June 1997

Natural Gas Monthly

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MASTER

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Preface

The *Natural Gas Monthly* (NGM) is prepared in the Data Operations Branch of the Reserves and Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE).

General questions and comments regarding the NGM may be referred to Kendrick E. Brown, Jr. (202) 586-6077, Ann M. Ducca (202) 586-6137, or Eva M. Fleming (202) 586-6113. 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.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	IOGCC	Interstate Oil and Gas Compact Commission
Bbl	Barrels		
BLS	Bureau of Labor Statistics, U.S. Department of Labor	LNG	Liquefied Natural Gas
		Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
BOM	Bureau of Mines, U.S. Department of the Interior	MMcf	Million Cubic Feet
		MMS	United States Minerals Management Service, U.S. Department of the Interior
Btu	British Thermal Unit		
DOE	U.S. Department of Energy	NGL	Natural Gas Liquids
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	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 supply, consumption, and prices from the Energy Information Administration. Estimates for many of the data series run through June. Highlights of the most recent monthly data show:

- The national average wellhead price fell sharply (34 percent) again in March to \$1.75 per thousand cubic feet, continuing the downward trend shown from January to February. For the first quarter of the year, the price was \$2.69 per thousand cubic feet, 35 percent higher than the price in the first quarter of 1996.
- Through the first half of 1997, natural gas production is estimated to be virtually unchanged from the same period of 1996, while estimates of net imports are 11 percent above 1996 levels. Working gas in storage is estimated to be 1,756 billion cubic feet at the end of June 1997, 15 percent higher than 1 year ago.
- Total consumption through June 1997 is estimated to be 11,863 billion cubic feet, about 1 percent less than the level a year ago. The residential sector, which is very weather sensitive, showed a decline of 5 percent, while deliveries to industrials rose by 2 percent.

Supply

Dry natural gas production is estimated to be 1,552 billion cubic feet in June 1997, or 51.7 billion cubic feet per day (Table 1). Daily production in June 1997 dropped less than 1 percent below the daily rate in May 1997, and was less than 1 percent higher than in June 1996 (Figure HI1).

Net imports of natural gas in June 1997 are estimated to be 230 billion cubic feet, or 7.7 billion cubic feet per day (Table 2). Thus, the daily rate of net imports follows the trend in production and is slightly lower (1 percent) in June 1997 than in May. However, cumulatively, net imports through June 1997 have reached 1,463 billion cubic feet, which is 11 percent higher than during the first 6 months of 1996.

Net injections of natural gas into underground storage increased by 31 billion cubic feet from May to June 1997. Corresponding increases in production and imports

were not required to meet storage refill needs because of the 171-billion-cubic-foot decline in total consumption during the period. The estimate of net injections in June 1997 (negative net withdrawals in Table 9) is 351 billion cubic feet, bringing the level of working gas in storage at the end of June to 1,756 billion cubic feet (Figure HI2).

Monthly working gas levels have exceeded those of the prior year every month beginning in December 1996, yet they continue to remain at historically low levels. The estimate for June 1997 exceeds that of June 1996 by 15 percent.

End-Use Consumption

Volumes of natural gas consumed by end users fell by 11 percent from May to June 1997. This decline mirrors the historical pattern of reduced consumption by the residential and commercial sectors during the spring and summer months. Total end-use consumption is estimated to be 1,318 billion cubic feet in June 1997 (Table 3).

Estimates of residential and commercial natural gas consumption in June 1997 total 299 billion cubic feet, virtually the same as consumption by those sectors in June 1996. Industrial consumption of natural gas is estimated to be 708 billion cubic feet in June 1997. This is less than 1 percent below the level in June 1996 and 4 percent lower than in May 1997. Cumulatively through June, industrial consumption in 1997 is 2 percent higher than in 1996 (Figure HI3).

Electric utilities consumed an estimated 189 billion cubic feet of natural gas in March 1997 (the latest month available). Usage was 32 percent higher than in the previous month and 21 percent higher than in March 1996. Cumulatively, electric utility consumption from January through March 1997 is 2 percent above that of the first quarter of 1996.

Prices

Estimates of price information are available through March 1997 for all series except for the electric utility sector which is available through February 1997. For the

Figure HI1. Natural Gas Production and Consumption, January-June, 1995-1997

Source: Table 2.

Figure HI2. Working Gas in Underground Storage in the United States, 1995-1997

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 1992 to 1996 while the January average is calculated from January levels for 1993 to 1997. 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.

first time in over a year, the latest monthly wellhead price estimate is lower than a year ago. Relative changes in monthly end-use prices are mixed, with residential and commercial prices higher and industrial and electric utility prices lower than year-ago levels. Average prices for the first quarter of 1997, however, remain significantly higher than for the same period of 1996 for all price series.

The national average wellhead price for March 1997 is estimated to be \$1.75 per thousand cubic feet, down 34 percent from February 1997 and 14 percent below the March 1996 level (Table 4). Both spot and futures prices at the Henry Hub also fell significantly, from about \$2.50 per million Btu at the beginning of February to below \$2.00 per million Btu by the end of the month, then remained in the \$1.80 to \$2.00 range during March.

The average wellhead price for the first quarter of 1997 is estimated to be \$2.69 per thousand cubic feet, 35 percent higher than the average for the first quarter of 1996 (Figure HI4). The estimated city gate price for the first quarter is \$3.78 per thousand cubic feet, 20 percent higher than in the same period last year. Residential and industrial price estimates, at \$6.66 and \$4.07 per thousand cubic feet, respectively, are both 16 percent higher than in the first quarter of 1996, while the commercial estimate of \$5.94 is 13 percent higher than last year.¹ The estimated average electric utility price for January through February 1997 is \$3.50 per thousand cubic feet, 18 percent above the level during the same period in 1996.

During the 1996-97 heating season (November 1 through March 31) the national average value for heating degree days was 7 percent below that of the previous heating season, indicating generally warmer weather. Only the Pacific and Mountain Census Divisions had more heating degree days than during the 1995-96 season, 6 percent and 3 percent respectively. Despite the warmer weather, many residential customers saw large bills as they purchased natural gas primarily for space heating, even though their gas consumption was 5 percent below that of the prior heating season. Consumers in this sector spent \$23 billion on natural gas during the 1996-97 heating season, 9 percent more than during the 1995-96 heating season.

The higher expenditures can be partially attributed to differences in storage utilization this past winter. Many distribution companies were cautious in their use of gas from storage during the first 3 months of the heating season. Instead the companies relied heavily on short-

term, spot market gas in order to meet peak local demands, thus contributing to rising gas prices. For example, the national average wellhead price rose from \$1.93 per thousand cubic feet in October 1996 to \$3.53 per thousand cubic feet in December 1996, and reached \$3.69 in January 1997. The December 1996 price was almost double that of December 1995. (The average wellhead price fell 53 percent from January to March 1997.)

Average spot market prices at the Henry Hub were also generally higher during the 1996-97 heating season compared with 1995-96. From December 1996 through January 1997, the average daily spot price was over \$3.00 per million Btu for all but 8 days (Figure HI5). The spot price peaked in December 1996 at \$4.71 per million Btu and in January 1997 at \$4.65. In contrast, during the period from December 1995 through January 1996, the average daily spot price was above \$3.00 per million Btu for only 14 days. The peak average spot prices in December 1995 and January 1996 were \$3.70 and \$3.63 per million Btu, respectively.

Concerns about high prices were long gone as the month of June 1997 approached. Instead the natural gas industry is facing some new issues, resulting from changes that affected bid week at the end of May. The timing of market deals has changed because of the shift in the expiration date of the Henry Hub natural gas futures contract on the New York Mercantile Exchange. The expiration date was changed from the fifth business day prior to the end of the month to the third business day prior to the end. Correspondingly, most pipeline companies have shifted their nomination deadlines closer to the end of the month--the 29th and the 30th were most commonly used in May 1997.² Theoretically, the closer timing of spot trading and the expiration of futures contracts should result in more price convergence between these two markets.

Another issue facing the industry during bid week for June deliveries was the implementation of new standards by the Gas Industry Standards Board (GISB), effective June 1. These changes are an attempt to standardize codes used by all pipeline companies to ease the transition to full electronic trading.

These industry issues resulted in a great increase in activity during a very focused bid week. "Traders said that the implementation of GISB standards introduced much confusion into the market as the timing of the nomination period changed and document and meter numbers--which have been the same for many years--were standardized."³

¹End-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 1996 they were from 59 to 77 percent of commercial deliveries and only 15 to 21 percent of industrial deliveries. A similar pattern is developing for 1997 (Table 4).

²Bloomberg L.P., "United States Natural Gas Price Indexes," *Bloomberg Natural Gas Report* (June 16, 1997), p.13.

³The Oil Company, "Bid-Week Prices Up from May; GISB Changes Confuse Traders," *Natural Gas Week* (June 2, 1997), pp. 1, 10-11.

Figure HI3. Natural Gas Delivered to Consumers, January-June, 1995-1997

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-March 1995-1997

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.

Figure HI5. Futures and Spot Prices at the Henry Hub and Average Wellhead Price

Note: The futures price is for the contract that is to terminate trading next on the futures market. The spot price is the midpoint of the high and low daily prices at the Henry Hub.

Sources: **Futures Prices:** Commodity Futures Trading Commission, Division of Economic Analysis. **Spot Prices:** Pasha Publications, Inc., *Gas Daily*. **Wellhead Prices:** Table 4.

Table 1. Summary of Natural Gas Production in the United States, 1991-1997
(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
1991 Total	21,750	2,772	276	170	18,532	835	17,698
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							
January	2,043	311	34	21	1,677	78	1,599
February	1,822	276	30	20	1,495	70	1,426
March	2,026	314	32	20	1,660	77	1,582
April	1,945	287	32	21	1,604	75	1,530
May	1,997	291	33	24	1,649	77	1,572
June	1,910	264	31	28	1,587	74	1,513
July	1,960	264	31	26	1,639	76	1,563
August	1,965	284	30	22	1,628	76	1,552
September	1,914	276	33	25	1,581	74	1,507
October	1,988	319	34	25	1,610	75	1,535
November	2,045	331	33	24	1,657	77	1,580
December	2,128	348	35	26	1,719	80	1,639
Total	23,744	3,565	388	284	19,506	908	18,599
1996							
January	^E 2,083	^E 327	^E 31	^E 25	^E 1,700	79	1,621
February	^E 1,955	^E 310	^E 29	^E 23	^E 1,593	74	1,518
March	^E 2,064	^E 328	^E 30	^E 22	^E 1,684	78	1,605
April	^E 2,012	^E 305	^E 31	^E 23	^E 1,653	77	1,576
May	^E 2,001	^E 285	^E 30	^E 22	^E 1,665	78	1,588
June	^E 1,954	^E 291	^E 28	^E 19	^E 1,616	75	1,541
July	^E 2,009	^E 288	^E 31	^E 22	^E 1,668	78	1,590
August	^E 2,021	^E 299	^E 31	^E 22	^E 1,669	78	1,591
September	^{RE} 1,971	^E 301	^E 29	^E 21	^{RE} 1,620	75	^R 1,544
October	^E 2,028	^E 324	^E 30	^E 21	^E 1,654	77	1,577
November	^E 2,041	^E 318	^E 29	^E 21	^E 1,673	^E 78	^E 1,595
December	^E 2,140	^E 331	^E 31	^E 22	^E 1,757	^E 82	^E 1,675
Total	^{RE}24,281	^E3,708	^E359	^E263	^{RE}19,951	^E930	^{RE}19,022
1997							
January	^{RE} 2,081	^E 327	^{RE} 41	^{RE} 21	^{RE} 1,692	79	^R 1,613
February	^{RE} 1,886	^{RE} 301	^R 38	^{RE} 18	^{RE} 1,529	^R 71	^R 1,458
March	^{RE} 2,100	^{RE} 330	^{RE} 34	^{RE} 20	^E 1,716	^E 80	^E 1,636
April	^{RE} 2,022	^{RE} 319	^{RE} 34	^{RE} 19	^E 1,650	^E 77	^E 1,573
May(STIFS)	NA	NA	NA	NA	^E 1,691	^E 79	^E 1,612
June(STIFS)	NA	NA	NA	NA	^E 1,627	^E 75	^E 1,552
1997 YTD	NA	NA	NA	NA	^E9,905	^E461	^E9,444
1996 YTD	^E12,070	^E1,847	^E179	^E134	^E9,910	462	9,449
1995 YTD	11,743	1,744	192	135	9,672	450	9,221

^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 1991 through 1995 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: 1991-1994: Energy Information Administration (EIA), *Natural Gas Annual 1995*. January 1996 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, estimating procedures, and revision policy.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1991-1997
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1991 Total	17,698	113	1,644	80	-500	19,035
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						
January	1,599	12	240	613	-60	2,403
February	1,426	10	223	531	17	2,207
March	1,582	10	236	228	42	2,098
April	1,530	7	220	-51	74	1,780
May	1,572	8	216	-343	115	1,567
June	1,513	8	202	-380	52	1,395
July	1,563	8	208	-313	30	1,497
August	1,552	8	223	-212	-24	1,548
September	1,507	7	216	-321	-17	1,393
October	1,535	9	224	-210	-72	1,486
November	1,580	10	224	278	-206	1,886
December	1,639	12	256	595	-181	2,321
Total	18,599	110	2,687	415	-230	21,581
1996						
January	1,621	14	237	699	-7	2,564
February	1,518	12	215	447	^R 132	2,325
March	1,605	12	209	324	^R 40	^R 2,190
April	1,576	11	209	-114	145	1,826
May	1,588	8	235	-328	^R 67	1,570
June	1,541	10	212	-375	71	1,458
July	1,590	10	221	-369	-13	1,440
August	1,591	10	222	-345	-2	1,476
September	^R 1,544	9	225	-364	^R 22	1,393
October	1,577	10	237	-204	^R 95	^R 1,526
November	^E 1,595	^E 12	236	264	^R 204	^R 1,903
December	^E 1,675	^E 8	^{RE} 270	376	^R 77	^{RE} 2,252
Total	^{RE} 19,022	^E 125	^{RE} 2,727	11	^R 37	^{RE} 21,922
1997						
January	^R 1,613	12	^E 264	672	^R 38	^R 2,524
February	^R 1,458	11	^{RE} 231	356	^R 217	^R 2,272
March	^E 1,636	^E 11	^E 253	156	^R 35	^R 2,090
April	^E 1,573	^{RE} 9	^{RE} 242	^R 55	^{RE} 106	^E 1,876
May(STIFS)	^E 1,612	^E 9	^E 243	^E 320	^E 92	^E 1,636
June(STIFS)	^E 1,552	^E 9	^E 230	^E 351	^E 25	^E 1,465
1997 YTD	^E 9,444	^E 61	^E 1,463	^E 459	^E 436	^E 11,863
1996 YTD	9,449	67	1,316	653	448	11,933
1995 YTD	9,221	55	1,336	598	239	11,450

^a Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility where they are gathered 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 .0026 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 1995 include underground storage and liquefied natural gas storage. Data for January 1996 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, and deliveries to consuming sectors as shown in Table 3.

^R = Revised Data.

^E = Estimated Data.

^{RE} = Revised Estimated Data.

Notes: Data for 1991 through 1995 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: 1991-1994: Energy Information Administration (EIA), *Natural Gas Annual 1995*, 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, "Underground Natural 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 1995*. January 1996 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 discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1994-1998

Sources: 1993 through the current month: Table 2. Projected data: Energy Information Administration, *Short-Term Energy Outlook* (October 1996).

Table 3. Natural Gas Consumption in the United States, 1991-1997
(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	
1991 Total	1,129	601	4,556	2,729	7,231	2,789	17,305	19,035
1992 Total	1,171	588	4,690	2,803	7,527	2,766	17,786	19,544
1993 Total	1,172	624	4,956	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								
January	105	79	816	427	777	199	2,218	2,403
February	94	73	754	411	707	168	2,040	2,207
March	104	69	600	342	738	245	1,926	2,098
April	100	58	419	254	720	229	1,622	1,780
May	103	50	260	184	711	258	1,414	1,567
June	99	45	159	133	663	297	1,252	1,395
July	101	48	131	133	677	407	1,347	1,497
August	101	50	114	130	684	468	1,397	1,548
September	99	45	134	130	670	316	1,250	1,393
October	102	48	216	171	709	240	1,336	1,486
November	105	61	489	297	736	198	1,720	1,886
December	109	76	758	420	786	172	2,136	2,321
Total	1,220	700	4,850	^c 3,034	8,580	3,197	19,660	21,581
1996								
January	106	83	931	482	793	168	2,374	2,564
February	100	75	829	443	742	137	2,150	2,325
March	105	71	705	391	^R 762	156	^R 2,014	^R 2,190
April	103	59	474	286	734	170	1,663	1,826
May	104	51	270	187	^R 693	264	^R 1,414	1,570
June	101	47	162	138	710	299	1,309	1,458
July	104	47	125	128	678	358	1,289	1,440
August	104	48	118	127	711	367	1,323	1,476
September	101	45	137	130	694	285	1,246	1,393
October	104	^R 50	^R 243	^R 176	727	226	^R 1,373	^R 1,526
November	105	62	^R 502	^R 299	^R 766	170	^R 1,737	^R 1,903
December	110	73	^R 740	^R 415	^R 781	132	^R 2,069	^{RE} 2,252
Total	1,249	711	^R 5,234	^R 3,203	^R 8,791	2,732	^R 19,962	^{RE} 21,922
1997								
January	^R 106	82	^R 909	^R 480	^R 808	139	^R 2,336	^R 2,524
February	^R 96	74	768	^R 426	^R 767	143	^R 2,103	^R 2,272
March	107	^R 68	^R 603	^R 357	^R 766	189	1,915	^R 2,090
April (STIFS)	^E 101	^E 62	^E 476	^E 293	^E 747	NA	^E 1,713	^E 1,876
May (STIFS)	^E 104	^E 53	^E 279	^E 199	^E 737	NA	^E 1,479	^E 1,636
June (STIFS)	^E 101	^E 46	^E 157	^E 142	^E 708	NA	^E 1,318	^E 1,465
1997 YTD ^d	^E 615	^E 384	^E 3,192	^E 1,896	^E 4,532	471	^E 10,863	^E 11,863
1996 YTD	620	387	3,370	1,927	4,433	461	10,925	11,933
1995 YTD	604	373	3,008	1,751	4,316	612	10,472	11,450

^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 Total may not equal sum of the twelve months because gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. Vehicle fuel deliveries were 1.7 billion cubic feet in 1994 and 2.7 billion cubic feet in 1995.

^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 1991 through 1995 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.

Sources: 1991-1994: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," 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 1995*. January 1996 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, 1993-1997

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

Table 4. Selected National Average Natural Gas Prices, 1991-1997
(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	
1991 Annual Average	1.64	2.90	5.82	4.81	85.1	2.69	32.7	2.18
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								
January	1.62	2.79	5.85	5.23	81.6	2.95	27.3	2.13
February	1.48	2.71	5.76	5.14	81.7	2.85	27.4	2.00
March	1.47	2.74	5.84	5.12	81.2	2.74	26.5	1.92
April	1.52	2.72	6.06	5.08	77.2	2.57	25.4	1.97
May	1.55	2.80	6.54	5.04	71.8	2.54	23.6	2.06
June	1.58	2.89	7.49	5.16	71.4	2.44	24.5	2.06
July	1.43	2.89	7.82	5.03	67.3	2.34	22.2	1.90
August	1.43	2.87	8.13	4.99	66.6	2.26	21.8	1.84
September	1.52	2.89	7.73	4.98	67.9	2.42	22.0	1.95
October	1.54	2.83	6.62	4.82	69.7	2.44	22.5	2.09
November	1.61	2.67	5.61	4.77	75.6	2.68	24.7	2.22
December	1.84	2.83	5.54	5.00	79.2	3.07	25.0	2.58
Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02
1996								
January	2.08	3.13	5.60	5.30	76.3	^R 3.46	^R 20.1	2.88
February	1.90	3.16	5.78	5.24	76.9	3.54	^R 20.6	3.07
March	2.03	3.17	5.89	5.31	74.6	3.51	19.3	2.74
April	2.13	3.22	6.22	5.29	72.3	^R 3.34	18.7	2.68
May	2.04	3.18	^R 6.77	5.34	67.1	3.07	^R 17.4	2.52
June	2.13	3.39	7.75	5.37	62.6	3.12	15.6	2.59
July	2.33	3.48	8.55	5.43	60.7	3.19	17.2	2.69
August	2.19	3.48	8.62	5.54	58.8	3.06	14.8	2.57
September	1.87	3.03	7.94	5.44	59.1	2.83	14.6	2.24
October	1.93	2.93	7.00	^R 5.30	^R 62.1	^R 2.85	15.8	2.37
November	2.70	3.47	^R 6.31	^R 5.38	^R 68.8	^R 3.58	16.6	3.05
December	3.53	4.20	^R 6.39	5.74	^R 71.0	^R 4.25	^R 17.9	3.98
Annual Average	^R 2.24	3.34	6.29	5.38	70.5	^R 3.35	^R 17.4	2.69
1997								
January	^R 3.69	4.31	6.69	6.07	^R 72.0	^R 4.59	17.9	4.04
February	^R 2.64	3.73	6.76	5.98	71.2	4.21	16.3	2.98
March	^E 1.75	3.05	6.49	5.69	68.6	3.35	16.4	NA
1997 YTD ^c	^E 2.69	3.78	6.66	5.94	70.8	4.07	16.9	3.50
1996 YTD	2.00	3.15	5.74	5.28	76.0	3.50	20.0	2.97
1995 YTD	1.52	2.75	5.82	5.17	81.5	2.85	26.7	2.07

^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.

NA = Not Available.

Notes: Data for 1991 through 1995 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

Sources: 1990-1994: Energy Information Administration (EIA) *Natural Gas Annual* 1995. 1994-1995 Form 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 1996 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, 1993-1997

Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1993-1997

Source: Table 4.

Table 5. U.S. Natural Gas Imports, by Country, 1991-1997

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

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Algeria		United Arab Emirates		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1991 Total	1,709,716	1.81	—	—	63,596	2.36	—	—	1,773,313	1.83
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										
January	250,666	1.59	158	1.38	2,511	2.40	—	—	253,335	1.60
February	233,404	1.45	0	—	2,573	1.81	—	—	235,977	1.46
March	247,578	1.39	150	1.50	2,621	2.45	—	—	250,349	1.40
April	231,745	1.37	0	—	0	—	—	—	231,745	1.37
May	225,682	1.45	0	—	2,576	1.89	—	—	228,259	1.46
June	217,456	1.47	0	—	0	—	—	—	217,456	1.47
July	222,652	1.40	0	—	0	—	—	—	222,652	1.40
August	233,419	1.33	824	1.53	2,648	2.42	—	—	236,891	1.34
September	223,836	1.43	3,872	1.53	0	—	—	—	227,708	1.43
October	234,284	1.48	1,718	1.56	0	—	—	—	236,003	1.48
November	233,857	1.60	0	—	2,487	2.47	—	—	236,344	1.61
December	261,828	1.79	0	—	2,502	2.65	—	—	264,329	1.80
Total	2,816,408	1.48	6,722	1.53	17,918	2.30	—	—	2,841,048	1.49
1996										
January	247,111	2.04	1,498	2.03	2,460	2.81	0	—	251,070	2.05
February	225,127	1.96	698	2.14	2,512	2.79	0	—	228,338	1.97
March	219,987	1.90	1,259	2.17	2,599	3.06	0	—	223,845	1.91
April	212,618	1.80	1,392	2.18	4,559	2.50	0	—	218,570	1.81
May	236,444	1.72	4,067	2.15	2,612	2.58	0	—	243,123	1.73
June	223,051	1.71	712	2.35	0	—	0	—	223,763	1.71
July	231,167	1.78	1,304	2.57	2,642	3.00	0	—	235,114	1.79
August	236,581	1.77	31	1.70	2,629	2.56	0	—	239,241	1.78
September	232,622	1.67	771	1.69	0	—	2,524	3.34	235,917	1.69
October	242,698	1.98	1,110	2.36	5,116	2.96	0	—	248,924	2.00
November	243,835	2.28	981	2.85	5,031	2.60	0	—	249,847	2.29
December	262,173	2.71	96	3.29	5,164	2.61	2,425	3.57	269,858	2.71
Total	2,813,415	1.95	13,919	2.24	35,325	2.73	4,949	3.45	2,867,608	1.97
1997										
January	264,919	NA	^E 1,046	NA	7,560	NA	2,417	NA	^E 275,942	NA
February	^R 233,569	NA	^E 1,443	NA	7,667	NA	0	—	^{RE} 242,679	NA
March	^{RE} 261,867	NA	^E 2,403	NA	2,530	NA	0	—	^{RE} 266,800	NA
April	^E 249,388	NA	^E 1,300	NA	2,557	NA	0	—	^E 253,245	NA
1997 YTD	^E 1,009,743	NA	^E 6,192	NA	20,314	NA	2,417	NA	^E 1,038,666	NA
1996 YTD	904,844	1.93	4,847	2.13	12,131	2.74	0	—	921,822	1.94
1995 YTD	963,393	1.45	308	1.44	7,704	2.22	—	—	971,406	1.46

R = Revised Data.

E = Estimated Data.

RE = Revised Estimated Data.

NA = Not Available.

— = Not Applicable.

Sources: 1991-1995: 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, 1991-1997
(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		
1991 Total	14,791	1.91	60,448	1.76	54,005	3.71	129,244	2.59
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								
January	2,518	2.00	5,576	1.54	5,541	3.35	13,635	2.36
February	2,016	2.02	5,542	1.32	5,557	3.38	13,115	2.30
March	2,387	1.92	6,670	1.36	5,573	3.39	14,630	2.22
April	2,457	1.84	5,941	1.49	3,741	3.47	12,138	2.17
May	1,931	2.01	6,848	1.58	3,698	3.54	12,477	2.23
June	2,106	1.91	7,945	1.59	5,556	3.59	15,606	2.34
July	2,446	1.82	6,526	1.39	5,581	3.58	14,552	2.30
August	2,558	1.77	3,431	1.29	7,531	3.47	13,520	2.60
September	3,336	2.03	2,378	1.47	5,656	3.36	11,370	2.58
October	2,929	1.91	5,588	1.63	3,733	3.30	12,250	2.21
November	1,627	2.21	3,535	1.65	7,518	3.29	12,679	2.69
December	1,244	2.43	1,303	1.82	5,599	3.31	8,146	2.94
Total	27,554	1.96	61,283	1.50	65,283	3.41	154,119	2.39
1996								
January	6,856	3.22	1,608	1.98	5,534	3.38	13,998	3.14
February	5,275	2.74	2,000	1.82	5,619	3.29	12,894	2.84
March	6,785	2.80	2,861	1.81	5,642	3.55	15,288	2.89
April	2,430	2.22	1,924	1.69	5,653	3.57	10,007	2.88
May	2,809	2.15	1,900	1.84	3,750	3.61	8,459	2.72
June	3,001	2.25	3,486	2.15	5,651	3.65	12,138	2.87
July	3,776	2.45	3,061	2.23	7,546	3.66	14,383	3.04
August	2,197	2.30	9,176	2.11	5,667	3.67	17,040	2.65
September	2,514	1.94	2,389	1.73	5,661	3.73	10,564	2.85
October	4,312	1.97	1,989	1.85	5,588	3.84	11,889	2.83
November	6,473	2.76	1,533	2.56	5,670	4.01	13,676	3.25
December	4,437	3.75	1,916	3.72	5,661	3.73	12,014	3.73
Total	50,865	2.67	33,843	2.11	67,642	3.64	152,350	2.98
1997								
January	^E 4,436	NA	^E 1,756	NA	5,604	NA	^E 11,797	NA
February	^E 4,670	NA	^E 1,457	NA	5,596	NA	^E 11,724	NA
March	^E 6,949	NA	^E 1,226	NA	5,675	NA	^E 13,850	NA
April	^E 4,000	NA	^E 1,400	NA	5,660	NA	^E 11,060	NA
1997 YTD	^E20,055	NA	^E5,840	NA	22,536	NA	^E48,431	NA
1996 YTD	21,346	2.85	8,393	1.82	22,448	3.45	52,187	2.94
1995 YTD	9,377	1.94	23,729	1.43	20,412	3.39	53,518	2.26

^E = Estimated Data.

NA = Not Available.

