	1.44	1.53	1.55	1.57	1.55
Arizona	[R]3.13	[R]3.19	[R]3.94	[R]3.94	[R]4.35	[R]4.10	[R]3.77	[R]4.36
Arkansas	[R]3.40	[R]3.35	[R]3.40	[R]3.20	[R]3.22	[R]3.34	[R]3.81	[R]4.49
California	[R]3.43	[R]3.81	[R]4.05	[R]2.57	[R]3.51	[R]4.32	[R]5.27	[R]5.52
Colorado	[R]3.15	[R]3.02	[R]2.99	[R]3.18	[R]2.99	[R]3.16	[R]4.30	[R]5.37
Connecticut	[R]3.85	[R]3.92	[R]4.01	[R]4.21	[R]4.44	[R]4.89	[R]5.74	[R]6.09
Delaware	[R]4.14	[R]4.11	[R]4.06	[R]3.69	[R]3.65	[R]4.43	[R]5.12	[R]5.34
District of Columbia	—	—	—	—	—	—	—	—
Florida	[R]4.41	[R]4.11	[R]4.19	[R]4.13	[R]4.20	[R]4.20	[R]4.45	[R]4.46
Georgia	[R]4.04	[R]4.16	[R]5.30	[R]4.03	[R]3.79	[R]4.38	[R]4.86	[R]5.53
Hawaii	—	—	—	—	—	—	—	—
Idaho [a]	2.68	[R]3.28	2.52	2.73	2.75	2.75	2.76	2.78
Illinois	[R]3.78	[R]3.50	[R]2.67	[R]2.53	[R]3.46	[R]4.05	[R]4.95	[R]5.48
Indiana	[R]4.16	[R]4.12	[R]4.62	[R]4.74	[R]4.92	[R]4.65	[R]4.44	[R]4.42
Iowa	[R]3.51	[R]4.10	[R]3.36	[R]3.95	[R]3.13	[R]4.03	[R]4.72	[R]3.93
Kansas	[R]2.84	[R]2.75	[R]2.77	[R]3.18	[R]2.49	[R]2.62	[R]3.66	[R]4.83
Kentucky	[R]3.75	[R]3.78	[R]3.67	[R]3.61	[R]3.70	[R]3.85	[R]4.53	[R]4.66
Louisiana	[R]2.43	[R]2.69	[R]2.65	[R]2.34	[R]2.27	[R]2.04	[R]3.31	[R]4.15
Maine	4.43	4.40	4.45	4.10	5.77	7.08	7.10	6.95
Maryland	[R]3.07	[R]3.68	[R]3.20	[R]3.22	[R]13.80	[R]3.88	[R]1.12	[R]3.64
Massachusetts	[R]3.85	[R]4.00	[R]3.57	[R]5.01	[R]6.08	[R]6.81	[R]8.00	[R]7.19
Michigan	[R]4.35	[R]4.41	[R]4.23	[R]4.07	[R]3.95	[R]3.98	[R]3.86	[R]3.99
Minnesota	[R]2.77	[R]2.78	[R]2.75	[R]2.72	[R]2.60	2.74	[R]3.74	[R]4.70
Mississippi	[R]3.23	[R]3.15	[R]3.27	[R]3.12	[R]3.04	[R]2.98	[R]3.87	[R]4.53
Missouri	[R]4.03	[R]3.97	[R]3.95	[R]3.56	[R]3.84	[R]4.58	[R]6.06	[R]5.44
Montana	[R]4.90	[R]4.88	[R]4.80	[R]4.77	[R]4.76	[R]4.76	[R]4.72	[R]4.71
Nebraska	[R]3.48	[R]3.19	[R]3.11	[R]2.86	[R]2.74	[R]3.29	[R]4.26	[R]5.32
Nevada	[R]7.31	[R]6.98	[R]7.39	[R]7.66	[R]5.72	[R]4.60	[R]8.22	[R]9.36
New Hampshire	[R]3.43	[R]3.39	[R]3.59	[R]3.56	[R]3.99	[R]6.05	[R]7.90	[R]7.87
New Jersey	[R]2.11	[R]3.06	[R]3.27	[R]3.30	[R]2.88	[R]4.51	[R]5.01	[R]5.32
New Mexico	[R]2.91	[R]2.86	[R]3.87	[R]2.93	[R]7.28	[R]3.64	[R]4.09	[R]2.63
New York	[R]3.69	[R]3.82	[R]3.93	[R]4.27	[R]4.66	[R]5.42	[R]6.12	[R]6.74
North Carolina	[R]4.16	[R]3.95	[R]3.59	[R]3.96	[R]4.08	[R]4.73	[R]5.33	[R]5.55
North Dakota	[R]3.46	[R]2.97	[R]2.85	[R]2.29	[R]2.24	[R]1.51	[R]4.67	[R]4.15
Ohio	[R]4.65	[R]3.82	[R]5.79	[R]3.89	[R]5.15	[R]4.75	[R]5.80	[R]4.99
Oklahoma	[R]3.46	[R]3.44	[R]3.41	[R]2.83	[R]3.17	[R]4.02	[R]4.67	[R]5.57
Oregon	[R]2.69	[R]2.89	[R]2.88	[R]2.95	[R]3.03	[R]3.12	[R]3.22	[R]3.16
Pennsylvania	[R]4.04	[R]4.47	[R]4.58	[R]4.36	[R]4.61	[R]4.78	[R]5.11	[R]5.11
Rhode Island	[R]2.19	[R]2.13	[R]1.64	[R]1.94	[R]1.09	[R]1.62	[R]3.44	[R]4.20
South Carolina	[R]3.29	[R]3.44	[R]3.36	[R]3.30	[R]3.25	[R]3.47	[R]4.27	[R]4.79
South Dakota	[R]3.97	[R]4.50	[R]4.09	3.55	3.12	3.00	[R]4.01	[R]5.00
Tennessee	[R]3.51	[R]3.18	[R]3.77	[R]3.50	[R]3.53	[R]4.22	[R]4.88	[R]5.03
Texas	[R]2.32	[R]2.42	[R]2.49	[R]2.33	[R]2.05	[R]2.10	[R]3.21	[R]4.12
Utah	[R]2.73	[R]2.63	[R]2.21	[R]2.21	[R]2.25	[R]2.46	[R]2.46	[R]2.37
Vermont	2.96	2.97	3.01	3.05	2.98	3.10	3.14	3.32
Virginia	[R]4.32	[R]4.53	[R]4.18	[R]4.47	[R]2.15	[R]4.91	[R]6.99	[R]6.93
Washington	[R]2.71	[R]2.87	[R]2.90	[R]3.03	[R]2.83	[R]2.97	[R]3.69	[R]4.49
West Virginia	[R]2.82	2.91	2.72	2.81	2.49	[R]2.82	3.03	3.44
Wisconsin	[R]3.34	[R]3.32	[R]3.39	[R]3.00	[R]3.92	[R]3.54	[R]4.37	[R]5.00
Wyoming	[R]3.44	[R]3.48	[R]3.45	[R]3.34	[R]3.51	[R]3.51	[R]3.52	[R]3.51
Total	[R]2.90	[R]3.06	[R]3.10	[R]2.96	[R]3.02	[R]3.35	[R]4.20	4.65

[R] = Revised Data.
NA = Not Available.
— = Not Applicable.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries. In 1996, consumption of natural gas for agricultural use is classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet)

State	YTD 1998	YTD 1997	YTD 1996	1998				
				July	June	May	April	March
Alabama	2.58	2.60	2.87	2.63	2.49	2.62	2.69	2.55
Alaska	1.85	1.68	1.31	1.80	1.87	1.84	1.84	1.85
Arizona	2.62	2.93	3.13	2.41	2.79	3.20	2.82	3.07
Arkansas	2.40	2.41	2.56	2.49	2.33	2.33	2.56	2.36
California	2.85	3.03	2.57	2.92	2.70	2.94	2.71	2.85
Colorado	2.72	3.67	1.92	2.77	2.83	2.56	2.53	2.61
Connecticut	2.52	2.45	2.82	2.46	2.38	2.56	2.70	2.79
Delaware	2.98	3.04	3.64	3.47	3.27	1.34	1.41	4.15
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.39	2.34	3.20	2.27	2.31	2.31	2.68	2.64
Georgia	3.06	2.81	3.08	3.18	2.91	3.72	1.94	1.72
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.35	2.35	2.75	2.27	2.37	2.37	2.55	2.34
Indiana	2.95	2.98	3.41	2.80	2.95	2.98	3.37	3.25
Iowa	3.07	3.14	3.26	3.01	2.86	3.16	3.14	3.35
Kansas	2.26	2.20	2.21	2.28	2.14	2.20	2.40	2.36
Kentucky	3.56	3.19	3.54	2.86	3.68	3.59	5.25	4.04
Louisiana	2.53	2.64	3.06	2.59	2.40	2.52	2.66	2.51
Maine	—	—	—	—	—	—	—	—
Maryland	2.99	2.79	3.43	2.84	2.93	2.96	3.33	3.18
Massachusetts	2.98	2.92	3.58	2.62	2.24	2.86	3.66	3.64
Michigan	1.08	0.70	0.80	1.34	1.29	1.20	1.35	0.75
Minnesota	2.56	2.35	2.24	2.48	2.42	2.74	2.76	2.83
Mississippi	2.44	2.57	3.22	2.47	2.36	2.41	2.56	2.46
Missouri	2.40	2.51	2.58	2.39	2.41	2.31	2.56	2.52
Montana	5.00	3.69	6.54	2.47	2.59	5.34	1.40	12.33
Nebraska	2.48	2.26	1.93	2.62	2.37	2.40	1.98	2.72
Nevada	2.39	2.04	1.99	2.34	2.73	2.44	2.31	2.02
New Hampshire	—	2.72	—	—	—	—	—	—
New Jersey	2.85	2.88	3.13	2.92	2.73	2.77	3.05	2.88
New Mexico	2.33	2.54	2.08	2.32	2.20	2.33	2.41	2.39
New York	2.73	2.74	3.17	2.63	2.51	2.64	2.87	2.96
North Carolina	2.85	3.03	3.11	2.92	2.78	2.89	3.37	4.03
North Dakota	—	3.81	2.91	—	—	—	—	—
Ohio	3.09	3.37	3.37	2.98	2.79	3.06	4.01	4.14
Oklahoma	2.69	2.84	3.01	2.52	2.41	2.52	2.88	2.62
Oregon	1.30	1.58	1.25	1.46	1.31	1.50	1.36	1.23
Pennsylvania	3.16	2.73	3.46	3.18	2.32	5.37	5.94	2.69
Rhode Island	3.37	3.18	2.29	3.38	3.40	3.43	3.45	3.19
South Carolina	3.69	4.01	4.07	3.58	3.92	3.41	3.44	3.58
South Dakota	—	—	2.36	—	—	—	—	—
Tennessee	—	—	1.20	—	—	—	—	—
Texas	2.42	2.55	2.48	2.46	2.34	2.38	2.52	2.43
Utah	2.12	1.95	4.10	2.15	1.94	—	—	—
Vermont	2.94	3.05	3.17	3.09	2.81	3.03	3.08	2.81
Virginia	3.16	2.74	3.02	3.02	2.93	2.99	4.46	3.34
Washington	2.79	NA	5.90	—	—	—	5.59	3.86
West Virginia	4.53	4.03	3.56	6.31	2.62	3.58	—	—
Wisconsin	2.81	2.96	2.90	2.80	2.64	2.95	3.13	2.75
Wyoming	8.52	12.28	11.91	8.23	7.66	11.70	4.77	10.42
Total	2.50	2.60	2.70	2.50	2.40	2.46	2.59	2.54

