Natural Gas Monthly

February 1997

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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	LNG	Liquefied Natural Gas
BLS	Bureau of Labor Statistics, U.S. Department of Labor	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
Btu	British Thermal Unit	MMS	United States Minerals Management Service, U.S. Department of the Interior
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 estimates of natural gas supply and consumption through February 1997. Estimates of natural gas prices are through November 1996 except electric utility prices that are through October 1996.

Cumulatively for January through February 1997, the daily average rates for several data series remain close to those of 1996. (Comparing daily rates accounts for the fact that February 1996 had 29 days.) Daily total consumption for January through February is estimated to be 83 billion cubic feet per day, 1 percent higher than during the same period in 1996. Similarly, the estimate of average daily production of 53 billion cubic feet is 1.5 percent higher than in 1996, while daily net imports during the first 2 months of 1997 are virtually unchanged from 1996.

Other highlights of the most recent data are:

- Working gas in underground storage is estimated to be 1,111 billion cubic feet at the end of February 1997, which is 10 percent higher than a year ago.
- Between January and February 1997, estimated daily consumption in the industrial sector rose 1 percent, but declined from 1 to 6 percent in the other end-use sectors.
- Estimates of cumulative average natural gas prices for January through November 1996 are all higher than during the same period of 1995. Wellhead prices have risen 39 percent, while electric utility and industrial prices have risen 32 and 26 percent, respectively.

Supply

The daily rate of dry natural gas production each month continues to exceed that of the prior year. Throughout 1996, daily production was 1 to 3 percent higher each

month than in 1995. Similarly, estimates of daily production in January and February 1997 exceed those of 1996 by 2 and 1 percent, respectively. The most recent estimate of production, for February 1997, is 1,474 billion cubic feet, or 53 billion cubic feet per day (Table 1). This is down slightly from the 54 billion cubic feet per day estimated for January 1997. (See also Figure HI1).

Net imports are estimated to be 219 billion cubic feet in February 1997, equivalent to 7.8 billion cubic feet per day (Table 2). The daily rate for February exceeds that of January 1997 by 6 percent. (The January 1997 estimate of 228 billion cubic feet is equivalent to 7.4 billion cubic feet per day.) Daily net imports in February 1997 also exceed those of a year ago by 5 percent.

The rate of net storage withdrawals has been generally lower during the 1996-97 heating season than during the prior heating season. However, the latest estimate, for February 1997, of 440 billion cubic feet, is equivalent to 15.7 billion cubic feet per day, which is 2 percent higher than the rate in February 1996 (Table 9). Still, the estimated level of working gas left in storage at the end of February 1997, 1,111 billion cubic feet, is 10 percent higher than at the same time last year (Figure HI2).

End-Use Consumption

Daily rates of natural gas consumption are estimated to have declined in three of the four end-use sectors from January to February 1997 as temperatures in the Midwest and East were generally warmer than normal. Overall, daily consumption in February 1997 is slightly higher than a year ago.

Residential natural gas consumption for February 1997 is estimated to be 804 billion cubic feet, or 29 billion cubic feet per day (Table 3). The daily rate is virtually unchanged from a year ago, and is 3 percent lower than the estimate for January 1997. Commercial consumption is estimated to be 452 billion cubic feet in February 1997, or 16 billion cubic feet per day. The daily rate is 2 percent higher than the rate a year ago, and 1 percent lower than in January 1997.

Estimates of both industrial and electric utility consumption of natural gas are higher in February 1997 than in February 1996, with the electric utility sector showing the largest percentage change. The estimate of industrial gas consumption in February 1997 is 733 billion cubic feet, or 26 billion cubic feet per day. This rate is 2 percent higher than 1 year ago, and 1 percent higher than in January 1997.

Electric utilities consumed an estimated 147 billion cubic feet of gas, or 5.3 billion cubic feet per day in February 1997. This is an 11-percent increase compared with the rate in February 1996, but is 6 percent below the daily rate of 5.6 billion cubic feet per day in January 1997. (See also Figure HI3).