Sources: 1991-1995: 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, 1991-1997
(Million Cubic Feet)

Year and Month	Alabama ^b	Alaska	Arizona	California	Colorado	Florida	Kansas
1991 Total	170,847	437,822	1,225	378,384	285,961	4,884	628,459
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							
January	43,456	43,391	43	24,674	47,253	559	64,211
February	39,652	38,966	40	22,028	41,958	570	60,635
March	43,734	43,037	43	23,829	45,291	598	59,382
April	42,727	39,714	42	22,819	45,021	578	59,555
May	44,169	39,308	44	23,055	45,187	604	61,639
June	42,737	35,781	40	22,145	42,589	535	58,686
July	45,521	36,246	50	22,545	43,042	537	59,830
August	45,244	35,724	58	22,584	43,105	502	58,451
September	37,523	36,488	53	22,276	41,295	508	53,756
October	45,123	39,695	52	24,100	45,563	475	58,743
November	44,954	39,324	48	24,188	45,440	497	60,691
December	44,820	41,874	44	25,312	37,338	502	65,856
Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996							
January	32,816	44,811	41	20,482	44,982	518	62,504
February	30,858	40,581	42	22,766	40,221	493	62,213
March	33,269	43,896	45	24,525	46,594	460	62,554
April	31,604	39,838	36	23,836	41,542	456	60,401
May	32,749	36,479	39	23,932	45,656	483	61,727
June	31,136	37,470	45	23,137	40,521	503	55,896
July	30,947	37,404	30	24,356	37,626	500	56,667
August	31,157	37,379	43	24,405	38,378	540	54,730
September	30,030	38,181	31	23,683	44,665	537	^R 55,147
October	30,029	41,339	34	24,090	48,808	468	57,158
November	31,598	40,859	37	24,307	49,394	517	58,021
December	32,684	44,325	40	24,998	50,578	531	60,434
Total	378,877	482,563	463	284,518	528,965	6,006	^R 707,452
1997							
January	32,136	45,409	46	24,427	47,843	525	^R 55,893
February	29,307	40,017	41	23,877	^E 41,992	510	^E 52,226
1997 YTD	61,442	85,425	87	48,305	^E 89,835	1,034	^E 108,119
1996 YTD	63,674	85,392	83	43,248	^E 85,203	1,011	124,717
1995 YTD	83,108	82,357	83	46,702	89,212	1,128	124,846

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1991-1997
(Million Cubic Feet) — Continued

Year and Month	Louisiana ^a	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1991 Total	5,034,361	195,749	108,031	51,999	1,038,284	53,479	2,153,852
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							
January	437,237	22,536	7,664	4,919	134,508	4,284	160,707
February	386,483	7,882	6,874	4,278	125,334	3,933	143,517
March	417,303	31,418	7,651	4,716	136,983	4,410	154,640
April	411,156	17,507	7,408	4,381	131,657	4,111	148,305
May	432,964	19,427	8,138	4,153	137,827	4,313	149,369
June	412,412	25,052	7,836	3,420	130,688	4,186	143,346
July	432,943	23,349	7,959	3,493	132,372	3,615	145,565
August	420,784	19,129	8,685	3,570	138,073	4,128	145,609
September	422,232	21,698	8,783	3,734	134,030	4,129	143,565
October	401,813	19,548	8,429	4,345	139,330	4,239	156,378
November	452,671	15,086	7,874	4,566	140,166	4,019	156,667
December	480,368	15,569	8,233	4,690	144,869	4,101	164,066
Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996							
January	^E 457,580	22,482	8,089	4,503	^E 143,656	4,109	^E 160,437
February	^E 427,338	19,173	7,386	4,266	^E 133,884	3,753	^E 147,253
March	^E 448,513	11,499	8,385	4,443	^E 146,302	4,048	^E 154,752
April	^E 435,818	32,907	8,225	4,098	^E 140,455	3,924	^E 148,412
May	^E 452,471	18,490	9,026	4,244	^E 147,208	4,106	^E 149,174
June	^E 437,816	24,185	8,983	3,496	^E 139,613	3,847	^E 144,004
July	^E 460,981	27,825	9,335	3,603	^E 132,637	3,894	^E 145,901
August	^E 459,033	23,866	9,193	4,050	^E 134,516	4,066	^E 146,102
September	^E 448,022	20,734	8,641	4,172	^E 129,296	4,153	^E 143,935
October	^E 435,727	20,904	8,996	4,625	^E 130,917	4,268	^E 155,859
November	^E 470,333	16,612	8,487	^E 4,714	^E 131,772	4,134	^E 156,333
December	^E 494,812	13,930	8,518	^E 4,906	^E 136,236	4,178	^E 163,208
Total	^E5,428,444	252,606	103,263	^E51,119	^E1,646,492	48,479	^E1,815,370
1997							
January	^E 448,338	35,849	8,089	^R 4,638	^R 125,382	4,035	^E 150,892
February	^E 403,945	17,314	7,807	4,380	125,445	3,921	^E 139,315
1997 YTD	^E852,283	53,162	15,896	9,018	250,827	7,956	^E290,207
1996 YTD	^E884,918	41,655	15,475	8,768	^E277,540	7,862	^E307,690
1995 YTD	823,719	30,418	14,538	9,196	259,842	8,217	304,224

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1991-1997
(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1991 Total	2,741	6,280,654	144,817	776,528	784,362	18,532,439
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						
January	279	528,857	22,354	62,919	66,793	1,676,643
February	214	479,553	21,686	50,369	61,412	1,495,384
March	208	538,515	25,813	57,602	64,520	1,659,694
April	150	523,631	24,529	59,544	61,326	1,604,162
May	137	539,311	22,498	54,039	62,505	1,648,688
June	135	526,759	15,626	51,792	63,229	1,586,994
July	150	548,617	17,120	55,403	61,116	1,639,474
August	139	545,415	17,676	57,125	62,212	1,628,213
September	128	520,687	18,447	51,741	59,787	1,580,857
October	128	524,049	16,987	57,494	63,766	1,610,256
November	126	522,744	18,062	56,956	62,910	1,656,989
December	130	531,909	20,493	58,792	70,151	1,719,118
Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996						
January	120	543,853	19,998	62,922	^E 66,547	^E 1,700,449
February	75	514,791	18,027	58,344	^E 61,145	^E 1,592,612
March	105	546,612	21,650	61,854	^E 64,094	^E 1,683,599
April	121	532,218	20,864	66,987	^E 60,873	^E 1,652,614
May	140	537,408	21,035	58,990	^E 61,783	^E 1,665,140
June	132	529,989	20,759	51,535	^E 62,926	^E 1,615,991
July	146	546,323	20,573	62,384	^E 67,056	^E 1,668,188
August	117	549,279	21,137	62,393	^E 68,607	^E 1,668,992
September	132	519,341	21,589	61,413	^E 65,879	^{RE} 1,619,581
October	134	538,164	22,152	60,089	^E 70,267	^E 1,654,027
November	113	527,176	21,606	57,830	^E 69,602	^E 1,673,447
December	102	557,347	21,376	61,104	^E 77,463	^E 1,756,770
Total	1,439	6,442,501	250,767	725,845	^E796,241	^{RE}19,951,409
1997						
January	105	560,683	^R 21,782	53,272	^E 72,637	^{RE} 1,691,982
February	98	509,089	^E 17,919	45,143	^E 66,659	^E 1,529,003
1997 YTD	203	1,069,772	^E39,701	98,415	^E139,296	^E3,220,985
1996 YTD	196	1,058,644	38,025	121,266	^E127,692	^E3,293,060
1995 YTD	492	1,008,410	44,040	113,288	128,205	3,172,027

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1996 and 1997 monthly values for these States are estimated.

^b The 1992, 1993, 1994, and 1995 monthly and annual values include Federal Offshore production.

^c Monthly Federal offshore production volumes are included.

^R = Revised Data.

^E = Estimated Data.

^{RE} = Revised Estimated Data.

Notes: Data for 1990 through 1995 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: 1990-1993: Energy Information Administration (EIA), *Natural Gas Annual* 1995 1994 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,
February 1997**
(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	32,547	908	33,455	1,877	2,146	125	29,307
Alaska	14,943	265,401	280,344	239,733	0	594	40,017
Arizona	35	6	41	0	0	0	41
California	6,285	25,573	31,858	7,851	87	42	23,877
Colorado	[£] 36,345	[£] 6,381	[£] 42,725	[£] 671	0	[£] 62	[£] 41,992
Florida	0	575	575	0	66	0	510
Kansas	[£] 46,084	[£] 6,284	[£] 52,368	[£] 89	0	[£] 52	[£] 52,226
Louisiana	[£] 355,469	[£] 53,437	[£] 408,906	[£] 3,207	0	[£] 1,754	[£] 403,945
Michigan	14,229	3,557	17,786	195	0	277	17,314
Mississippi	8,817	526	9,343	703	631	202	7,807
Montana	3,890	527	4,418	5	0	33	4,380
New Mexico	118,354	20,577	138,931	845	12,415	225	125,445
North Dakota	1,406	2,878	4,284	175	6	182	3,921
Oklahoma	[£] 117,138	[£] 22,177	[£] 139,315	0	0	0	[£] 139,315
Oregon	114	0	114	2	14	0	98
Texas	451,385	109,230	560,616	36,282	12,886	2,359	509,089
Utah	[£] 16,329	[£] 3,198	[£] 19,527	[£] 119	0	[£] 1,489	[£] 17,919
Wyoming	66,037	7,207	73,244	8,874	9,607	9,620	45,143
Other States	[£] 64,258	[£] 3,569	[£] 67,827	[£] 591	0	[£] 578	[£] 66,659
Total	[£] 1,353,663	[£] 532,013	[£] 1,885,676	[£] 301,220	[£] 37,858	[£] 17,595	[£] 1,529,003

^a See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

[£] = 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, 1991-1997
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^a	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1991 Total ^a	3,954	2,824	6,778	-244	-8.0	2,608	2,689	80
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								
January	4,365	2,045	6,410	466	29.5	45	644	599
February	4,368	1,542	5,910	451	41.4	44	564	519
March	4,362	1,332	5,694	374	39.0	104	327	223
April	4,360	1,379	5,740	207	17.7	177	127	-49
May	4,393	1,668	6,061	114	7.3	369	34	-335
June	4,406	2,014	6,420	118	6.2	410	40	-371
July	4,340	2,301	6,641	28	1.2	359	54	-306
August	4,339	2,495	6,834	-112	-4.3	293	86	-207
September	4,341	2,802	7,143	-110	-3.8	343	29	-313
October	4,338	2,996	7,334	-79	-2.6	274	68	-205
November	4,342	2,728	7,070	-249	-8.4	96	367	272
December	4,349	2,153	6,503	-453	-17.4	53	635	582
Total	—	—	—	—	—	2,566	2,974	408
1996								
January	4,348	1,461	5,809	-584	-28.6	48	746	699
February	4,342	1,019	5,361	-522	-33.9	95	542	447
March	4,284	755	5,039	-577	-43.3	77	401	324
April	4,306	851	5,156	-529	-38.3	225	111	-114
May	4,325	1,158	5,483	-511	-30.6	371	43	-328
June	4,334	1,525	5,860	-489	-24.3	408	33	-375
July	4,329	1,893	6,223	-408	-17.7	415	46	-369
August	4,326	2,240	6,566	-255	-10.2	396	50	-345
September	4,331	2,597	6,928	-205	-7.3	393	29	-364
October	4,329	2,800	7,128	-196	-6.6	272	68	-204
November	4,333	2,544	6,878	-184	-6.8	88	351	264
December	4,335	2,170	6,505	17	0.8	85	461	376
Total	—	—	—	—	—	2,872	2,883	11
1997								
January	4,334	1,497	5,831	36	2.4	59	732	672
February	4,336	1,154	5,491	135	13.3	49	405	356
March	4,331	985	5,316	230	30.4	124	280	156
April	^R 4,330	^R 1,048	^R 5,378	^R 197	^R 23.2	197	141	^R 55
May(STIFS)	^{RE} 4,330	^{RE} 1,405	^{RE} 5,735	^{RE} 248	^{RE} 21.4	NA	NA	^E 320
June(STIFS)	^E 4,330	^E 1,756	^E 6,086	^E 231	^E 15.1	NA	NA	^E 351

^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; and 1995 - 7,927.

^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 1991 through 1995 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.

Figure 5. Underground Natural Gas Storage in the United States, 1993-1997

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."

Table 10. Underground Natural Gas Storage - Interstate Operators of Storage Fields, 1991-1997

(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
1991 Total^a	2,571	1,985	4,556	-218	-9.9	1,904	2,015	111
1992 Total^a	2,652	1,819	4,471	-166	-8.4	1,838	1,940	102
1993 Total^a	2,939	1,531	4,470	-288	-15.8	1,911	1,894	-17
1994 Total^a	2,960	1,743	4,703	212	13.8	1,913	1,701	-213
1995								
January	2,957	1,336	4,293	330	32.8	27	449	422
February	2,958	956	3,914	276	40.6	20	404	384
March	2,955	804	3,759	228	39.6	66	225	159
April	2,954	845	3,799	97	13.0	122	78	-43
May	2,956	1,067	4,024	43	4.2	250	17	-233
June	2,962	1,324	4,287	55	4.3	292	23	-268
July	2,896	1,543	4,438	3	0.2	257	28	-229
August	2,893	1,700	4,593	-90	-5.0	208	45	-163
September	2,894	1,906	4,800	-86	-4.3	225	16	-209
October	2,891	2,016	4,907	-78	-3.7	162	48	-114
November	2,895	1,785	4,680	-226	-11.3	38	272	234
December	2,899	1,372	4,271	-371	-21.3	25	442	417
Total	—	—	—	—	—	1,692	2,048	356
1996								
January	2,897	913	3,810	-423	-31.7	23	483	460
February	2,894	617	3,511	-339	-35.5	60	359	299
March	2,855	432	3,287	-371	-46.2	44	269	225
April	2,868	500	3,368	-345	-40.8	152	73	-79
May	2,885	706	3,590	-362	-33.9	250	27	-223
June	2,893	971	3,864	-354	-26.7	286	16	-270
July	2,892	1,273	4,164	-270	-17.5	313	17	-296
August	2,889	1,551	4,440	-149	-8.8	291	14	-277
September	2,893	1,803	4,696	-103	-5.4	269	12	-257
October	2,893	1,927	4,820	-89	-4.4	170	46	-124
November	2,893	1,704	4,596	-81	-4.6	40	264	224
December	2,894	1,449	4,343	78	5.7	47	304	257
Total	—	—	—	—	—	1,946	1,884	-62
1997								
January	2,893	990	3,883	77	8.4	38	498	461
February	2,895	760	3,655	143	23.2	32	278	245
March	2,885	627	3,512	195	45.0	72	195	123
April	2,885	658	3,543	158	31.5	111	87	-24

^a Total as of December 31.

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1991 - 5,512; 1992 - 5,524; 1993 - 5,367; 1994 - 5,351; and 1995 - 5,314.

— = Not Applicable.

Notes: Data for 1991 through 1995 are final. All other data are preliminary unless otherwise noted. 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. 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," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 11. Underground Natural Gas Storage - Intrastate Operators and Independent Producers, 1991-1997
(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
1991 Total ^a	1,383	839	2,221	-25	-2.9	705	674	-31
1992 Total ^a	1,392	778	2,170	-61	-7.3	717	784	67
1993 Total ^a	1,388	791	2,179	13	1.7	826	802	-24
1994 Total ^a	1,400	864	2,263	73	9.2	882	807	-75
1995								
January	1,409	709	2,118	136	23.7	17	195	177
February	1,410	586	1,995	175	42.6	24	160	136
March	1,407	528	1,935	146	38.2	38	102	64
April	1,406	535	1,941	111	26.1	55	49	-6
May	1,437	601	2,037	70	13.3	120	17	-103
June	1,443	690	2,133	63	10.0	119	16	-102
July	1,444	759	2,203	25	3.4	102	25	-77
August	1,446	795	2,241	-22	-2.7	85	41	-44
September	1,447	896	2,343	-24	-2.6	118	14	-104
October	1,446	980	2,427	-1	-0.1	112	20	-91
November	1,447	944	2,390	-23	-2.4	57	95	38
December	1,450	782	2,232	-82	-9.5	28	192	165
Total	—	—	—	—	—	874	926	52
1996								
January	1,451	548	1,999	-161	-22.7	24	263	239
February	1,448	403	1,851	-183	-31.2	34	183	148
March	1,429	323	1,752	-205	-38.8	33	133	99
April	1,438	351	1,788	-184	-34.4	73	39	-34
May	1,440	452	1,892	-149	-24.8	121	17	-104
June	1,441	555	1,996	-135	-19.6	122	17	-105
July	1,438	621	2,058	-138	-18.2	102	29	-73
August	1,437	689	2,126	-106	-13.3	104	36	-69
September	1,438	794	2,232	-102	-11.4	124	17	-107
October	1,436	873	2,308	-108	-11.0	102	22	-80
November	1,441	841	2,282	-103	-10.9	48	87	39
December	1,441	721	2,162	-61	-7.8	39	157	119
Total	—	—	—	—	—	926	999	73
1997								
January	1,441	507	1,948	-41	-7.5	22	234	212
February	1,441	395	1,836	-8	-1.9	17	128	111
March	1,446	358	1,804	35	10.8	53	85	33
April	1,445	390	1,835	40	11.3	85	54	-31

^a Total as of December 31.

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1991 - 2,481; 1992 - 2,407; 1993 - 2,621; 1994 - 2,692.; and 1995 - 2,613.

— = Not Applicable.

Notes: Data for 1991 through 1995 are final. All other data are preliminary unless otherwise noted. 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. 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," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Net Withdrawals from Underground Storage, by State, 1995-1997
(Volumes in Million Cubic Feet)

State	1997				1996		
	April	March	February	January	Total	December	November
Alabama	-130	-25	184	531	-1,224	761	129
Arkansas	178	342	1,006	1,978	64	644	562
California	-19,220	-442	19,742	38,477	49,108	15,529	-3,042
Colorado	5,569	2,069	4,862	5,523	-414	2,998	130
Illinois	2,165	23,189	39,781	63,857	-15,745	35,297	15,621
Indiana	1,444	2,498	2,866	7,273	-1,644	3,270	-734
Iowa	1,359	2,953	8,469	15,926	-293	18,525	5,704
Kansas	-1,509	3,832	8,745	13,031	18,232	13,179	13,662
Kentucky	-349	4,047	7,810	17,627	-7,269	8,090	4,872
Louisiana	-4,291	-17,898	20,365	45,668	14,718	32,188	29,787
Maryland	133	1,903	2,662	5,873	-1,808	787	1,274
Michigan	-13,892	53,222	70,696	119,686	-36,637	82,503	60,584
Minnesota	-31	188	117	588	40	228	31
Mississippi	442	-2,306	2,924	12,169	-12,715	4,664	5,736
Missouri	56	1,174	-252	1,126	-67	74	305
Montana	1,810	2,591	3,983	5,608	11,680	5,505	4,755
Nebraska	-43	-241	504	867	-1,391	1,055	457
New Mexico	583	501	1,527	591	5,137	-856	552
New York	-1,691	9,133	10,041	17,495	-13,453	8,062	6,286
Ohio	-1,438	21,557	28,120	58,528	-10,813	34,940	25,546
Oklahoma	-7,517	-8,092	8,255	27,666	26,130	21,887	17,277
Oregon	543	920	1,078	1,341	1,405	1,240	552
Pennsylvania	-3,299	50,202	52,191	94,224	-58,979	25,007	33,479
Texas	-15,614	-20,402	24,285	48,252	61,749	24,219	12,159
Utah	-2,150	-2,620	2,520	8,931	12,955	9,164	4,651
Washington	-66	3,217	1,798	1,587	2,015	1,739	456
West Virginia	1,715	23,312	28,900	53,643	-34,526	21,796	19,966
Wyoming	127	1,082	2,976	4,361	5,056	3,529	2,903
Total	-55,115	155,907	356,154	672,425	11,311	376,021	263,660

See footnotes at end of table.

Table 12. Net Withdrawals from Underground Storage, by State, 1995-1997
(Volumes in Million Cubic Feet) — Continued

State	1996						
	October	September	August	July	June	May	April
Alabama	-117	-440	-395	-205	-670	-367	-153
Arkansas	-603	-1,153	-615	-744	-1,166	-1,302	-44
California	-6,542	-6,976	15,137	6,837	-9,894	-23,726	-12,087
Colorado	-36	-3,793	-3,703	-5,336	-5,026	-2,247	1,308
Illinois	-28,518	-36,920	-35,442	-35,741	-32,391	-27,002	-3,163
Indiana	-2,706	-3,932	-6,158	-4,335	-2,421	-161	990
Iowa	-10,667	-12,673	-13,268	-12,464	-7,692	-1,625	2,012
Kansas	-5,835	-8,542	-8,116	-7,168	-12,110	-7,724	-5,531
Kentucky	-2,825	-8,596	-10,080	-13,360	-14,232	-6,228	395
Louisiana	-13,921	-32,347	-32,118	-28,952	-15,803	-12,312	-1,310
Maryland	-1,580	-1,699	-1,869	-1,912	-2,655	-2,189	71
Michigan	-50,388	-79,575	-82,659	-80,378	-79,051	-58,348	-14,604
Minnesota	-33	-202	-210	-287	-294	-366	-88
Mississippi	-3,365	-7,335	-7,882	-8,093	-6,681	-2,478	-4,093
Missouri	-210	-204	-206	-240	-261	-1,319	293
Montana	336	-3,519	-3,502	-3,261	-3,578	780	645
Nebraska	572	-744	-1,277	-1,132	-1,826	-1,535	-287
New Mexico	488	-1,850	366	812	49	32	496
New York	-2,599	-7,346	-12,590	-12,965	-12,170	-13,343	-2,714
Ohio	-13,626	-23,686	-29,401	-35,840	-36,903	-29,890	-8,654
Oklahoma	-11,668	-18,436	-14,723	-7,777	-11,641	-18,357	-4,610
Oregon	207	-104	-437	-1,133	-1,173	-723	132
Pennsylvania	-15,457	-37,736	-52,148	-69,635	-62,217	-46,405	-22,349
Texas	-22,471	-34,375	-17,650	-2,753	-14,053	-28,106	-22,815
Utah	1,416	-2,204	-3,884	-6,821	-6,742	-5,533	-188
Washington	1,642	-599	-1,966	-936	-3,317	-1,974	-359
West Virginia	-15,212	-28,076	-19,867	-32,607	-29,512	-32,729	-16,154
Wyoming	-272	-613	-771	-2,160	-1,760	-2,704	-644
Total	-203,992	-363,677	-345,434	-368,585	-375,191	-327,881	-113,507

See footnotes at end of table.

Table 12. Net Withdrawals from Underground Storage, by State, 1995-1997

(Volumes in Million Cubic Feet) — Continued

State	1996			1995			
	March	February	January	Total	December	November	October
Alabama	162	17	54	73	400	189	73
Arkansas	1,259	1,115	2,112	709	2,149	618	80
California	1,292	25,281	47,300	-27,358	25,933	-1,980	-18,197
Colorado	5,105	1,486	8,699	-3,152	5,194	-1,616	-1,296
Illinois	23,029	41,246	68,239	22,981	51,971	18,278	-38,814
Indiana	3,541	3,831	7,170	711	4,401	-844	-4,448
Iowa	6,372	8,820	16,663	6,443	17,220	12,827	-7,844
Kansas	10,743	7,491	28,184	4,875	16,419	7,352	-10,864
Kentucky	7,956	12,252	14,488	7,178	11,394	9,279	-2,526
Louisiana	24,547	23,515	41,445	52,753	46,245	24,216	-14,079
Maryland	1,500	2,677	3,787	4,049	3,350	689	-1,123
Michigan	51,244	82,900	131,134	117,409	115,938	66,298	-32,377
Minnesota	222	260	781	104	245	2	-6
Mississippi	6,048	3,026	7,739	7,783	6,445	9,486	-2,596
Missouri	379	-100	1,423	-197	330	-165	-124
Montana	3,877	3,437	6,207	3,599	5,251	3,048	554
Nebraska	763	718	1,845	5,844	1,597	1,602	745
New Mexico	2,160	1,575	1,312	2,273	1,527	1,120	-20
New York	9,001	12,727	14,199	14,746	17,605	9,671	-1,689
Ohio	29,036	33,716	43,949	38,862	43,090	24,176	-8,835
Oklahoma	16,897	23,857	33,424	19,264	24,431	8,327	-13,868
Oregon	651	940	1,252	-880	822	58	0
Pennsylvania	43,702	64,404	80,378	63,786	78,025	45,269	-22,123
Texas	43,560	49,234	74,801	26,165	49,476	11,542	-9,871
Utah	2,388	8,372	12,335	-118	9,829	-1,367	-528
Washington	536	762	6,031	-2,363	1,015	-67	100
West Virginia	27,054	30,565	40,250	41,129	39,382	23,047	-14,545
Wyoming	1,095	3,044	3,410	1,552	2,100	768	-1,125
Total	324,117	447,168	698,611	408,220	581,782	271,826	-205,344

See footnotes at end of table.

Table 12. Net Withdrawals from Underground Storage, by State, 1995-1997
(Volumes in Million Cubic Feet) — Continued

State	1995					
	September	August	July	June	May	April
Alabama	-592	-218	-35	-42	-27	0
Arkansas	-157	-1,390	-1,494	-1,312	-211	130
California	-15,258	1,565	-13,534	-26,115	-26,521	2,818
Colorado	-2,943	-4,401	-6,280	-6,269	-2,314	4,568
Illinois	-39,267	-39,596	-37,156	-35,273	-34,672	5,540
Indiana	-4,766	-3,727	-2,861	-1,793	-310	682
Iowa	-13,599	-17,800	-12,204	-9,889	-5,203	643
Kansas	-16,412	-166	-4,798	-12,637	-9,576	-1,386
Kentucky	-6,766	-3,846	-6,815	-7,626	-12,777	-3,476
Louisiana	-23,381	-1,207	-20,851	-27,559	-18,801	-9,723
Maryland	-2,041	-1,114	332	-2,042	-2,010	415
Michigan	-52,235	-54,249	-74,318	-65,350	-53,113	718
Minnesota	-241	-234	-306	-262	-331	44
Mississippi	-6,289	-740	-4,190	-1,631	-7,164	-4,722
Missouri	-463	-349	11	9	-621	271
Montana	-1,096	-3,206	-2,917	-2,140	-1,280	-798
Nebraska	-385	-177	-278	-866	-643	200
New Mexico	-505	1,063	-41	-1,130	-1,245	-233
New York	-8,910	-8,274	-7,285	-11,189	-8,564	-600
Ohio	-18,579	-23,432	-30,964	-31,750	-28,031	5,084
Oklahoma	-7,816	2,877	-7,322	-14,113	-17,831	-4,739
Oregon	-486	0	-695	-1,034	-1,179	-867
Pennsylvania	-44,608	-41,423	-35,648	-54,283	-43,325	-12,857
Texas	-22,880	6,956	-3,685	-22,690	-28,366	-24,870
Utah	-1,489	-3,512	-7,217	-6,043	-3,519	-1,003
Washington	-2,494	271	-1,413	-1,551	-2,570	-233
West Virginia	-17,855	-8,978	-22,284	-24,564	-24,639	-5,825
Wyoming	-1,841	-1,566	-1,580	-1,447	-416	817
Total	-313,356	-206,873	-305,827	-370,592	-335,260	-49,401

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 for 1995 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.

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

**Table 13. Activities of Underground Natural Gas Storage Operators, by State,
April 1997**
(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	559	1,749	203	57.1	168	38
Arkansas	31,871	12,052	1,408	13,460	NA	NA	138	316
California	469,696	247,419	101,269	348,687	-25,884	-20.4	21,731	2,511
Colorado	99,600	47,902	12,223	60,125	-1,164	-8.7	1,169	6,739
Illinois	898,239	651,468	72,568	724,035	13,414	22.7	10,941	13,106
Indiana	113,210	75,875	18,409	94,284	1,806	10.9	546	1,990
Iowa	270,200	200,700	8,299	208,999	3,638	78.1	260	1,619
Kansas	285,202	179,410	35,838	215,249	1,906	5.6	10,582	9,073
Kentucky	216,351	107,248	54,694	161,942	12,129	28.5	3,464	3,115
Louisiana	554,982	268,474	86,610	355,084	33,587	63.3	20,058	15,767
Maryland	62,000	46,677	2,357	49,035	-728	-23.6	712	844
Michigan	1,048,577	420,377	200,978	621,355	56,957	39.5	30,956	17,064
Minnesota	7,000	4,623	1,208	5,831	273	29.2	173	142
Mississippi	134,012	77,151	31,949	109,100	12,476	64.1	3,099	3,540
Missouri	31,126	21,600	6,889	28,489	-42	-0.6	466	523
Montana	375,010	167,388	43,982	211,370	-12,320	-21.9	576	2,386
Nebraska	39,469	31,507	862	32,369	862	0.0	611	568
New Mexico	96,600	24,642	4,275	28,917	404	10.4	351	934
New York	173,979	103,540	22,304	125,843	8,086	56.9	4,101	2,411
Ohio	557,452	351,072	15,674	366,747	-449	-2.8	11,503	10,065
Oklahoma	395,087	230,490	51,056	281,546	22,527	79.0	14,039	6,521
Oregon	11,623	4,896	1,085	5,981	-2,312	-68.1	0	543
Pennsylvania	680,006	356,390	110,008	466,398	33,854	44.5	20,675	17,376
Texas	672,534	253,798	111,024	364,822	30,486	37.9	28,428	12,814
Utah	121,980	62,100	11,029	73,129	2,223	25.2	3,658	1,507
Washington	37,300	22,096	3,273	25,369	-1,508	-31.5	1,041	975
West Virginia	484,597	298,982	27,299	326,282	12,263	81.6	6,713	8,427
Wyoming	105,869	60,612	10,793	71,404	-6,636	-38.1	371	499
Total	7,976,851	4,329,680	1,047,920	5,377,600	197,308	23.2	196,529	141,414

NA = Not Available.

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.