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1998		1997					
	February	January	Total	December	November	October	September	August
Alabama	2.44	2.86	[R]2.86	2.90	3.70	3.75	2.88	2.56
Alaska	1.88	1.85	1.74	1.84	1.84	1.85	1.88	1.69
Arizona	2.56	2.84	2.99	2.86	4.00	3.11	3.37	2.63
Arkansas	2.16	2.25	[R]2.69	2.24	3.12	3.12	2.89	2.64
California	2.79	2.94	[R]3.08	2.96	3.64	3.40	3.14	[R]2.77
Colorado	2.65	3.01	[R]3.16	2.93	3.90	2.37	2.42	2.77
Connecticut	2.63	2.74	[R]2.47	2.74	3.38	2.76	2.37	2.35
Delaware	3.21	5.34	3.15	4.28	2.58	5.69	3.40	3.00
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.49	2.25	[R]2.51	[R]2.52	[R]3.29	[R]3.21	[R]3.03	[R]2.50
Georgia	2.88	2.35	[R]2.72	4.97	3.33	3.94	3.07	2.27
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.28	2.25	[R]2.55	2.48	3.31	3.13	2.82	2.39
Indiana	2.64	3.84	[R]3.23	3.67	4.03	5.25	3.67	3.39
Iowa	3.00	3.36	[R]3.41	2.99	4.16	3.81	3.28	3.12
Kansas	1.97	3.35	[R]2.53	3.33	3.02	[R]3.06	2.70	2.13
Kentucky	3.58	3.46	[R]3.45	3.47	4.24	4.00	3.25	2.92
Louisiana	2.47	2.61	[R]2.79	2.86	3.61	3.40	3.03	2.60
Maine	—	—	—	—	—	—	—	—
Maryland	3.32	3.75	2.97	3.61	4.10	3.91	3.42	2.89
Massachusetts	2.95	3.16	3.11	3.57	4.08	[R]4.10	3.21	2.87
Michigan	0.84	0.51	0.79	0.47	1.08	[R]1.58	0.73	0.58
Minnesota	2.62	2.63	[R]2.44	2.99	3.72	3.67	3.56	2.43
Mississippi	2.46	2.48	[R]2.72	2.80	3.51	3.35	3.02	2.61
Missouri	2.82	2.63	[R]2.81	2.77	3.52	3.35	2.94	2.51
Montana	8.49	4.61	NA	4.18	6.84	2.98	64.31	1.92
Nebraska	4.47	2.72	[R]2.86	4.94	4.29	3.21	2.98	2.49
Nevada	2.37	2.41	[R]2.18	2.16	2.80	2.64	2.39	2.02
New Hampshire	—	—	2.71	—	—	—	2.85	2.55
New Jersey	2.83	2.98	[R]3.06	3.20	4.19	4.23	3.42	2.87
New Mexico	2.30	2.43	2.64	2.55	3.02	3.05	2.82	2.47
New York	2.95	3.00	[R]2.88	3.38	3.83	[R]3.37	2.89	2.60
North Carolina	—	3.02	[R]3.22	3.60	4.95	3.68	3.38	3.09
North Dakota	—	—	[R]3.43	—	—	—	—	—
Ohio	3.16	3.32	[R]3.72	4.13	4.12	4.00	4.35	4.28
Oklahoma	2.72	4.47	2.97	2.89	4.05	3.46	3.20	[R]2.49
Oregon	1.03	1.14	[R]1.49	1.48	1.44	1.45	1.49	1.49
Pennsylvania	2.64	2.79	[R]3.02	3.16	3.69	3.65	2.99	2.81
Rhode Island	3.24	3.48	[R]3.35	3.78	4.05	4.02	3.32	3.04
South Carolina	3.53	4.05	[R]4.07	4.46	4.00	4.10	4.54	4.54
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.41	2.49	[R]2.69	2.74	3.33	3.15	2.85	2.50
Utah	—	—	[R]2.09	—	—	2.00	2.66	1.79
Vermont	2.77	3.02	[R]3.16	3.42	4.21	3.96	[R]3.23	2.90
Virginia	3.78	3.05	[R]2.93	2.54	4.09	4.73	3.77	2.95
Washington	4.11	1.64	NA	5.73	5.16	4.21	8.62	0.67
West Virginia	—	5.59	[R]3.35	3.31	3.00	3.29	3.41	3.71
Wisconsin	2.91	2.90	[R]3.17	2.92	4.11	3.94	3.09	2.85
Wyoming	8.72	5.39	NA	1.63	3.43	4.88	7.74	34.13
Total	2.51	2.64	[R]2.74	[R]2.77	[R]3.41	[R]3.24	[R]2.96	[R]2.53

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1996-1998

(Dollars per Thousand Cubic Feet) — Continued

State	1997							1996
	July	June	May	April	March	February	January	Total
Alabama	2.51	2.65	2.44	3.21	2.12	2.04	4.37	2.95
Alaska	1.87	1.79	1.64	1.63	1.55	1.69	1.68	1.45
Arizona	2.20	3.03	3.11	4.47	2.85	4.01	5.70	3.03
Arkansas	2.38	2.40	1.92	1.98	1.60	1.92	4.18	2.52
California	[R]2.68	[R]2.77	2.60	[R]2.66	3.04	4.14	[R]4.80	2.75
Colorado	4.07	2.31	6.20	2.47	2.26	3.32	3.76	2.09
Connecticut	2.33	2.26	2.22	2.22	2.45	3.08	3.97	2.76
Delaware	2.83	1.95	3.68	2.53	2.61	2.90	4.87	3.13
District of Columbia	—	—	—	—	—	—	—	—
Florida	[R]2.30	[R]2.33	[R]2.09	[R]2.26	[R]2.05	[R]2.13	[R]4.60	3.12
Georgia	2.75	3.13	2.64	2.64	3.34	8.15	2.08	2.88
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.31	2.37	2.29	2.12	2.00	[R]2.97	[R]3.41	2.62
Indiana	2.77	2.99	3.06	2.88	2.74	3.74	5.04	3.48
Iowa	2.70	3.28	2.89	2.79	2.73	3.74	5.11	3.23
Kansas	2.06	2.11	2.14	2.00	1.80	2.92	4.56	2.25
Kentucky	2.87	2.96	2.83	3.13	3.20	3.69	4.85	3.49
Louisiana	2.44	2.65	2.45	2.18	2.10	2.93	4.35	2.94
Maine	—	—	—	—	—	—	—	—
Maryland	2.35	2.69	2.98	3.14	4.18	5.75	5.04	3.11
Massachusetts	2.81	2.92	2.84	2.54	2.64	3.29	5.37	3.07
Michigan	0.96	[R]0.89	0.42	0.61	0.69	0.59	0.56	0.74
Minnesota	2.43	2.34	2.30	2.34	2.17	3.35	2.26	2.18
Mississippi	2.46	2.52	2.37	2.27	2.08	2.61	4.15	2.78
Missouri	2.39	2.44	2.74	2.77	2.26	4.62	5.41	2.58
Montana	1.37	9.35	13.57	2.87	4.08	9.68	3.54	2.89
Nebraska	2.32	2.00	1.89	1.89	2.29	3.20	3.22	2.07
Nevada	1.98	2.09	1.99	2.02	2.05	2.33	2.14	2.12
New Hampshire	2.74	2.72	2.68	—	—	—	—	—
New Jersey	2.80	2.85	2.76	2.69	2.57	3.60	4.65	2.96
New Mexico	2.46	2.38	2.39	2.07	2.01	2.85	4.07	2.31
New York	2.58	2.65	2.62	2.53	2.56	3.35	4.36	2.96
North Carolina	3.12	2.87	2.64	2.79	—	—	6.89	3.11
North Dakota	4.00	—	4.14	3.98	2.93	—	—	2.93
Ohio	3.10	3.20	4.13	4.06	4.03	4.16	[R]4.38	3.44
Oklahoma	2.37	2.63	2.91	2.57	[R]2.57	4.36	4.21	2.98
Oregon	1.35	1.57	—	—	1.40	—	1.96	1.33
Pennsylvania	2.54	3.04	2.57	2.31	[R]2.22	2.91	4.65	2.85
Rhode Island	2.98	3.21	3.09	2.82	2.90	4.09	3.18	2.29
South Carolina	4.35	3.51	3.84	3.87	2.84	4.22	6.95	4.56
South Dakota	—	—	—	—	—	—	—	2.36
Tennessee	—	—	—	—	—	—	—	2.61
Texas	2.39	2.46	2.34	2.14	2.12	[R]2.84	3.89	2.51
Utah	1.86	4.82	—	—	—	—	—	1.83
Vermont	2.95	[R]3.06	2.83	2.27	2.61	3.60	5.05	3.22
Virginia	2.58	2.93	3.05	2.71	2.76	1.80	3.13	2.98
Washington	4.83	3.83	7.21	5.93	NA	4.50	[R]5.08	4.98
West Virginia	3.79	3.23	3.22	3.63	3.82	7.68	3.15	2.99
Wisconsin	3.12	2.81	2.58	2.46	2.33	3.42	4.74	3.04
Wyoming	20.44	4.00	11.82	24.02	22.85	2.47	13.99	12.59
Total	[R]2.44	[R]2.52	[R]2.41	[R]2.30	[R]2.29	[R]2.97	[R]4.06	2.69

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.
[R] = Revised Data.
NA = Not Available.
— = Not Applicable.