Prices

The most recently available natural gas price estimates are for November 1996 (October 1996 for electric utilities). Price levels in 1996 are generally higher than they were in 1995. The estimate of the national average wellhead price jumped 40 percent from October 1996 to November, reaching \$2.70 per thousand cubic feet (Table 4). This level is 68 percent higher than the November 1995 price of \$1.61 per thousand cubic feet.

The November price rise was caused in part by abnormally cold temperatures throughout much of the Nation. Average heating degree days for the United States were 18 percent colder than normal during November 1996, and regions in the Midwest and East Coast were from 20 to 28 percent colder than normal (Table 25). The daily rate of end-use consumption increased by 30 percent from October to November 1996, driven by increases of 113 percent and 73 percent in the residential and commercial sectors, respectively.

Residential and small commercial users are somewhat shielded from the volatility in wellhead prices, in part because of the billing methods used by many local distribution companies (LDC's). A sudden rise in gas costs experienced by an LDC may be averaged into the bills for future months to residential customers.

Another factor is that fixed monthly charges, which are independent of the amount of gas used, constitute a large part of the final price paid for gas in the residential and commercial sectors. Thus, as consumption rises, the fixed charge per unit of gas consumed will be lower, tending to lower the overall average price of gas. Even with lower

average prices, however, the higher level of consumption may result in higher total expenditures.

The change in estimated residential prices between October and November 1996 illustrates this point. The average wellhead price increased 40 percent in November, yet as residential consumption more than doubled, the average residential price declined 10 percent to \$6.34 per thousand cubic feet. A rough estimate of total expenditures is calculated by multiplying residential consumption by the average residential price. This results in \$1.7 billion in October 1996 and \$3.2 billion in November 1996. Thus expenditures increased by 86 percent even as average prices fell.

Estimated natural gas prices in the other end-use sectors have increased compared with the prior month.¹ The commercial price in November 1996 is \$5.33 per thousand cubic feet, 2 percent above the October level, while the industrial price is \$3.58 per thousand cubic feet, a 25-percent increase over the October estimate. The estimated electric utility price is \$2.37 per thousand cubic feet for October 1996, 5 percent higher than in September.

All year-to-date average prices are higher in 1996 compared with 1995 (Figure HI4). The average wellhead price for January through November 1996 is \$2.12 per thousand cubic feet—39 percent higher than for the same period in 1995. In the end-use sectors, residential, commercial, and industrial prices for January through November 1996 are \$6.28, \$5.27, and \$3.26 per thousand cubic feet, respectively. These prices are 2, 4, and 26 percent higher, respectively, than in 1995. In the electric utility sector, the average price for January through October 1996 is \$2.60 per thousand cubic feet, which is 32 percent higher than in 1995.

More recent information on spot and futures prices is available from the trade press (Figure HI5). Moderating temperatures beginning in late January 1997 combined with adequate storage levels toward the end of the heating season have played a part in reducing price levels in both the spot and futures markets. By Friday, February 21, the average spot price at the Henry Hub had fallen to \$1.90 per million Btu, \$2.75 below the peak in mid-January.

In the futures market, the mid-January peak at the Henry Hub was \$3.611 per million Btu (trading on the contract for February delivery). The settlement price on the futures contract for March delivery fell to \$1.936 per million Btu by February 21, then dropped to \$1.780 per million Btu on Monday, February 24, the last day of trading on the March contract. In contrast, the closing price for the March contract in 1996 was \$2.746 per million Btu.

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 have been from 58 to 82 percent of commercial deliveries and only 15 to 22 percent of industrial deliveries (Table 4).

Figure HI1. Natural Gas Production and Consumption, January-February, 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.

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

Source: Table 3.

Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-November, 1994-1996

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.

Short-Term Integrated Forecasting System Estimates

Data shown in this report for the most current months are taken from the Energy Information Administration (EIA) Short-Term Integrated Forecasting System (STIFS) model computations. 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. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS 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.