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

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1995-1997
(Million Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997		
				March	February	January
Alabama	23,762	30,617	25,123	5,337	9,116	9,309
Alaska	5,634	6,391	5,895	1,207	2,025	2,402
Arizona	15,609	13,171	12,953	4,296	5,250	6,063
Arkansas	20,970	23,910	20,189	4,939	7,749	8,281
California	190,150	177,087	182,584	48,372	66,682	75,096
Colorado	NA	52,958	43,573	NA	NA	NA
Connecticut	17,969	21,550	18,591	5,176	6,538	6,255
Delaware	4,431	5,184	4,263	1,265	1,614	1,552
District of Columbia	7,412	8,859	7,619	2,049	2,655	2,708
Florida	5,505	7,488	6,287	1,277	2,065	2,164
Georgia	46,295	60,665	49,772	8,953	15,912	21,429
Hawaii	145	152	157	45	49	51
Idaho	7,009	6,725	5,638	1,909	2,541	2,560
Illinois	230,646	248,473	218,268	61,373	69,290	99,983
Indiana	79,868	87,239	75,347	20,713	26,330	32,825
Iowa	38,970	52,650	35,504	9,526	11,879	17,565
Kansas	36,687	43,407	35,020	8,783	12,125	15,778
Kentucky	29,674	35,711	30,618	7,255	8,918	13,500
Louisiana	24,566	30,183	25,090	5,666	9,065	9,835
Maine	441	439	381	142	133	166
Maryland	NA	42,495	35,130	NA	NA	NA
Massachusetts	NA	54,574	48,371	15,090	17,611	NA
Michigan	175,533	189,520	168,403	51,246	57,485	66,801
Minnesota	62,702	66,929	56,654	16,969	19,977	25,755
Mississippi	NA	15,858	13,823	NA	^a 4,422	5,049
Missouri	64,272	107,940	61,839	15,404	23,399	25,469
Montana	9,398	9,427	7,912	2,468	3,037	3,893
Nebraska	23,598	22,098	21,328	6,232	7,830	9,536
Nevada	11,467	9,911	9,218	3,172	3,825	4,470
New Hampshire	3,110	3,337	2,954	913	1,136	1,061
New Jersey	95,948	106,569	89,625	29,262	34,709	31,977
New Mexico	17,053	15,677	12,002	3,862	5,739	7,451
New York	NA	186,467	169,970	NA	NA	NA
North Carolina	25,860	32,395	25,617	5,810	10,001	10,049
North Dakota	5,873	5,728	5,040	1,576	1,984	2,313
Ohio	162,836	177,965	162,648	44,087	52,418	66,331
Oklahoma	35,616	39,423	34,648	9,054	12,665	13,896
Oregon	15,516	14,603	12,305	4,350	5,308	5,857
Pennsylvania	120,878	135,499	120,450	33,554	41,308	46,015
Rhode Island	8,242	9,125	7,591	2,462	2,891	2,890
South Carolina	12,566	16,133	13,650	2,568	4,948	5,050
South Dakota	6,449	6,434	5,516	1,625	2,089	2,735
Tennessee	NA	37,662	31,411	NA	11,985	12,689
Texas	110,088	108,818	94,360	25,405	36,868	47,816
Utah	NA	22,545	19,184	5,945	^a 8,366	^a 9,876
Vermont	NA	1,240	1,057	NA	416	419
Virginia	33,693	39,980	32,988	9,143	11,396	13,154
Washington	NA	26,763	22,924	8,132	NA	10,885
West Virginia	NA	19,036	16,921	4,229	^a 4,898	5,925
Wisconsin	NA	68,155	58,677	16,912	19,840	NA
Wyoming	NA	6,257	4,986	725	^a 955	1,150
Total	2,279,733	2,464,463	2,170,071	602,847	^a767,534	^a909,352

See footnotes at end of table.

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996					
	Total	December	November	October	September	August
Alabama	56,666	6,687	3,421	1,652	1,325	1,231
Alaska	16,179	2,181	1,708	1,238	589	544
Arizona	28,056	4,101	2,351	1,096	911	845
Arkansas	46,354	6,294	3,773	1,427	1,045	956
California	473,940	62,990	43,757	30,502	26,139	21,785
Colorado	111,045	15,832	9,582	4,891	2,776	2,508
Connecticut	43,764	5,842	3,522	1,840	992	954
Delaware	9,809	1,180	628	294	183	177
District of Columbia	17,482	2,432	1,266	584	405	384
Florida	16,381	1,650	975	754	691	659
Georgia	126,338	18,438	14,572	5,740	3,081	2,956
Hawaii	537	44	41	39	41	40
Idaho	14,936	2,224	1,570	646	363	277
Illinois	537,535	80,827	63,646	28,056	13,127	9,539
Indiana	181,822	27,844	18,565	8,114	3,509	3,115
Iowa	87,818	14,101	9,753	3,606	1,950	1,606
Kansas	85,074	14,383	9,474	3,058	1,994	1,623
Kentucky	^a 71,001	10,309	9,129	3,075	1,418	1,276
Louisiana	57,043	6,217	3,537	2,118	1,900	1,835
Maine	971	120	105	67	28	23
Maryland	85,401	11,460	7,816	3,674	2,244	1,979
Massachusetts	^a 114,318	13,940	10,012	5,047	2,696	2,480
Michigan	399,531	52,719	38,855	18,527	9,069	7,303
Minnesota	140,631	21,857	14,969	6,616	2,929	2,401
Mississippi	30,201	3,678	1,878	928	879	770
Missouri	137,214	20,538	11,686	4,321	2,749	2,447
Montana	22,602	3,351	2,511	1,306	648	439
Nebraska	46,714	7,347	4,079	2,192	974	884
Nevada	^a 22,607	^a 3,386	2,069	894	732	678
New Hampshire	7,015	855	667	312	169	155
New Jersey	^a 215,617	^a 29,469	^a 18,609	^a 9,747	4,811	4,634
New Mexico	35,932	6,025	3,925	1,415	898	889
New York	NA	NA	NA	NA	NA	NA
North Carolina	59,590	8,722	4,520	1,724	918	874
North Dakota	12,358	1,855	1,087	469	227	209
Ohio	375,884	52,532	38,603	18,996	7,156	6,423
Oklahoma	76,356	11,256	5,700	2,259	1,699	1,509
Oregon	33,224	5,198	3,163	1,357	820	673
Pennsylvania	275,013	37,266	25,929	12,899	5,623	5,275
Rhode Island	18,173	2,350	1,416	738	509	450
South Carolina	29,129	4,295	2,148	792	472	415
South Dakota	14,089	2,243	1,414	578	320	231
Tennessee	69,730	9,897	5,889	1,969	1,185	1,098
Texas	228,628	33,800	17,731	9,406	7,454	6,493
Utah	54,344	8,203	5,749	4,215	2,540	1,416
Vermont	2,523	302	208	100	56	47
Virginia	76,818	11,007	7,430	2,895	1,422	1,432
Washington	62,652	9,780	6,191	2,923	1,568	1,270
West Virginia	37,175	5,136	3,371	1,600	692	534
Wisconsin	147,984	21,279	16,720	7,304	3,129	2,859
Wyoming	14,755	1,901	1,454	1,185	401	289
Total	^a5,234,445	^a739,817	^a501,947	^a242,746	137,199	117,658

See footnotes at end of table.

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996					
	July	June	May	April	March	February
Alabama	1,300	1,477	2,958	6,343	8,079	11,261
Alaska	493	647	964	1,424	1,918	2,419
Arizona	928	1,102	1,345	2,182	3,408	4,274
Arkansas	931	1,204	1,970	4,853	6,155	8,725
California	18,672	26,029	30,042	36,771	52,297	58,085
Colorado	2,872	4,320	6,909	11,539	14,701	17,499
Connecticut	1,088	1,274	2,303	4,399	6,245	7,147
Delaware	198	313	523	1,129	1,522	1,941
District of Columbia	417	588	816	1,731	2,402	3,117
Florida	741	787	1,016	1,640	2,062	2,575
Georgia	3,166	3,103	4,251	9,817	17,770	19,247
Hawaii	42	45	44	49	52	51
Idaho	300	542	976	1,314	1,847	2,509
Illinois	11,341	12,429	27,148	43,168	71,301	81,128
Indiana	3,268	4,511	8,914	16,810	24,959	28,883
Iowa	1,657	2,336	4,173	6,925	11,795	13,686
Kansas	1,786	1,739	3,050	6,272	11,160	13,709
Kentucky	1,129	*1,331	2,278	5,612	10,268	11,352
Louisiana	1,832	1,980	2,579	5,193	7,557	10,352
Maine	25	29	53	81	137	143
Maryland	2,054	2,631	4,077	7,237	11,845	14,351
Massachusetts	2,834	3,958	*7,621	11,645	16,649	18,583
Michigan	7,660	10,627	24,651	40,297	57,657	63,694
Minnesota	2,549	3,659	7,237	12,091	18,871	22,363
Mississippi	815	838	1,364	3,170	3,846	5,892
Missouri	2,687	3,404	6,251	13,132	18,851	24,496
Montana	470	753	1,438	2,087	2,701	3,568
Nebraska	937	1,373	2,434	4,435	6,165	8,165
Nevada	779	1,011	1,264	1,884	2,903	3,264
New Hampshire	159	233	429	698	998	1,147
New Jersey	5,016	5,832	10,716	20,214	30,417	35,838
New Mexico	1,727	1,812	654	2,763	3,300	4,941
New York	10,183	14,050	25,108	41,145	59,700	61,146
North Carolina	901	1,226	2,160	6,272	7,490	11,875
North Dakota	213	399	818	1,348	1,640	2,160
Ohio	7,343	10,325	17,688	34,545	54,282	58,678
Oklahoma	1,622	1,981	3,309	7,669	10,126	14,443
Oregon	838	1,386	2,299	2,820	4,041	5,584
Pennsylvania	5,597	7,833	13,620	25,579	39,695	45,391
Rhode Island	484	692	1,216	1,831	2,664	3,119
South Carolina	421	542	945	2,968	3,706	5,887
South Dakota	239	464	803	1,367	1,865	2,221
Tennessee	1,158	1,319	2,339	7,012	9,454	13,711
Texas	7,173	7,783	9,595	19,163	28,188	35,810
Utah	1,533	1,351	2,252	4,540	5,419	8,571
Vermont	51	85	167	268	354	418
Virginia	1,510	2,100	2,550	6,609	11,307	13,807
Washington	1,624	2,626	4,463	5,445	7,639	10,136
West Virginia	586	812	1,642	3,855	5,463	6,564
Wisconsin	2,947	4,584	8,023	12,785	20,340	22,584
Wyoming	298	556	1,005	1,409	1,703	2,373
Total	124,594	*162,036	*270,452	473,531	704,913	828,884

See footnotes at end of table.

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996	1995				
	January	Total	December	November	October	September
Alabama	10,931	49,570	7,563	3,902	1,542	1,279
Alaska	2,054	15,231	2,294	1,411	866	588
Arizona	5,511	26,893	3,154	1,554	1,027	878
Arkansas	9,021	41,107	7,034	3,522	1,295	1,042
California	66,870	477,495	56,731	33,646	24,743	22,148
Colorado	17,616	104,286	12,262	8,830	5,456	2,773
Connecticut	8,159	40,824	6,389	3,449	1,479	1,035
Delaware	1,721	8,505	1,231	601	230	176
District of Columbia	3,339	15,690	2,579	1,246	452	401
Florida	2,832	14,540	1,785	1,004	668	729
Georgia	24,195	114,670	21,351	14,965	6,067	3,319
Hawaii	49	574	45	43	44	45
Idaho	2,368	13,003	1,748	1,364	628	304
Illinois	95,825	500,796	81,457	64,407	26,650	13,730
Indiana	33,330	161,059	26,875	18,305	6,884	3,627
Iowa	16,229	82,238	14,248	11,222	3,803	1,814
Kansas	16,827	75,846	13,608	6,757	3,440	1,847
Kentucky	13,824	66,149	12,325	9,224	3,130	1,338
Louisiana	11,944	52,603	7,401	4,391	2,073	1,816
Maine	159	913	151	97	48	31
Maryland	16,033	76,552	12,985	7,601	2,927	2,094
Massachusetts	18,852	105,795	15,933	9,090	3,958	2,664
Michigan	68,472	380,025	61,290	39,707	17,636	9,901
Minnesota	25,091	128,736	21,117	14,915	6,969	3,271
Mississippi	6,143	26,960	4,212	2,326	631	476
Missouri	26,652	125,110	19,696	11,325	4,259	2,842
Montana	3,330	19,640	2,697	2,248	1,376	666
Nebraska	7,729	45,054	6,188	4,132	1,577	1,051
Nevada	3,744	20,686	2,357	1,349	817	677
New Hampshire	1,193	6,507	991	550	254	175
New Jersey	40,315	194,432	33,195	18,422	7,195	4,957
New Mexico	7,581	28,770	4,649	3,027	1,319	814
New York	68,834	375,005	56,841	32,655	13,159	9,330
North Carolina	12,907	49,379	8,581	4,445	1,402	938
North Dakota	1,932	11,209	1,695	1,095	424	252
Ohio	69,313	357,754	59,871	40,926	17,326	7,397
Oklahoma	14,782	68,702	9,769	5,029	2,526	1,715
Oregon	5,046	28,067	3,952	2,620	1,128	687
Pennsylvania	50,305	262,126	44,456	27,801	10,640	5,805
Rhode Island	2,704	17,342	2,634	1,336	672	474
South Carolina	6,539	25,164	4,422	2,262	646	475
South Dakota	2,343	12,610	1,828	1,332	705	307
Tennessee	14,700	59,994	9,171	7,624	1,801	1,065
Texas	46,031	206,415	30,741	17,917	8,860	7,378
Utah	8,555	48,975	7,214	4,684	3,857	1,970
Vermont	467	2,299	353	176	86	54
Virginia	14,750	68,712	12,753	7,059	2,245	1,383
Washington	8,988	52,763	7,611	5,683	2,444	1,411
West Virginia	6,918	35,379	5,867	3,626	1,441	740
Wisconsin	25,431	136,012	22,980	16,784	7,000	3,699
Wyoming	2,182	12,152	NA	NA	NA	NA
Total	930,666	4,850,318	757,844	488,812	216,412	133,951

^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 15. Natural Gas Deliveries to Commercial Consumers, by State, 1995-1997
(Million Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997		
				March	February	January
Alabama	10,902	13,003	11,169	2,614	4,064	4,224
Alaska	7,605	9,465	8,035	2,075	2,488	3,042
Arizona	10,703	9,779	9,520	3,184	3,621	3,897
Arkansas	13,006	14,561	12,035	3,150	4,732	5,124
California	75,687	68,338	80,976	23,659	26,160	25,868
Colorado	NA	29,781	26,461	NA	NA	NA
Connecticut	15,940	16,308	15,349	4,798	5,347	5,794
Delaware	2,858	3,180	2,618	844	1,019	995
District of Columbia	6,778	5,645	6,952	2,165	2,299	2,314
Florida	11,234	13,101	12,534	3,289	3,841	4,104
Georgia	21,186	25,890	22,367	4,822	7,855	8,509
Hawaii	556	570	566	180	188	188
Idaho	4,951	4,887	4,227	1,348	1,786	1,817
Illinois	90,484	94,905	88,215	23,407	30,011	37,066
Indiana	38,822	41,868	36,156	10,420	12,753	15,648
Iowa	22,920	24,521	21,027	5,750	7,047	10,123
Kansas	21,552	23,115	19,013	6,104	8,255	7,193
Kentucky	16,853	19,207	17,234	4,081	5,467	7,305
Louisiana	11,633	10,762	9,168	3,678	^a 3,593	4,362
Maine	1,158	1,156	1,011	378	348	433
Maryland	NA	20,231	19,041	NA	NA	NA
Massachusetts	NA	36,699	31,831	11,671	13,903	NA
Michigan	86,594	89,793	81,148	25,640	28,395	32,559
Minnesota	41,073	42,911	38,513	12,027	13,432	15,614
Mississippi	NA	9,399	8,005	^a 2,372	^a 2,853	3,278
Missouri	33,370	34,147	30,052	7,974	12,834	12,562
Montana	6,154	6,224	5,330	1,652	1,948	2,554
Nebraska	18,159	14,149	8,715	4,111	8,086	5,963
Nevada	7,827	6,912	6,558	2,456	2,644	2,727
New Hampshire	3,106	3,232	2,842	954	1,079	1,073
New Jersey	54,072	64,864	57,802	19,888	14,211	19,973
New Mexico	11,459	10,097	8,631	3,045	4,095	4,319
New York	NA	NA	85,855	NA	NA	NA
North Carolina	15,743	19,650	16,111	3,812	5,861	6,070
North Dakota	5,274	5,211	4,939	1,410	1,881	1,984
Ohio	84,024	89,900	79,980	23,197	28,164	32,664
Oklahoma	19,790	20,436	17,520	5,001	7,126	7,663
Oregon	10,781	10,276	8,785	3,078	3,689	4,014
Pennsylvania	60,094	70,796	58,947	17,923	19,621	22,550
Rhode Island	5,179	5,516	4,639	1,740	1,745	1,695
South Carolina	7,244	7,932	7,337	1,801	2,667	2,776
South Dakota	4,890	4,997	4,425	1,236	1,608	2,046
Tennessee	NA	25,953	22,564	NA	9,422	9,020
Texas	NA	72,674	65,512	NA	20,898	NA
Utah	NA	12,285	10,516	3,376	^a 4,490	^a 5,070
Vermont	NA	1,295	1,147	NA	444	477
Virginia	23,722	23,472	22,853	7,209	7,878	8,636
Washington	NA	18,669	16,722	5,641	NA	7,492
West Virginia	NA	13,466	10,370	2,807	^a 3,276	3,874
Wisconsin	NA	42,265	35,098	NA	12,679	NA
Wyoming	NA	4,863	4,135	915	^a 883	995
Total	1,262,668	1,315,881	1,180,555	356,895	^a425,545	^a480,227

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996					
	Total	December	November	October	September	August
Alabama	29,003	3,093	2,032	1,437	1,232	1,158
Alaska	24,990	2,873	2,405	2,016	1,368	1,177
Arizona	29,268	3,290	2,485	1,764	1,696	1,769
Arkansas	31,116	3,878	2,464	1,357	1,197	1,061
California	233,665	24,665	21,161	18,637	17,456	17,453
Colorado	69,252	9,071	5,821	3,431	2,224	2,141
Connecticut	39,730	4,900	3,110	2,397	1,817	1,711
Delaware	6,678	788	496	278	224	204
District of Columbia	16,219	2,322	1,190	798	768	746
Florida	41,667	3,972	3,162	2,942	2,827	2,703
Georgia	60,854	7,371	5,414	3,302	2,701	2,613
Hawaii	2,115	175	158	169	170	165
Idaho	11,526	1,625	1,110	598	422	355
Illinois	215,307	32,478	25,266	12,121	7,149	5,332
Indiana	91,872	13,655	9,723	4,238	2,602	2,440
Iowa	53,929	8,483	5,879	2,103	1,925	1,077
Kansas	58,010	9,333	4,839	2,000	1,300	3,762
Kentucky	41,343	5,934	4,493	2,261	1,224	1,150
Louisiana	^R 25,960	^R 2,458	^R 1,696	1,405	1,327	1,332
Maine	2,566	310	280	172	78	75
Maryland	47,734	6,148	4,987	2,580	1,969	1,823
Massachusetts	95,814	11,764	9,749	5,415	4,783	4,272
Michigan	204,406	26,447	19,774	9,695	6,345	5,574
Minnesota	96,799	14,546	10,462	5,093	2,726	2,283
Mississippi	22,724	2,376	1,753	1,111	1,099	1,221
Missouri	73,184	10,251	6,170	2,979	2,251	2,375
Montana	14,943	2,189	1,725	848	499	375
Nebraska	41,000	5,074	3,713	2,852	2,345	2,556
Nevada	19,969	2,388	1,778	1,236	1,088	1,036
New Hampshire	6,954	873	661	344	196	186
New Jersey	^R 146,937	^R 18,703	^R 12,497	^R 7,674	5,325	5,490
New Mexico	27,775	3,682	2,547	1,429	1,140	1,457
New York	NA	NA	NA	NA	NA	NA
North Carolina	41,811	5,435	3,340	1,979	1,711	1,625
North Dakota	12,098	1,746	1,103	562	346	307
Ohio	189,648	26,180	18,193	8,717	4,129	4,490
Oklahoma	43,285	5,760	3,100	1,721	1,591	1,509
Oregon	25,553	3,589	2,310	1,303	1,021	904
Pennsylvania	155,253	21,487	14,218	7,701	4,297	5,633
Rhode Island	11,734	1,286	969	643	574	442
South Carolina	20,652	2,414	1,631	1,150	1,033	950
South Dakota	11,604	1,813	1,238	571	353	283
Tennessee	56,806	6,505	4,976	2,853	2,420	1,990
Texas	NA	21,396	17,363	NA	13,418	NA
Utah	29,544	4,228	3,191	2,077	1,282	876
Vermont	2,850	351	279	164	91	69
Virginia	58,649	7,512	5,771	3,373	2,464	2,085
Washington	48,167	6,633	4,495	2,705	1,923	1,696
West Virginia	29,288	3,500	2,611	1,715	1,250	1,331
Wisconsin	94,566	13,530	11,157	4,538	2,556	2,363
Wyoming	17,081	3,889	2,457	1,395	351	279
Total	^R 3,203,405	^R 415,252	^R 298,925	^R 176,293	130,066	127,338

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996					
	July	June	May	April	March	February
Alabama	1,192	1,252	1,722	2,866	3,714	4,775
Alaska	1,125	1,247	1,558	2,084	2,778	3,264
Arizona	1,796	2,014	2,129	2,555	3,012	3,136
Arkansas	1,057	1,053	1,520	2,966	3,897	5,251
California	17,060	15,671	16,245	17,216	21,546	23,078
Colorado	2,393	3,057	4,431	6,997	8,908	10,393
Connecticut	1,967	1,745	2,247	3,528	4,844	5,472
Delaware	203	246	366	694	889	1,186
District of Columbia	800	824	1,233	1,893	1,537	1,952
Florida	2,822	3,015	3,321	3,899	4,142	4,248
Georgia	2,730	2,499	3,274	5,371	7,474	8,401
Hawaii	174	175	171	189	182	190
Idaho	347	479	711	996	1,363	1,785
Illinois	5,446	5,713	9,682	17,310	26,484	32,431
Indiana	2,307	2,789	4,497	7,988	11,920	13,850
Iowa	1,212	1,629	2,572	4,548	7,047	8,289
Kansas	3,530	1,989	3,232	4,911	6,616	7,729
Kentucky	1,059	1,080	1,544	3,341	5,578	6,364
Louisiana	1,277	1,511	1,682	2,401	3,039	3,876
Maine	74	82	132	208	356	386
Maryland	1,728	1,843	2,529	3,912	5,753	6,627
Massachusetts	3,744	4,200	6,576	8,952	11,127	12,640
Michigan	5,858	6,541	12,480	19,934	28,197	30,779
Minnesota	2,346	3,024	5,314	8,731	12,796	13,776
Mississippi	1,179	1,091	1,280	2,024	2,607	3,404
Missouri	2,307	2,395	3,583	6,656	9,543	11,719
Montana	386	508	861	1,330	1,761	2,276
Nebraska	3,631	1,499	1,958	3,223	4,055	4,681
Nevada	1,099	1,257	1,420	1,769	2,219	2,262
New Hampshire	172	237	399	654	963	1,118
New Jersey	5,454	5,697	8,016	14,342	17,802	22,520
New Mexico	1,514	1,721	1,549	2,569	2,617	3,427
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,458	1,635	2,031	3,871	4,994	6,615
North Dakota	294	528	747	1,256	1,499	1,861
Ohio	4,662	7,635	8,922	16,758	26,529	29,596
Oklahoma	1,626	1,663	2,043	4,102	5,228	7,469
Oregon	966	1,302	1,781	2,056	2,895	3,900
Pennsylvania	4,271	5,389	7,903	13,699	20,751	23,598
Rhode Island	419	445	757	996	1,605	1,917
South Carolina	927	1,270	1,424	1,858	2,160	2,743
South Dakota	288	386	619	1,059	1,487	1,685
Tennessee	1,964	2,165	2,690	5,241	7,173	9,108
Texas	15,399	15,909	18,409	21,434	26,607	20,625
Utah	906	894	1,354	2,475	3,124	4,596
Vermont	68	98	155	282	384	449
Virginia	2,571	2,998	3,407	5,062	7,205	7,874
Washington	1,859	2,669	3,430	4,143	5,445	6,843
West Virginia	1,393	1,141	1,596	2,573	3,522	4,103
Wisconsin	2,016	3,092	5,100	7,921	12,341	13,930
Wyoming	271	504	1,348	1,724	1,465	1,714
Total	128,396	137,999	187,084	286,171	391,223	442,864

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996	1995				
	January	Total	December	November	October	September
Alabama	4,529	26,232	3,502	2,177	1,323	1,139
Alaska	3,096	24,979	3,190	2,461	1,846	1,366
Arizona	3,620	28,329	2,802	2,056	1,702	1,652
Arkansas	5,414	27,411	4,311	2,265	1,183	1,060
California	23,477	279,606	26,152	22,818	21,272	19,391
Colorado	10,385	66,657	7,282	5,703	3,787	2,210
Connecticut	5,992	37,890	4,491	2,808	1,850	1,762
Delaware	1,104	5,743	851	417	209	205
District of Columbia	2,156	17,045	2,194	1,116	794	766
Florida	4,613	40,459	3,883	3,171	2,840	2,818
Georgia	9,702	56,538	8,062	5,706	3,379	2,450
Hawaii	198	2,199	177	178	179	179
Idaho	1,735	10,380	1,300	997	591	392
Illinois	35,894	203,833	30,734	22,408	11,880	6,984
Indiana	15,863	82,825	13,009	9,142	4,181	2,645
Iowa	9,164	50,329	8,170	5,952	3,021	1,701
Kansas	8,771	53,124	9,850	4,066	2,903	2,921
Kentucky	7,315	38,613	6,426	4,746	1,892	1,247
Louisiana	3,956	23,854	2,613	1,823	1,410	1,327
Maine	413	2,426	389	254	129	86
Maryland	7,835	46,924	7,538	4,871	1,907	2,065
Massachusetts	12,591	82,282	11,594	7,597	4,026	3,525
Michigan	32,781	194,105	29,922	19,742	9,647	6,417
Minnesota	15,703	90,684	13,839	10,937	5,456	2,864
Mississippi	3,581	20,171	2,627	1,693	1,013	1,023
Missouri	12,936	65,092	9,698	5,747	2,756	2,119
Montana	2,185	13,497	1,898	1,454	899	520
Nebraska	5,413	40,044	NA	NA	NA	NA
Nevada	2,418	18,812	1,871	1,444	1,151	1,009
New Hampshire	1,151	6,515	989	620	285	197
New Jersey	23,419	138,971	20,914	10,830	6,263	5,734
New Mexico	4,123	24,007	2,920	2,149	1,330	1,193
New York	NA	231,479	30,309	22,325	13,394	10,619
North Carolina	7,117	37,371	5,279	3,263	1,740	1,597
North Dakota	1,850	11,656	1,723	1,209	549	333
Ohio	33,837	175,347	27,649	18,650	7,916	4,623
Oklahoma	7,474	39,756	5,164	3,020	1,836	1,903
Oregon	3,526	22,437	2,837	2,010	1,166	979
Pennsylvania	26,306	143,744	22,596	19,918	6,583	4,210
Rhode Island	1,682	12,066	1,523	1,216	580	294
South Carolina	3,092	18,869	2,414	1,674	1,054	1,044
South Dakota	1,821	10,689	1,452	1,118	665	357
Tennessee	9,722	51,238	7,681	4,908	2,582	2,002
Texas	26,789	209,613	22,432	16,279	13,673	11,336
Utah	4,541	26,925	3,724	2,605	1,905	1,088
Vermont	462	2,672	410	242	130	95
Virginia	8,327	56,991	8,287	5,766	2,687	2,147
Washington	6,326	42,675	5,274	4,052	2,304	1,862
West Virginia	4,551	25,879	3,533	2,739	1,557	1,150
Wisconsin	16,022	84,920	13,817	10,676	4,968	2,943
Wyoming	1,685	9,849	NA	NA	NA	NA
Total	481,794	3,033,751	419,620	296,702	170,849	129,530

^R = Revised Data.

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Deliveries for total year 1995 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.