Notes: Data for 1996 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998

State	YTD 1998		YTD 1997		YTD 1996		1998 August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	70.2	15.6	64.8	23.9	83.1	23.1	72.0	12.9
Alaska	57.7	NA	55.7	96.8	67.0	62.4	57.0	NA
Arizona	85.6	32.7	84.9	21.8	85.8	20.6	82.7	32.6
Arkansas	NA	9.2	94.7	10.8	95.4	13.0	46.1	8.7
California	47.9	10.8	52.2	9.5	56.4	10.5	24.6	8.2
Colorado	NA	NA	93.5	22.9	93.4	21.3	NA	NA
Connecticut	70.6	56.4	85.9	67.5	88.8	90.5	58.1	51.5
Delaware	100.0	22.3	100.0	32.3	100.0	40.8	100.0	11.3
District of Columbia	53.3	—	56.2	—	76.4	—	35.4	—
Florida	96.4	4.2	97.8	10.7	97.2	13.7	96.3	6.1
Georgia	84.6	13.4	89.5	26.6	95.2	33.1	68.9	7.0
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	87.6	2.5	87.2	2.1	87.7	1.4	83.1	3.5
Illinois	48.7	8.3	55.7	12.0	54.5	13.4	37.9	6.0
Indiana	NA	NA	87.9	15.7	96.8	17.3	NA	NA
Iowa	81.5	10.6	89.6	7.7	88.9	7.5	79.7	5.2
Kansas	70.4	8.3	71.3	9.6	70.5	7.4	59.9	10.4
Kentucky	86.8	14.0	90.0	19.8	91.3	30.1	78.9	11.6
Louisiana	NA	7.1	96.1	10.6	98.2	10.3	69.5	7.5
Maine	100.0	91.6	100.0	92.8	100.0	91.2	100.0	85.7
Maryland	48.0	NA	72.8	10.6	92.2	13.9	31.1	6.2
Massachusetts	59.2	NA	64.4	21.0	79.5	27.8	51.3	18.1
Michigan	59.2	6.9	65.0	9.7	68.0	9.6	35.9	3.8
Minnesota	94.8	39.9	98.9	40.0	97.1	41.0	98.1	36.9
Mississippi	NA	NA	95.4	39.2	97.6	41.6	NA	NA
Missouri	79.3	18.5	80.7	21.5	83.5	25.0	43.6	12.2
Montana	NA	3.0	91.9	3.2	92.0	3.4	73.4	1.2
Nebraska	76.1	16.5	76.5	26.6	72.3	20.6	81.5	10.4
Nevada	73.5	2.4	72.6	2.0	76.0	1.7	56.4	19.1
New Hampshire	NA	NA	93.4	52.8	97.8	56.5	NA	NA
New Jersey	56.8	47.5	59.4	47.5	75.5	56.7	50.0	33.4
New Mexico	61.2	12.5	73.7	27.5	63.0	2.3	45.9	15.1
New York	NA	NA	65.2	8.4	NA	10.6	NA	NA
North Carolina	90.3	26.5	93.6	40.4	97.9	65.8	83.8	21.3
North Dakota	84.1	26.9	90.6	20.8	88.8	17.8	67.7	18.9
Ohio	NA	NA	66.4	6.2	71.7	7.6	35.3	0.8
Oklahoma	75.6	3.8	84.0	5.0	85.4	6.8	56.4	1.8
Oregon	NA	NA	98.7	17.6	98.4	20.1	98.7	13.4
Pennsylvania	NA	13.7	65.1	14.4	74.4	19.3	NA	11.6
Rhode Island	NA	NA	84.5	18.4	97.3	18.0	100.0	34.2
South Carolina	98.0	86.6	98.7	86.4	99.4	85.8	96.8	88.1
South Dakota	83.7	32.0	84.9	22.7	84.3	27.9	74.8	17.1
Tennessee	NA	NA	92.2	39.2	95.6	50.3	63.0	21.3
Texas	57.2	14.1	61.4	18.5	83.9	21.0	34.2	14.7
Utah	82.4	8.3	83.3	8.7	81.9	8.9	71.6	8.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	71.9	12.9	78.6	9.9	87.0	18.2	50.8	13.2
Washington	NA	NA	90.1	24.6	86.3	25.6	NA	NA
West Virginia	NA	NA	56.7	12.2	56.2	14.7	25.6	NA
Wisconsin	71.0	19.6	83.3	28.0	92.4	38.8	38.1	12.3
Wyoming	NA	NA	81.6	2.5	93.2	3.4	93.1	NA
Total	65.9	14.5	72.0	18.2	79.1	20.0	46.4	13.6

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

State	1998							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	71.8	14.5	74.7	14.5	35.4	13.3	80.2	14.8
Alaska	56.0	96.5	53.6	100.0	55.9	100.0	57.4	100.0
Arizona	84.1	32.8	86.2	33.8	83.3	35.8	84.9	32.7
Arkansas	48.8	7.7	NA	9.0	88.7	9.0	89.5	9.1
California	31.4	9.5	52.9	11.2	48.3	11.7	52.7	10.9
Colorado	NA	NA	91.8	NA	95.0	1.0	95.8	0.8
Connecticut	62.4	57.1	61.2	52.9	76.3	55.7	62.3	61.9
Delaware	100.0	17.8	100.0	19.3	100.0	19.5	100.0	23.3
District of Columbia	40.4	—	41.9	—	47.7	—	52.5	—
Florida	96.0	4.2	96.6	4.3	96.7	3.5	96.8	4.5
Georgia	68.9	5.1	79.0	15.1	82.0	15.7	85.5	13.4
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	83.9	2.7	85.3	1.8	85.4	2.2	86.4	2.2
Illinois	35.4	4.9	45.8	5.2	34.8	6.8	44.3	9.1
Indiana	NA	NA	NA	4.2	76.7	6.2	NA	NA
Iowa	69.6	5.3	70.3	4.5	87.3	5.4	82.8	19.9
Kansas	58.8	13.4	54.2	10.7	68.5	8.1	69.5	5.6
Kentucky	76.4	15.2	82.6	13.8	84.2	14.7	85.7	14.7
Louisiana	69.7	6.9	NA	7.0	96.5	7.3	98.1	7.2
Maine	100.0	84.1	100.0	87.9	100.0	84.1	100.0	97.9
Maryland	29.0	2.5	33.3	NA	29.7	9.0	42.9	1.6
Massachusetts	48.4	16.8	46.3	NA	52.8	28.8	60.0	27.5
Michigan	38.1	4.4	40.8	4.8	42.2	5.9	58.3	9.6
Minnesota	97.2	34.8	98.2	40.7	98.5	35.1	96.1	38.9
Mississippi	NA	NA	NA	NA	NA	NA	NA	NA
Missouri	65.6	16.4	69.4	13.0	75.7	14.0	82.0	17.4
Montana	69.1	0.7	75.3	4.4	NA	1.2	79.4	2.2
Nebraska	65.6	5.7	66.3	13.5	74.0	14.8	71.5	21.3
Nevada	66.3	4.0	70.9	4.6	71.9	4.8	73.2	5.8
New Hampshire	89.1	34.9	NA	32.7	94.3	38.9	96.2	47.0
New Jersey	47.4	25.6	51.5	27.7	46.0	26.4	55.2	29.2
New Mexico	46.7	17.9	39.7	13.9	49.8	9.6	58.2	6.3
New York	NA	NA	NA	NA	NA	NA	58.1	10.1
North Carolina	83.3	26.4	82.5	24.3	86.7	26.9	90.6	31.2
North Dakota	80.8	22.9	82.1	24.3	79.2	15.4	80.0	25.3
Ohio	NA	NA	44.7	1.3	41.4	1.5	53.9	2.7
Oklahoma	55.4	2.1	63.6	2.2	70.4	2.9	75.0	4.9
Oregon	98.9	NA	98.9	14.9	98.8	15.0	NA	NA
Pennsylvania	51.4	12.3	54.9	12.7	59.4	13.2	NA	13.3
Rhode Island	48.5	31.2	53.3	33.4	NA	NA	NA	41.2
South Carolina	97.4	87.5	97.4	88.2	98.2	87.7	98.4	86.0
South Dakota	75.4	22.5	72.8	24.9	65.9	15.8	93.7	56.2
Tennessee	63.7	20.3	66.6	23.3	77.4	23.9	75.8	29.3
Texas	48.8	12.1	63.8	15.2	55.9	14.1	59.8	14.5
Utah	70.7	7.5	75.6	9.1	73.7	8.9	82.5	7.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	69.4	8.4	66.8	9.3	70.0	13.0	70.9	11.2
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	7.6	NA	NA	NA	29.0	NA	50.3	5.8
Wisconsin	45.1	12.6	52.4	15.5	53.8	15.1	72.9	19.3
Wyoming	NA	NA	NA	2.3	89.8	1.8	91.3	3.4
Total	51.2	12.6	60.0	14.0	60.3	13.9	67.0	15.0