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*. It is available from the National Energy Information Center (202-586-8800) or on the world wide web at <http://www.eia.doe.gov>. Documentation for the STIFS Model and instructions for downloading and operating the model on a personal computer are also available.

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	RE2,083	RE327	RE31	RE25	RE1,700	RE79	RE1,621
February	RE1,955	RE31	RE29	RE23	RE1,592	RE74	RE1,518
March	RE2,064	RE328	RE31	RE22	RE1,683	RE78	RE1,605
April	RE2,012	RE305	RE31	RE23	RE1,652	RE77	RE1,575
May	RE2,001	RE285	RE30	RE22	RE1,665	78	RE1,587
June	E1,954	RE291	RE28	E19	RE1,616	75	RE1,540
July	E2,009	RE288	RE31	E22	RE1,668	78	RE1,590
August	RE2,020	RE299	RE30	E22	RE1,668	78	RE1,590
September	RE1,954	RE300	RE28	E20	RE1,604	75	RE1,530
October	RE2,020	RE323	RE30	RE22	RE1,646	77	RE1,569
November	RE2,059	RE317	RE30	E22	E1,690	E79	E1,611
December	RE2,141	RE334	RE31	RE23	E1,753	RE82	RE1,671
Total	RE24,272	RE3,709	RE360	RE265	RE19,939	RE929	RE19,009
1997							
January(STIFS)	NA	NA	NA	NA	E1,740	E81	E1,659
February(STIFS)	NA	NA	NA	NA	E1,547	E73	E1,474
1997 YTD	NA	NA	NA	NA	E3,287	E154	E3,133
1996 YTD	E1,309	E213	E21	E16	E3,293	E153	3,139
1995 YTD	3,865	588	64	42	3,172	148	3,024

^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	^E -181	^E 2,321
Total	18,599	110	2,687	415	^E -230	^E 21,580
1996						
January	^R 1,621	14	^E 237	^E 699	^{RE} 7	^{RE} 2,578
February	^R 1,518	12	^E 215	^E 447	^{RE} 146	^E 2,339
March	^R 1,605	12	209	324	^R 54	^R 2,204
April	^R 1,575	11	209	-114	^R 157	^R 1,838
May	^R 1,587	8	235	-328	^R 74	^R 1,576
June	^R 1,540	10	212	-375	^R 78	^R 1,464
July	^R 1,590	10	221	-369	^R -12	^R 1,440
August	^R 1,590	10	222	-345	^R 6	^R 1,482
September	^R 1,530	9	225	-364	^R -2	^R 1,398
October	^R 1,569	10	^R 237	-204	^R -79	1,533
November	^E 1,611	^E 12	^R 227	264	^R -207	^R 1,907
December	^{RE} 1,671	^{RE} 12	^{RE} 233	^{RE} 376	^{RE} -78	^{RE} 2,215
Total	^{RE} 19,009	^{RE} 129	^{RE} 2,682	^{RE} 11	^R 143	^R 21,975
1997						
January(STIFS)	^E 1,659	^E 14	^{RE} 228	^{RE} 620	^{RE} 70	^{RE} 2,591
February(STIFS)	^E 1,474	^E 11	^E 219	^E 440	^E 159	^E 2,304
1997 YTD	^E 3,133	^E 25	^E 447	^E 1,060	^E 229	^E 4,895
1996 YTD	3,139	26	^E 453	^E 1,146	^E 152	^E 4,916
1995 YTD	3,024	22	463	1,144	-44	4,610

^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 1990 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 (STIFS) System. 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, 1993-1997