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

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1995-1997
(Million Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997		
				March	February	January
Alabama	51,652	51,732	52,340	17,182	16,628	17,842
Alaska	20,531	17,686	12,410	6,993	6,448	7,090
Arizona	6,060	6,181	7,455	2,071	1,949	2,041
Arkansas	37,281	37,455	36,590	12,214	12,093	12,974
California	168,473	151,705	159,579	57,011	55,950	55,512
Colorado	NA	23,699	20,494	NA	NA	NA
Connecticut	9,641	7,972	9,461	3,521	3,031	3,088
Delaware	3,785	3,565	4,348	1,286	1,220	1,279
District of Columbia	0	0	0	0	0	0
Florida	36,070	33,380	33,835	11,944	11,564	12,562
Georgia	46,795	41,040	45,380	15,885	16,131	14,779
Hawaii	0	0	0	0	0	0
Idaho	9,168	9,603	9,283	3,200	2,802	3,166
Illinois	97,640	105,471	94,971	29,745	32,917	34,978
Indiana	81,666	79,926	83,820	26,729	25,623	29,314
Iowa	30,334	31,315	29,749	9,804	9,788	10,742
Kansas	29,243	30,986	32,889	9,310	8,069	11,864
Kentucky	27,479	26,010	26,799	8,310	8,859	10,309
Louisiana	NA	250,106	262,053	71,810	NA	83,386
Maine	524	517	423	182	162	180
Maryland	NA	11,612	12,153	NA	NA	NA
Massachusetts	NA	25,620	30,103	10,484	10,338	NA
Michigan	99,134	105,402	92,801	33,140	32,661	33,333
Minnesota	28,640	26,556	29,058	9,256	9,999	9,385
Mississippi	NA	20,788	23,168	NA	^a 6,986	7,602
Missouri	21,999	22,251	21,449	5,107	9,633	7,259
Montana	5,804	4,925	4,568	1,695	2,197	1,913
Nebraska	9,285	8,422	11,191	3,165	3,087	3,033
Nevada	7,801	7,893	7,402	2,665	2,462	2,675
New Hampshire	1,392	1,119	1,041	570	411	411
New Jersey	49,473	50,225	58,900	16,496	15,694	17,283
New Mexico	5,973	5,397	6,201	1,741	1,897	2,335
New York	NA	66,695	75,774	NA	NA	NA
North Carolina	29,433	23,211	27,263	10,332	9,942	9,160
North Dakota	3,475	1,789	1,896	1,417	1,128	930
Ohio	98,183	103,924	100,550	30,676	32,615	34,892
Oklahoma	54,789	53,676	53,082	17,159	18,742	18,887
Oregon	21,654	19,971	17,539	6,726	6,525	8,402
Pennsylvania	68,358	81,341	71,927	21,915	23,150	23,292
Rhode Island	6,365	6,919	8,258	2,241	1,993	2,131
South Carolina	25,133	19,768	24,042	9,070	7,983	8,080
South Dakota	2,373	3,135	1,754	705	792	877
Tennessee	NA	32,619	33,564	NA	12,935	11,832
Texas	557,575	544,038	451,857	189,847	175,662	192,066
Utah	NA	11,285	12,845	3,777	^a 3,698	^a 3,809
Vermont	NA	490	565	NA	197	181
Virginia	20,493	24,477	20,305	4,118	7,950	8,425
Washington	NA	28,948	29,629	9,259	NA	9,112
West Virginia	NA	13,796	13,913	2,640	^a 4,167	4,501
Wisconsin	NA	48,208	45,094	15,417	14,670	NA
Wyoming	NA	11,227	12,129	NA	NA	NA
Total	2,340,277	2,296,640	2,221,897	765,983	^a766,563	^a807,731

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996					
	Total	December	November	October	September	August
Alabama	205,175	17,247	17,651	18,646	17,183	16,496
Alaska	75,616	7,034	6,450	6,421	6,288	6,961
Arizona	25,726	2,555	2,304	2,361	2,279	2,172
Arkansas	122,324	11,396	12,010	12,470	7,896	8,990
California	681,527	63,374	61,298	59,429	59,349	64,670
Colorado	84,273	7,618	7,290	6,037	6,107	6,630
Connecticut	32,706	2,989	3,337	3,060	2,548	2,781
Delaware	14,268	1,213	1,218	1,338	1,138	1,117
District of Columbia	0	0	0	0	0	0
Florida	138,506	11,512	12,071	11,303	11,770	11,552
Georgia	179,015	15,597	15,990	15,321	14,813	15,983
Hawaii	0	0	0	0	0	0
Idaho *	34,573	2,890	2,747	3,023	2,802	2,408
Illinois	334,839	37,247	32,295	25,278	20,140	21,041
Indiana	290,093	24,424	25,343	24,136	20,413	19,676
Iowa	113,032	10,739	11,266	9,530	7,552	8,875
Kansas	130,980	9,681	11,581	8,438	9,960	11,693
Kentucky	94,470	9,695	8,841	7,704	6,743	6,430
Louisiana	^a 1,062,482	^a 87,647	96,051	^a 90,104	92,337	89,426
Maine	2,190	171	234	239	185	177
Maryland	50,614	5,002	4,046	4,261	4,121	4,402
Massachusetts	99,801	9,345	8,613	9,307	8,116	8,889
Michigan	353,173	32,225	30,623	25,882	25,020	24,539
Minnesota	^a 106,636	10,004	10,609	9,041	7,792	7,566
Mississippi	82,199	6,764	6,812	7,271	6,642	6,532
Missouri	69,929	6,394	6,018	4,833	4,469	5,765
Montana	17,362	1,850	1,545	1,502	1,335	1,380
Nebraska	^a 29,199	3,063	2,596	2,612	1,857	1,928
Nevada	32,435	2,843	2,691	2,532	2,714	2,773
New Hampshire	4,979	391	527	486	404	405
New Jersey	^a 206,196	^a 25,326	^a 16,937	^a 16,252	16,094	15,593
New Mexico	20,464	1,995	1,699	1,622	1,570	1,563
New York	268,329	24,948	24,861	21,118	20,727	22,197
North Carolina	106,381	8,860	10,882	10,781	9,211	8,952
North Dakota	7,565	1,018	1,030	760	561	409
Ohio	348,266	31,607	31,586	28,023	23,475	23,938
Oklahoma	^a 202,151	19,290	16,009	16,798	16,821	17,167
Oregon	^a 87,754	8,500	8,527	8,658	7,933	7,887
Pennsylvania	257,884	20,225	22,305	18,980	17,633	19,207
Rhode Island	26,985	2,166	2,355	2,501	2,296	2,362
South Carolina	93,933	8,462	8,603	8,800	7,925	7,991
South Dakota	^a 8,273	819	798	557	443	496
Tennessee	128,418	12,872	13,066	11,146	10,558	10,115
Texas	2,071,780	166,935	159,473	167,443	170,430	174,691
Utah	42,335	3,705	3,674	3,603	3,445	3,382
Vermont	1,926	189	208	172	149	153
Virginia	84,864	9,500	7,510	6,510	5,368	7,286
Washington	114,620	9,782	10,903	10,712	10,209	9,965
West Virginia	51,432	4,572	4,541	4,418	4,781	4,033
Wisconsin	149,696	15,515	14,706	11,628	9,591	9,206
Wyoming	43,925	4,057	4,214	4,156	3,205	3,337
Total	^a 8,791,300	^a 781,255	^a 765,945	727,203	694,397	711,187

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996					
	July	June	May	April	March	February
Alabama	16,794	15,727	16,863	17,310	17,354	16,957
Alaska	6,577	6,268	5,808	6,123	6,764	6,115
Arizona	2,220	2,180	1,453	2,042	2,112	1,897
Arkansas	7,390	7,565	7,760	9,395	12,224	12,109
California	60,431	53,941	53,833	52,449	49,361	51,616
Colorado	5,807	6,309	6,597	8,185	7,182	9,397
Connecticut	2,286	2,457	2,467	2,809	3,036	2,777
Delaware	1,122	1,303	1,207	1,046	1,314	1,082
District of Columbia	0	0	0	0	0	0
Florida	11,552	10,988	12,826	11,552	11,679	10,963
Georgia	14,011	14,632	15,449	15,477	15,227	12,024
Hawaii	0	0	0	0	0	0
Idaho ^a	2,697	2,698	2,850	2,856	3,206	3,062
Illinois	19,178	21,336	25,635	27,988	32,566	33,454
Indiana	20,037	42,147	9,883	22,984	26,207	25,615
Iowa	8,305	8,419	7,462	9,701	10,401	9,701
Kansas	11,254	11,669	9,541	10,308	10,938	11,844
Kentucky	6,045	8,704	6,403	7,246	8,414	8,194
Louisiana	87,374	90,176	87,567	91,694	88,725	82,114
Maine	144	186	181	155	182	164
Maryland	4,262	3,970	4,064	4,983	4,673	3,251
Massachusetts	7,274	7,212	7,165	8,260	8,835	8,005
Michigan	24,946	26,087	28,405	30,792	35,200	35,214
Minnesota	7,989	8,586	8,510	9,983	^a 9,162	7,846
Mississippi	6,839	6,590	6,733	7,012	7,373	7,151
Missouri	4,070	4,644	5,311	6,382	6,973	7,163
Montana	1,224	1,174	1,286	1,311	1,435	1,512
Nebraska	1,976	^a 2,127	2,114	2,576	2,857	2,666
Nevada	2,847	2,710	2,858	2,524	2,649	2,545
New Hampshire	382	390	424	450	432	330
New Jersey	16,756	15,540	16,175	17,426	15,442	16,487
New Mexico	1,600	1,632	1,420	1,749	1,609	1,960
New York	21,237	21,379	19,349	22,857	19,921	22,936
North Carolina	8,169	8,361	9,110	8,777	9,025	6,955
North Dakota	434	353	605	608	630	577
Ohio	22,619	29,133	26,206	28,680	31,069	33,410
Oklahoma	16,923	14,670	15,962	^a 14,948	17,717	16,794
Oregon	7,327	6,795	^a 6,704	5,970	6,376	6,164
Pennsylvania	17,214	18,560	19,897	21,123	23,168	22,258
Rhode Island	1,914	2,114	2,210	2,087	1,833	1,647
South Carolina	7,710	7,826	8,236	8,275	7,668	6,330
South Dakota	489	478	509	550	1,684	^a 823
Tennessee	9,710	9,995	9,460	9,591	9,912	10,208
Texas	165,822	170,788	179,149	178,591	183,201	176,101
Utah	3,261	3,171	3,374	3,435	3,636	3,721
Vermont	106	152	175	133	223	148
Virginia	7,089	4,478	6,649	5,953	9,957	7,239
Washington	8,949	7,684	8,630	8,821	9,105	9,810
West Virginia	4,033	3,815	4,020	4,070	4,458	4,176
Wisconsin	8,540	9,186	10,790	13,184	15,050	15,019
Wyoming	3,112	3,545	3,462	3,610	3,464	4,317
Total	678,049	^a709,850	^a692,745	^a734,030	^a761,623	^a741,844

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996	1995				
	January	Total	December	November	October	September
Alabama	16,946	204,060	17,790	17,076	16,919	16,065
Alaska	4,807	64,977	4,714	3,999	4,128	6,889
Arizona	2,152	27,663	2,296	2,248	2,248	2,131
Arkansas	13,120	138,803	11,998	12,094	12,026	10,697
California	51,774	687,921	56,444	54,388	62,097	59,153
Colorado	7,112	72,439	5,739	5,243	3,766	6,262
Connecticut	2,159	33,106	3,028	3,158	2,538	2,179
Delaware	1,170	19,399	1,287	1,669	1,663	1,619
District of Columbia	0	0	0	0	0	0
Florida	10,739	133,477	15,661	10,973	10,332	9,602
Georgia	14,490	183,692	16,401	16,694	17,455	12,994
Hawaii	0	0	0	0	0	0
Idaho ^a	3,335	34,024	3,129	2,943	3,109	2,468
Illinois	38,681	321,465	35,704	32,284	25,162	21,899
Indiana	29,228	275,487	26,872	24,695	21,086	19,205
Iowa	11,082	115,080	12,216	9,887	10,106	8,625
Kansas	14,074	129,515	12,193	10,508	9,357	10,203
Kentucky	10,051	90,764	8,834	8,071	7,545	6,461
Louisiana	^R 79,267	1,044,136	85,024	83,880	87,298	85,727
Maine	171	1,993	169	242	199	155
Maryland	3,579	48,963	3,106	3,881	4,694	3,377
Massachusetts	8,780	107,730	9,656	9,132	7,483	7,740
Michigan	34,241	326,551	32,701	27,912	24,493	22,997
Minnesota	9,548	106,189	10,889	9,114	8,724	7,894
Mississippi	6,481	84,526	7,352	7,334	6,649	5,840
Missouri	7,906	68,924	7,185	6,164	5,389	4,862
Montana	1,807	18,135	1,821	1,753	1,645	1,315
Nebraska	2,828	44,767	3,141	4,125	3,084	4,337
Nevada	2,750	30,641	2,702	2,612	2,371	2,643
New Hampshire	357	4,607	348	450	416	350
New Jersey	18,169	209,014	19,886	18,318	14,764	15,953
New Mexico	2,044	21,095	2,469	2,100	989	1,716
New York	26,799	278,576	26,167	24,647	22,686	19,886
North Carolina	7,299	106,731	8,684	9,303	9,306	8,824
North Dakota	581	6,505	627	600	549	411
Ohio	38,520	336,552	35,635	30,953	26,516	23,938
Oklahoma	19,054	194,101	15,082	16,493	16,186	15,262
Oregon	6,913	68,904	6,418	5,836	6,158	5,246
Pennsylvania	37,314	249,928	22,158	24,198	19,361	17,922
Rhode Island	3,499	35,109	4,305	3,048	1,846	2,563
South Carolina	6,107	98,332	6,928	8,251	8,301	8,081
South Dakota	629	6,933	702	730	542	474
Tennessee	11,785	125,814	11,360	10,937	10,358	10,680
Texas	179,155	1,923,763	179,078	163,975	168,086	156,909
Utah	3,928	42,373	3,805	3,378	3,396	3,116
Vermont	119	2,159	254	221	181	115
Virginia	7,326	97,499	9,819	7,113	7,333	8,569
Washington	10,049	109,997	9,389	9,594	10,139	9,314
West Virginia	4,516	52,239	4,576	4,834	4,576	4,043
Wisconsin	17,283	146,070	15,931	14,483	11,474	9,663
Wyoming	3,446	48,856	NA	NA	NA	NA
Total	^R 793,172	8,579,585	786,266	736,229	709,183	670,153

^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.

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

**Table 17. Natural Gas Deliveries to Electric Utility Consumers,
by State, 1995-1997**
(Million Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997		
				March	February	January
Alabama	450	350	848	168	156	125
Alaska	9,253	8,175	7,652	3,594	2,439	3,220
Arizona	1,266	2,225	2,877	588	358	319
Arkansas	1,096	1,872	2,280	253	217	626
California	56,178	53,413	94,633	24,423	14,231	17,524
Colorado	988	815	958	328	261	398
Connecticut	2,344	81	4,839	944	1,208	192
Delaware	6,095	5,338	5,902	2,280	2,069	1,746
District of Columbia	0	0	0	0	0	0
Florida	56,211	45,862	52,249	28,725	17,001	10,485
Georgia	89	127	243	30	18	42
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	5,383	2,573	8,122	2,503	1,679	1,201
Indiana	483	943	1,460	199	137	147
Iowa	897	612	318	405	231	261
Kansas	1,509	2,995	3,658	553	409	547
Kentucky	321	361	211	130	80	111
Louisiana	44,209	44,089	58,060	15,854	13,608	14,747
Maine	0	0	0	0	0	0
Maryland	569	303	2,300	337	47	185
Massachusetts	9,613	3,872	5,602	5,258	2,785	1,570
Michigan	6,726	7,296	6,265	2,434	2,375	1,916
Minnesota	1,479	780	1,406	698	124	658
Mississippi	8,855	10,017	22,848	2,932	2,717	3,207
Missouri	216	391	1,360	78	53	86
Montana	110	103	25	18	27	64
Nebraska	191	342	358	82	78	31
Nevada	6,652	8,075	7,830	3,822	1,363	1,468
New Hampshire	1	1	18	0	0	0
New Jersey	3,861	3,944	7,513	2,092	1,023	746
New Mexico	6,819	5,128	7,566	2,769	1,991	2,059
New York	31,247	12,609	45,487	14,307	12,117	4,823
North Carolina	10	47	87	1	9	0
North Dakota	0	0	0	0	0	0
Ohio	266	335	537	71	71	124
Oklahoma	17,840	23,009	26,223	6,712	4,867	6,260
Oregon	495	0	5,966	200	0	295
Pennsylvania	922	689	4,471	324	316	281
Rhode Island	6,290	5,592	0	2,180	2,021	2,088
South Carolina	28	18	705	12	4	11
South Dakota	84	18	23	39	19	26
Tennessee	0	29	0	0	0	0
Texas	175,290	205,185	210,245	60,401	54,897	59,992
Utah	390	425	2,619	134	118	138
Vermont	7	1	56	3	2	2
Virginia	1,280	1,818	5,898	1,058	44	178
Washington	9	148	1,201	0	2	6
West Virginia	58	62	77	23	23	12
Wisconsin	5,121	1,060	1,024	2,165	1,782	1,174
Wyoming	22	20	34	6	7	9
Total	471,219	461,147	612,053	189,131	142,984	139,104

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Electric Utility* Consumers,
by State, 1995-1997**
(Million Cubic Feet) — Continued

State	1996					
	Total	December	November	October	September	August
Alabama	6,146	291	480	384	593	708
Alaska	31,767	3,078	2,683	2,637	2,449	2,595
Arizona	19,248	443	296	2,242	2,145	4,797
Arkansas	33,988	1,226	297	201	4,215	5,421
California	318,035	17,182	22,900	32,454	35,564	53,941
Colorado	5,511	454	319	506	724	798
Connecticut	10,456	131	912	1,643	2,168	2,269
Delaware	23,370	1,048	2,129	2,330	2,562	2,416
District of Columbia	0	0	0	0	0	0
Florida	283,557	13,124	17,908	28,677	33,595	33,376
Georgia	4,674	43	80	9	243	588
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	25,863	550	1,859	1,046	2,309	4,289
Indiana	4,330	236	256	144	197	570
Iowa	3,491	236	232	211	277	298
Kansas	22,607	672	578	808	1,959	4,148
Kentucky	1,836	82	104	65	83	281
Louisiana	252,139	12,921	14,958	18,877	21,484	32,455
Maine	0	0	0	0	0	0
Maryland	8,455	211	263	485	1,521	1,920
Massachusetts	45,037	1,562	3,081	8,648	9,009	7,190
Michigan	32,559	2,888	3,151	2,705	3,320	2,746
Minnesota	5,301	419	403	469	602	624
Mississippi	83,251	3,671	6,561	5,392	9,812	12,074
Missouri	5,223	69	238	193	287	896
Montana	470	72	85	42	35	23
Nebraska	2,351	82	94	122	161	213
Nevada	46,766	2,311	2,458	4,266	4,900	6,394
New Hampshire	3	0	1	0	0	0
New Jersey	25,825	445	1,038	1,481	3,575	4,064
New Mexico	29,969	2,244	2,423	2,787	2,492	3,456
New York	142,688	5,108	10,715	14,459	21,421	24,086
North Carolina	2,381	1	1	112	75	196
North Dakota	3	0	0	0	1	1
Ohio	2,867	106	259	56	257	593
Oklahoma	136,436	6,107	8,068	9,395	13,201	19,557
Oregon	14,015	334	1,289	3,049	3,801	3,202
Pennsylvania	7,239	282	654	650	1,150	1,778
Rhode Island	25,071	2,167	2,449	2,424	2,236	2,417
South Carolina	1,206	20	16	23	350	64
South Dakota	725	35	80	5	76	178
Tennessee	572	0	1	0	79	240
Texas	1,039,155	51,332	59,062	75,410	90,570	119,967
Utah	3,428	142	130	133	554	870
Vermont	24	3	3	3	3	2
Virginia	10,275	333	193	473	1,677	1,578
Washington	6,590	21	358	801	2,251	2,558
West Virginia	205	43	3	1	26	15
Wisconsin	7,303	702	803	572	739	1,198
Wyoming	87	6	6	7	8	9
Total	2,732,496	132,434	169,879	226,394	284,758	367,059

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Electric Utility* Consumers,
by State, 1995-1997**
(Million Cubic Feet) — Continued

State	1996					
	July	June	May	April	March	February
Alabama	1,457	931	840	112	134	125
Alaska	2,514	2,611	2,592	2,434	2,763	2,573
Arizona	3,286	1,940	1,047	828	649	550
Arkansas	7,029	5,722	4,342	3,663	1,181	433
California	42,047	23,684	18,648	18,202	13,728	15,742
Colorado	665	400	584	246	317	305
Connecticut	1,409	951	595	298	28	27
Delaware	2,342	2,724	1,189	1,291	1,742	939
District of Columbia	0	0	0	0	0	0
Florida	29,468	28,311	31,435	21,801	15,773	13,992
Georgia	1,514	1,010	1,000	61	98	15
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	4,369	4,205	2,562	2,103	856	421
Indiana	483	746	506	248	233	337
Iowa	355	545	435	289	274	162
Kansas	4,884	4,175	1,661	728	726	701
Kentucky	249	235	236	139	119	56
Louisiana	35,959	31,317	26,523	13,556	15,080	14,146
Maine	0	0	0	0	0	0
Maryland	1,273	1,278	980	220	126	69
Massachusetts	3,508	3,616	2,443	2,108	1,485	1,435
Michigan	2,767	3,062	2,613	2,011	2,100	2,214
Minnesota	690	699	273	342	351	200
Mississippi	10,509	11,998	8,484	4,734	3,311	2,838
Missouri	1,152	1,011	802	184	111	134
Montana	45	52	8	4	37	23
Nebraska	348	466	320	202	139	80
Nevada	6,552	4,802	4,271	2,737	2,474	2,488
New Hampshire	0	0	0	0	0	0
New Jersey	4,441	4,207	1,984	647	483	1,291
New Mexico	3,480	2,895	3,067	1,997	2,383	861
New York	18,789	16,773	13,132	5,595	5,703	3,392
North Carolina	766	802	377	3	3	9
North Dakota	0	1	0	0	0	0
Ohio	312	477	426	46	58	90
Oklahoma	19,747	17,701	12,313	7,340	7,490	6,910
Oregon	2,339	0	0	0	0	0
Pennsylvania	676	591	506	262	225	120
Rhode Island	2,031	2,045	2,011	1,700	2,395	1,523
South Carolina	239	278	188	9	9	5
South Dakota	155	174	2	3	6	10
Tennessee	130	78	15	0	29	0
Texas	136,109	114,370	114,229	72,920	72,619	61,382
Utah	810	227	8	128	137	151
Vermont	3	4	0	2	0	0
Virginia	1,704	1,532	860	107	314	505
Washington	451	0	1	0	57	26
West Virginia	11	21	9	16	13	16
Wisconsin	532	772	696	229	353	271
Wyoming	4	17	5	5	8	5
Total	357,604	299,454	264,216	169,550	156,120	136,572

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Electric Utility Consumers,
by State, 1995-1997**
(Million Cubic Feet) — Continued

State	1996	1995				
	January	Total	December	November	October	September
Alabama	92	7,377	107	226	260	418
Alaska	2,839	29,809	2,528	2,436	2,350	2,536
Arizona	1,025	18,846	510	502	375	2,738
Arkansas	258	32,750	813	622	2,059	4,391
California	23,942	394,698	23,944	30,266	34,916	50,120
Colorado	193	3,798	259	230	341	377
Connecticut	26	19,310	44	928	1,000	1,077
Delaware	2,657	27,010	1,964	2,478	2,356	2,341
District of Columbia	0	0	0	0	0	0
Florida	16,097	318,854	17,056	25,857	30,486	33,168
Georgia	13	7,834	17	63	184	235
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,296	39,143	2,782	3,216	1,456	1,228
Indiana	373	8,349	671	623	246	166
Iowa	176	3,614	145	129	215	278
Kansas	1,568	27,945	1,090	1,050	629	2,281
Kentucky	186	866	170	124	30	23
Louisiana	14,863	322,923	16,716	21,614	26,302	31,977
Maine	0	0	0	0	0	0
Maryland	109	18,833	140	435	632	2,163
Massachusetts	952	64,623	1,732	3,431	5,658	7,340
Michigan	2,981	35,784	3,540	3,217	2,521	2,961
Minnesota	229	8,292	255	456	562	719
Mississippi	3,868	111,229	6,426	5,181	6,374	10,892
Missouri	146	12,830	234	500	416	808
Montana	43	388	27	32	16	26
Nebraska	123	3,059	265	269	246	198
Nevada	3,113	40,134	2,686	2,463	3,138	4,522
New Hampshire	0	2,248	0	9	2	122
New Jersey	2,171	45,897	2,199	2,576	2,133	3,362
New Mexico	1,883	31,924	1,842	2,025	1,917	2,286
New York	3,514	246,265	8,774	16,690	19,517	22,888
North Carolina	35	3,146	66	114	194	123
North Dakota	0	1	0	0	0	0
Ohio	187	7,459	315	402	179	555
Oklahoma	8,610	154,114	9,251	7,826	8,438	13,154
Oregon	0	19,136	455	1,700	2,940	2,940
Pennsylvania	344	24,697	267	380	1,527	2,953
Rhode Island	1,674	5,002	2,061	1,571	426	545
South Carolina	4	6,615	12	10	1,064	1,441
South Dakota	1	931	26	35	32	26
Tennessee	0	2,055	0	0	0	49
Texas	71,184	1,047,274	61,416	55,785	75,055	97,312
Utah	138	8,707	188	452	865	1,245
Vermont	1	138	48	13	3	2
Virginia	998	16,414	761	1,209	1,191	1,223
Washington	65	6,356	12	268	1,134	2,554
West Virginia	33	410	23	40	45	18
Wisconsin	436	9,289	610	465	243	304
Wyoming	7	128	8	11	8	10
Total	168,455	3,196,507	172,457	197,926	239,680	316,096

* Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

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 18. Natural Gas Deliveries to All Consumers, by State, 1995-1997

(Million Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997		
				March	February	January
Alabama	86,766	94,897	89,480	25,301	29,964	31,500
Alaska	43,023	41,388	33,992	13,869	13,399	15,754
Arizona	33,638	31,347	32,806	10,140	11,178	12,320
Arkansas	72,353	77,789	71,093	20,556	24,791	27,006
California	490,487	451,519	517,773	153,465	163,023	173,999
Colorado	NA	104,009	91,486	NA	32,974	37,006
Connecticut	45,893	45,911	48,239	14,439	16,125	15,328
Delaware	17,169	17,267	17,130	5,675	5,923	5,571
District of Columbia	14,189	14,504	14,571	4,214	4,954	5,022
Florida	109,020	99,715	104,904	45,235	34,471	29,314
Georgia	114,365	128,657	117,762	29,690	39,917	44,759
Hawaii	700	722	723	225	237	238
Idaho	21,128	21,215	19,148	6,456	7,129	7,543
Illinois	424,153	450,337	409,577	117,027	133,897	173,229
Indiana	200,840	210,798	196,783	58,062	64,843	77,935
Iowa	93,121	98,006	86,599	25,485	28,945	38,692
Kansas	88,991	104,662	90,579	24,751	28,858	35,382
Kentucky	74,327	81,722	74,862	19,777	23,324	31,225
Louisiana	314,904	334,919	354,371	97,008	^R 105,567	112,329
Maine	2,123	2,112	1,815	702	643	778
Maryland	NA	74,250	68,624	NA	23,671	28,214
Massachusetts	126,743	119,933	115,908	42,503	44,637	39,603
Michigan	367,987	393,529	348,617	112,460	120,917	134,610
Minnesota	133,895	135,936	125,630	38,950	43,532	51,412
Mississippi	NA	56,493	67,845	NA	—	19,136
Missouri	119,857	126,629	114,700	28,562	45,919	45,376
Montana	21,466	20,679	17,835	5,833	7,209	8,424
Nebraska	51,234	44,900	41,591	13,589	19,080	18,564
Nevada	33,748	32,829	31,007	12,114	10,293	11,340
New Hampshire	7,608	7,689	6,854	2,437	2,626	2,545
New Jersey	203,353	224,351	213,841	67,737	65,638	69,978
New Mexico	41,303	36,731	34,399	11,417	13,722	16,164
New York	NA	NA	377,086	NA	142,900	142,444
North Carolina	71,047	74,324	69,078	19,956	25,812	25,279
North Dakota	14,622	12,728	11,875	4,403	4,992	5,227
Ohio	345,308	375,569	343,715	98,030	113,267	134,011
Oklahoma	128,034	136,096	131,473	37,926	43,401	46,707
Oregon	48,445	44,850	44,594	14,354	15,522	18,569
Pennsylvania	250,251	289,474	255,794	73,716	84,396	92,139
Rhode Island	26,076	26,264	20,488	8,623	8,649	8,804
South Carolina	44,970	44,252	45,734	13,452	15,601	15,917
South Dakota	13,796	14,576	11,718	3,804	4,507	5,685
Tennessee	94,552	96,263	87,538	26,669	34,342	33,541
Texas	NA	927,693	821,974	NA	288,325	327,959
Utah	NA	46,516	45,164	13,231	^R 16,672	^R 18,893
Vermont	NA	3,025	2,825	NA	1,059	1,078
Virginia	79,189	89,610	82,044	21,529	27,267	30,393
Washington	75,573	74,528	70,475	23,033	25,043	27,497
West Virginia	36,376	44,333	41,281	9,699	12,364	14,312
Wisconsin	NA	159,060	139,892	NA	48,970	61,469
Wyoming	NA	22,368	21,284	NA	5,149	6,193
Total	6,353,897	6,538,131	6,184,577	1,914,856	^R2,102,627	^R2,336,415

See footnotes at end of table.

Table 18. Natural Gas Deliveries to All Consumers, by State, 1995-1997
(Million Cubic Feet) — Continued

State	1996					
	Total	December	November	October	September	August
Alabama	296,990	27,319	23,583	22,119	20,332	19,593
Alaska	148,552	15,166	13,247	12,312	10,693	11,277
Arizona	102,298	10,389	7,436	7,463	7,031	9,583
Arkansas	233,781	22,795	18,544	15,455	14,353	16,427
California	1,707,167	168,211	149,115	141,022	138,509	157,850
Colorado	270,081	32,976	23,011	14,865	11,832	12,078
Connecticut	126,655	13,863	10,880	8,940	7,524	7,714
Delaware	54,125	4,229	4,471	4,241	4,108	3,913
District of Columbia	33,701	4,755	2,456	1,382	1,173	1,129
Florida	480,111	30,258	34,115	43,675	48,884	48,289
Georgia	370,880	41,449	36,056	24,373	20,839	22,140
Hawaii	2,652	219	199	208	211	204
Idaho	61,034	6,739	5,427	4,266	3,587	3,040
Illinois	1,113,544	151,102	123,066	66,501	42,724	40,200
Indiana	568,117	66,160	53,888	36,632	26,721	25,801
Iowa	258,269	33,559	27,130	15,451	11,705	11,855
Kansas	296,671	34,068	26,472	14,303	15,213	21,226
Kentucky	208,649	26,021	22,567	13,104	9,468	9,138
Louisiana	^R 1,397,624	^R 109,242	^R 116,242	^R 112,504	117,049	125,047
Maine	5,726	601	619	478	291	274
Maryland	192,203	22,821	17,112	11,000	9,856	10,124
Massachusetts	^R 354,970	36,611	31,456	28,417	24,605	22,832
Michigan	989,668	114,278	92,403	56,809	43,754	40,163
Minnesota	^R 349,367	46,826	36,442	21,218	14,049	12,873
Mississippi	218,375	16,490	17,003	14,701	18,432	20,596
Missouri	285,530	37,252	24,113	12,326	9,756	11,484
Montana	55,377	7,463	5,865	3,699	2,517	2,217
Nebraska	^R 119,265	15,566	10,482	7,778	5,337	5,580
Nevada	^R 121,777	^R 10,928	8,996	8,928	9,434	10,882
New Hampshire	18,951	2,120	1,856	1,143	769	747
New Jersey	^R 594,576	^R 73,944	^R 49,081	^R 35,154	29,805	29,780
New Mexico	114,140	13,947	10,595	7,253	6,099	7,366
New York	NA	117,412	91,875	66,767	61,672	63,917
North Carolina	210,163	23,018	18,744	14,596	11,915	11,647
North Dakota	32,024	4,619	3,219	1,791	1,135	925
Ohio	916,665	110,426	88,642	55,791	35,016	35,443
Oklahoma	^R 458,228	42,413	32,877	30,172	33,312	39,743
Oregon	^R 160,546	17,620	15,290	14,366	13,575	12,666
Pennsylvania	695,388	79,260	63,106	40,230	28,704	31,894
Rhode Island	81,964	7,968	7,190	6,306	5,616	5,671
South Carolina	144,920	15,190	12,398	10,765	9,779	9,420
South Dakota	^R 34,691	4,910	3,529	1,711	1,192	1,188
Tennessee	255,525	29,273	23,932	15,968	14,241	13,443
Texas	3,566,301	273,464	253,629	267,075	281,873	315,725
Utah	129,651	16,278	12,744	10,028	7,821	6,544
Vermont	7,324	844	697	439	299	272
Virginia	230,607	28,351	20,904	13,251	10,930	12,380
Washington	232,030	26,216	21,948	17,141	15,951	15,489
West Virginia	118,099	13,251	10,525	7,734	6,749	5,913
Wisconsin	399,549	51,027	43,385	24,041	16,015	15,625
Wyoming	75,849	9,853	8,132	6,744	3,965	3,913
Total	^R 19,961,646	^R 2,068,759	^R 1,736,696	^R 1,372,636	1,246,421	1,323,243

See footnotes at end of table.