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

State	1998						1997	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	77.8	17.4	80.1	17.8	76.7	19.4	R64.7	R24.6
Alaska	57.6	100.0	60.0	100.0	59.9	100.0	R54.5	97.8
Arizona	86.7	34.0	87.2	27.7	86.9	32.3	R84.6	R25.1
Arkansas	93.9	10.2	95.3	10.9	95.5	10.5	R94.2	R10.5
California	71.1	16.5	54.3	8.7	58.1	11.0	R50.7	R8.9
Colorado	96.0	1.2	95.2	1.2	95.4	2.5	R92.8	R23.6
Connecticut	71.2	59.4	78.2	57.8	78.4	61.0	R81.9	R66.4
Delaware	100.0	27.9	100.0	28.6	100.0	26.4	100.0	R31.0
District of Columbia	60.1	—	59.0	—	60.2	—	R54.9	R100.0
Florida	96.2	4.4	96.3	4.0	96.3	4.5	R97.5	R10.0
Georgia	87.5	17.2	90.3	16.7	88.7	16.5	R89.1	R26.7
Hawaii	100.0	—	100.0	—	100.0	—	100.0	R100.0
Idaho	88.1	2.0	88.7	3.0	90.0	2.5	86.1	R2.0
Illinois	55.3	10.6	50.4	9.8	53.7	10.7	R54.3	R11.5
Indiana	88.6	12.3	84.6	11.1	85.7	11.2	R89.8	R16.0
Iowa	72.1	22.8	88.7	7.1	87.4	7.4	R88.2	R8.6
Kansas	76.9	5.5	73.1	5.3	71.5	5.1	R70.7	R9.5
Kentucky	90.0	13.1	86.5	17.2	90.0	12.3	R90.0	R19.2
Louisiana	58.2	9.8	60.9	6.0	74.1	5.4	R95.9	R10.1
Maine	100.0	97.9	100.0	97.9	100.0	97.9	100.0	91.4
Maryland	50.9	5.1	54.7	3.7	65.6	0.7	R67.1	R7.4
Massachusetts	65.5	29.0	61.4	32.5	64.3	30.3	R62.6	R20.2
Michigan	64.3	12.1	65.2	12.6	69.5	13.5	R63.7	R9.0
Minnesota	96.2	48.8	93.3	37.4	91.9	45.0	R98.8	R40.4
Mississippi	NA	NA	94.8	38.5	NA	NA	R94.8	R39.6
Missouri	83.3	21.5	85.4	24.0	85.2	23.7	79.9	R21.8
Montana	83.1	3.5	83.1	4.3	88.3	4.7	R91.4	3.1
Nebraska	77.3	24.0	78.0	23.2	79.9	30.1	R74.2	R27.0
Nevada	75.9	7.1	79.8	15.3	77.3	7.2	R71.4	R1.8
New Hampshire	96.1	39.1	96.2	37.2	96.4	30.4	R92.4	R48.8
New Jersey	62.4	29.5	62.1	34.6	59.4	31.7	R56.2	R47.0
New Mexico	67.3	1.5	64.4	1.8	71.5	8.3	R74.6	R5.7
New York	NA	10.1	NA	NA	NA	NA	R64.7	R8.5
North Carolina	91.1	26.6	93.1	27.3	93.4	27.6	R94.4	R45.5
North Dakota	87.0	32.1	84.9	33.3	89.1	36.1	R88.9	R18.5
Ohio	60.1	3.2	60.2	4.7	60.5	4.5	R65.6	R5.7
Oklahoma	77.7	5.2	83.2	5.2	81.1	6.3	R81.8	R4.7
Oregon	NA	NA	99.2	15.3	99.3	19.7	98.5	R16.3
Pennsylvania	57.7	14.2	57.2	15.2	58.7	16.3	R63.6	R14.2
Rhode Island	64.7	49.9	71.6	38.5	64.5	39.7	80.5	R17.5
South Carolina	98.2	84.9	98.4	85.4	98.1	85.8	R98.8	R86.9
South Dakota	85.6	37.9	85.7	45.9	86.5	45.2	83.3	R24.1
Tennessee	93.1	28.1	87.8	25.5	NA	NA	R92.2	R38.3
Texas	61.3	15.2	71.6	15.5	68.3	12.3	R61.4	R17.3
Utah	81.2	8.6	89.1	8.5	85.7	7.8	R83.3	R8.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	73.4	19.2	76.7	14.6	74.4	18.7	R77.9	R13.0
Washington	NA	NA	NA	NA	NA	NA	R84.1	R23.5
West Virginia	51.9	6.2	55.5	14.9	56.0	6.3	R54.6	R12.2
Wisconsin	77.6	23.4	80.3	23.8	85.4	26.0	R82.1	R27.1
Wyoming	87.4	NA	80.3	NA	NA	1.5	R84.2	R2.5
Total	71.7	16.5	71.0	15.3	72.4	14.9	R70.8	R17.7

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

State	1997							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	[R]80.9	[R]27.9	[R]69.1	[R]26.4	[R]51.0	[R]24.5	[R]40.8	[R]24.3
Alaska	[R]54.2	100.0	[R]51.9	100.0	[R]52.2	100.0	[R]49.9	100.0
Arizona	85.2	[R]33.0	83.2	[R]31.2	81.1	[R]30.2	83.9	[R]29.5
Arkansas	[R]95.9	[R]10.4	[R]90.4	11.2	[R]92.6	[R]9.7	[R]91.3	[R]8.3
California	[R]52.9	[R]9.3	[R]49.4	[R]7.4	[R]41.9	6.1	[R]41.0	[R]8.6
Colorado	[R]93.0	[R]23.7	[R]89.8	[R]25.1	[R]86.9	[R]28.3	[R]90.2	[R]24.6
Connecticut	[R]77.0	[R]61.7	[R]71.1	[R]65.9	[R]68.6	[R]65.9	[R]75.0	[R]64.2
Delaware	100.0	[R]28.1	100.0	[R]28.0	100.0	[R]29.9	100.0	[R]27.7
District of Columbia	[R]55.9	[R]100.0	60.4	[R]100.0	44.5	[R]100.0	35.5	[R]100.0
Florida	[R]96.0	[R]8.4	[R]96.4	[R]8.1	[R]97.5	[R]8.8	[R]97.8	[R]8.9
Georgia	[R]91.6	[R]32.7	[R]88.6	[R]27.6	[R]85.6	[R]30.8	[R]82.9	[R]15.5
Hawaii	100.0	[R]100.0	100.0	[R]100.0	100.0	[R]100.0	100.0	[R]100.0
Idaho	86.6	2.0	83.2	[R]1.8	76.4	[R]1.5	82.5	1.7
Illinois	[R]52.1	[R]11.9	[R]52.5	[R]9.4	[R]50.4	[R]9.1	[R]47.7	[R]12.1
Indiana	[R]94.1	[R]15.4	[R]96.0	[R]22.6	[R]93.9	[R]16.1	[R]87.2	[R]10.3
Iowa	[R]89.3	[R]9.3	[R]85.0	[R]13.4	[R]80.1	[R]11.5	[R]77.9	[R]6.7
Kansas	[R]73.3	[R]7.5	[R]66.0	[R]9.9	[R]73.6	[R]9.9	[R]57.3	[R]10.9
Kentucky	[R]91.3	[R]17.6	[R]89.9	[R]18.7	[R]89.9	[R]19.5	[R]84.9	[R]16.3
Louisiana	[R]96.5	[R]7.9	[R]95.1	[R]9.3	[R]94.7	[R]9.9	[R]94.3	[R]9.0
Maine	100.0	[R]88.7	100.0	[R]91.4	100.0	[R]88.4	100.0	[R]86.7
Maryland	[R]52.7	[R]1.1	[R]64.7	[R]3.3	[R]51.8	[R]7.0	[R]48.6	[R]2.7
Massachusetts	[R]68.5	[R]19.2	[R]62.9	[R]21.0	[R]48.7	[R]16.8	[R]43.8	[R]16.6
Michigan	[R]65.6	11.8	[R]64.8	[R]9.5	[R]54.2	[R]4.0	[R]39.7	[R]2.7
Minnesota	[R]98.5	[R]40.9	99.1	[R]42.9	98.6	[R]38.7	97.7	[R]42.0
Mississippi	[R]95.0	[R]41.1	[R]94.0	[R]38.0	[R]91.2	[R]40.2	[R]91.0	[R]42.9
Missouri	[R]82.6	[R]23.3	78.3	[R]23.8	68.6	[R]19.7	[R]68.3	[R]22.6
Montana	[R]92.8	[R]3.7	[R]90.5	2.8	[R]88.1	2.3	[R]85.7	1.9
Nebraska	[R]77.2	[R]25.6	[R]72.3	[R]41.2	[R]50.0	[R]22.2	[R]63.2	[R]26.5
Nevada	[R]72.7	[R]2.1	67.9	[R]1.6	65.9	[R]1.2	[R]63.0	[R]1.1
New Hampshire	[R]93.9	32.4	89.1	34.2	85.7	44.2	[R]87.2	[R]49.6
New Jersey	[R]52.0	[R]49.0	[R]48.2	[R]48.3	[R]47.0	[R]42.8	[R]47.2	[R]43.6
New Mexico	[R]81.5	[R]7.8	[R]78.0	[R]6.8	[R]67.0	[R]4.6	[R]63.3	[R]7.0
New York	[R]67.8	[R]10.3	[R]65.7	[R]10.0	[R]59.3	[R]7.6	[R]56.2	[R]7.4
North Carolina	[R]95.7	[R]35.7	99.4	[R]81.7	98.2	[R]73.8	[R]86.9	[R]25.2
North Dakota	[R]84.4	[R]15.3	[R]90.5	[R]17.7	[R]83.2	[R]11.9	[R]72.5	[R]8.4
Ohio	[R]67.1	[R]7.3	[R]67.3	[R]6.1	[R]55.1	[R]2.7	[R]50.5	[R]2.2
Oklahoma	[R]81.8	5.4	[R]71.4	4.3	[R]76.9	3.1	[R]69.9	3.2
Oregon	98.4	16.0	98.4	14.5	97.5	14.1	98.0	[R]12.1
Pennsylvania	[R]63.9	[R]15.3	[R]63.8	[R]14.8	[R]50.1	[R]12.6	[R]57.8	12.1
Rhode Island	64.0	[R]11.4	80.7	[R]13.5	71.1	[R]21.1	68.7	[R]17.1
South Carolina	[R]98.0	[R]84.7	100.0	[R]89.1	99.9	[R]89.8	[R]98.8	[R]87.5
South Dakota	[R]86.0	34.2	84.0	[R]37.4	68.3	17.8	59.9	14.0
Tennessee	[R]92.9	[R]35.3	[R]95.0	[R]39.8	[R]89.9	[R]37.3	[R]85.3	[R]33.1
Texas	[R]68.3	[R]14.6	[R]63.7	[R]14.1	[R]55.0	[R]14.7	[R]52.9	[R]15.2
Utah	86.1	[R]8.2	83.1	[R]9.5	80.2	[R]8.9	74.8	[R]11.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	[R]71.3	[R]19.4	[R]90.2	[R]28.8	[R]71.2	[R]18.6	[R]70.8	[R]10.0
Washington	[R]93.4	[R]19.3	[R]54.5	[R]24.0	[R]90.6	[R]25.0	[R]78.9	[R]19.2
West Virginia	[R]58.9	[R]11.7	[R]53.4	[R]12.7	[R]38.7	[R]12.8	[R]32.7	[R]12.0
Wisconsin	[R]83.1	[R]26.6	[R]85.9	[R]27.6	[R]69.3	[R]24.3	[R]62.9	[R]21.3
Wyoming	[R]96.2	[R]2.7	[R]88.2	[R]1.8	[R]87.9	[R]2.7	[R]87.2	[R]3.1
Total	[R]72.8	[R]17.2	[R]70.4	[R]18.0	[R]62.9	[R]16.8	[R]59.5	[R]15.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