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	^E 758	^E 420	^E 786	^E 172	^E 2,136	^E 2,321
Total	1,220	700	^E 4,850	^E 3,031	^E 8,580	^E 3,197	^E 19,657	^E 21,580
1996								
January	^R 106	84	^E 931	^E 497	^E 793	^E 168	^E 2,388	^{RE} 2,578
February	^R 100	76	^E 829	^E 457	^E 741	^E 137	^E 2,163	^E 2,339
March	^R 105	72	705	403	763	156	2,027	^R 2,204
April	^R 103	60	473	297	735	170	1,675	^R 1,838
May	^R 104	51	269	192	692	267	1,421	^R 1,576
June	101	48	162	144	708	302	1,316	^R 1,464
July	^R 104	47	124	^R 129	678	357	^R 1,289	^R 1,440
August	^R 104	48	^R 118	^R 131	713	368	^R 1,330	^R 1,482
September	^R 100	45	^R 138	^R 134	696	285	^R 1,252	^R 1,398
October	103	50	242	181	731	226	^R 1,381	1,533
November	106	62	^R 498	^R 304	^R 767	^R 170	1,739	^R 1,907
December(STIFS)	^{RE} 103	^{RE} 75	^{RE} 717	^{RE} 401	^{RE} 749	^{RE} 169	^{RE} 2,036	^{RE} 2,215
Total	^R 1,242	717	^R 5,207	^R 3,270	^R 8,767	^R 2,773	20,017	^R 21,975
1997								
January(STIFS)	^E 109	^E 86	^E 915	^E 503	^E 805	^{RE} 173	^{RE} 2,396	^{RE} 2,591
February(STIFS)	^E 93	^E 75	^E 804	^E 452	^E 733	^E 147	^E 2,136	^E 2,304
1997 YTD	^E 202	^E 161	^E 1,719	^E 955	^E 1,538	^E 320	^E 4,532	^E 4,895
1996 YTD	206	160	^E 1,759	^E 954	^E 1,534	^E 304	^E 4,551	^E 4,916
1995 YTD	199	152	1,570	838	1,484	367	4,259	4,610

^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 values 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.

^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. 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, 1990-1996

(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	
1990 Annual Average	1.71	3.03	5.80	4.83	86.6	2.93	35.2	2.38
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								
January	1.93	3.04	5.93	5.50	83.7	3.47	27.9	2.67
February	1.88	3.26	6.04	5.58	83.9	3.43	30.0	2.80
March	1.93	3.33	6.30	5.67	82.8	3.47	28.6	2.67
April	1.91	3.15	6.60	5.60	78.6	3.01	26.7	2.44
May	2.00	3.17	6.84	5.47	74.5	2.92	25.6	2.46
June	1.80	3.17	7.66	5.37	70.5	2.69	23.3	2.25
July	1.81	3.12	8.10	5.25	68.7	2.77	23.9	2.27
August	1.83	3.15	8.22	5.31	72.6	2.67	23.5	2.16
September	1.78	2.92	7.84	5.36	72.2	2.55	22.0	2.00
October	1.70	2.80	6.86	5.11	74.3	2.49	23.7	1.95
November	1.75	2.84	6.27	5.19	77.8	2.86	24.1	2.10
December	1.88	2.86	6.06	5.24	82.1	2.99	25.8	2.17
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	^a 2.08	3.13	5.60	5.25	^a 76.2	3.38	^a 21.7	2.88
February	1.90	3.16	5.78	5.19	82.1	3.54	22.1	3.06
March	2.03	3.17	5.89	5.26	79.8	3.50	21.0	2.70
April	2.13	3.22	6.22	5.24	76.7	3.35	20.1	2.68
May	^a 2.04	3.18	6.80	5.30	71.7	3.07	18.5	2.52
June	^a 2.13	^a 3.39	7.75	5.31	66.3	3.12	16.6	2.59
July	^a 2.33	3.51	8.51	^a 5.39	^a 61.6	3.19	18.2	2.69
August	^a 2.19	^a 3.47	^a 8.61	^a 5.49	^a 58.4	3.07	14.8	2.58
September	1.87	^a 3.07	^a 7.93	^a 5.39	^a 58.9	2.84	14.5	2.26
October	^a 1.93	2.93	^a 7.02	5.23	62.7	2.86	15.8	2.37
November	^a 2.70	3.47	6.34	5.33	68.6	3.58	16.6	NA
1996 YTD	^a 2.12	3.22	6.28	5.27	73.0	3.26	18.2	2.60
1995 YTD	1.52	2.77	6.16	5.06	76.3	2.59	24.0	1.97
1994 YTD	1.85	3.10	6.46	5.46	78.9	2.99	25.1	2.30

^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.