Table 18. Natural Gas Deliveries to All Consumers, by State, 1995-1997

(Million Cubic Feet) — Continued

State	1996					
	July	June	May	April	March	February
Alabama	20,743	19,388	22,384	26,632	29,281	33,118
Alaska	10,709	10,773	10,922	12,065	14,222	14,370
Arizona	8,229	7,237	5,974	7,607	9,180	9,858
Arkansas	16,407	15,543	15,591	20,877	23,458	26,518
California	138,209	119,325	118,768	124,638	136,932	148,523
Colorado	11,736	14,087	18,521	26,966	31,107	37,595
Connecticut	6,750	6,427	7,612	11,035	14,152	15,422
Delaware	3,865	4,587	3,285	4,160	5,467	5,148
District of Columbia	1,216	1,412	2,050	3,623	3,939	5,070
Florida	44,583	43,102	48,597	38,893	33,656	31,778
Georgia	21,421	21,244	23,975	30,727	40,569	39,687
Hawaii	216	220	215	238	234	241
Idaho	3,344	3,719	4,536	5,166	6,416	7,356
Illinois	40,334	43,682	65,026	90,570	131,207	147,434
Indiana	26,095	50,192	23,800	48,030	63,320	68,685
Iowa	11,529	12,929	14,642	21,463	29,517	31,838
Kansas	21,453	19,572	17,483	22,219	29,440	33,982
Kentucky	8,482	^a 11,350	10,460	16,338	24,378	25,967
Louisiana	126,442	124,985	118,351	112,844	114,401	110,488
Maine	242	297	366	444	676	693
Maryland	9,317	9,722	11,650	16,352	22,396	24,298
Massachusetts	17,360	18,985	^a 23,805	30,966	38,096	40,663
Michigan	41,232	46,318	68,149	93,033	123,153	131,901
Minnesota	13,574	15,967	21,334	31,147	^a 41,181	44,184
Mississippi	19,342	20,516	17,860	16,940	17,137	19,284
Missouri	10,217	11,454	15,946	26,353	35,478	43,511
Montana	2,125	2,487	3,594	4,732	5,934	7,379
Nebraska	6,892	^a 5,465	6,827	10,437	13,215	15,592
Nevada	11,277	9,779	9,812	8,913	10,245	10,560
New Hampshire	714	861	1,252	1,801	2,393	2,595
New Jersey	31,667	31,275	36,891	52,628	64,143	76,135
New Mexico	8,320	8,060	6,690	9,079	9,909	11,189
New York	59,261	62,398	72,723	93,201	117,367	NA
North Carolina	11,294	12,024	13,678	18,923	21,512	25,453
North Dakota	942	1,281	2,170	3,212	3,769	4,599
Ohio	34,936	47,570	53,242	80,030	111,938	121,775
Oklahoma	39,918	36,014	33,626	^a 34,058	40,561	45,614
Oregon	11,471	9,482	^a 10,784	10,846	13,312	15,649
Pennsylvania	27,758	32,373	41,927	60,662	83,838	91,367
Rhode Island	4,849	5,296	6,192	6,613	8,498	8,208
South Carolina	9,297	9,916	10,794	13,110	13,543	14,966
South Dakota	1,171	1,502	1,932	2,978	5,043	^a 4,739
Tennessee	12,963	13,556	14,505	21,844	26,568	33,026
Texas	324,503	308,851	321,382	292,108	310,615	293,918
Utah	6,510	5,643	6,988	10,578	12,315	17,039
Vermont	227	339	497	685	962	1,015
Virginia	12,873	11,109	13,466	17,731	28,783	29,425
Washington	12,883	12,980	16,524	18,409	22,245	26,815
West Virginia	6,024	5,790	7,267	10,514	13,456	14,859
Wisconsin	14,035	17,634	24,608	34,119	48,084	51,803
Wyoming	3,685	4,622	5,819	6,747	6,641	8,408
Total	1,288,643	^a1,309,340	^a1,414,496	^a1,663,282	^a2,013,879	^a2,150,165

See footnotes at end of table.

Table 18. Natural Gas Deliveries to All Consumers, by State, 1995-1997

(Million Cubic Feet) — Continued

State	1996	1995				
	January	Total	December	November	October	September
Alabama	32,499	287,239	28,963	23,381	20,043	18,901
Alaska	12,796	134,996	12,726	10,307	9,190	11,378
Arizona	12,308	101,731	8,762	6,361	5,351	7,399
Arkansas	27,813	240,071	24,157	18,503	16,563	17,190
California	166,064	1,839,721	163,271	141,117	143,028	150,812
Colorado	35,307	247,180	25,542	20,007	13,350	11,621
Connecticut	16,336	131,130	13,952	10,343	6,867	6,053
Delaware	6,651	60,658	5,333	5,165	4,478	4,341
District of Columbia	5,495	32,735	4,773	2,362	1,247	1,166
Florida	34,281	507,329	38,384	41,005	44,326	46,317
Georgia	48,401	362,734	45,832	37,428	27,085	18,998
Hawaii	247	2,773	223	221	223	224
Idaho	7,439	57,407	6,178	5,305	4,328	3,164
Illinois	171,695	1,065,238	150,677	122,315	65,148	43,840
Indiana	78,793	527,719	67,428	52,765	32,397	25,643
Iowa	36,652	251,262	34,779	27,190	17,145	12,417
Kansas	41,240	286,430	36,741	22,381	16,329	17,252
Kentucky	31,376	196,392	27,754	22,164	12,598	9,069
Louisiana	^R 110,030	1,443,515	111,753	111,708	117,082	120,846
Maine	743	5,333	709	593	376	272
Maryland	27,557	191,272	23,769	16,788	10,160	9,699
Massachusetts	41,174	360,429	38,915	29,250	21,124	21,269
Michigan	138,475	936,466	127,454	90,578	54,297	42,277
Minnesota	50,570	333,900	46,101	35,421	21,711	14,748
Mississippi	20,073	242,887	20,617	16,534	14,668	18,231
Missouri	47,640	271,956	36,814	23,737	12,821	10,631
Montana	7,365	51,660	6,443	5,486	3,935	2,527
Nebraska	16,093	132,923	NA	NA	NA	NA
Nevada	12,024	110,273	9,616	7,869	7,477	8,850
New Hampshire	2,701	19,877	2,329	1,629	957	844
New Jersey	84,073	588,315	76,194	50,145	30,355	30,005
New Mexico	15,632	105,796	11,879	9,301	5,555	6,008
New York	NA	1,131,325	122,091	96,317	68,756	62,723
North Carolina	27,358	196,626	22,610	17,125	12,641	11,481
North Dakota	4,362	29,371	4,046	2,905	1,522	996
Ohio	141,857	877,112	123,470	90,931	51,937	36,514
Oklahoma	49,920	456,674	39,265	32,367	28,987	32,034
Oregon	15,484	138,545	13,661	12,166	11,392	9,853
Pennsylvania	114,269	680,495	89,477	72,297	38,110	30,890
Rhode Island	9,559	69,520	10,522	7,171	3,525	3,877
South Carolina	15,743	148,980	13,776	12,196	11,065	11,040
South Dakota	4,795	31,164	4,008	3,215	1,943	1,164
Tennessee	36,206	239,100	28,212	23,469	14,742	13,796
Texas	323,160	3,387,065	293,668	253,956	265,673	272,935
Utah	17,162	126,981	14,931	11,120	10,024	7,419
Vermont	1,049	7,268	1,065	653	400	266
Virginia	31,401	239,616	31,620	21,147	13,455	13,321
Washington	25,428	211,791	22,286	19,597	16,021	15,141
West Virginia	16,018	113,908	13,999	11,239	7,619	5,952
Wisconsin	59,172	376,291	53,338	42,409	23,685	16,609
Wyoming	7,319	70,986	NA	NA	NA	NA
Total	^R 2,374,087	19,657,487	2,136,187	1,719,670	1,336,124	1,249,730

^R = Revised Data.

NA = Not Available.

— = Not Applicable.

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 19. Average City Gate Price, by State, 1995-1997
(Dollars per Thousand Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997			1996	
				March	February	January	Total	December
Alabama	3.98	3.21	2.55	3.20	4.02	4.44	3.48	4.07
Alaska	1.85	1.58	1.68	1.84	1.80	1.88	1.58	1.59
Arizona	3.26	2.14	2.15	2.22	2.85	4.21	2.78	4.14
Arkansas	3.50	2.53	2.35	2.46	3.16	4.18	2.76	3.68
California	3.28	2.32	1.93	2.25	3.21	4.15	2.59	3.81
Colorado	NA	2.13	2.63	NA	NA	NA	2.71	4.91
Connecticut	5.58	5.22	4.66	4.82	6.00	5.82	5.11	6.15
Delaware	5.25	3.46	2.54	4.07	5.09	6.92	3.59	4.82
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.44	3.76	2.50	4.04	4.56	4.61	3.69	4.49
Georgia	4.28	3.59	2.95	3.31	4.16	4.80	3.76	4.66
Hawaii	6.79	5.54	5.13	6.50	7.73	6.16	6.05	6.67
Idaho	2.15	2.05	2.18	1.85	2.13	2.37	2.24	2.30
Illinois	3.34	3.26	2.37	2.43	3.30	3.79	3.27	4.05
Indiana	3.35	3.23	2.64	2.31	3.20	4.08	NA	NA
Iowa	3.63	3.01	2.60	3.05	3.66	3.99	3.47	4.09
Kansas	3.71	2.73	2.14	2.67	3.67	4.43	3.07	3.77
Kentucky	3.76	3.07	2.81	3.40	3.47	4.20	3.41	4.40
Louisiana	3.39	3.38	2.15	2.44	3.49	3.84	3.13	4.30
Maine	4.31	3.95	3.07	4.26	3.52	4.96	4.29	4.34
Maryland	NA	NA	2.59	NA	NA	NA	NA	4.65
Massachusetts	NA	3.33	2.97	2.97	4.12	NA	4.01	4.82
Michigan	3.37	3.06	2.85	2.66	3.28	3.98	2.90	3.73
Minnesota	3.66	2.83	2.43	2.70	3.48	4.51	3.07	3.78
Mississippi	NA	3.32	2.32	NA	3.79	4.25	3.29	4.34
Missouri	3.58	2.59	2.37	2.78	3.50	4.05	3.25	4.03
Montana	3.39	2.78	3.32	2.70	3.50	3.74	3.03	3.46
Nebraska	3.75	2.61	2.35	2.84	3.65	4.43	3.06	3.99
Nevada	3.62	2.62	2.86	2.96	3.37	4.13	3.17	3.97
New Hampshire	4.47	4.07	3.39	3.99	4.42	4.93	4.20	5.01
New Jersey	4.31	3.58	3.11	3.95	4.20	4.70	3.82	4.90
New Mexico	1.76	1.53	1.50	1.38	0.86	3.86	1.99	3.60
New York	NA	3.25	2.44	NA	NA	NA	3.29	4.38
North Carolina	4.15	3.63	2.81	3.51	4.34	4.36	3.74	4.26
North Dakota	3.52	2.75	2.86	2.43	3.59	4.22	2.94	3.80
Ohio	5.40	3.93	3.96	5.01	5.41	5.68	4.37	4.79
Oklahoma	3.47	2.55	2.75	3.09	3.68	3.52	2.56	2.84
Oregon	2.46	2.14	2.45	1.92	2.35	2.95	2.42	2.95
Pennsylvania	3.98	3.38	3.05	3.48	4.12	4.22	3.97	4.43
Rhode Island	4.12	3.87	2.81	3.16	4.26	4.85	4.41	5.20
South Carolina	3.81	3.94	3.11	2.95	3.97	4.20	3.90	4.60
South Dakota	3.43	2.82	2.81	2.54	3.22	4.11	3.19	3.98
Tennessee	NA	3.33	2.49	NA	3.73	4.03	4.04	6.64
Texas	4.17	3.19	3.07	3.01	4.23	4.73	3.23	4.21
Utah	NA	2.23	3.58	2.72	NA	NA	2.25	2.39
Vermont	NA	2.86	2.40	NA	2.16	NA	2.74	2.67
Virginia	4.30	3.63	2.90	3.49	3.92	5.14	3.89	5.13
Washington	NA	2.03	2.43	1.89	NA	3.45	2.44	3.14
West Virginia	NA	3.33	2.75	2.10	3.47	3.70	3.33	3.53
Wisconsin	NA	2.84	2.66	2.82	3.54	NA	3.37	4.12
Wyoming	NA	NA	2.83	2.96	3.41	NA	NA	2.55
Total	3.78	3.15	2.75	3.05	3.73	4.31	3.34	4.20

See footnotes at end of table.

Table 19. Average City Gate Price, by State, 1995-1997
(Dollars per Thousand Cubic Feet) — Continued

State	1996							
	November	October	September	August	July	June	May	April
Alabama	3.63	3.44	3.62	4.11	4.04	3.78	3.52	3.27
Alaska	1.60	1.55	1.57	1.54	1.54	1.57	1.56	1.58
Arizona	3.29	2.66	3.02	3.58	2.94	2.57	2.46	2.05
Arkansas	3.04	2.46	2.29	2.59	2.76	2.82	2.59	2.50
California	3.00	2.38	2.35	2.78	2.43	2.56	2.14	2.22
Colorado	3.13	2.65	2.28	2.29	2.29	2.40	2.50	2.93
Connecticut	4.60	4.46	4.65	4.42	4.75	5.03	4.94	5.22
Delaware	3.42	2.85	3.03	3.80	4.22	3.44	3.18	3.75
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.90	3.28	3.03	3.57	3.58	3.31	3.39	3.97
Georgia	3.71	3.14	3.32	4.00	4.20	3.66	3.74	3.51
Hawaii	6.30	6.33	6.00	6.05	6.34	6.27	6.32	5.74
Idaho	2.10	2.11	2.72	2.48	5.26	3.39	2.28	2.21
Illinois	3.25	2.65	2.80	3.25	3.69	3.12	2.83	2.93
Indiana	3.16	2.49	2.04	2.70	3.30	3.10	2.56	2.90
Iowa	3.46	3.12	4.28	7.96	7.45	4.61	4.19	3.13
Kansas	3.38	2.91	2.65	3.08	3.57	3.51	3.22	3.23
Kentucky	3.59	2.94	3.16	3.04	3.07	3.08	3.83	3.50
Louisiana	3.24	2.20	2.26	2.69	3.01	2.71	2.65	3.06
Maine	3.64	3.93	3.91	4.35	5.04	5.51	5.32	5.34
Maryland	3.71	3.44	5.20	5.85	6.04	5.63	4.35	4.01
Massachusetts	3.72	3.60	5.36	5.68	5.53	6.05	4.40	3.97
Michigan	3.07	2.49	2.31	2.98	2.87	2.64	2.69	2.80
Minnesota	3.19	2.65	2.91	3.32	4.13	2.88	2.81	2.72
Mississippi	3.14	2.83	2.59	2.89	3.10	2.90	2.70	3.37
Missouri	3.20	3.47	4.14	5.12	4.82	4.51	3.86	3.20
Montana	3.04	3.08	3.24	4.11	3.60	3.05	2.81	3.18
Nebraska	3.11	2.93	2.69	4.83	3.30	3.50	3.41	3.04
Nevada	3.46	2.96	3.22	3.80	3.44	3.37	3.17	2.90
New Hampshire	4.15	3.19	3.86	4.47	5.03	4.64	4.09	4.09
New Jersey	3.84	3.12	3.51	3.71	3.77	3.82	4.61	3.75
New Mexico	2.68	1.88	1.66	2.07	1.60	1.40	1.22	1.18
New York	3.03	2.86	2.61	3.15	3.13	3.17	3.18	3.40
North Carolina	3.48	3.22	3.67	3.94	3.75	3.75	3.69	3.95
North Dakota	3.10	2.49	2.54	3.44	2.90	2.78	2.64	2.62
Ohio	4.95	5.06	6.11	5.58	4.53	8.17	4.87	4.06
Oklahoma	2.44	1.99	2.53	2.65	2.51	2.40	2.61	2.53
Oregon	2.41	2.24	2.98	3.15	3.89	2.11	2.40	2.27
Pennsylvania	4.11	4.03	4.25	5.07	5.40	4.96	3.94	4.66
Rhode Island	4.04	3.91	5.94	6.51	7.46	6.42	5.06	3.53
South Carolina	3.76	3.26	3.53	3.87	4.01	3.49	3.96	3.96
South Dakota	3.37	2.87	3.42	6.37	4.74	3.96	2.92	2.63
Tennessee	3.71	2.92	3.39	3.67	3.48	3.67	3.72	3.28
Texas	3.49	2.73	2.95	3.06	3.04	2.91	2.81	3.13
Utah	3.32	1.66	2.22	2.08	2.15	2.12	1.93	1.98
Vermont	2.49	2.18	2.36	2.69	3.68	3.01	2.66	3.10
Virginia	3.69	3.34	3.40	4.42	4.52	4.93	4.00	3.38
Washington	2.50	1.94	2.71	3.21	3.57	3.39	2.30	2.23
West Virginia	3.25	3.57	3.77	4.29	3.66	3.28	3.89	3.26
Wisconsin	3.61	3.00	3.87	4.71	4.65	4.81	3.42	3.48
Wyoming	2.18	1.91	2.84	2.92	2.44	NA	NA	NA
Total	3.47	2.93	3.03	3.48	3.48	3.39	3.18	3.22

See footnotes at end of table.

Table 19. Average City Gate Price, by State, 1995-1997

(Dollars per Thousand Cubic Feet) — Continued

State	1996			1995				
	March	February	January	Total	December	November	October	September
Alabama	3.15	3.35	3.13	2.89	2.83	2.84	3.52	3.50
Alaska	1.60	1.60	1.56	1.67	1.67	1.66	1.63	1.64
Arizona	1.97	2.36	2.08	2.10	1.86	2.19	2.24	2.44
Arkansas	2.57	2.52	2.52	2.32	2.46	2.28	2.19	2.01
California	2.42	2.25	2.29	2.03	1.90	2.15	2.14	2.06
Colorado	2.16	2.18	2.08	2.65	2.60	2.56	2.41	2.89
Connecticut	4.66	5.37	5.55	4.70	4.60	4.13	4.27	4.80
Delaware	4.20	3.43	3.27	2.70	3.01	2.89	2.81	2.85
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.83	3.60	3.84	2.74	3.32	3.05	2.75	2.75
Georgia	3.82	3.36	3.71	2.96	2.95	2.80	3.00	3.49
Hawaii	5.53	5.49	5.60	5.20	4.65	5.43	5.90	5.78
Idaho	2.12	2.08	1.98	2.18	1.98	2.14	1.83	2.79
Illinois	3.49	3.73	2.66	2.59	2.53	2.32	2.94	3.58
Indiana	3.06	3.32	3.11	2.84	2.82	2.67	2.96	3.57
Iowa	2.82	3.03	2.62	2.82	2.73	2.63	2.84	3.41
Kansas	2.70	2.67	2.66	2.36	2.44	2.38	2.82	2.80
Kentucky	3.29	3.05	3.19	2.80	2.87	2.45	2.61	2.51
Louisiana	3.29	3.24	3.58	2.21	2.78	2.44	2.23	2.05
Maine	4.01	3.89	3.95	3.35	3.08	3.03	2.72	3.54
Maryland	3.70	NA	3.82	2.87	2.68	2.71	3.44	3.95
Massachusetts	3.32	3.17	3.65	3.53	3.35	3.14	4.13	4.78
Michigan	3.11	2.91	3.14	2.61	2.81	2.56	2.54	2.61
Minnesota	2.79	2.78	2.90	2.52	2.65	2.50	2.43	2.63
Mississippi	3.36	3.07	3.49	2.53	3.23	2.71	2.77	2.43
Missouri	2.61	2.59	2.52	2.73	2.57	2.55	3.21	3.85
Montana	2.52	2.98	2.83	3.01	2.72	2.65	2.68	3.01
Nebraska	2.71	2.45	2.66	2.49	2.34	2.43	2.80	2.97
Nevada	2.64	2.75	2.51	2.73	2.20	2.62	2.64	3.23
New Hampshire	4.06	3.99	4.14	3.39	3.60	3.44	2.89	3.33
New Jersey	3.15	3.49	4.09	3.34	3.40	3.45	3.74	3.40
New Mexico	1.40	1.69	1.53	1.46	1.44	1.58	1.42	1.40
New York	3.34	3.19	3.42	2.47	2.98	2.61	2.53	2.32
North Carolina	3.60	3.66	3.65	2.95	2.95	2.77	2.98	3.59
North Dakota	2.45	2.82	2.94	2.58	2.55	2.25	2.31	2.49
Ohio	3.90	3.80	3.81	3.84	3.46	3.34	4.01	3.85
Oklahoma	2.58	2.60	2.46	2.52	2.27	2.24	1.97	1.93
Oregon	2.19	1.96	2.06	2.42	1.71	2.36	2.41	2.96
Pennsylvania	3.62	3.28	3.26	3.09	2.95	2.63	3.22	3.34
Rhode Island	3.85	3.92	3.28	3.57	3.34	3.13	4.54	5.28
South Carolina	3.94	3.77	4.01	3.25	3.27	3.16	3.04	3.63
South Dakota	2.84	2.79	2.54	2.88	2.68	2.62	2.73	3.51
Tennessee	3.29	4.56	4.50	2.71	3.01	2.68	2.69	2.72
Texas	3.05	3.13	3.20	2.95	3.06	2.97	2.75	2.74
Utah	2.34	2.10	2.27	2.88	2.43	2.46	2.18	3.16
Vermont	2.83	2.82	2.93	2.61	2.38	2.19	2.89	3.16
Virginia	3.58	3.36	3.88	2.92	3.10	2.57	3.40	2.22
Washington	1.99	2.12	1.98	2.18	2.07	2.14	2.02	2.06
West Virginia	3.24	3.48	2.60	2.85	3.04	2.26	3.48	3.46
Wisconsin	2.88	2.78	2.87	2.83	2.75	2.48	2.99	3.37
Wyoming	NA	NA	NA	2.72	NA	NA	NA	NA
Total	3.17	3.16	3.13	2.78	2.83	2.67	2.83	2.89

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 20. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997			1996	
				March	February	January	Total	December
Alabama	7.85	6.33	6.31	8.65	7.61	7.62	7.20	7.34
Alaska	3.68	3.32	3.53	3.79	3.66	3.63	3.42	3.32
Arizona	6.76	6.76	7.20	7.03	6.71	6.62	7.50	6.83
Arkansas	6.26	5.28	5.16	6.14	6.09	6.48	5.90	6.62
California	6.31	6.34	6.42	6.42	6.27	6.27	6.43	6.19
Colorado	NA	4.04	4.55	NA	NA	NA	4.32	3.88
Connecticut	10.39	9.89	9.87	9.66	10.96	10.41	10.08	10.49
Delaware	7.70	6.31	6.20	7.87	7.74	7.53	7.10	7.71
District of Columbia	9.31	8.17	7.90	8.57	9.36	9.81	8.84	9.83
Florida	10.98	9.98	8.49	12.12	10.69	10.57	11.41	11.27
Georgia	7.31	5.70	6.24	8.88	7.47	6.53	6.66	6.72
Hawaii	23.10	18.75	16.81	22.62	25.55	21.15	19.91	19.60
Idaho	4.84	5.00	5.49	4.95	4.80	4.81	5.18	4.88
Illinois	6.02	4.53	4.55	5.28	6.50	6.15	5.27	5.13
Indiana	6.02	4.84	5.28	6.28	6.06	5.82	5.49	5.25
Iowa	5.71	4.71	4.66	5.58	6.01	5.57	5.56	5.78
Kansas	6.33	5.14	4.40	5.98	6.58	6.34	5.66	5.83
Kentucky	6.03	4.87	4.77	6.32	6.02	5.87	5.57	6.13
Louisiana	6.92	5.69	5.22	6.28	6.86	7.34	6.75	7.29
Maine	8.45	7.54	7.31	8.65	8.66	8.10	7.88	8.53
Maryland	NA	6.74	6.13	NA	NA	NA	7.45	7.64
Massachusetts	NA	8.95	9.18	9.70	9.62	NA	^R 8.86	9.47
Michigan	4.94	4.45	4.40	4.82	4.94	5.04	4.89	4.99
Minnesota	5.82	4.92	4.57	4.81	5.81	6.50	5.46	6.17
Mississippi	NA	5.10	4.87	NA	^R 6.14	6.17	5.54	6.37
Missouri	6.37	5.27	4.48	5.70	6.50	6.67	5.97	6.02
Montana	4.53	4.63	4.99	4.69	4.49	4.47	4.89	4.62
Nebraska	5.71	4.81	4.45	4.86	5.75	6.23	5.34	5.78
Nevada	5.68	5.74	6.38	5.78	5.76	5.54	6.19	5.69
New Hampshire	9.23	7.17	7.34	9.36	9.24	9.10	7.34	8.34
New Jersey	7.48	7.06	6.83	7.34	7.47	7.62	^R 7.38	^R 7.21
New Mexico	5.24	3.88	5.01	4.46	5.06	5.79	4.30	3.58
New York	NA	7.92	7.81	NA	NA	NA	NA	NA
North Carolina	8.95	6.71	6.47	9.59	8.76	8.77	7.57	7.88
North Dakota	4.31	4.26	4.29	4.14	4.32	4.43	4.56	4.36
Ohio	6.68	5.19	5.34	6.51	6.83	6.68	5.88	6.26
Oklahoma	6.01	4.84	4.90	5.66	5.79	6.44	5.57	5.25
Oregon	5.77	5.90	6.50	5.85	5.76	5.73	6.25	5.90
Pennsylvania	7.89	6.60	7.16	8.05	8.05	7.64	7.39	7.60
Rhode Island	9.11	7.70	7.30	9.39	9.18	8.79	8.60	8.68
South Carolina	8.79	7.28	7.60	9.24	8.69	8.67	7.62	8.07
South Dakota	5.20	4.49	4.61	4.83	5.09	5.50	5.25	5.39
Tennessee	NA	5.88	5.52	NA	7.00	6.84	6.33	6.18
Texas	6.07	5.18	5.38	5.56	6.05	6.35	5.77	6.04
Utah	NA	4.41	4.86	5.14	^R 4.89	^R 4.91	4.47	4.75
Vermont	NA	6.02	6.51	NA	6.04	6.04	6.40	6.19
Virginia	8.38	6.98	6.89	7.56	8.46	8.87	7.94	8.48
Washington	NA	5.41	5.70	5.48	NA	5.39	5.63	5.43
West Virginia	NA	6.82	6.71	6.78	^R 6.70	6.68	7.05	6.83
Wisconsin	NA	5.84	5.85	6.26	6.66	NA	6.00	6.86
Wyoming	NA	4.08	4.69	4.14	^R 4.01	3.96	4.16	3.87
Total	6.66	5.74	5.82	6.49	6.76	6.69	6.29	^R 6.39

See footnotes at end of table.