State	1997							
	August		July		June		May	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	[R]31.8	[R]24.7	[R]29.1	[R]25.5	[R]57.7	[R]23.1	[R]63.4	[R]23.9
Alaska	[R]45.0	92.8	[R]49.9	91.4	[R]50.4	99.0	[R]54.8	99.0
Arizona	78.7	[R]29.3	[R]79.8	[R]30.5	82.7	[R]18.2	86.1	[R]17.5
Arkansas	[R]91.8	[R]7.3	[R]90.3	[R]8.5	[R]91.1	[R]9.8	[R]91.8	[R]11.2
California	[R]41.7	[R]7.2	[R]45.8	[R]7.3	[R]48.7	[R]8.4	[R]50.3	[R]12.4
Colorado	[R]83.1	[R]23.6	[R]86.2	[R]33.3	[R]92.9	[R]25.7	[R]93.7	[R]24.1
Connecticut	[R]80.2	[R]60.8	[R]76.0	[R]62.2	[R]79.7	[R]62.5	[R]80.3	[R]64.4
Delaware	100.0	[R]28.4	100.0	[R]28.4	100.0	[R]29.1	100.0	[R]35.4
District of Columbia	38.8	[R]100.0	43.9	[R]100.0	46.7	[R]100.0	53.7	[R]100.0
Florida	[R]97.9	[R]9.3	[R]97.7	[R]9.5	[R]98.2	[R]10.6	[R]98.3	[R]9.8
Georgia	[R]81.9	[R]26.1	[R]81.0	[R]27.6	[R]84.3	[R]22.5	[R]85.4	[R]21.5
Hawaii	100.0	[R]100.0	100.0	[R]100.0	100.0	[R]100.0	100.0	[R]100.0
Idaho	82.9	1.4	83.2	[R]2.0	83.3	2.3	86.5	2.5
Illinois	[R]40.3	[R]6.2	[R]46.7	[R]4.0	[R]55.8	[R]17.0	[R]48.4	[R]15.9
Indiana	[R]86.8	[R]9.5	[R]85.4	[R]11.0	[R]59.4	[R]11.3	[R]58.0	[R]11.7
Iowa	[R]85.1	[R]6.7	[R]75.8	[R]6.1	[R]92.7	[R]5.8	[R]83.8	[R]6.1
Kansas	[R]52.2	[R]11.9	[R]54.0	[R]9.2	[R]65.4	[R]8.2	[R]67.1	[R]9.4
Kentucky	[R]80.3	[R]14.4	[R]84.0	[R]15.4	[R]88.6	[R]16.8	[R]86.3	[R]19.4
Louisiana	[R]95.1	[R]9.9	[R]95.2	[R]9.9	[R]95.2	[R]10.4	[R]95.3	[R]11.2
Maine	100.0	[R]87.6	100.0	100.0	100.0	[R]87.4	100.0	[R]90.3
Maryland	[R]50.4	[R]6.4	[R]51.6	[R]4.4	[R]56.1	[R]8.6	[R]62.0	[R]15.9
Massachusetts	[R]41.3	[R]13.6	[R]46.0	[R]14.4	[R]48.5	[R]21.6	[R]69.9	[R]19.3
Michigan	[R]40.7	[R]3.4	[R]55.7	[R]3.7	[R]45.7	[R]5.1	[R]58.6	[R]7.7
Minnesota	[R]98.2	[R]34.8	98.4	[R]36.2	[R]98.7	[R]37.9	[R]98.9	[R]39.5
Mississippi	[R]93.6	[R]38.6	[R]96.1	[R]35.0	[R]92.5	[R]38.2	[R]92.5	[R]43.3
Missouri	[R]68.4	[R]17.0	[R]68.3	[R]18.4	[R]71.3	[R]19.0	76.9	[R]24.2
Montana	[R]87.5	[R]1.9	[R]90.5	1.7	[R]88.8	2.2	[R]90.3	2.1
Nebraska	[R]69.2	[R]18.6	[R]67.6	[R]41.2	[R]68.6	[R]20.6	[R]67.0	[R]25.8
Nevada	[R]63.2	[R]1.6	[R]73.3	[R]1.8	61.0	[R]1.8	[R]64.8	[R]1.8
New Hampshire	88.1	[R]47.0	87.0	[R]50.6	90.7	[R]53.3	91.6	[R]58.5
New Jersey	[R]47.8	[R]57.0	[R]44.8	[R]42.1	[R]50.1	[R]41.4	[R]45.7	[R]43.3
New Mexico	[R]63.7	[R]8.8	[R]63.9	[R]8.9	[R]54.0	[R]3.9	[R]68.1	[R]5.3
New York	[R]54.7	[R]7.7	[R]53.3	[R]6.0	[R]53.6	[R]5.8	[R]59.1	[R]7.0
North Carolina	[R]85.0	[R]21.1	[R]85.2	[R]24.3	[R]97.6	[R]46.3	[R]89.4	[R]26.5
North Dakota	[R]65.5	[R]12.6	[R]81.5	[R]13.9	[R]79.1	[R]11.0	[R]88.1	[R]18.2
Ohio	[R]49.3	[R]2.9	[R]47.5	[R]2.9	[R]50.2	[R]2.8	[R]58.9	[R]4.6
Oklahoma	[R]68.1	3.0	[R]74.1	[R]3.9	[R]75.5	2.1	[R]80.6	[R]4.2
Oregon	98.3	[R]11.4	98.3	[R]13.3	98.1	[R]16.7	98.5	17.3
Pennsylvania	[R]58.4	[R]12.4	[R]55.8	[R]10.9	[R]56.4	13.1	[R]50.1	[R]13.2
Rhode Island	67.9	[R]20.7	71.1	[R]15.2	72.4	[R]18.6	80.8	[R]18.8
South Carolina	[R]97.0	[R]85.3	99.9	[R]91.1	[R]100.0	[R]90.0	100.0	[R]89.3
South Dakota	72.1	[R]12.6	78.3	12.0	83.7	[R]11.4	80.7	17.3
Tennessee	[R]84.9	[R]29.4	[R]85.2	[R]35.1	[R]81.6	[R]38.7	[R]90.5	[R]50.5
Texas	[R]51.7	[R]15.4	[R]51.2	[R]15.0	[R]55.0	[R]20.4	[R]55.8	[R]19.2
Utah	71.7	[R]7.7	72.8	[R]8.0	77.0	[R]9.1	78.8	[R]8.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	[R]65.3	[R]6.4	[R]63.6	[R]7.0	[R]66.2	[R]10.3	[R]75.1	[R]8.8
Washington	[R]87.7	[R]17.8	[R]86.2	[R]21.7	[R]87.0	[R]26.2	[R]87.7	[R]21.6
West Virginia	[R]25.2	[R]11.6	[R]26.8	[R]12.1	[R]31.9	[R]11.5	[R]47.2	[R]11.6
Wisconsin	[R]55.4	[R]19.6	[R]67.9	[R]18.8	[R]60.6	[R]18.4	[R]77.4	[R]26.1
Wyoming	[R]84.9	[R]2.7	[R]43.9	[R]2.8	[R]67.8	[R]2.5	[R]87.1	[R]2.4
Total	[R]57.9	[R]15.6	[R]59.5	[R]15.3	[R]61.7	[R]17.4	[R]65.5	[R]18.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1996-1998 — Continued