^r = Revised Data.

^e = Estimated Data.

NA = Not Available.

Notes: • Data for 1990 through 1995 are final. All other data are preliminary unless otherwise indicated. • Geographic coverage is the 50 States and the District of Columbia.

Sources: 1990-1993: 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, 1992-1996

Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1992-1996

Source: Table 4.

Table 5. U.S. Natural Gas Imports, by Country, 1990-1996
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG		Total	
	Canada		Mexico		Algeria		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1990 Total	1,448,065	1.91	—	—	84,193	2.47	1,532,259	1.94
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	1,078	1.94	81,685	2.20	2,350,115	2.03
1994								
January	229,206	2.12	1,539	1.79	10,150	2.02	240,895	2.11
February	193,027	2.22	569	2.15	5,065	3.13	198,661	2.24
March	213,096	2.21	2,147	2.19	7,616	2.38	222,858	2.21
April	204,113	1.96	0	—	7,636	1.92	211,749	1.96
May	199,367	1.93	1,663	2.02	5,101	2.40	206,131	1.94
June	194,458	1.76	1,094	1.77	5,029	2.04	200,582	1.77
July	213,486	1.81	0	—	7,680	2.18	221,166	1.82
August	218,879	1.76	0	—	0	—	218,879	1.76
September	207,495	1.64	0	—	2,501	2.94	209,996	1.66
October	221,627	1.54	0	—	0	—	221,627	1.54
November	225,819	1.71	0	—	0	—	225,819	1.71
December	245,477	1.72	0	—	0	—	245,477	1.72
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	251,070	2.05
February	225,127	1.96	698	2.14	2,512	2.79	228,338	1.97
March	219,987	1.90	1,259	2.17	2,599	3.06	223,845	1.91
April	212,618	1.80	1,392	2.18	4,559	2.50	218,570	1.81
May	236,444	1.72	4,067	2.15	2,612	2.58	243,123	1.73
June	223,051	1.71	712	2.35	0	—	223,763	1.71
July	231,167	1.78	1,304	2.57	2,642	3.00	235,114	1.79
August	236,581	1.77	31	1.70	2,629	2.56	239,241	1.78
September	232,622	1.67	771	1.69	0	—	235,917	1.69
October	^R 242,698	NA	^{RE} 1,110	NA	5,116	NA	^R 248,924	NA
November	^{RE} 234,304	NA	^{RE} 719	NA	5,031	NA	^{RE} 240,053	NA
December	^E 237,419	NA	^E 96	NA	5,164	NA	^E 245,103	NA
Total	2,779,129	1.82	13,657	2.17	35,325	2.73	2,833,060	1.83

^R = Revised Data.
^E = Estimated Data.
^{RE} = Revised Estimated Data.
NA = Not Available.
— = Not Applicable.

Sources: 1990-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. U.S. Natural Gas Exports, by Country, 1990-1996