Table 20. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet) — Continued

State	1996							
	November	October	September	August	July	June	May	April
Alabama	7.82	9.68	10.60	10.95	10.74	10.53	8.08	6.87
Alaska	3.37	3.46	3.77	3.82	3.87	3.71	3.53	3.40
Arizona	7.41	9.25	10.03	10.37	9.99	9.32	8.67	7.57
Arkansas	6.03	7.03	7.72	8.27	8.41	7.85	6.72	5.44
California	6.40	6.66	5.93	6.84	8.27	6.98	6.38	6.00
Colorado	4.24	4.91	6.28	6.64	6.13	5.10	4.42	4.20
Connecticut	10.26	10.58	10.65	10.69	10.34	9.94	9.62	10.06
Delaware	7.98	9.02	10.51	10.12	10.20	8.86	7.78	6.70
District of Columbia	8.83	9.86	10.37	7.52	7.80	9.02	9.83	10.18
Florida	12.72	13.80	14.22	14.49	13.77	13.63	12.55	10.95
Georgia	5.81	8.49	10.28	10.46	10.93	11.34	10.43	7.30
Hawaii	20.81	21.05	20.57	20.60	20.91	20.22	20.54	19.29
Idaho	5.21	5.59	6.09	6.45	6.33	5.70	5.38	5.28
Illinois	5.05	5.93	8.13	9.25	8.42	8.20	6.76	5.51
Indiana	5.54	6.57	8.47	8.71	8.45	7.83	6.52	5.73
Iowa	5.37	6.74	9.26	12.82	8.98	7.96	6.26	5.13
Kansas	5.52	6.52	7.15	8.46	7.28	7.70	6.87	5.77
Kentucky	5.76	6.65	7.88	8.43	8.14	7.53	7.24	5.13
Louisiana	7.74	8.30	8.33	8.70	9.29	8.52	8.18	7.00
Maine	8.05	7.04	8.23	8.90	8.57	8.06	8.27	8.27
Maryland	7.14	8.26	10.48	10.70	10.63	9.69	8.38	7.19
Massachusetts	9.46	7.49	9.24	9.50	9.04	7.84	^a 6.02	9.42
Michigan	4.94	5.50	6.45	7.21	7.07	6.45	5.12	4.72
Minnesota	5.46	5.47	6.65	7.66	7.49	6.69	5.76	5.37
Mississippi	6.08	6.14	6.06	6.19	6.26	6.15	5.96	5.46
Missouri	5.94	7.58	9.53	10.20	9.53	8.45	6.87	5.71
Montana	4.92	5.56	6.22	6.67	6.34	5.32	4.94	4.71
Nebraska	5.42	6.04	7.33	7.56	7.24	6.36	5.65	5.12
Nevada	6.05	7.40	7.91	8.13	7.66	7.04	6.68	6.22
New Hampshire	8.60	6.99	8.19	8.51	8.38	7.23	6.29	5.89
New Jersey	^b 7.49	^b 7.87	8.80	8.95	9.20	8.81	7.16	7.58
New Mexico	3.66	5.58	8.21	7.08	4.44	4.21	11.39	4.60
New York	NA	NA	NA	NA	10.86	9.83	8.64	8.22
North Carolina	8.19	9.90	12.48	12.77	11.10	11.45	9.04	7.29
North Dakota	4.37	5.42	6.88	7.33	7.10	5.78	4.46	4.43
Ohio	6.53	7.26	8.38	8.94	8.07	7.04	6.31	5.37
Oklahoma	5.91	8.02	9.06	9.46	9.18	8.43	6.87	5.21
Oregon	6.24	6.95	7.78	8.20	7.74	6.93	6.50	6.34
Pennsylvania	7.73	8.59	10.72	10.31	10.24	9.08	8.21	7.38
Rhode Island	9.36	9.90	11.33	11.29	11.05	9.82	8.39	7.92
South Carolina	7.71	8.44	9.52	9.99	9.84	9.09	8.12	6.97
South Dakota	5.41	5.94	7.74	11.79	8.33	6.65	5.65	5.21
Tennessee	6.00	7.17	8.54	8.87	8.54	8.40	7.34	6.70
Texas	5.24	6.97	7.73	8.24	7.87	7.21	6.81	5.98
Utah	4.81	3.79	4.15	5.19	4.99	5.40	4.59	3.90
Vermont	6.42	7.21	8.41	8.92	8.73	7.49	6.59	6.24
Virginia	8.26	9.78	11.94	12.50	12.40	10.73	8.78	7.53
Washington	5.59	6.08	6.86	7.17	6.71	6.06	5.71	5.59
West Virginia	7.04	7.58	9.26	10.28	9.77	9.21	7.55	6.94
Wisconsin	6.24	5.07	6.00	6.34	6.26	5.81	5.56	5.90
Wyoming	3.66	3.85	5.16	5.54	5.57	4.90	4.47	4.31
Total	^b 6.31	7.00	7.94	8.62	8.55	7.75	^b 6.77	6.22

See footnotes at end of table.

Table 20. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet) — Continued

State	1996			1995				
	March	February	January	Total	December	November	October	September
Alabama	6.82	6.33	5.97	6.86	5.97	6.61	8.86	9.41
Alaska	3.34	3.30	3.32	3.63	3.51	3.60	3.76	3.96
Arizona	6.97	6.80	6.60	7.82	7.04	8.18	9.33	10.04
Arkansas	5.40	5.25	5.22	5.48	4.46	5.65	6.99	7.51
California	6.20	6.32	6.47	6.42	5.92	5.78	6.66	6.90
Colorado	4.10	4.02	4.02	4.80	4.29	4.52	5.24	6.62
Connecticut	9.80	9.85	10.00	10.00	9.46	9.96	11.06	11.11
Delaware	6.38	6.25	6.32	6.60	6.09	6.83	8.27	8.95
District of Columbia	8.96	8.42	7.37	8.03	7.26	7.74	9.62	10.18
Florida	10.55	9.93	9.61	9.85	9.19	10.60	12.16	11.61
Georgia	5.54	5.97	5.06	6.18	4.98	4.79	6.72	7.95
Hawaii	19.21	18.82	18.20	17.55	18.80	17.92	17.89	17.84
Idaho	5.06	4.98	4.97	5.59	5.29	5.46	5.77	6.42
Illinois	4.91	4.55	4.24	4.66	4.18	4.10	4.82	6.07
Indiana	5.07	4.85	4.68	5.37	4.55	4.67	5.67	7.09
Iowa	4.82	4.86	4.51	5.09	4.89	4.56	5.53	7.46
Kansas	5.31	5.17	4.99	4.91	5.04	5.22	5.73	6.46
Kentucky	5.11	4.71	4.82	5.05	4.52	4.27	5.94	7.78
Louisiana	5.64	5.44	6.11	6.01	6.14	6.33	7.68	7.70
Maine	7.88	7.78	7.02	7.32	7.01	7.21	7.17	7.78
Maryland	6.99	6.83	6.47	6.62	6.19	6.50	7.72	8.64
Massachusetts	9.02	9.01	9.00	9.04	8.86	9.53	8.24	9.33
Michigan	4.37	4.53	4.45	4.72	4.49	4.64	5.23	6.16
Minnesota	4.96	4.87	4.94	4.80	4.80	4.82	5.28	6.07
Mississippi	5.36	4.75	5.26	5.28	5.18	5.47	6.43	6.74
Missouri	5.47	5.31	5.11	5.16	5.10	5.45	6.71	8.20
Montana	4.65	4.59	4.66	5.15	4.80	4.93	5.48	6.13
Nebraska	4.94	4.73	4.78	4.83	4.74	4.96	5.84	6.32
Nevada	5.86	5.76	5.64	6.76	5.97	6.92	8.05	8.53
New Hampshire	7.31	7.19	7.03	7.16	7.18	7.77	7.24	7.96
New Jersey	7.12	7.06	7.01	7.27	7.03	7.20	8.29	9.84
New Mexico	4.54	4.16	3.42	5.04	3.55	3.86	5.51	7.26
New York	7.93	8.01	7.73	8.42	7.77	8.70	11.09	11.81
North Carolina	7.52	6.81	6.13	6.93	6.21	6.50	8.94	10.65
North Dakota	4.31	4.20	4.28	4.66	4.29	4.50	6.32	6.69
Ohio	5.33	5.38	4.92	5.46	4.97	5.01	6.10	7.15
Oklahoma	5.09	4.76	4.74	5.56	5.04	5.84	7.32	8.46
Oregon	6.17	5.67	6.05	6.74	6.32	6.75	7.57	8.37
Pennsylvania	6.73	6.68	6.42	7.16	5.60	6.42	8.00	10.11
Rhode Island	8.06	7.88	7.97	8.02	7.89	8.70	9.41	10.45
South Carolina	7.68	7.40	7.02	7.54	6.76	6.84	8.27	8.96
South Dakota	4.36	4.67	4.43	5.05	4.86	5.07	5.05	7.09
Tennessee	6.51	6.04	5.53	5.77	6.26	4.31	6.92	8.26
Texas	5.32	5.06	4.84	5.92	5.23	5.77	7.08	7.71
Utah	4.94	3.97	4.51	4.74	4.72	4.99	4.09	4.68
Vermont	6.09	6.02	5.98	6.82	6.09	6.88	7.92	9.03
Virginia	6.88	7.23	6.83	7.18	6.44	5.55	9.33	10.86
Washington	5.44	5.38	5.41	5.89	5.57	5.68	6.26	7.04
West Virginia	6.74	6.69	6.67	7.05	6.67	6.91	7.77	9.11
Wisconsin	5.87	5.75	5.90	5.82	5.88	5.74	5.14	5.83
Wyoming	4.19	3.94	4.14	4.83	NA	NA	NA	NA
Total	5.89	5.78	5.60	6.06	5.54	5.61	6.62	7.73

^R = Revised Data.

NA = Not Available.

Notes: Data for 1995 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 21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997			1996	
				March	February	January	Total	December
Alabama	7.02	5.84	5.80	7.26	6.92	6.97	6.18	6.49
Alaska	2.55	2.34	2.35	2.32	2.62	2.63	2.29	2.36
Arizona	5.09	4.93	5.38	5.27	5.03	5.01	4.98	4.95
Arkansas	5.16	4.34	4.07	4.86	5.07	5.42	4.68	5.58
California	6.97	6.59	6.79	6.71	6.98	7.18	6.02	6.43
Colorado	NA	3.64	4.25	NA	NA	NA	3.57	3.23
Connecticut	8.09	7.77	7.74	7.66	8.45	8.09	7.37	7.86
Delaware	6.42	5.38	5.20	6.52	6.49	6.27	5.77	6.14
District of Columbia	8.00	7.52	6.11	7.61	8.03	8.30	7.09	7.71
Florida	6.77	6.41	5.22	6.96	6.84	6.56	6.47	6.49
Georgia	6.76	5.36	5.65	7.53	6.66	6.44	5.82	6.26
Hawaii	15.19	13.44	12.58	15.72	15.07	14.79	14.52	15.25
Idaho	4.31	4.43	4.76	4.36	4.29	4.30	4.55	4.33
Illinois	5.60	4.33	4.44	4.97	5.68	5.89	4.91	5.19
Indiana	5.30	4.17	4.57	5.37	5.43	5.14	4.58	4.56
Iowa	5.03	4.06	3.92	4.81	5.32	4.96	4.62	5.19
Kansas	5.95	4.98	3.93	5.46	6.25	5.98	5.13	5.45
Kentucky	5.71	4.49	4.69	5.72	5.80	5.64	5.04	5.62
Louisiana	6.53	5.59	4.97	5.78	6.49	7.09	6.08	6.86
Maine	7.98	7.03	6.72	8.10	8.12	7.75	7.09	7.87
Maryland	NA	5.84	4.97	NA	NA	NA	5.90	6.42
Massachusetts	NA	7.42	7.35	8.14	8.28	NA	6.71	7.85
Michigan	4.85	4.45	4.30	4.71	4.80	4.99	4.69	4.91
Minnesota	5.22	4.38	4.01	4.16	5.23	6.02	4.62	5.66
Mississippi	NA	4.67	4.50	^a 5.04	^a 5.58	5.61	5.11	5.61
Missouri	6.18	5.11	4.20	5.07	6.47	6.58	5.34	5.81
Montana	4.49	4.61	4.89	4.57	4.45	4.46	4.72	4.56
Nebraska	3.91	4.36	4.14	4.23	2.54	6.00	4.47	5.38
Nevada	4.93	4.83	5.38	4.95	4.86	4.97	4.91	4.88
New Hampshire	8.63	6.86	6.87	8.67	8.81	8.41	6.76	7.75
New Jersey	6.93	8.06	5.87	7.00	7.10	6.70	^a 7.03	^a 7.22
New Mexico	4.52	3.18	4.15	3.54	4.35	5.34	3.18	3.18
New York	NA	NA	6.26	NA	NA	NA	NA	NA
North Carolina	7.65	5.90	5.36	7.85	7.67	7.52	6.15	6.71
North Dakota	4.03	3.83	3.80	3.65	4.09	4.24	3.96	4.08
Ohio	6.41	4.91	4.98	6.03	6.74	6.41	5.38	5.81
Oklahoma	5.88	4.50	4.53	5.26	5.75	6.40	4.65	5.00
Oregon	4.56	4.86	5.22	4.57	4.55	4.56	4.86	4.67
Pennsylvania	7.32	6.00	6.40	7.37	7.55	7.07	6.38	6.75
Rhode Island	8.08	7.04	6.25	8.17	8.20	7.88	7.28	7.71
South Carolina	7.43	6.41	6.50	7.20	7.54	7.46	6.18	7.01
South Dakota	4.34	3.69	3.74	3.96	4.28	4.61	4.21	4.34
Tennessee	NA	5.56	5.26	NA	6.19	6.51	5.75	5.72
Texas	NA	4.42	4.40	NA	5.31	NA	NA	5.47
Utah	NA	3.41	3.78	3.81	^a 3.75	^a 3.81	3.38	3.69
Vermont	NA	5.23	5.50	NA	5.21	5.24	5.23	5.19
Virginia	6.62	5.56	5.22	5.92	6.81	6.97	5.85	6.65
Washington	NA	4.74	5.07	4.71	NA	4.65	4.79	4.74
West Virginia	NA	6.11	6.05	6.21	^a 6.17	6.09	6.02	5.84
Wisconsin	NA	4.72	4.66	NA	5.62	NA	4.77	5.71
Wyoming	NA	3.72	4.34	3.47	^a 3.45	3.38	3.44	2.89
Total	5.94	5.28	5.17	5.69	5.98	6.07	5.38	5.74

See footnotes at end of table.

Table 21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet) — Continued

State	1996							
	November	October	September	August	July	June	May	April
Alabama	6.30	6.59	6.80	6.87	6.81	6.98	6.40	6.07
Alaska	2.31	2.20	2.00	1.87	2.13	2.19	2.24	2.37
Arizona	4.98	5.12	5.15	5.11	5.06	4.96	4.92	4.97
Arkansas	5.01	4.71	4.86	4.85	4.97	5.11	4.84	4.47
California	5.55	5.75	5.52	5.31	5.56	5.48	5.61	6.05
Colorado	3.32	3.66	3.82	3.92	3.80	3.69	3.54	3.59
Connecticut	7.80	6.17	5.90	5.67	5.86	6.45	7.25	7.72
Delaware	5.95	6.34	6.40	6.83	6.88	6.77	6.02	5.48
District of Columbia	7.72	7.63	7.07	5.65	5.60	6.08	6.04	6.63
Florida	6.44	6.42	6.39	6.40	6.46	6.54	6.63	6.62
Georgia	5.66	6.01	5.80	5.81	6.50	6.99	7.00	5.90
Hawaii	15.43	15.48	14.74	15.06	15.46	14.76	14.53	13.69
Idaho	4.62	4.85	4.90	4.91	4.92	4.77	4.77	4.66
Illinois	4.82	5.22	6.24	7.64	7.07	6.66	6.18	4.99
Indiana	4.63	4.98	5.87	5.84	5.84	5.69	5.27	4.94
Iowa	5.13	5.36	5.65	8.76	6.02	5.15	4.48	3.87
Kansas	5.07	5.21	6.05	6.65	4.14	5.15	5.26	4.85
Kentucky	5.45	5.74	5.89	6.28	5.76	5.57	5.72	4.87
Louisiana	6.57	6.14	5.88	6.10	6.62	6.09	6.53	6.39
Maine	7.58	6.17	6.55	6.57	7.96	6.44	6.31	7.22
Maryland	5.53	5.71	6.09	6.46	6.16	6.16	5.95	5.54
Massachusetts	7.25	4.75	4.84	4.83	5.02	4.74	4.27	7.35
Michigan	4.79	5.18	5.45	6.02	5.85	5.52	4.72	4.51
Minnesota	4.58	3.98	4.26	4.95	4.88	4.67	4.52	4.43
Mississippi	4.76	4.22	4.16	4.05	4.23	4.24	12.58	4.74
Missouri	5.30	5.34	5.92	6.35	6.00	5.61	5.39	5.13
Montana	4.76	5.15	5.36	5.41	5.26	4.83	4.74	4.60
Nebraska	4.03	4.93	3.35	4.37	4.16	4.26	5.40	4.34
Nevada	4.89	5.13	5.14	5.10	4.92	4.92	4.93	4.90
New Hampshire	7.78	5.86	6.14	6.23	6.29	5.91	5.76	5.79
New Jersey	^a 6.53	^a 5.27	4.90	5.12	5.16	5.24	5.59	6.19
New Mexico	2.99	3.23	3.96	3.24	2.67	2.60	3.93	3.19
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	6.65	6.33	6.37	6.35	7.11	5.65	6.22	5.83
North Dakota	3.58	3.80	4.22	4.93	6.39	4.49	3.88	3.89
Ohio	6.14	6.42	6.66	6.87	6.28	5.94	5.60	5.00
Oklahoma	4.76	5.03	5.06	5.07	4.65	4.95	4.93	4.24
Oregon	4.84	5.11	5.13	5.11	5.11	4.85	4.83	4.94
Pennsylvania	6.46	6.78	7.39	7.26	7.24	6.91	6.62	6.62
Rhode Island	7.60	8.04	7.76	7.76	7.92	7.53	7.12	6.07
South Carolina	6.37	5.66	5.76	5.74	5.69	5.27	5.38	6.05
South Dakota	4.20	4.07	5.22	8.54	5.68	5.55	4.72	4.36
Tennessee	5.34	5.55	6.10	6.45	5.96	6.13	6.03	6.02
Texas	4.65	NA	4.44	NA	3.92	3.90	3.90	3.98
Utah	3.80	2.96	3.07	3.32	3.25	3.34	3.01	2.86
Vermont	5.10	5.10	5.18	5.43	5.44	5.55	5.37	5.23
Virginia	5.86	6.00	6.38	6.56	6.64	6.17	5.10	5.58
Washington	4.77	4.86	5.01	5.08	5.14	4.75	4.76	4.78
West Virginia	6.24	5.81	6.25	4.84	4.66	8.05	6.81	6.32
Wisconsin	4.97	3.72	4.01	4.38	4.71	4.25	4.12	4.79
Wyoming	2.44	3.50	3.81	3.66	3.87	3.85	3.73	3.78
Total	^a 5.38	^a 5.30	5.44	5.54	5.43	5.37	5.34	5.29

See footnotes at end of table.

Table 21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet) — Continued

State	1996			1995				
	March	February	January	Total	December	November	October	September
Alabama	6.20	5.77	5.62	5.80	5.48	5.53	5.90	5.93
Alaska	2.34	2.43	2.33	2.27	2.34	2.23	2.08	2.13
Arizona	4.94	4.95	4.90	5.25	4.91	5.10	5.09	5.04
Arkansas	4.34	4.37	4.31	4.09	3.89	4.27	4.32	4.24
California	6.68	6.26	6.82	6.21	7.01	4.67	6.04	6.00
Colorado	3.73	3.59	3.61	4.23	3.78	3.87	4.27	4.76
Connecticut	7.69	8.29	7.37	7.57	8.53	7.48	6.37	6.50
Delaware	5.60	5.30	5.29	5.28	4.97	5.64	5.38	5.64
District of Columbia	8.41	7.83	6.57	6.04	6.01	6.40	5.96	6.03
Florida	6.68	6.39	6.20	5.33	5.66	5.43	5.35	5.30
Georgia	5.41	5.62	5.16	5.20	4.72	4.21	4.96	4.97
Hawaii	13.95	13.50	12.92	13.00	13.46	13.19	13.17	13.22
Idaho	4.42	4.41	4.45	4.87	4.69	5.22	4.96	5.01
Illinois	4.74	4.30	4.06	4.42	4.00	4.11	4.23	5.23
Indiana	4.36	4.18	4.04	4.39	3.93	3.75	4.08	4.60
Iowa	4.13	4.07	4.01	4.14	4.05	4.10	4.04	4.84
Kansas	5.16	5.04	4.81	3.93	4.12	4.07	3.56	3.61
Kentucky	4.54	4.49	4.45	4.60	4.38	4.13	4.55	4.69
Louisiana	5.45	5.33	6.07	5.14	5.85	5.50	5.45	5.21
Maine	7.32	7.32	6.51	6.51	6.48	6.58	5.92	6.05
Maryland	5.97	6.03	5.57	5.06	5.16	5.00	5.18	4.85
Massachusetts	7.39	7.50	7.51	6.59	7.25	6.57	4.73	5.08
Michigan	4.46	4.46	4.41	4.46	4.39	4.49	4.71	5.26
Minnesota	4.37	4.37	4.44	3.98	4.24	3.95	3.94	3.91
Mississippi	4.73	4.43	4.87	4.25	4.68	4.50	2.83	2.61
Missouri	5.26	5.17	4.96	4.39	4.76	4.69	4.52	4.75
Montana	4.61	4.58	4.63	4.92	4.65	4.78	5.09	5.45
Nebraska	4.37	4.53	4.20	3.96	NA	NA	NA	NA
Nevada	4.86	4.84	4.80	5.39	4.88	5.31	5.59	5.63
New Hampshire	7.00	6.94	6.67	6.44	6.70	6.48	5.66	5.95
New Jersey	6.75	6.67	10.42	5.76	6.12	6.81	5.57	4.86
New Mexico	3.38	3.40	2.99	3.74	2.94	3.00	3.39	3.54
New York	NA	NA	NA	6.09	6.16	5.51	5.46	5.73
North Carolina	6.34	6.10	5.39	5.24	5.19	5.18	5.11	5.11
North Dakota	3.78	3.87	3.84	3.90	3.77	3.74	4.42	4.49
Ohio	5.02	5.07	4.68	4.92	4.69	4.66	5.05	5.33
Oklahoma	4.60	4.46	4.48	4.47	4.47	4.33	4.25	4.31
Oregon	4.83	4.82	4.83	5.23	4.98	5.34	5.42	5.55
Pennsylvania	6.07	6.05	5.89	6.28	5.60	5.62	6.22	6.98
Rhode Island	7.29	7.26	7.04	6.41	6.94	5.94	6.35	5.99
South Carolina	6.49	6.66	6.22	6.09	5.78	5.77	5.67	5.60
South Dakota	3.47	4.04	3.54	3.99	3.91	3.85	3.68	5.01
Tennessee	5.99	5.81	5.26	5.18	5.02	4.88	5.16	5.30
Texas	4.32	4.32	4.45	4.09	4.31	4.17	3.99	3.94
Utah	3.69	3.06	3.59	3.65	3.92	3.91	3.24	3.40
Vermont	5.18	5.23	5.27	5.43	5.13	5.23	5.39	5.45
Virginia	5.37	5.86	5.46	5.08	4.92	4.52	5.24	5.18
Washington	4.74	4.74	4.73	5.00	4.89	4.89	4.95	4.91
West Virginia	6.09	6.02	6.00	6.08	6.09	6.04	5.98	6.07
Wisconsin	4.73	4.65	4.78	4.50	4.72	4.43	3.75	3.56
Wyoming	3.83	3.56	3.80	4.23	NA	NA	NA	NA
Total	5.31	5.24	5.30	5.05	5.00	4.77	4.82	4.98

^R = Revised Data.

NA = Not Available.

Notes: Data for 1995 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.

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

Table 22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1995-1997
(Dollars per Thousand Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997			1996	
				March	February	January	Total	December
Alabama	3.89	3.97	3.08	3.15	3.91	4.73	3.72	4.56
Alaska	1.56	1.51	1.44	1.55	1.57	1.55	1.52	1.54
Arizona	4.01	3.92	3.88	4.06	3.71	4.32	3.86	3.87
Arkansas	3.60	3.03	2.96	3.31	3.38	4.01	3.06	3.93
California	4.98	3.86	4.14	4.24	5.30	5.40	3.69	4.26
Colorado	NA	1.80	NA	NA	NA	NA	2.04	3.63
Connecticut	5.59	5.72	4.95	4.91	5.76	6.11	4.80	5.81
Delaware	4.95	3.95	3.32	4.52	5.09	5.29	4.38	5.00
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.61	4.32	3.15	4.42	4.68	4.69	4.30	4.66
Georgia	5.76	4.68	3.65	5.07	5.69	6.45	4.59	5.09
Hawaii	—	—	—	—	—	—	—	—
Idaho ^a	2.76	3.26	3.86	2.74	2.76	2.78	3.02	2.63
Illinois	5.84	4.05	3.98	4.80	5.86	6.49	4.14	4.18
Indiana	4.25	3.30	3.10	4.41	4.21	4.19	3.42	3.71
Iowa	4.20	3.29	3.23	4.04	4.73	3.94	3.61	3.94
Kansas	3.36	2.61	2.24	2.34	3.45	4.36	2.32	4.23
Kentucky	4.59	3.78	3.47	3.97	4.67	4.89	3.87	4.66
Louisiana	NA	3.03	1.77	2.69	NA	4.19	^R 2.81	^R 4.03
Maine	7.04	6.15	5.68	7.08	7.10	6.95	5.31	6.71
Maryland	NA	5.05	3.34	NA	NA	NA	5.43	4.66
Massachusetts	NA	6.81	5.88	7.12	8.35	NA	5.45	7.10
Michigan	4.11	4.05	3.56	4.15	4.02	4.16	4.10	4.17
Minnesota	3.65	2.99	2.91	2.74	3.73	4.69	2.95	4.23
Mississippi	NA	3.49	2.89	NA	^R 4.17	4.45	3.44	4.38
Missouri	5.33	4.57	3.60	4.48	5.94	5.35	4.35	4.86
Montana	1.36	4.80	4.80	4.84	0.51	4.79	4.88	4.87
Nebraska	4.23	3.17	2.97	3.19	4.14	5.16	3.30	4.32
Nevada	5.90	4.96	5.48	4.67	4.64	9.50	4.90	4.67
New Hampshire	7.15	5.56	5.24	6.10	7.97	7.94	4.87	6.93
New Jersey	4.90	4.36	3.54	4.79	5.03	4.89	^R 3.78	^R 4.53
New Mexico	3.19	2.89	4.24	3.40	4.02	3.01	2.63	2.50
New York	NA	5.23	5.00	NA	NA	NA	4.92	5.07
North Carolina	5.40	4.64	3.92	4.80	5.41	5.63	4.35	5.13
North Dakota	3.26	3.32	2.93	1.60	4.94	4.39	3.07	3.96
Ohio	5.94	4.51	4.14	5.49	6.71	5.52	4.90	5.38
Oklahoma	4.67	2.88	2.44	3.90	4.53	5.41	^R 3.07	3.66
Oregon	3.25	3.27	3.45	3.25	3.24	3.25	3.23	3.31
Pennsylvania	5.15	4.34	3.76	4.91	5.25	5.25	4.24	4.55
Rhode Island	5.05	5.45	5.25	4.50	5.52	5.64	4.61	9.56
South Carolina	4.12	4.16	3.36	3.43	4.22	4.74	3.74	4.52
South Dakota	4.12	1.79	3.25	3.00	4.00	4.99	^R 2.57	4.51
Tennessee	NA	3.76	3.82	NA	4.75	4.80	3.80	4.23
Texas	3.13	2.47	1.65	1.99	3.28	4.11	2.61	4.03
Utah	NA	2.09	2.56	2.53	^R 2.44	^R 2.44	2.03	2.20
Vermont	NA	3.54	3.49	NA	3.14	3.32	3.43	3.17
Virginia	4.49	4.61	4.14	4.79	6.00	3.56	4.28	4.43
Washington	NA	2.51	2.81	2.88	NA	4.36	2.70	3.85
West Virginia	NA	2.77	2.63	2.78	^R 3.08	3.44	2.87	3.06
Wisconsin	NA	3.82	3.13	3.50	4.26	NA	3.75	5.10
Wyoming	NA	2.93	3.38	NA	NA	NA	3.01	3.12
Total	4.07	3.50	2.85	3.35	4.21	^R 4.59	^R 3.35	^R 4.25