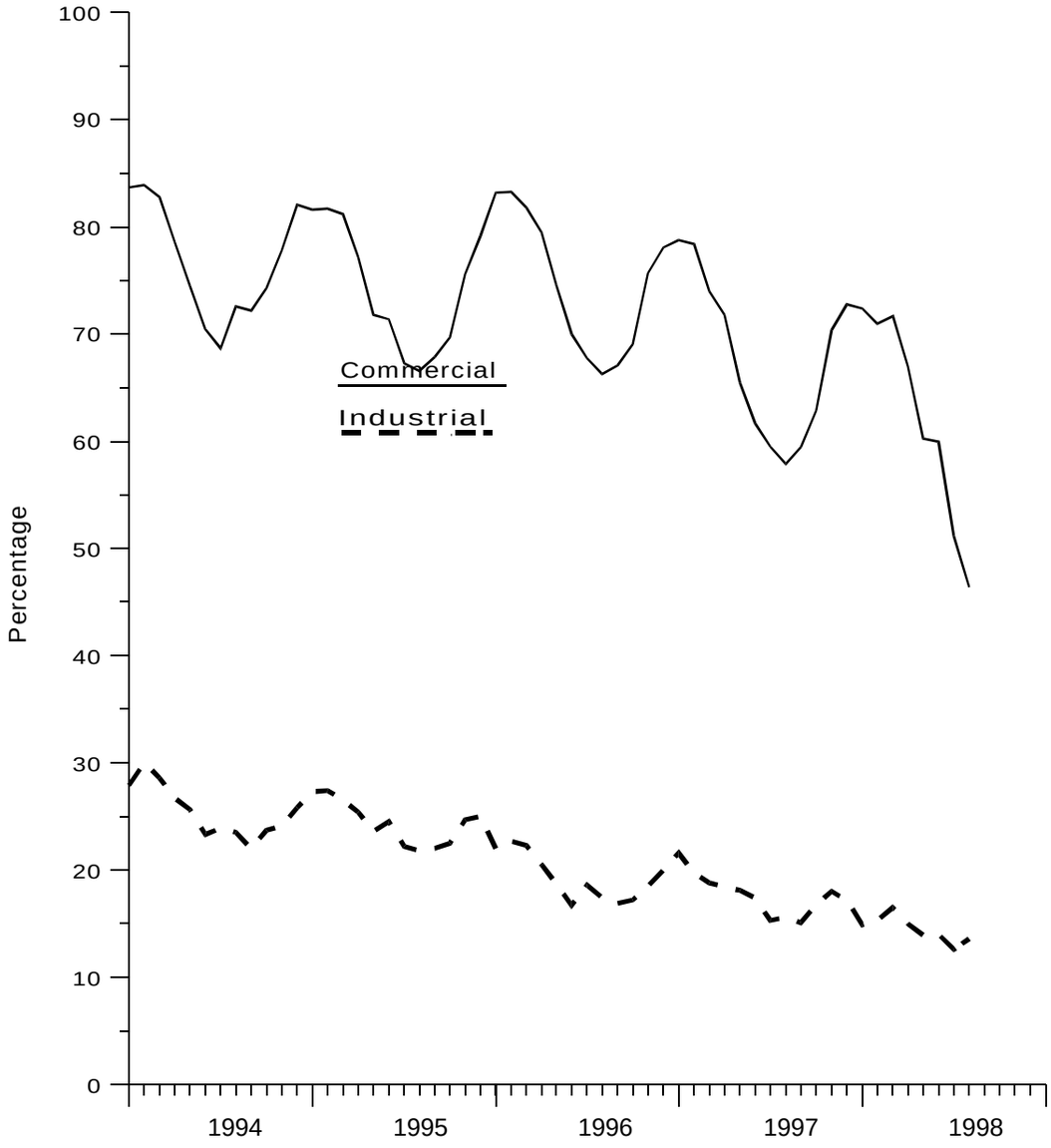
State	1997							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	R66.9	R22.8	R81.7	R23.3	R84.5	R25.3	R82.9	R23.2
Alaska	R57.1	R98.7	R57.7	98.6	R59.0	97.9	R60.3	97.1
Arizona	R83.9	R19.6	86.5	R19.5	R87.9	R21.9	87.4	R17.6
Arkansas	R93.8	R10.8	R95.2	R11.9	R96.7	R13.5	R96.3	R12.8
California	R52.8	R10.0	R54.8	R10.3	R59.6	R10.9	R57.7	R10.5
Colorado	R93.9	R28.5	R94.4	17.9	R95.4	R16.0	R94.6	R18.4
Connecticut	R87.2	R67.1	R87.1	R67.0	90.2	R77.9	R90.2	R75.0
Delaware	100.0	R36.8	100.0	R33.7	100.0	R35.0	100.0	R29.9
District of Columbia	48.4	R100.0	59.9	R100.0	62.8	R100.0	67.9	R100.0
Florida	R98.3	R10.7	R97.7	R10.3	R97.4	R12.5	R97.1	R13.0
Georgia	R88.5	R25.5	R90.0	R24.9	R93.5	R32.7	R94.3	R31.2
Hawaii	100.0	R100.0	100.0	R100.0	100.0	R100.0	100.0	R100.0
Idaho	86.1	2.1	87.8	2.1	89.7	2.2	87.8	1.9
Illinois	R54.1	R9.8	R55.4	R11.9	R55.3	R11.3	R62.9	R16.9
Indiana	R91.1	R12.9	R93.4	R15.4	R96.7	R23.5	R97.0	R24.0
Iowa	R93.5	R8.1	R89.0	R8.3	R90.7	R8.1	R91.1	R10.8
Kansas	R72.6	R9.4	R67.1	R9.5	R72.1	R10.6	R89.4	R9.3
Kentucky	R89.0	R18.5	R90.3	R19.1	R91.5	R23.6	R92.5	R26.7
Louisiana	R95.5	R9.5	R96.6	R10.4	R97.1	R11.3	R96.6	R12.1
Maine	100.0	R90.5	100.0	R91.0	100.0	100.0	100.0	100.0
Maryland	R71.5	R2.2	R77.6	R21.7	R81.9	R18.6	R83.9	R3.7
Massachusetts	R74.1	R25.0	R72.8	R21.8	R69.0	R25.0	R68.0	R25.0
Michigan	R66.2	R10.3	R67.3	R12.5	R70.2	R14.3	R70.0	14.0
Minnesota	R98.9	R42.2	R98.9	R43.2	R98.9	R45.9	R99.2	R38.1
Mississippi	R93.2	R38.1	R96.3	R39.2	R96.7	R40.3	R97.3	R41.1
Missouri	80.7	R17.0	R83.8	R26.5	R80.0	R19.9	R86.4	R28.7
Montana	R91.2	4.5	R92.0	R4.0	R93.1	R4.0	R93.4	R4.2
Nebraska	R77.5	R21.8	R74.2	R25.4	R91.9	R31.8	R82.4	R33.7
Nevada	R69.3	R2.1	78.1	R2.1	R79.8	R2.5	R77.3	R2.2
New Hampshire	92.0	R61.7	94.0	R53.1	R96.2	R48.5	R94.6	R43.9
New Jersey	R55.9	R49.6	R58.4	R45.7	R89.2	R44.0	R60.9	R53.9
New Mexico	R66.9	R1.4	R77.3	R1.9	R79.0	R1.0	R80.3	R9.4
New York	R67.8	R8.5	R69.3	R9.5	R72.2	R10.1	R74.3	R11.2
North Carolina	R88.0	R26.5	R91.9	R35.1	R96.0	R45.0	100.0	R91.9
North Dakota	R91.7	R16.5	R91.2	R35.5	R93.8	R27.0	R93.2	R22.8
Ohio	R65.7	R4.7	R70.1	R7.9	R69.3	R8.1	R73.2	R11.9
Oklahoma	R82.8	R3.8	R84.9	R6.0	R87.9	R8.8	R88.8	7.4
Oregon	98.5	R20.4	98.8	21.0	98.9	22.5	98.8	19.0
Pennsylvania	R66.2	14.1	R65.8	R15.5	R71.2	R15.0	R70.7	18.9
Rhode Island	88.5	R23.9	82.2	R22.9	91.7	R14.9	89.6	R11.7
South Carolina	R96.0	R81.4	R97.8	R83.6	R98.3	R81.8	100.0	R89.2
South Dakota	85.7	22.6	86.3	26.7	85.7	30.4	86.9	31.4
Tennessee	R92.6	R39.4	R92.8	R34.4	R94.4	R40.3	R95.7	R48.0
Texas	R58.2	R21.3	R62.7	R18.1	R70.0	R18.2	R72.9	R20.6
Utah	R83.7	R9.0	83.0	R6.5	R87.1	R10.5	86.2	R9.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	R75.3	R16.2	R79.4	R17.5	R83.7	R8.4	R89.0	R10.6
Washington	R89.3	R27.6	R91.3	R28.0	R91.7	R27.6	R92.4	R27.4
West Virginia	R52.9	R7.3	R62.3	R20.4	R69.7	R15.1	R69.8	R14.6
Wisconsin	R83.3	R24.4	R88.5	R32.7	R88.2	R34.6	R89.7	R36.4
Wyoming	R76.0	R2.6	R84.6	R2.5	R89.9	R2.5	R91.6	R2.1
Total	R71.8	R18.4	R74.0	R18.8	R78.4	R19.7	R78.8	R21.6

R = Revised Data.
NA = Not Available.
— = Not Applicable.

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

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1994-1998



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

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 evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported on Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the *Short-Term Energy Outlook*.

For production, total supply and disposition, and storage data (Tables l, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production—carbon dioxide, helium, hydrogen sulfide, and nitrogen—are reported by State agencies on the voluntary Form EIA-895. For 1995, of the 33 producing States, 22 reported data on nonhydrocarbon gases removed. The 22 States accounted for 60 percent of total 1995 gross withdrawals. Of the 22 States reporting nonhydrocarbon gases removed, 11 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Maryland, Missouri, Nevada, New York, South Dakota, and Virginia. The ten States reporting volumes greater than zero are Alabama, California, Florida, Kentucky, Mississippi, Nebraska, New Mexico, North Dakota, Texas, and Wyoming. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Seven States report monthly data on nonhydrocarbon gases removed: Alabama, Arizona, Mississippi, New Mexico, North Dakota, Oregon and Texas. Monthly data for California, Colorado, Florida, and Wyoming are estimated based on annual data reported on Form EIA-895. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* 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.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual.* 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 ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for non-hydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for non-hydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data for 1993, 1994, and 1995 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the Office of Fossil Enery, U.S. Department of Energy, *Natural Gas Imports and Exports*, which requires data to be reported each quarter by month for the calendar year.

Pr*eliminary Monthly Data - Imports*

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual.*

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual.* Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual.* 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.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

For the reporting of monthly data, the customer category will not be changed until 1998. In 1996, the monthly data reported under the old classification were adjusted to the annual data reported under the new classification. Monthly 1997 data will be adjusted in the same way as the 1996 data.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated 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 total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual.* 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 total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

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.

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual.* Final monthly plant fuel data are based on a revised annual ratio of lease and 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 on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." For a fuller discussion, see the *Natural Gas Annual.*

Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual.* Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual.*

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data for 1991 through 1995 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

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.

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

A preliminary estimate of the U.S. gas price is made each month based on the change in the production-weighted gas price from five States: Kansas, Mississippi, New Mexico, Oklahoma, and Texas. Gas prices for these five States are used because both their gas production and value represent a substantial sample of the U.S. gas production and value (roughly 50 percent), and their prices are readily available and provide a consistent series. The latest preliminary U.S. gas price estimate is calculated by multiplying the preliminary U.S. gas price estimate for the prior month by the ratio of the five States' gas price for the latest month to that of the prior month. This estimate replaces the initial gas price estimate.

Final Monthly Data

Preliminary monthly gas price data for Kansas, Mississippi, New Mexico, Oklahoma, and Texas are replaced by final monthly data that are adjusted to match the annual prices published in the *Natural Gas Annual* for each State. A revised set of the monthly U.S. gas price estimates are derived based on the monthly change in the production-weighted prices for these five States and adjusted to match the U.S. gas price published in the Natural Gas Annual.

Note 9. 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 quantities lost or to the effects of data reporting problems.

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.

Annual Data

Annual data are from the *Natural Gas Annual.* For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual.*

Preliminary Monthly Data

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 supply / disposition.

Note 10. Heating Degree-Days

Heating 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 data bases maintained by the National Oceanic and Atmpospheric Administration. The information published in the Natural Gas Monthly 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 arond the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home cutomers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and four monthly surveys.

The annual reports are the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines, and the Form EIA-627, a voluntary survey completed by energy or conservation agencies in the gas-producing States.

The monthly reports include two surveys of the natural gas industry and two surveys of the electric utility industry. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

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

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further categorized as nonutility power producers or as those excluding nonutility power producers.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

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, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 1996 for report year 1995 totaled 1,991 questionnaire packages. To this original mailing, 11 names were added and 61 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,941 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents followup, 1,911 responses were entered into the data base, and there were 30 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multiline 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 April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on 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.

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

Other EIA Publications Referencing Form EIA-176

Data from Form EIA-176 are also published in the *Natural Gas Annual.*

Form EIA-895, "Monthly Quantity of Natural Gas Report"

Survey Design

In 1996, an annual schedule was added to the Form EIA-895 to replace the Form EIA-627. Data collection on the Form EIA-895 began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." In 1994, the IOGCC decided to discontinue collection of their form. All gas producing States are requested to report on the Form EIA-895; a voluntary report. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Beginning with 1980, natural gas production data previously obtained on an informal basis from State conservation agencies were collected on Form EIA-627. This form was designed by EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. The form was redesigned in 1990 to collect monthly breakdowns of all annual data elements. Data are not considered proprietary. It was also designed to avoid duplication of effort in collecting production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month was added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period. Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Summary of Data Requirements

The Form EIA-895 monthly schedule consists of nine questions on one page, and requires volumetric information on gross production (gas and oil wells individually), gas used for repressuring, gas vented and flared, nonhydrocarbon gases removed, natural gas used as fuel on leases, marketed production, value based marketed production and the value in dollar amount of the marketed production.