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1995-1997

(Dollars per Thousand Cubic Feet) — Continued

State	1996							
	November	October	September	August	July	June	May	April
Alabama	3.76	3.30	3.12	3.62	3.57	3.44	3.38	3.68
Alaska	1.50	1.51	1.48	1.54	1.55	1.54	1.52	1.51
Arizona	3.86	3.84	3.82	3.74	3.64	3.90	3.90	3.90
Arkansas	3.39	2.75	2.74	2.77	3.03	2.92	2.93	2.95
California	3.92	3.29	3.53	3.48	3.54	3.29	3.28	3.61
Colorado	2.90	1.92	1.70	1.76	1.72	1.71	1.75	1.70
Connecticut	4.95	4.00	3.98	3.83	4.02	4.07	4.21	4.69
Delaware	4.77	4.68	4.64	4.77	4.73	4.35	4.85	4.04
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.39	4.05	3.96	4.19	4.22	4.24	4.17	4.62
Georgia	3.93	4.33	2.86	4.24	6.99	5.67	4.68	4.28
Hawaii	—	—	—	—	—	—	—	—
Idaho ^a	2.73	3.00	2.99	2.98	3.18	3.04	3.09	3.00
Illinois	4.12	4.20	5.07	5.01	4.84	5.37	4.58	3.27
Indiana	3.48	3.51	3.94	3.94	3.68	3.85	2.49	3.66
Iowa	3.79	3.43	3.91	3.54	4.41	4.26	3.55	3.08
Kansas	3.28	2.28	2.86	2.51	2.56	2.65	2.52	2.27
Kentucky	3.89	3.68	3.61	3.85	3.71	3.59	3.73	3.75
Louisiana	2.92	^b 2.20	2.20	2.35	2.76	2.69	2.54	2.82
Maine	6.67	4.11	4.03	4.03	4.22	4.02	5.12	6.27
Maryland	6.09	7.92	6.28	7.50	6.45	6.17	6.15	5.47
Massachusetts	5.62	4.22	3.81	3.77	4.05	3.80	4.15	5.91
Michigan	4.18	4.34	4.30	4.47	4.57	4.12	3.93	3.92
Minnesota	3.18	2.43	2.35	2.96	2.72	2.55	2.77	2.72
Mississippi	3.52	3.53	2.98	3.15	3.37	3.17	3.09	3.41
Missouri	4.03	3.76	4.14	4.29	4.25	3.89	3.98	4.22
Montana	4.95	5.02	5.04	5.16	5.09	5.01	4.65	4.84
Nebraska	3.63	2.76	2.87	3.41	3.21	^b 3.10	2.93	3.14
Nevada	4.68	5.01	5.10	5.15	4.80	4.86	4.90	4.91
New Hampshire	5.20	7.74	3.53	3.39	3.51	3.43	3.62	4.27
New Jersey	^a 3.43	^a 3.02	3.38	3.09	3.44	3.42	3.66	4.13
New Mexico	2.63	2.75	3.36	2.55	1.66	2.06	7.53	3.30
New York	4.69	4.36	4.31	4.61	4.64	4.54	4.81	5.29
North Carolina	4.63	4.04	4.02	3.81	3.86	3.63	3.83	3.89
North Dakota	2.40	2.32	2.75	3.02	3.38	3.05	3.22	3.34
Ohio	5.58	5.43	5.06	5.33	5.56	4.55	4.73	4.78
Oklahoma	3.13	3.00	3.32	3.10	3.21	3.37	2.90	^b 2.83
Oregon	3.38	3.10	3.18	3.23	3.32	3.25	^a 3.20	3.14
Pennsylvania	4.32	4.09	4.08	3.98	3.93	4.08	4.05	4.24
Rhode Island	4.58	3.67	3.69	3.79	4.26	3.86	4.08	4.42
South Carolina	3.98	3.25	3.26	3.44	3.53	3.35	3.39	3.74
South Dakota	3.52	3.46	4.05	3.85	3.52	3.98	3.39	3.33
Tennessee	3.63	3.30	3.77	3.90	3.58	3.69	3.76	3.98
Texas	3.06	2.07	2.09	2.55	2.77	2.63	2.40	2.54
Utah	2.14	1.90	1.93	1.96	1.90	1.95	1.98	2.00
Vermont	3.19	3.43	3.16	3.30	3.36	3.54	3.73	3.74
Virginia	3.77	4.05	4.33	4.42	3.96	4.13	3.81	5.13
Washington	2.81	2.55	1.95	3.88	2.38	2.82	2.50	2.49
West Virginia	3.17	2.80	2.92	2.50	2.70	2.82	2.75	2.97
Wisconsin	4.37	2.94	3.02	3.36	3.52	3.34	3.29	3.74
Wyoming	3.19	3.16	3.06	3.02	2.97	2.85	3.15	3.09
Total	^a 3.58	^a 2.85	2.83	3.06	3.19	3.12	3.07	^a 3.34

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1995-1997
(Dollars per Thousand Cubic Feet) — Continued

State	1996			1995				
	March	February	January	Total	December	November	October	September
Alabama	3.84	4.10	3.90	2.96	3.16	3.05	2.83	2.99
Alaska	1.52	1.50	1.50	1.45	1.42	1.43	1.44	1.43
Arizona	3.92	3.94	3.91	3.81	4.68	3.99	3.95	3.97
Arkansas	3.04	2.95	3.09	2.78	2.99	2.84	2.52	2.38
California	3.69	3.89	4.35	3.70	3.89	2.71	3.94	3.59
Colorado	1.91	1.72	1.80	2.86	NA	NA	NA	NA
Connecticut	5.21	5.68	6.52	4.39	5.41	4.41	3.79	3.62
Delaware	3.93	4.15	3.79	2.94	3.78	2.88	2.85	2.74
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.26	4.57	4.16	3.28	2.94	3.44	3.37	3.34
Georgia	4.72	4.79	4.84	3.55	3.73	3.27	2.60	3.71
Hawaii	—	—	—	—	—	—	—	—
Idaho ^a	3.18	3.17	3.47	3.67	3.93	3.82	3.34	2.79
Illinois	4.66	3.84	3.59	3.57	3.32	3.22	3.39	3.60
Indiana	3.37	3.53	3.04	3.41	3.54	3.28	3.32	3.54
Iowa	3.35	3.39	3.20	3.23	1.77	3.12	3.25	3.57
Kansas	2.82	2.49	0.78	2.23	2.55	2.39	2.21	2.21
Kentucky	3.82	3.85	3.93	3.26	3.51	3.18	3.11	3.03
Louisiana	3.01	2.75	^R 3.28	1.82	2.27	1.90	1.82	1.69
Maine	6.38	6.50	5.60	4.46	5.43	4.54	3.74	3.70
Maryland	5.19	5.89	4.17	3.21	1.24	4.83	2.61	2.97
Massachusetts	6.52	7.00	6.89	4.43	5.05	4.70	3.80	3.52
Michigan	4.06	4.05	4.04	3.62	3.58	3.63	3.71	3.75
Minnesota	2.90	3.11	2.98	2.45	2.55	2.48	2.41	2.13
Mississippi	3.51	3.20	3.75	2.71	3.46	3.01	1.50	1.47
Missouri	4.92	4.58	4.31	3.48	4.19	3.58	3.02	3.07
Montana	4.74	4.72	4.94	4.87	4.86	4.88	4.98	4.99
Nebraska	3.11	3.20	3.20	2.79	2.91	2.38	2.54	2.79
Nevada	4.96	4.98	4.93	5.34	4.92	5.15	5.23	5.29
New Hampshire	5.43	6.08	5.23	3.80	4.97	3.79	2.99	2.94
New Jersey	4.19	4.83	4.11	3.11	3.53	3.22	2.78	2.60
New Mexico	5.53	3.74	2.30	2.83	1.71	2.21	2.05	2.34
New York	5.14	5.54	5.07	4.69	4.94	4.62	4.08	3.95
North Carolina	4.60	5.02	4.40	3.56	4.03	3.66	3.11	3.29
North Dakota	3.14	3.34	3.44	2.90	3.18	2.94	2.79	2.69
Ohio	4.70	4.38	4.51	3.93	3.91	3.99	3.36	3.80
Oklahoma	2.90	2.87	2.82	2.27	2.67	2.50	1.91	1.81
Oregon	3.27	3.25	3.19	3.41	3.25	3.46	3.31	3.43
Pennsylvania	4.24	4.37	4.41	3.90	3.56	3.44	3.56	9.31
Rhode Island	5.58	5.40	4.68	4.09	4.83	3.33	3.85	3.54
South Carolina	3.97	4.20	4.35	3.11	3.64	3.26	2.96	2.87
South Dakota	1.48	^R 2.11	3.08	3.44	3.20	2.76	4.05	4.26
Tennessee	3.93	4.29	3.48	3.34	3.38	3.16	3.08	3.01
Texas	2.36	2.60	2.45	1.89	2.17	1.81	1.72	1.67
Utah	2.27	1.75	2.26	2.34	2.07	2.20	2.04	2.08
Vermont	3.53	3.62	3.45	3.39	2.98	3.27	3.34	3.72
Virginia	4.31	4.61	4.52	3.35	3.50	2.83	4.00	2.43
Washington	2.56	2.66	2.41	2.74	2.98	2.84	2.57	2.79
West Virginia	2.99	2.93	2.70	2.60	2.77	2.92	2.60	2.43
Wisconsin	3.69	3.64	3.83	2.96	3.57	3.16	2.40	2.24
Wyoming	3.11	2.54	3.14	3.18	NA	NA	NA	NA
Total	3.51	3.54	^R3.46	2.71	3.07	2.68	2.44	2.42

^R = Revised Data.

NA = Not Available.

— = Not Applicable.

Notes: Data for 1995 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.

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

Table 23. Average Price of Natural Gas Delivered to Electric Utility* Consumers, by State, 1996-1997
(Dollars per Thousand Cubic Feet)

State	YTD 1997	YTD 1996	YTD 1995	1997		1996		
				February	January	Total	December	November
Alabama	3.08	3.20	2.09	2.04	4.37	2.95	4.32	3.16
Alaska	1.68	1.31	1.31	1.69	1.68	1.45	1.64	1.63
Arizona	4.81	2.88	1.67	4.01	5.70	3.03	7.53	4.76
Arkansas	3.60	5.21	1.47	1.92	4.18	2.52	3.88	2.62
California	4.43	2.87	2.40	4.14	4.67	2.75	4.55	3.40
Colorado	3.59	1.82	1.70	3.32	3.76	2.09	4.30	2.93
Connecticut	3.20	—	2.18	3.08	3.97	2.76	4.97	3.26
Delaware	3.80	4.63	2.53	2.90	4.87	3.13	4.06	3.65
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.07	3.39	1.97	2.13	4.60	3.12	4.75	3.38
Georgia	3.89	6.01	5.84	8.15	2.08	2.88	6.28	2.50
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.10	3.20	1.59	2.93	3.34	2.62	3.82	3.10
Indiana	4.41	3.67	2.50	3.74	5.04	3.48	4.80	3.86
Iowa	4.47	3.40	2.95	3.74	5.11	3.23	3.77	3.45
Kansas	3.86	2.34	1.72	2.92	4.56	2.25	4.10	2.62
Kentucky	4.36	3.87	2.50	3.69	4.85	3.49	4.64	3.51
Louisiana	3.67	3.88	1.83	2.93	4.35	2.94	4.37	3.12
Maine	—	—	—	—	—	—	—	—
Maryland	5.18	6.22	2.50	5.75	5.04	3.11	5.92	4.02
Massachusetts	4.04	4.80	2.51	3.29	5.37	3.07	4.85	3.85
Michigan	0.58	0.76	0.82	0.59	0.56	0.74	0.55	0.73
Minnesota	2.43	2.11	2.03	3.35	2.26	2.18	2.32	2.19
Mississippi	3.44	5.81	1.69	2.61	4.15	2.78	4.27	3.23
Missouri	5.11	3.11	1.59	4.62	5.41	2.58	4.90	2.61
Montana	5.38	2.50	15.29	9.68	3.54	2.89	1.81	1.66
Nebraska	3.21	2.05	2.01	3.20	3.22	2.07	4.37	2.85
Nevada	2.23	2.09	1.69	2.33	2.14	2.12	2.19	2.37
New Hampshire	—	—	1.85	—	—	—	—	—
New Jersey	4.04	2.79	1.84	3.60	4.65	2.96	4.39	3.16
New Mexico	3.47	2.10	1.65	2.85	4.07	2.31	3.80	2.94
New York	3.64	4.21	2.31	3.35	4.36	2.96	4.22	3.39
North Carolina	6.89	3.07	3.42	—	6.89	3.11	4.41	4.20
North Dakota	—	3.58	3.65	—	—	2.93	2.81	3.92
Ohio	3.97	3.81	2.56	4.16	3.87	3.44	4.27	3.92
Oklahoma	4.28	3.58	2.41	4.36	4.21	2.98	4.43	3.61
Oregon	1.96	—	1.56	—	1.96	1.33	2.01	1.42
Pennsylvania	3.73	4.79	2.53	2.91	4.65	2.85	4.57	3.31
Rhode Island	3.63	2.41	—	4.09	3.18	2.29	3.14	2.34
South Carolina	6.20	4.30	3.54	4.22	6.95	4.56	5.08	4.47
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.39	2.54	2.00	2.85	3.89	2.51	3.80	2.82
Utah	—	20.25	2.68	—	—	—	—	—
Vermont	4.19	3.06	1.85	3.60	5.05	3.22	4.42	3.37
Virginia	2.87	2.27	2.77	1.80	3.13	2.98	3.42	2.04
Washington	4.95	4.96	4.45	4.50	5.11	4.98	4.75	5.03
West Virginia	6.10	4.26	3.58	7.68	3.15	2.99	2.94	2.87
Wisconsin	3.94	2.73	2.37	3.42	4.74	3.04	4.29	3.48
Wyoming	8.78	13.48	10.08	2.47	13.99	12.59	26.41	17.57
Total	3.50	2.97	2.07	2.98	4.04	2.69	3.98	3.05

See footnotes at end of table.

Table 23. Average Price of Natural Gas Delivered to Electric Utility* Consumers, by State, 1996-1997

(Dollars per Thousand Cubic Feet) — Continued

State	1996							
	October	September	August	July	June	May	April	March
Alabama	2.27	2.14	2.66	3.04	2.71	2.59	3.10	3.29
Alaska	1.73	1.71	1.66	1.58	1.47	1.04	1.16	1.30
Arizona	2.53	2.98	2.61	3.09	3.33	4.43	2.30	2.31
Arkansas	1.36	1.89	2.47	2.57	2.40	2.30	2.54	2.71
California	2.60	2.51	2.63	2.32	2.41	2.59	2.49	2.83
Colorado	2.47	1.54	1.72	2.32	1.52	1.85	2.06	1.79
Connecticut	2.78	2.30	2.78	3.01	2.69	2.62	2.79	—
Delaware	2.32	2.32	2.35	3.39	3.01	3.19	4.14	2.89
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.56	2.59	2.99	3.28	3.09	2.91	3.18	3.50
Georgia	3.08	2.72	2.51	2.23	3.25	3.80	5.05	5.18
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.12	1.98	2.25	2.70	2.60	2.43	3.03	3.12
Indiana	3.38	2.99	2.95	3.14	3.32	3.21	3.40	3.85
Iowa	2.95	1.80	2.87	2.83	2.55	2.64	3.82	5.45
Kansas	1.88	1.81	2.35	2.19	2.16	2.13	2.45	2.18
Kentucky	2.82	2.59	3.05	3.36	3.15	3.78	3.40	3.72
Louisiana	2.25	2.16	2.64	2.96	2.72	2.63	2.99	3.25
Maine	—	—	—	—	—	—	—	—
Maryland	2.65	2.85	2.49	3.25	3.12	3.13	3.97	5.72
Massachusetts	2.69	2.33	2.71	3.37	3.03	3.08	3.62	4.17
Michigan	0.55	0.59	0.91	0.73	0.88	0.90	0.71	0.83
Minnesota	2.14	2.14	2.10	2.14	2.09	2.36	2.63	2.43
Mississippi	2.10	2.00	2.52	2.85	2.64	2.49	2.95	3.50
Missouri	2.38	2.24	2.41	2.63	2.50	2.42	2.20	3.37
Montana	0.65	6.59	6.79	3.49	4.69	5.95	8.98	20.05
Nebraska	1.85	1.81	2.16	2.27	1.74	1.58	1.94	2.39
Nevada	2.71	1.96	2.20	1.83	2.06	1.90	2.08	2.14
New Hampshire	—	—	—	—	—	—	—	—
New Jersey	2.36	2.42	2.79	3.15	3.14	3.37	3.50	3.67
New Mexico	2.17	1.94	2.33	2.01	1.99	2.04	2.17	2.23
New York	2.37	2.26	2.74	3.06	2.89	2.80	3.35	3.72
North Carolina	2.55	2.80	3.31	3.51	2.93	2.66	3.23	—
North Dakota	2.94	—	3.32	2.71	2.81	2.91	—	—
Ohio	2.96	2.80	2.70	3.18	3.51	2.99	3.48	3.74
Oklahoma	2.93	2.38	2.64	2.70	2.72	2.95	3.15	3.35
Oregon	1.42	1.27	1.24	1.25	—	—	—	—
Pennsylvania	2.70	1.67	2.63	3.52	2.74	3.38	2.64	3.61
Rhode Island	1.81	1.78	2.32	2.27	2.13	2.10	2.36	2.37
South Carolina	5.32	4.01	4.67	3.94	3.69	4.75	4.44	4.72
South Dakota	—	—	—	2.36	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.23	2.10	2.45	2.63	2.46	2.35	2.48	2.35
Utah	—	1.50	1.67	1.57	2.39	—	—	—
Vermont	2.68	2.70	3.15	3.45	3.17	—	2.72	—
Virginia	3.77	2.93	2.83	3.36	3.14	3.61	1.51	3.09
Washington	4.35	4.01	4.98	6.14	5.52	4.05	4.22	5.51
West Virginia	3.69	—	3.28	3.35	3.31	2.82	3.00	2.70
Wisconsin	2.55	2.38	2.87	2.97	2.56	2.71	3.01	4.19
Wyoming	17.64	3.19	7.72	3.19	6.99	3.44	30.24	18.59
Total	2.37	2.24	2.57	2.69	2.59	2.52	2.68	2.74

See footnotes at end of table.

Table 23. Average Price of Natural Gas Delivered to Electric Utility* Consumers, by State, 1996-1997
(Dollars per Thousand Cubic Feet) — Continued

State	1996		1995					
	February	January	Total	December	November	October	September	August
Alabama	2.82	3.71	2.01	2.68	2.19	2.02	1.94	1.75
Alaska	1.29	1.32	1.29	1.24	1.30	1.28	1.29	1.13
Arizona	3.19	2.71	1.77	2.35	1.94	1.84	1.92	1.59
Arkansas	7.11	2.02	1.74	2.68	1.80	1.83	1.68	1.63
California	3.16	2.68	2.28	2.57	2.32	2.37	2.08	2.02
Colorado	1.83	1.80	1.74	1.90	1.73	1.82	1.90	1.72
Connecticut	—	—	2.01	—	2.10	1.85	1.80	1.82
Delaware	4.63	4.63	2.34	3.70	2.64	2.13	2.06	2.00
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.83	3.87	2.26	3.07	2.43	2.29	2.22	2.11
Georgia	4.90	7.30	2.79	4.55	3.67	3.14	3.06	2.76
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.24	3.19	1.71	2.48	2.04	1.78	1.68	1.59
Indiana	3.98	3.39	2.49	3.01	2.72	2.78	2.49	2.31
Iowa	3.44	3.36	2.72	2.94	3.02	2.73	2.71	2.52
Kansas	2.46	2.28	1.58	2.06	1.58	1.50	1.57	1.49
Kentucky	3.57	3.96	3.01	3.14	2.57	2.87	2.50	2.42
Louisiana	4.04	3.72	1.88	2.72	2.08	1.93	1.85	1.67
Maine	—	—	—	—	—	—	—	—
Maryland	6.54	6.01	2.24	5.16	2.80	2.51	2.03	2.10
Massachusetts	3.70	6.47	2.06	3.92	2.59	2.02	1.93	1.81
Michigan	0.90	0.65	0.73	0.61	0.71	0.43	0.77	1.09
Minnesota	2.13	2.10	1.77	2.11	2.19	1.60	1.67	1.69
Mississippi	8.16	4.08	1.78	2.76	1.96	1.90	1.73	1.60
Missouri	3.12	3.11	1.69	2.38	2.10	1.88	1.91	1.71
Montana	3.68	1.86	3.84	3.84	1.40	7.42	2.07	1.55
Nebraska	2.19	1.96	1.65	1.91	1.67	1.50	1.51	1.54
Nevada	2.22	1.99	1.71	2.02	1.80	1.82	1.75	1.53
New Hampshire	—	—	1.86	—	—	1.93	1.81	1.71
New Jersey	2.85	2.76	2.18	3.12	2.63	2.26	2.12	2.09
New Mexico	2.16	2.07	1.57	1.83	1.74	1.65	1.64	1.44
New York	3.91	4.49	2.13	3.10	2.58	2.03	1.93	1.89
North Carolina	—	3.07	2.40	—	3.04	2.07	2.00	2.45
North Dakota	—	3.58	3.71	3.58	3.59	—	4.07	—
Ohio	3.54	3.94	2.34	3.04	2.28	2.66	2.16	2.38
Oklahoma	4.13	3.13	2.34	2.88	2.78	2.95	2.16	2.07
Oregon	—	—	1.31	1.53	1.73	1.42	1.01	0.94
Pennsylvania	5.41	4.57	2.04	2.63	2.72	1.90	1.80	1.77
Rhode Island	2.45	2.38	1.90	2.06	1.70	1.76	2.05	2.00
South Carolina	4.35	4.23	1.64	3.70	3.55	1.55	1.59	1.56
South Dakota	—	—	1.58	2.39	2.02	—	1.64	1.37
Tennessee	—	—	—	—	—	—	—	—
Texas	2.60	2.48	1.93	2.42	2.09	1.96	1.89	1.79
Utah	20.25	—	2.26	—	2.40	1.80	1.52	1.43
Vermont	—	3.06	1.95	1.96	1.85	2.13	2.31	2.29
Virginia	1.99	2.41	2.67	3.32	2.44	2.58	2.36	2.24
Washington	4.90	4.98	4.60	4.21	3.99	5.97	3.54	4.37
West Virginia	2.75	5.00	3.58	3.09	4.92	2.57	3.30	1.86
Wisconsin	2.88	2.64	2.23	2.65	2.51	2.30	2.37	2.06
Wyoming	23.99	6.80	8.32	16.25	12.28	4.15	4.56	14.93
Total	3.07	2.88	2.02	2.58	2.22	2.09	1.95	1.84

* Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

— = Not Applicable.

Notes: Data for 1995 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 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997

State	YTD 1997		YTD 1996		YTD 1995		1997	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	March	
							Commercial	Industrial
Alabama	78.1	17.3	82.9	17.7	84.7	27.6	76.2	17.9
Alaska	67.3	97.9	73.7	97.5	88.5	74.8	59.4	98.6
Arizona	87.3	22.5	88.8	25.0	91.2	25.9	86.5	22.8
Arkansas	96.0	14.4	96.4	15.6	97.2	15.9	94.9	12.2
California	57.1	11.3	60.2	12.9	61.4	15.7	54.5	11.0
Colorado	NA	NA	95.2	19.5	95.7	24.8	NA	NA
Connecticut	89.2	72.9	93.2	94.9	86.8	87.0	87.0	68.2
Delaware	100.0	33.6	100.0	57.6	100.0	63.9	100.0	34.7
District of Columbia	63.3	—	82.8	—	83.7	—	59.5	—
Florida	96.5	7.3	96.9	13.1	97.2	17.5	97.0	6.7
Georgia	92.0	18.4	96.1	33.0	95.7	43.7	88.9	15.7
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	88.5	2.1	89.0	1.3	88.6	2.1	87.8	2.1
Illinois	57.5	11.2	58.8	15.8	53.8	14.0	54.4	10.3
Indiana	91.5	17.6	95.5	25.0	89.7	19.6	86.5	12.7
Iowa	89.6	8.1	90.0	9.1	91.7	9.8	88.5	7.4
Kansas	71.8	10.6	79.3	22.4	81.6	10.4	60.1	11.4
Kentucky	91.1	19.2	91.9	33.4	90.7	26.3	89.6	15.5
Louisiana	80.6	NA	99.6	16.5	98.0	32.2	64.5	10.9
Maine	100.0	97.1	100.0	95.4	100.0	100.0	100.0	91.8
Maryland	NA	NA	94.3	20.5	98.1	23.2	NA	NA
Massachusetts	NA	NA	82.3	31.4	89.7	32.2	70.9	34.4
Michigan	68.5	10.1	73.0	9.9	72.0	13.8	66.4	12.8
Minnesota	98.8	43.3	95.3	39.1	93.9	30.2	99.0	47.3
Mississippi	NA	NA	99.5	41.6	97.3	44.6	96.3	NA
Missouri	83.3	23.9	87.8	27.4	87.7	26.9	83.9	27.3
Montana	91.4	13.5	92.4	4.8	92.7	2.9	90.4	4.1
Nebraska	82.2	25.6	82.7	28.6	80.5	21.3	70.8	21.8
Nevada	78.3	2.6	79.8	2.1	80.9	2.2	78.1	7.3
New Hampshire	97.4	50.4	99.3	60.6	99.6	64.4	94.0	53.6
New Jersey	74.9	52.0	77.5	51.0	92.5	58.0	67.5	34.5
New Mexico	72.6	11.6	64.1	1.4	64.2	3.0	70.5	3.9
New York	NA	NA	NA	18.7	81.0	16.1	NA	NA
North Carolina	96.4	52.0	95.2	83.8	95.5	50.0	91.6	30.2
North Dakota	93.0	51.9	91.3	26.1	84.8	23.9	91.4	59.4
Ohio	70.4	5.2	76.5	8.1	80.0	10.3	69.2	5.5
Oklahoma	89.9	7.4	90.9	9.5	90.1	20.8	88.1	5.9
Oregon	98.8	18.8	99.0	25.5	98.4	29.1	98.8	19.6
Pennsylvania	68.0	16.4	76.7	20.7	74.8	19.5	64.3	15.4
Rhode Island	87.8	16.6	93.7	10.1	100.0	10.1	82.2	61.7
South Carolina	98.7	81.7	100.8	83.8	97.4	78.1	97.4	80.3
South Dakota	86.3	29.7	87.6	54.0	91.0	38.5	86.3	26.7
Tennessee	NA	NA	95.5	39.9	95.1	48.0	NA	NA
Texas	NA	17.4	71.0	20.6	72.6	29.5	NA	18.0
Utah	NA	NA	84.1	9.6	84.7	12.6	83.0	6.7
Vermont	NA	NA	100.0	100.0	100.0	100.0	NA	NA
Virginia	82.5	15.2	94.6	13.2	89.9	19.3	77.1	13.2
Washington	NA	NA	88.6	31.9	94.2	39.5	86.0	27.3
West Virginia	NA	NA	55.2	16.0	57.2	14.2	59.5	19.8
Wisconsin	NA	NA	95.8	42.4	93.6	51.0	NA	28.4
Wyoming	NA	NA	93.9	0.7	92.9	3.0	54.7	NA
Total	70.8	16.9	76.0	20.0	81.5	26.7	68.6	16.4

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

State	1997				1996			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	79.7	19.5	77.7	14.6	64.9	13.5	76.7	14.6
Alaska	71.1	97.9	69.5	97.1	70.3	96.2	70.6	97.3
Arizona	88.0	24.9	87.4	19.9	83.7	20.6	84.0	22.6
Arkansas	96.6	15.5	96.1	15.4	94.2	16.4	95.7	16.8
California	58.5	11.1	58.0	11.7	53.9	10.7	55.7	9.4
Colorado	NA	NA	NA	NA	87.7	21.0	95.2	20.5
Connecticut	90.2	78.8	90.1	76.0	87.1	84.0	88.1	81.8
Delaware	100.0	35.5	100.0	30.8	100.0	37.7	100.0	34.5
District of Columbia	62.5	—	67.6	—	71.8	—	66.1	—
Florida	96.6	8.0	96.1	8.2	79.1	8.9	96.3	9.2
Georgia	92.5	20.2	93.4	19.3	84.9	20.8	92.4	23.5
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	89.7	2.2	87.8	1.9	86.6	1.4	87.6	2.5
Illinois	54.3	9.4	62.0	13.7	53.2	11.4	55.8	19.0
Indiana	93.0	19.8	93.7	20.1	85.6	15.9	93.8	22.0
Iowa	89.4	7.2	90.3	9.6	85.6	9.0	86.8	11.7
Kansas	65.7	13.2	88.8	8.2	58.0	11.8	67.8	9.8
Kentucky	90.8	19.4	92.0	22.0	82.2	20.9	90.7	19.7
Louisiana	^a 97.8	NA	80.1	9.5	^a 91.1	^a 9.1	^a 97.9	^a 10.9
Maine	100.0	100.0	100.0	100.0	100.0	91.0	100.0	90.2
Maryland	NA	NA	NA	NA	89.4	11.1	84.1	19.1
Massachusetts	67.3	36.8	NA	NA	72.2	24.4	68.7	29.5
Michigan	69.4	14.2	69.2	14.7	60.6	5.9	68.6	12.2
Minnesota	98.7	45.5	98.6	37.1	91.8	^a 36.8	97.3	42.5
Mississippi	^a 96.0	^a 38.0	96.9	38.4	84.7	34.0	96.5	38.1
Missouri	79.9	19.1	86.3	27.7	80.3	23.0	84.4	32.5
Montana	93.0	28.6	90.9	4.4	90.3	3.6	89.5	4.6
Nebraska	92.8	27.0	75.6	28.2	68.5	^a 24.6	76.3	27.9
Nevada	79.7	15.2	77.2	8.3	74.9	1.6	75.3	8.0
New Hampshire	99.1	52.1	98.8	44.2	99.0	58.6	98.5	50.3
New Jersey	93.5	36.0	69.0	40.8	^a 72.6	^a 49.1	^a 70.5	^a 20.3
New Mexico	72.6	2.1	74.1	19.4	56.4	2.8	69.8	15.1
New York	NA	NA	NA	NA	NA	9.8	NA	13.6
North Carolina	95.9	39.6	100.0	90.1	92.0	49.4	99.0	90.4
North Dakota	93.9	49.5	93.4	43.3	86.3	28.3	88.6	40.6
Ohio	68.5	5.6	72.9	4.7	69.5	5.2	74.0	4.2
Oklahoma	90.5	8.7	90.7	7.4	83.5	^a 6.9	89.8	7.4
Oregon	98.9	20.2	98.8	17.0	98.3	^a 18.0	98.6	16.0
Pennsylvania	69.8	14.9	69.3	18.9	69.3	15.6	63.4	20.3
Rhode Island	91.7	45.9	89.6	38.1	91.6	16.4	89.4	45.8
South Carolina	98.2	78.2	100.0	86.8	81.4	64.7	100.0	86.5
South Dakota	85.7	30.4	86.9	31.4	82.7	^a 34.6	82.8	33.3
Tennessee	92.5	28.7	94.0	35.9	77.4	28.2	92.4	32.2
Texas	67.7	16.0	NA	17.9	NA	18.6	72.7	17.6
Utah	^a 87.2	^a 10.7	^a 86.2	^a 10.2	81.9	9.2	84.4	10.0
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	81.9	6.8	87.5	15.5	73.0	13.1	85.9	14.9
Washington	NA	NA	87.8	26.7	85.9	23.8	87.4	26.5
West Virginia	^a 68.7	^a 13.9	67.0	14.4	45.2	13.4	69.2	13.9
Wisconsin	93.4	31.0	NA	NA	75.1	30.9	93.7	30.5
Wyoming	^a 74.0	NA	76.1	NA	52.4	0.6	42.4	0.7
Total	71.2	16.3	^a72.0	17.9	70.5	^a17.4	^a71.0	^a17.9