Form EIA-895 annual schedule collects data on the monthly and annual production volume 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 leases; marketed production; the value of marketed production; and the number of producing gas wells.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual.*

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

Survey Design

The Form EIA-191, "Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 are a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/ FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.
At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 103 companies that operate underground facilities will file the Form EIA-191. Of these companies, 42 are subject to the jurisdiction of FERC and are required to report data on Form EIA-191.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's 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. Prior month's data are required only when data are revised. Information on co-owners of storage fields has been eliminated. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first 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 reflected in the prior month section of the monthly form. 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.

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to refile reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

"Quarterly Natural Gas Import and Export Sales and Price Report"

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural

Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are 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.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail. Data reported on the Form FPC-14 represented physical movements of natural gas. Data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the data from the two sources may show differences because reporting requirements were different.

Prior to 1995, the Form FPC-14 was filed annually by each organization or individual having authority to import and export natural gas regardless of whether any activity took place during the reporting year. Authorizations to import and export was originally granted by the FPC. In 1977, the authority to grant authorizations transferred to the Economic Regulatory Administration (ERA). It now resides with the Office of Fossil Energy, U.S. Department of Energy.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

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

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of 382 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 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month’s processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company’s submission is eventually received, the submitted data are used for future processing and revisions.
The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that 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. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,” and the Form EIA-759, “Monthly Power Plant Report.”) See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms 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 to the nearest whole dollar.

Routine Form EIA-857 Edit Checks

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) 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." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as 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 electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 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. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata--companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 387 respondent companies. Unlike previous years, no mergers or acquisitions were uncovered as a result of the initial mail-out. Therefore there was no need for either substitution of respondent companies or a reduction in the total number of respondents.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors--the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value ($C_{.j}$) were included in the certainty stratum. The formula for $C_{.j}$ was:

$$C_{.j} = \frac{X_{.j}}{2n} \qquad (1)$$

where:

$C_{.j}$ = cutoff value for consumer sector j,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j,

$X_{i.}$ = the sum within State of annual gas volumes for company i,

$X_{.j}$ = the sum within State of annual gas volumes in consumer sector j,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors ($X_{i.}$). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n\frac{X2}{X_{..}} \qquad (2)$$

where:
m = the sample size for the noncertainty stratum within a State,
X2 = the sum within State of the $X_{i.}$ for all companies in the noncertainty stratum.
Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using ($I = \frac{X2}{m}$). A uniform random number R was selected between zero and I. The first sampled company was the first company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than R + I. R + I was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.
Subgroups. In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X2 was the sum within State of the $X_{i.}$ for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies handling only industrial gas and all other companies.

Iowa: companies handling industrial gas and companies delivering only to residential or commercial customers.
Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector—residential, commercial, and industrial—in each State where companies are sampled.
The following annual data are taken from the most recent 1995 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_{.j}}{Y'_{.j}} \qquad (3)$$

where:

$Y_{.j}$ = the sum within State of annual gas volumes in consumer sector j for all companies,
$Y'_{.j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.
The ratio estimator is applied as follows:

$$V_j = y_{.j} \times E_{vj} \qquad (4)$$

where:

V_j = the State estimate of monthly gas volumes in consumer sector j,
$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector j.

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.
The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V'_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j,

R_j = the reported revenue from natural gas sales within the State in consumer sector j,

V_j = the reported volume of natural gas sales within the State in consumer sector j.

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.
The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.
Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

$$F_t = F_{t-1} \times \frac{y_{.jt}}{y_{.j}t-1} \qquad (5)$$

where:

F_t = imputed gas volume for current month t,

F_{t-1} = gas volume for the company for the previous month,

$y_{.jt}$ = gas volume reported by companies in the State stratum for report month t,

$y_{.j}t-1$ = gas volume in the previous month for companies in the State stratum that reported in month t.

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*, 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* 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 *Natural Gas Monthly*, 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:

$$V^{*}_{jm} = V_{jm} + \left[(V_{ja} - V'_{jm})\left(\frac{V_{jm}}{V'_{jm}}\right) \right] \qquad (6)$$

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:

$$R^{*}_{jm} = R_{jm} + \left[(R_{ja} - R'_{jm})\left(\frac{R_{jm}}{R'_{jm}}\right) \right] \qquad (7)$$

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 Utilities. Revisions to monthly electric utilities data 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. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{Y}) = \sum_{h=1}^{H} \left[N_h^2 \frac{\left(1 - \frac{n_h}{N_h}\right)}{n_h (n_h - 1)} \left(\sum_{i=1} (y_i - T x_i)^2 \right) \right] \qquad (8)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h
n_h = the sample size in stratum h
y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, August 1998

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	149	83	3,354	3,358	0.59	0.28	1.36
Alaska	0	0	NA	NA	—	—	NA
Arizona	9	97	0	98	0.24	0.06	—
Arkansas	0	0	0	0	—	—	—
California	195	563	4,421	4,461	0.06	0.06	0.24
Colorado	NA	NA	NA	NA	NA	NA	NA
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	137	205	1,360	1,383	0.74	1.05	0.23
Georgia	68	127	2,741	2,745	0.58	0.67	0.96
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	628	782	2,094	2,322	0.67	1.57	0.32
Indiana	NA	NA	NA	NA	NA	NA	NA
Iowa	23	429	165	460	0.66	0.36	0.26
Kansas	2,357	3,893	45,607	45,833	3.25	4.39	6.81
Kentucky	532	682	509	1,004	4.83	4.71	3.00
Louisiana	66	101	1,742	1,746	0.24	0.29	0.02
Maine	0	0	0	0	—	—	—
Maryland	2	11	83	84	0.01	0.03	0.32
Massachusetts	22	61	1,114	1,116	0.12	0.14	0.43
Michigan	0	0	0	0	—	—	—
Minnesota	166	106	1,761	1,772	0.15	0.08	0.24
Mississippi	NA	NA	NA	NA	NA	NA	NA
Missouri	93	863	753	1,149	0.47	0.30	2.07
Montana	29	47	0	55	0.43	0.97	—
Nebraska	9	10	402	402	0.39	0.16	0.16
Nevada	0	0	0	0	—	—	—
New Hampshire	NA	NA	NA	NA	NA	NA	NA
New Jersey	0	0	0	0	—	—	—
New Mexico	25	72	663	667	0.74	1.33	—
New York	NA	NA	NA	NA	NA	NA	NA
North Carolina	57	98	282	304	0.01	0.02	0.07
North Dakota	0	0	0	0	—	—	—
Ohio	398	111	1,027	1,107	0.43	0.31	2.96
Oklahoma	187	319	138	394	0.69	0.10	0.92
Oregon	0	0	0	0	—	—	—
Pennsylvania	NA	NA	983	NA	NA	NA	0.15
Rhode Island	0	0	0	0	—	—	—
South Carolina	90	122	322	356	1.44	0.34	0.35
South Dakota	0	0	0	0	—	—	—
Tennessee	318	985	2,045	2,292	2.77	3.74	1.80
Texas	67	1,558	7,587	7,746	0.05	0.31	0.22
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	127	115	558	584	0.73	0.40	0.32
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	665	NA	NA	NA	11.30	NA
Wisconsin	1,911	5,291	4,825	7,411	0.60	0.40	0.36
Wyoming	8	45	NA	NA	0.14	0.50	NA
Total	3,306	7,269	47,295	47,964	0.21	0.22	0.39

NA = Not Available.
— = Not Applicable.
Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Natural Gas Reports and Feature Articles

Reports Dealing Principally with Natural Gas and/or Natural Gas Liquids

- *Natural Gas Annual 1995*, DOE/EIA-0131(95), November 1996.
- *Natural Gas Annual 1993 Supplement: Company Profiles*, DOE/EIA-0131(93/S), February 1995.
- *Natural Gas 1996 Issues and Trends*, DOE 0560(96), December 1996.

Other Reports Covering Natural Gas, Natural Gas Liquids, and Other Energy Sources

- *Monthly Energy Review*, DOE/EIA-0035. Published monthly. Provides national aggregate data for natural gas, natural gas liquids, and other energy sources.
- *Short-Term Energy Outlook*, DOE/EIA-0202. Published quarterly. Provides forecasts for next six quarters for natural gas and other energy sources.
- *Natural Gas 1995: Issues and Trends*, DOE/EIA-0560(95), November 1995.
- *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves - 1995 Annual Report*, DOE/EIA-0216(95)/Advance Summary, October 1996.
- *Annual Energy Review 1995*, DOE/ EIA-0384(95), July 1996. Published annually.
- *Annual Report to Congress 1995 DOE/ EIA-01733(95), July 1996. Published annually*.
- *Annual Energy Outlook 1996*, DOE/ EIA-0383(96), January 1996. Published annually.

Selected One-Time Natural Gas and Related Reports

- *The Value of Underground Storage in Today's Natural Gas Industry*, DOE/EIA-0591, March 1995.
- *Natural Gas Productive Capacity for the Lower 48 States, 1980 through 1995*, DOE/EIA-0542(95), July 1994.
- *Largest U.S. Oil and Gas Fields*, DOE/EIA-TR-0567, August 1993.
- *Energy Policy Act Transportation Rate Study*, DOE/EIA-0571, October 1993.
- *Energy Policy Act Transportation Study: Interim Report of Natural Gas Flows and Rates*, DOE/EIA-0602, October 1995.

Selected and Recurring Natural Gas and Related Data Reference Reports

- *Directory of Energy Data Collection Forms*, DOE/EIA-0249(95), January 1996.
- *Oil and Gas Field Code Master List, 1995*, EIA-0370(95), December 1996.

Feature Articles

June 1996

Natural Gas Industry Restructuring and Data Collection

(Discusses how restructuring of the natural gas industry has impacted the natural gas data collection efforts.)

July 1996

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

November 1996

U.S. Natural Gas Imports and Exports - 1995

(Contains final 1995 data on all U.S. imports and exports of natural gas.)

December 1996

Crosswell Seismology -- A View from Aside

(Discusses crosswell seismology and its geologic and economic implications for the domestic oil and gas industry.)

May 1997

Restructuring Energy Industries: Lessons from Natural Gas

(Compares and contrasts the natural gas and electric power industries.)