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

State	1996							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	68.7	14.4	66.4	12.6	68.5	12.8	67.8	12.4
Alaska	67.3	97.7	63.7	97.8	60.8	100.0	64.1	91.0
Arizona	84.1	20.7	83.2	19.1	83.5	19.1	78.4	20.5
Arkansas	94.0	15.2	90.2	14.5	88.9	21.3	91.5	16.3
California	57.5	10.4	43.7	9.1	44.9	9.6	44.3	8.8
Colorado	93.9	23.3	91.0	27.9	92.0	25.7	89.0	21.9
Connecticut	84.2	76.9	81.5	74.1	69.2	73.5	77.8	73.0
Delaware	100.0	34.6	100.0	30.7	100.0	27.5	100.0	26.1
District of Columbia	56.0	—	48.8	—	47.8	—	53.0	—
Florida	97.1	8.0	97.5	8.8	97.7	7.2	97.3	8.0
Georgia	91.4	19.4	89.6	21.3	85.4	26.7	87.0	21.2
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	84.9	0.5	77.3	1.6	80.0	1.3	82.0	1.7
Illinois	52.7	11.5	48.5	7.3	42.8	5.5	42.7	5.0
Indiana	89.5	15.4	87.9	12.9	70.7	8.1	74.3	9.1
Iowa	86.1	18.3	81.0	9.8	76.3	5.6	91.9	8.2
Kansas	79.8	8.2	69.3	11.4	69.3	10.2	34.1	10.3
Kentucky	87.3	17.9	87.5	17.4	81.8	15.4	82.9	15.2
Louisiana	^a 98.1	9.4	98.6	^a 9.5	98.8	9.0	97.4	10.5
Maine	100.0	91.5	100.0	91.3	100.0	89.1	100.0	88.0
Maryland	88.7	2.0	83.9	3.5	86.8	1.6	79.5	3.5
Massachusetts	62.1	40.2	69.5	34.8	55.0	30.2	61.1	34.8
Michigan	65.5	9.1	54.0	5.2	42.7	3.1	39.5	3.4
Minnesota	97.2	41.2	98.1	35.7	93.8	34.4	93.3	37.6
Mississippi	91.3	38.9	95.3	27.9	96.7	34.4	97.5	35.9
Missouri	78.4	27.4	69.0	16.8	67.0	17.8	57.7	13.0
Montana	87.7	4.7	87.1	2.9	85.6	2.2	86.9	1.5
Nebraska	68.3	28.0	39.4	19.2	64.4	22.0	52.9	21.7
Nevada	71.5	7.6	64.9	5.4	68.4	5.5	67.6	5.8
New Hampshire	98.9	63.8	98.6	55.9	98.2	55.9	98.2	53.6
New Jersey	^a 69.7	^a 34.1	^a 67.5	^a 30.1	60.3	34.4	60.3	38.8
New Mexico	66.4	5.5	61.3	2.7	59.4	1.6	61.1	1.8
New York	NA	10.6	NA	10.7	NA	11.1	NA	11.0
North Carolina	91.9	43.0	85.4	24.3	85.9	21.4	88.3	30.6
North Dakota	88.7	46.9	77.2	33.3	72.4	21.7	73.1	9.2
Ohio	72.4	10.5	68.4	2.8	65.0	3.1	53.8	2.7
Oklahoma	85.2	7.9	78.2	5.2	78.3	5.2	74.5	5.9
Oregon	98.3	14.4	97.0	14.2	97.5	14.0	98.0	13.6
Pennsylvania	66.3	16.7	63.5	13.1	66.3	13.7	49.0	14.4
Rhode Island	87.6	55.7	67.0	57.2	50.5	51.4	87.1	50.4
South Carolina	96.8	82.2	95.6	79.3	96.6	80.6	96.6	80.7
South Dakota	80.7	34.1	72.9	15.8	68.6	12.3	66.9	13.5
Tennessee	91.6	30.9	83.5	33.8	75.9	23.6	83.6	30.4
Texas	61.7	17.2	NA	20.6	50.3	16.7	NA	17.2
Utah	81.2	9.6	79.5	9.7	78.4	8.6	71.9	7.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	83.0	14.4	72.5	7.0	62.4	7.7	72.2	6.6
Washington	84.6	21.6	82.7	19.3	81.5	19.9	80.1	11.7
West Virginia	52.0	14.4	41.0	13.0	32.5	11.6	41.9	12.5
Wisconsin	93.0	30.6	96.3	28.4	96.8	24.9	97.5	25.0
Wyoming	58.8	0.2	44.2	0.2	96.1	0.9	95.1	0.9
Total	^a 68.8	16.6	^a 62.1	15.8	59.1	14.6	58.8	14.8

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

State	1996							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	69.2	13.3	71.0	13.6	76.4	15.0	80.5	16.6
Alaska	61.8	88.7	65.2	93.7	68.9	98.5	71.9	98.5
Arizona	82.1	19.6	83.6	21.1	84.8	29.2	83.7	22.5
Arkansas	88.5	18.3	94.2	19.1	92.4	18.8	96.3	17.9
California	48.0	11.5	53.0	10.4	52.2	11.6	63.7	12.4
Colorado	89.8	25.3	93.6	20.4	93.6	18.5	94.2	17.9
Connecticut	81.3	82.0	79.2	90.3	78.6	92.4	89.9	94.5
Delaware	100.0	26.2	100.0	38.2	100.0	31.7	100.0	28.5
District of Columbia	62.6	—	71.2	—	71.1	—	87.8	—
Florida	97.6	8.2	97.7	9.1	97.8	10.8	97.7	11.6
Georgia	87.6	13.5	87.8	17.4	91.4	23.5	94.3	26.8
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	82.4	1.1	86.0	1.7	85.7	1.3	87.2	1.3
Illinois	39.3	4.9	43.8	4.4	49.3	7.9	53.4	12.4
Indiana	79.1	8.6	78.0	4.9	86.8	40.5	94.4	19.6
Iowa	76.5	4.8	87.6	5.4	90.4	6.8	89.4	7.3
Kansas	43.3	10.0	53.5	12.1	50.6	17.9	64.7	15.8
Kentucky	83.2	21.4	88.6	13.8	81.6	19.4	88.8	27.9
Louisiana	99.1	10.2	96.7	10.5	94.4	9.6	98.9	10.0
Maine	100.0	88.7	100.0	89.8	100.0	90.1	100.0	86.5
Maryland	77.4	6.0	87.4	8.1	93.0	10.7	90.9	17.5
Massachusetts	68.0	36.8	70.6	39.4	78.7	38.2	80.0	43.3
Michigan	42.3	3.3	44.2	4.6	62.6	7.1	66.8	11.1
Minnesota	94.4	38.3	95.6	33.8	97.2	32.4	97.0	50.0
Mississippi	96.9	33.0	96.3	34.9	97.0	35.1	96.9	36.9
Missouri	61.7	19.4	72.0	23.4	78.5	24.6	84.4	25.8
Montana	87.4	1.8	90.5	1.8	90.5	2.8	92.4	4.0
Nebraska	50.8	21.7	64.5	^a 18.0	71.5	23.4	74.7	24.3
Nevada	71.1	6.0	73.7	6.8	75.1	6.7	77.3	8.5
New Hampshire	98.0	54.9	98.5	58.3	98.9	66.9	99.1	60.6
New Jersey	61.3	38.4	64.4	30.7	67.6	39.9	72.2	34.8
New Mexico	64.2	0.7	64.1	1.7	45.8	0.3	56.4	0.9
New York	NA	11.1	NA	12.4	NA	13.2	NA	14.5
North Carolina	95.9	61.4	90.5	44.7	91.2	35.9	99.7	77.1
North Dakota	72.2	8.5	62.2	12.5	88.4	20.1	84.6	27.0
Ohio	56.3	2.1	42.0	2.8	63.1	4.3	72.2	5.9
Oklahoma	76.4	5.3	78.7	5.2	82.8	3.7	93.0	^a 8.2
Oregon	98.1	13.6	98.3	16.3	98.1	18.1	98.1	23.7
Pennsylvania	63.8	15.8	63.6	14.4	68.2	15.9	72.2	18.5
Rhode Island	84.4	42.2	92.1	57.0	97.9	62.0	97.8	59.4
South Carolina	100.0	87.2	97.1	77.3	97.5	78.0	100.0	86.4
South Dakota	67.1	15.1	74.5	11.9	78.7	18.3	85.0	25.0
Tennessee	91.1	39.5	86.9	35.0	89.1	32.8	94.9	43.8
Texas	65.0	24.7	60.4	20.8	61.7	20.5	66.6	19.5
Utah	73.3	7.4	72.9	9.5	77.7	9.0	82.3	10.2
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	65.8	7.2	63.9	9.6	78.0	15.4	83.7	14.6
Washington	80.0	21.1	82.0	21.8	84.5	23.2	84.4	26.0
West Virginia	41.5	12.8	25.2	12.2	42.9	12.6	51.4	12.8
Wisconsin	85.7	25.9	92.9	26.2	93.3	31.0	93.7	35.6
Wyoming	98.8	0.7	89.4	0.8	58.5	0.8	60.2	0.7
Total	60.7	17.2	62.6	15.6	67.1	^a 17.4	72.3	18.7

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

State	1996						1995	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.8	17.3	85.6	18.5	81.5	17.7	80.1	23.4
Alaska	76.3	97.7	79.1	98.4	73.7	96.3	79.9	52.1
Arizona	86.9	24.2	90.2	27.0	89.5	24.4	88.4	24.7
Arkansas	95.6	15.0	96.9	16.5	96.4	15.6	96.0	14.2
California	63.3	12.5	58.7	15.3	59.5	13.9	52.1	13.2
Colorado	94.8	16.8	96.2	17.6	95.3	24.9	94.2	8.5
Connecticut	93.1	96.6	93.2	98.2	93.4	95.1	82.0	90.1
Delaware	100.0	56.9	100.0	57.6	100.0	58.3	100.0	67.6
District of Columbia	84.6	—	83.8	—	80.5	—	76.8	—
Florida	96.9	11.5	97.1	11.7	98.8	15.4	97.6	16.2
Georgia	96.5	30.4	97.9	33.0	97.4	34.0	93.5	35.7
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	88.2	1.4	90.1	1.3	88.8	1.1	86.0	2.2
Illinois	59.3	16.5	59.3	16.3	58.0	15.2	50.4	11.0
Indiana	95.4	24.0	96.8	25.6	95.7	24.5	87.8	14.2
Iowa	88.2	8.2	91.6	8.1	90.2	10.9	89.3	8.2
Kansas	73.9	14.4	83.7	14.7	79.6	25.7	73.6	12.9
Kentucky	91.2	32.3	90.8	32.9	92.7	32.6	89.2	27.7
Louisiana	97.6	9.4	98.4	10.1	99.7	^a 12.2	98.1	31.0
Maine	100.0	87.1	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	91.1	21.8	96.9	19.0	94.7	20.7	96.9	13.3
Massachusetts	82.2	37.3	83.2	41.0	83.9	44.0	84.9	53.4
Michigan	71.6	11.7	70.6	13.7	72.2	13.7	66.4	12.2
Minnesota	96.9	^a 41.6	97.6	37.6	95.9	38.0	93.7	34.6
Mississippi	96.6	38.2	97.8	38.8	97.9	47.8	97.0	42.4
Missouri	85.4	23.9	89.7	32.9	87.4	26.1	83.3	22.4
Montana	91.6	5.0	93.5	5.6	92.0	4.5	91.6	3.1
Nebraska	82.0	25.9	82.3	29.5	83.7	31.2	77.1	16.5
Nevada	78.9	8.7	81.1	10.0	79.7	10.0	76.5	7.7
New Hampshire	99.2	57.4	99.3	61.1	99.3	64.0	99.2	64.4
New Jersey	77.3	41.8	79.1	35.1	79.9	36.8	86.3	52.9
New Mexico	57.9	0.4	60.2	0.5	70.2	2.8	60.3	6.6
New York	NA	23.8	NA	18.4	NA	18.3	76.2	17.4
North Carolina	99.9	88.4	99.8	66.9	99.9	93.4	92.4	46.9
North Dakota	90.5	21.9	92.9	25.0	90.4	31.7	80.9	18.2
Ohio	76.0	7.2	76.0	9.8	77.3	8.3	76.3	7.4
Oklahoma	91.4	9.0	93.2	11.1	91.5	8.7	85.2	15.2
Oregon	98.6	25.5	98.8	26.6	98.4	26.5	98.1	25.5
Pennsylvania	76.5	25.5	77.8	23.6	76.4	15.5	68.4	16.3
Rhode Island	98.5	90.7	99.3	84.1	100.0	39.4	100.0	11.1
South Carolina	100.0	83.6	100.0	81.4	100.0	81.9	96.4	81.4
South Dakota	84.7	71.4	87.9	^a 42.8	89.9	31.0	86.9	27.6
Tennessee	91.6	44.5	96.8	38.2	96.7	39.8	93.8	47.6
Texas	63.1	17.7	75.9	23.7	71.4	21.5	68.6	25.5
Utah	82.8	9.4	85.6	10.0	84.0	9.4	81.8	11.0
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.8	13.0	96.5	13.8	96.9	14.8	84.1	14.8
Washington	87.6	31.3	89.8	31.2	89.1	33.0	91.8	32.9
West Virginia	60.7	14.7	62.3	16.6	60.3	19.2	51.6	14.4
Wisconsin	95.6	46.1	96.1	42.8	95.4	40.8	92.0	46.6
Wyoming	94.2	0.7	94.1	0.6	93.3	0.7	93.6	2.8
Total	74.6	19.3	76.9	^a20.6	76.3	^a20.1	76.7	24.5

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1995-1997 — Continued

State	1995							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	81.1	25.8	72.8	21.6	72.0	22.2	73.1	20.6
Alaska	77.9	60.6	72.9	64.3	69.2	57.8	72.1	31.0
Arizona	87.2	25.1	87.9	21.3	88.4	19.2	86.5	19.5
Arkansas	100.0	9.7	92.6	15.5	91.8	15.3	92.3	13.7
California	50.9	11.2	48.7	11.1	43.4	9.4	39.9	9.8
Colorado	93.8	9.0	93.5	11.3	89.8	11.2	89.3	8.9
Connecticut	91.7	96.1	87.7	99.5	81.6	94.7	72.1	93.0
Delaware	100.0	57.4	100.0	66.6	100.0	69.2	100.0	67.8
District of Columbia	77.4	—	74.6	—	64.8	—	61.6	—
Florida	96.7	17.7	97.4	18.0	97.8	15.2	98.1	14.3
Georgia	97.2	46.2	94.8	37.8	91.1	38.4	87.9	26.9
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	85.5	1.1	85.9	1.3	77.1	0.6	80.4	2.8
Illinois	53.3	14.5	51.8	13.3	46.6	8.4	39.6	6.3
Indiana	93.4	18.2	90.7	16.8	80.9	11.3	77.9	8.9
Iowa	91.2	9.9	89.6	12.0	86.9	10.0	80.7	6.2
Kansas	70.7	15.6	88.7	14.9	76.3	16.1	62.5	14.6
Kentucky	92.7	34.6	91.0	30.6	85.7	28.3	81.7	31.7
Louisiana	97.6	30.7	97.3	32.6	98.6	29.8	98.3	29.9
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	97.0	12.0	95.6	6.5	94.7	8.7	95.6	9.8
Massachusetts	79.5	48.1	81.6	53.7	81.0	54.4	77.5	46.1
Michigan	72.5	16.2	68.0	12.1	57.1	7.3	46.9	7.8
Minnesota	94.6	36.3	90.4	40.2	93.8	36.7	93.8	37.6
Mississippi	95.5	40.3	95.6	41.9	98.0	42.8	98.3	44.9
Missouri	85.7	24.3	78.7	20.1	71.8	17.2	71.4	19.7
Montana	91.9	4.6	91.8	3.4	88.8	2.5	88.2	2.1
Nebraska	NA	25.7	NA	17.2	NA	19.5	NA	10.9
Nevada	75.2	8.1	70.8	7.5	67.8	6.2	71.3	6.5
New Hampshire	99.1	64.6	98.9	69.8	98.5	67.8	98.3	66.2
New Jersey	82.9	55.0	81.9	49.7	72.6	51.2	83.8	45.6
New Mexico	64.4	14.2	62.3	16.2	54.6	12.9	51.2	7.5
New York	79.9	22.2	77.2	20.4	72.3	15.8	68.1	14.5
North Carolina	99.9	94.2	93.6	51.4	88.2	41.4	87.5	31.0
North Dakota	86.5	26.4	80.3	21.8	64.2	12.8	70.9	11.6
Ohio	79.2	8.8	77.9	7.1	69.9	5.2	58.3	4.3
Oklahoma	86.0	9.5	79.8	7.6	74.6	7.0	76.7	12.6
Oregon	98.4	25.2	97.9	24.3	96.7	23.5	98.1	24.1
Pennsylvania	70.6	23.0	48.3	14.0	66.9	12.2	62.8	12.8
Rhode Island	100.0	4.9	100.0	13.7	100.0	17.9	100.0	12.7
South Carolina	100.0	90.0	95.9	78.5	95.3	79.8	95.3	82.5
South Dakota	88.5	31.4	85.8	35.0	82.3	21.4	75.8	20.0
Tennessee	97.2	56.2	96.5	61.0	89.1	47.6	87.7	39.3
Texas	67.9	22.7	70.7	24.9	55.8	23.1	71.2	24.1
Utah	82.8	8.9	80.2	10.4	79.4	11.1	75.2	10.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	91.4	17.0	84.4	19.1	71.5	11.0	70.9	13.9
Washington	89.7	29.2	88.7	28.1	87.9	26.4	87.4	24.8
West Virginia	60.8	16.3	51.6	16.0	42.0	14.2	38.9	13.0
Wisconsin	93.6	42.9	93.4	43.7	88.9	44.2	87.3	44.1
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA
Total	79.2	25.0	75.6	24.7	69.7	22.5	67.9	22.0

^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, 1993-1997

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."

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.

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

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

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 1, 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-627. 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. Three States report monthly data on nonhydrocarbon gases removed: Alabama, Texas, and Mississippi. Monthly data for California, Colorado, Florida, New Mexico, North Dakota, and Wyoming are estimated based on annual data reported on Form EIA-627. 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.

For States not supplying monthly data on the EIA-627, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-627 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-627 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-627 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-627 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-627. 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-627 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 Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*, which requires data to be reported each quarter by month for the calendar year.

Preliminary 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 of 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.

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 1990 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.

Note 8. Average Wellhead Value

Annual Data

Form EIA-627 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.

Initial Monthly Data

An initial estimate is calculated based on the statistical relationship between U.S. monthly wellhead gas prices and the monthly composite spot wellhead prices published in the *Natural Gas Week*. The estimate is prepared using the same methodology that generates monthly gas price estimates for EIA's *Short-Term Energy Outlook*. The initial estimate is the latest monthly estimate presented.

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

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 temper-

ature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric 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 around the country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

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-627, "Annual Quantity and Value of Natural Gas Report"

Survey Design

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.

Survey Universe and Response Statistics

Form EIA-627 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-627 survey by filing the completed form or by responding to telephone contacts. For 1995, data on the quantities of nonhydrocarbon gases removed were reported by the appropriate agencies of 22 of the 33 States. These 22 States accounted for 63 percent of total 1995 gross withdrawals. In addition, gross withdrawal data from Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 40 percent of total production, excluded all or most of the nonhydrocarbon gases removed on leases.

Summary of Form EIA-627 Data Reporting Requirements

Form EIA-627 is a multipart annual form that 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 million cubic feet at the State's standard pressure base and at

60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-627 Edit Checks

Each filing of Form EIA-627 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported to the Interstate Oil and Gas Compact Commission (see Appendix B, "Data Sources"). 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-627

Data from Form EIA-627 are also published in the EIA publication, *Natural Gas Annual*.

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

Survey Design

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.

Survey Universe and Response Statistics

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.)

Summary of Data Requirements

The Form EIA-895 consists of seven questions on one page, and requires volumetric information on gross production (gas and oil wells individually), gas used for repressuring, gas vented and flared, non-hydrocarbon gases removed, natural gas used as fuel on leases, and marketed production.

Routine Edit Checks

State data are checked for reasonableness and, in the event of problems, the appropriate State agency is called.

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.

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 1,563 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1994 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 1994. 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 390 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 gas 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:

$$C_j = \frac{X_j}{2n} \quad (1)$$

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:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X_2 = 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 ($I = \frac{X_2}{m}$). 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 X_2 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 only industrial gas and all other companies.

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).

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

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

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 1990 submissions of Form EIA-176:

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

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

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:

$$V_j = y_j \times E_{vj} \quad (4)$$

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 28 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:

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

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_{jt-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:

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

where:

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

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

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

V'_{jm} = The annual sum of estimated monthly volumes. The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

Revision of Volumes and Prices for Deliveries to Electric 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:

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

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, March 1997

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	440	115	359	579	0.89	1.97	0.35
Alaska	0	0	0	0	—	—	—
Arizona	34	72	0	79	0.13	0.15	—
Arkansas	0	0	0	0	—	—	—
California	687	156	332	779	0.02	0.07	0.17
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	131	301	197	382	2.82	0.78	1.31
Georgia	264	41	785	829	0.34	0.29	3.05
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	6,802	2,795	3,610	8,192	0.70	1.27	1.82
Indiana	298	56	2,694	2,711	0.32	0.41	0.63
Iowa	85	94	81	150	0.13	0.04	0.04
Kansas	529	760	30,017	30,031	0.57	0.56	13.23
Kentucky	79	122	145	205	0.11	0.30	2.76
Louisiana	2,699	6,806	7,693	10,620	0.22	0.83	—
Maine	0	0	0	0	—	—	—
Maryland	NA	NA	NA	NA	NA	NA	NA
Massachusetts	815	218	6,855	6,907	0.15	0.56	1.52
Michigan	460	670	4,444	4,517	0.22	0.26	0.43
Minnesota	330	232	1,045	1,121	0.12	0.21	0.29
Mississippi	NA	NA	NA	NA	NA	NA	NA
Missouri	1,376	315	855	1,651	0.51	0.23	1.07
Montana	2	5	0	6	—	—	—
Nebraska	95	81	129	180	0.07	0.04	0.32
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	126	387	530	668	0.32	1.02	—
New York	NA	NA	NA	NA	NA	NA	NA
North Carolina	66	56	587	593	0.09	0.11	0.14
North Dakota	0	0	0	0	—	—	—
Ohio	0	0	0	0	—	—	—
Oklahoma	202	2,375	1,198	2,668	0.09	1.81	0.24
Oregon	0	0	0	0	—	—	—
Pennsylvania	650	1,388	2,852	3,238	0.05	0.06	4.99
Rhode Island	0	0	0	0	—	—	—
South Carolina	402	88	242	477	0.73	0.21	0.17
South Dakota	0	0	0	0	—	—	—
Tennessee	NA	NA	NA	NA	NA	NA	NA
Texas	1,003	NA	8,815	NA	0.47	NA	0.02
Utah	0	0	0	0	—	—	—
Vermont	NA	NA	NA	NA	NA	NA	NA
Virginia	2,798	1,032	907	3,117	2.06	1.45	1.34
Washington	0	0	0	0	—	—	—
West Virginia	1,361	663	128	1,519	1.18	0.86	0.04
Wisconsin	272	NA	376	NA	0.29	NA	0.72
Wyoming	374	107	NA	NA	0.41	0.66	NA
Total	8,821	8,581	33,777	35,949	0.15	0.21	0.49

NA = Not Available.

— = Not Applicable.

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

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.

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

January 1994

U.S. Coalbed Methane Production

(Updates the Energy Information Administration's coalbed methane production information through 1992 and presents it by geologic basin and by State.)

February 1994

Contracting for Natural Gas Supplies

(Addresses the contractual relationships of producers with end users and distributors for the natural gas that is shipped along the interstate pipeline systems.)

May 1994

Opportunities with Fuel Cells

(Discusses the uses of fuel cells in today's market.)

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

June 1994

Natural Gas 1994: Issues and Trends - Executive Summary

(Provides an overview of the natural gas industry in 1993 focusing on trends in production, consumption, and pricing of natural gas.)

August 1994

U.S. Natural Gas Imports and Exports - 1993

(Contains final 1993 data on all U.S. imports and exports of natural gas.)

March 1995

The Comparability of Resource and Reserve Data for Crude Oil, Natural Gas, Coal, and Uranium

(Clarifies which terms are equivalent among the four major energy minerals in the United States.)

July 1995

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

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.)

Special Focuses

January 1997

Natural Gas Productivity Capacity

(Analyzes monthly natural gas wellhead productivity 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.

Special Reports

March 1997

Natural Gas Analysis and Geographic Information Systems

(Explores how geographic information system tech-

niques 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 pipeline network.)

Natural Gas 1996: Highlights

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

 

Appendix E

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1, 2, 3	Monthly:	EIA-895, "Monthly Quantity of Natural Gas Report"	Donna Guerrina (202) 586-6135
		Annual:	EIA-627, "Annual Quantity and Value of Natural Gas Report"	
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 426-1318
Extraction Loss	1	Monthly:	EIA computations	Margo Natof (202) 586-6303
		Annual:	Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	
Supplemental Gaseous Fuels	2	Monthly:	EIA computations	Donna Guerrina (202) 586-6135
		Annual:	Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margo Natof (202) 586-6303
Imports and Exports	2	Monthly:	EIA computations	Norman Crabtree (202) 586-6180
		Annual:	Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	
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) 426-1318
Wellhead	4	Monthly:	EIA computations	Donna Guerrina (202) 586-6135
		Annual:	Form EIA-627, "Annual Quantity and Value of Natural Gas Report"	
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202) 426-1318
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Norman Crabtree (202) 586-6180
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity of Natural Gas Report"	Audrey Corley (202) 426-1159

Underground Storage:	9, 10, 11 12, 13	Monthly:	Forms FERC-8 and EIA-191, "Underground Gas Storage Report"	Roy Kass (202) 426-1318
Distribution and Consumption:				
Deliveries to:				
Residential,	14	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 426-1318
Commercial,	15			
Industrial,	16			
Electric Utility,	17		Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	
All Consumers	18			
Average Price to:				
City Gate,	19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 426-1318
Residential,	20			
Commercial,	21			
Industrial,	22		Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	
Electric Utility	23			
Onsystem Sales	24	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 426-1318
Heating Degree Days	25	Seasonal:	National Oceanic and Atmospheric Administration	James Keeling (202) 586-6107
Highlights				Mary Carlson (202) 586-4749

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 Administration's Fax on Demand System; and (5) diskettes.

	Internet	Dial-In	InfoDisk	Fax	Diskette
ANNUAL PUBLICATIONS					
Natural Gas Annual, Volume 1, 1994 Provides information on supply, and disposition of natural gas in the United States. Information is provided nationally, regionally, and by State for 1994.	V P		V P		P
Natural Gas Annual, Volume 2, 1994 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 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		
Oil and Gas Products List 1994-1995 Brief descriptions of the various information products prepared by the Office of Oil and Gas.	V		V		
U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report 1994 1994 national and State estimates of reserves, reserve changes, and production, plus industry highlights.	V		V		
MONTHLY PUBLICATIONS					
Natural Gas Monthly, from September 1995 forward. Entire Publication in viewable format	V		V		

V=Viewable

P=Post-Processable

	Internet	Dial-In	InfoDisk	Fax	Diskette
OTHER PUBLICATIONS					
Natural Gas 1995: Preliminary Highlights This Special Focus, which was featured in the April 1996 issue of the <i>Natural Gas Monthly</i> , presents events that affected the natural gas industry during 1995.	V	P		V	
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 from 1988 through 1994.	V		V		
Oil Production Capacity Expansion 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 Field Equipment and Production Operations 1990-1993 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 April 1993 report presenting 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		
Natural Gas Productive Capacity for the Lower 48 States 1984-1996 Analysis of monthly natural gas wellhead productive capacity.	V		V		
Natural Gas Productive Capacity for the Lower 48 States 1980-1995 Analysis of monthly natural gas wellhead productive capacity.	V		V		
Oil and Gas Field Code Master List Comprehensive listing of U.S. oil and gas field names as of November 1995.	V		V		
Oil and Gas Resources of the Fergana Basin (Uzbekistan, Tadzhikistan, and Kyrgyzstan) Reservoir level assessments of oil and gas ultimate recovery in the former Soviet Union area.	V		V		
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 1990'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 1994	V P	V P		V	

V=Viewable

P=Post-Processable

	Internet	Dial-In	InfoDisk	Fax	Diskette
Natural Gas Summary, United States by Year 1990-1994	V P	V P		V	
1994 Natural Gas Annual Volume 1 data Self-extracting file containing data (in comma-delimited format) that appear in the tables in Volume I of the 1994 <i>Natural Gas Annual</i> .	P		P		P
1994 Natural Gas Annual Volume 2 data Self-extracting file containing historical information (in comma-delimited format) found in the tables in Volume II of the 1994 <i>Natural Gas Annual</i> . Annual historical data at the national level are presented for 1930-1994. Annual information by State and region is presented for 1967-1994.	P		P		P
1993 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 1993.	P				P
1994 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 1994.	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 <i>U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves</i> from 1977 forward.	P				P
MONTHLY DATA					
Natural Gas Production, United States by Month 1989-forward	P	P		V	
Natural Gas Supply and Disposition, 1989-forward	P	P		V	
Natural Gas Imports and Exports 1989-forward	P	P		V	
Natural Gas Underground Storage: United States Total by Month 1989-forward	P	P		V	
Natural Gas Prices: United States Total by Month 1989-forward	P	P		V	
Natural Gas Consumption by Sector: United States Total by Month, 1989-forward	P	P		V	
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 1984-1992	P	P			
OTHER REPORTS					
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			V	

V=Viewable

P=Post-Processable

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 temperature 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 oil 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.

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.