July 1997

Intricate Puzzle of Oil and Gas "Reserves Growth"

(Discusses the factors that affect ultimate recovery estimates of a field or reservoir.)

August 1997

Natural gas Residential Pricing Developments During the 1996-97 Winter

(Discusses key factors that affect pricing patterns, highlights the effects of weather, utilization patterns of natural gas storage, and pricing mechanisms used in natural gas markets.)

December 1997

Recent Trends in Natural Gas Spot Prices

(Focuses primarily on conditions and developments in the East Consuming Region and their connection to prices at the Henry Hub in the Producing Region.)

March 1998

EIA Corrects Errors in EIA's Drilling Activity Estimates Series

(Discusses and corrects errors in EIA's monthly and annual estimates of oil and gas drilling activity.)

Special Focuses

January 1997

Natural Gas Productive Capacity

(Analyzes monthly natural gas wellhead productive capacity in the lower 48 States from 1985 and 1996 and project this capacity for 1996 and 1997.)

Outlook for Natural Gas Through 2015

(Presents an outlook for natural gas through 2015.)

August 1997

Worldwide Natural Gas Supply and Demand And the Outlook For Global LNG Trade

(Focuses on natural gas into the next century with emphasis on world natural gas supply and demand to 2015.)

September 1997

Advance Summary: U.S. Crude Oil, Natural Gas, and Natural gas Liquids Reserves, 1996 Annual Report - Advance Summary

(Focuses on proved reserves of domestic crude oil, natural gas, and natural gas liquids.)

May 1998

Deliverability on the Interstate Natural Gas Pipeline System

(Examines the capability of the interstate pipeline network to move gas to various U.S. markets and discusses changes occurring since 1990.)

Special Reports

March 1997

Natural Gas Analysis and Geographic Information Systems

(Explores how geographic information system techniques and methodologies are being used by the Energy Information Administration.)

April 1997

Natural Gas Pipeline and System Expansions

(Examines recent expansions to the North American natural gas

Natural Gas 1996: Highlights

(Reviews data for 1996 based on Energy Information Administration surveys.)pipeline network.)

July 1997

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

August 1997

U.S. Natural gas Imports and Exports - 1996

(Contains final 1996 data on all U.S. imports and exports of natural gas.)

September 1997

U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed

(Examines recent and proposed expansions of underground natural gas storage capacity and deliverability in the United States as of September 1, 1997.)

October 1997

Comparison of Natural Gas Storage Estimates from the EIA and AGA

(Compares EIA and AGA estimates from January 1994 through July 1997.)

April 1998

Natural Gas 1997: A Preliminary Summary

(Reviews data for 1997 based on Energy Information Administration surveys.)

July l998

Revisions to Monthly Natural Gas Data
(Discusses the revision errors for natural gas data.)

August 1998

U.S. Natural Gas Imports and Exports - 1997

(Contains final 1997 data on all U.S. imports and exports of natural gas.)

Appendix E

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics:				
Natural Gas Production	1, 2, 3	Monthly: Annual:	EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202) 586-6119
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margo Natof (202) 586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margo Natof (202) 586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Linda Cook (202) 586-6306
Price:				
City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202) 586-6106
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202) 586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quaterly Natural Gas Import and and Export Sales and Price Report	Linda Cook (202) 586-6306
Producer Related Activities:				
Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity of Natural Gas Report"	Sharon Belcher (202) 586-6119

Underground Storage:	9, 10, 11 12, 13, 14	Monthly:	Forms FERC-8 and EIA-191, "Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption:				
Deliveries to:				
Residential, Commercial, Industrial, Electric Utility, All Consumers	15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202) 586-4790
Average Price to:				
City Gate, Residential, Commercial, Industrial, Electric Utility	20 21 22 23 24	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202) 586-4790
Onsystem Sales	25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202) 586-6077
Highlights				Mary Carlson (202) 586-4749

Appendix F

Natural Gas Electronic Products

In addition to printed publications, the Energy Information Administration distributes information concerning the natural gas industry in a variety of electronic formats through several media. Two main types of products are available electronically: *viewable documents* that may be read or printed; and *post-processable files* that may be directly used as input to a computer application without additional keying and checking of data.

Viewable documents represent complete or selected sections of publications including text, tables and graphs. They may be as specific as single tables or as general as an entire publication. Post-processable documents on the other hand are either macro-level representations of information in published tables or micro-level respondent information representing responses on a specific nonconfidential survey.

The media used to distribute these electronic publications include: (1) The Energy Information Administration's Internet site (http://www.eia.doe.gov or ftp://ftp.eia.doe.gov); (2) Dial-in access through the Energy Information Administration's EPUB electronic bulletin board or through the Economic Bulletin Board of the Department of Commerce and the COGIS system; (3) The Energy Information Administration's quarterly CD-ROM(Info-Disk); (4) The Energy Information Admi- nistration's Fax on Demand System; and (5) diskettes.

	Internet	Dial-In	Infodisk	E-Mail	Diskette
ANNUAL PUBLICATIONS					
Natural Gas Annual, 1997 Provides information on supply and disposition of natural gas in the United States. Information is provided nationally, regionally, and by State for 1997.	V P		V P		P
Historical Natural Gas Annual, 1930 through 1997 Contains historical information about supply and disposition of natural gas at the national, regional, and State level, as well as prices at selected points in the flow of gas from wellhead to burnertip.	P		P		P
Natural Gas 1996: Issues and Trends Examines how industry restructuring continues to expand choices, and challenges, for industry, participants, and natural gas customers.	V		V		
Natural Gas 1995: Issues and Trends Addresses current issues affecting the natural gas industry and markets, and analyzes trends in the most recent natural gas data.	V		V		
Natural Gas 1994: Issues and Trends Provides an overview of the natural gas industry in 1993 and early 1994, focusing on the overall ability to deliver gas under the new regulatory mandates of the Federal Energy Regulatory Commission's Order 636.	V		V		
U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report, 1996 1996 national and State estimates of reserves, reserve changes, and production, plus industry highlights.	V		V		

V = Viewable P = Post-Processable E = Automatic E-Mail Updates

	Internet	Dial-In	Infodisk	E-Mail	Diskette
Natural Gas Productive Capacity for the Lower 48 States 1986-1998 Analysis of monthly natural gas wellhead productive capacity.	V		V		
MONTHLY PUBLICATIONS					
Natural Gas Monthly, from the previous 12 months Entire Publication in viewable format.	V		V		
OTHER PUBLICATIONS					
Natural Gas Weekly Market Update Analysis of current price, supply and storage data along with a two week snapshot of the weather in four distinct metropolitan areas.	V				
Deliverability on the Interstate Natural Pipeline System This publication chronicles and analyzes pipeline growth from the perspective of the natural gas shipper and pipeline transporter.	V				
Natural Gas 1997: Preliminary Highlights This Special Focus, which was featured in the April 1998 issue of the *Natural Gas Monthly*, presents events that affected the natural gas industry during 1997.	V	P			
Energy Policy Act Transportation Study: Interim Report on Natural Gas Flow and Rates (EPACT) Analysis of natural gas transportation rates and distribution patterns for the period 1988 through 1994.	V		V		
Oil Production Capacity Extension Cost for the Persian Gulf Quantifies the cost of expanding oil production capacity for the Persian Gulf based on geologic plays and fields rather than country-level economics. Development costs and volumes are estimated for the next 15 years.	V		V		
Costs and Indices for Domestic Oil and Gas Fields Equipment and Production Operations 1993-1996 Cost of equipment and operation of oil and gas wells in the lower 48 States.	V		V		
Drilling Sideways- A Review of Horizontal Well Technology and the Domestic Application Salient aspects of current and near-future horizontal drilling and completion technology.	V		V		
International Oil and Gas Exploration and Development Compilation of country-level data and assessment of regional trends relating to upstream aspects of global oil and gas supply.	V		V		
Oil and Gas Field Code Master List Comprehensive listing of U.S. oil and gas field names as of October 1997.	V		V		
Oil and Gas Resources of the Fergana Basin (Uzbekistan, Tadzhikistan, and Kyrgysztan) Reservoir level assessments of oil and gas ultimate recovery in the former Soviet Union area.	V		V		

V = Viewable P = Post-Processable E = Automatic E-Mail Updates

	Internet	Dial-In	InfoDisk	E-Mail	Diskette
The Value of Underground Storage in Today's Natural Gas Industry. Explores the significant and changing role of storage in the industry.	V		V		
U.S. Oil and Gas Development in the Early 1900's Analyses of the growing prominence of smaller energy companies in U.S. oil and gas production	V		V		
ANNUAL DATA					
Natural Gas Supply and Disposition, by State 1997	V P	V P			
Natural Gas Summary, United States by Year 1990-1997	V P	V P			
Natural Gas Annual 1997 data Self-extracting file containing data (in comma-delimited format) that appear in the tables in the 1997 *Natural Gas Annual*.	P		P		P
Historical Natural Gas Annual 1997 data Self-extracting file containing historical information (in comma-delimited format) found in the tables in Volume 2 of the 1997 *Natural Gas Annual.* Annual historical data at the national level are presented for 1930-1997. Annual information by State and region is presented for 1967-1997.	P		P		P
1997 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for 1997.	P				P
1996 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for 1996.	P				P
Data archive of historical reserves estimates for U.S. Crude Oil, Natural Gas, and Natural Gas Liquids National, State, and State subregion data published in the reserves balance tables of *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves* from 1977 forward.	P				P
MONTHLY DATA					
Natural Gas Production, United States by Month 1989-forward	P	P			
Natural Gas Supply and Disposition 1989-forward	P	P		E	
Natural Gas Imports and Exports 1989-forward	P	P			
Natural Gas Underground Storage: United States Total by Month 1989-forward	P	P		E	
Natural Gas Prices: United States Total by Month 1989-forward	P	P		E	
Natural Gas Consumption by Sector: United States Total by Month 1989-forward	P	P		E	
SELF-EXTRACTING COMPRESSED DATA FILE ARCHIVES					
Natural Gas Consumption and Prices, for most recent 2-3 years	P	P			
Natural Gas Consumption and Prices, for 1984-1995	P	P			

V = Viewable P = Post-Processable E = Automatic E-Mail Updates

Glossary

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 quantities lost or to the effects of data reporting 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 underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the termperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: 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 organizations such as hotels, restaurants, retail stores, laundries, and other service enterprises, and gas used by local, State, and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

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

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

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.

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

Independent: Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used by manufacturing and mining establishments for heat, power, and chemical feedstock.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

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.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

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

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. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

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 mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oi1 in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

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: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Therm: One-hundred thousand British thermal units.

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.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

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.