(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		
1990 Total	17,359	2.70	15,659	1.88	52,546	3.59	85,565	3.10
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								
January	4,084	2.41	1,546	2.22	5,466	3.08	11,097	2.71
February	7,809	2.75	1,459	2.10	3,630	2.99	12,898	2.74
March	12,279	2.73	1,367	2.11	5,510	2.92	19,156	2.74
April	3,872	2.20	1,411	1.91	3,676	2.92	8,959	2.45
May	2,940	2.21	1,829	1.93	3,692	2.95	8,462	2.47
June	5,775	2.22	1,278	1.68	5,543	3.02	12,596	2.52
July	2,823	2.32	2,268	1.82	5,557	3.15	10,647	2.65
August	1,259	2.46	6,981	1.71	5,561	3.29	13,801	2.42
September	1,684	2.40	6,987	1.56	5,565	3.39	14,236	2.37
October	1,591	2.35	5,659	1.37	5,555	3.41	12,805	2.38
November	4,446	2.03	9,398	1.61	5,540	3.37	19,384	2.21
December	3,995	2.09	6,317	1.68	7,386	3.35	17,698	2.47
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	3.29	15,288	2.79
April	2,430	2.22	1,942	1.69	5,653	3.57	10,025	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	3.55	12,138	2.82
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	3.61	17,040	2.63
September	2,514	1.94	2,389	1.73	5,661	3.65	10,564	2.81
October	^{RE} 4,322	NA	^{RE} 1,663	NA	5,588	NA	^{RE} 11,573	NA
November	^{RE} 6,124	NA	^{RE} 1,235	NA	5,670	NA	^{RE} 13,029	NA
December	^E 4,639	NA	^E 1,571	NA	5,661	NA	^E 11,871	NA
Total	50,728	2.61	32,892	1.99	67,642	3.51	151,262	2.85

^E = Estimated Data.

^{RE} = Revised Estimated Data.

NA = Not Available.

Sources: 1990-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data (shown with an "E") are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1990-1996
(Million Cubic Feet)

Year and Month	Alabama ^b	Alaska	California	Colorado	Florida	Kansas
1990 Total	135,276	402,907	362,748	242,997	6,483	573,603
1991 Total	170,847	437,822	378,384	285,961	4,884	628,459
1992 Total	355,099	443,597	365,632	323,041	6,657	658,007
1993 Total	388,024	430,350	315,851	400,985	7,085	686,347
1994						
January	44,067	50,827	27,310	38,036	577	70,766
February	40,980	45,039	24,382	34,940	547	61,683
March	44,744	49,620	26,375	36,897	676	64,086
April	43,693	45,666	25,257	37,572	602	56,981
May	44,215	45,550	25,518	40,769	621	58,238
June	38,749	40,960	24,511	35,514	616	55,058
July	45,135	43,113	24,954	37,317	676	54,985
August	44,742	42,578	24,997	37,806	634	52,903
September	36,261	43,579	24,657	37,957	586	49,373
October	44,570	47,611	26,676	39,150	712	56,433
November	44,164	48,949	26,773	38,570	629	62,760
December	43,953	51,909	28,017	38,681	610	69,466
Total	515,272	555,402	309,427	453,207	7,486	712,730
1995						
January	43,456	43,391	24,674	47,253	559	64,211
February	39,652	38,966	22,028	41,958	570	60,635
March	43,734	43,037	23,829	45,291	598	59,382
April	42,727	39,714	22,819	45,021	578	59,555
May	44,169	39,308	23,055	45,187	604	61,639
June	42,737	35,781	22,145	42,589	535	58,686
July	45,521	36,246	22,545	43,042	537	59,830
August	45,244	35,724	22,584	43,105	502	58,451
September	37,523	36,488	22,276	41,295	508	53,756
October	45,123	39,695	24,100	45,563	475	58,743
November	44,954	39,324	24,188	45,440	497	60,691
December	44,820	41,874	25,312	37,338	502	65,856
Total	519,661	469,550	279,555	523,084	6,463	721,436
1996						
January	32,816	44,811	20,482	44,982	518	62,504
February	30,858	40,581	22,766	^a 40,221	493	62,213
March	33,269	43,896	24,525	46,594	460	62,554
April	31,604	39,838	23,836	41,542	456	60,401
May	32,749	36,479	23,932	45,656	483	61,727
June	31,136	37,470	23,137	40,421	503	55,896
July	30,947	37,404	24,356	37,626	500	^a 56,667
August	31,392	37,379	24,405	^a 38,378	540	^a 54,730
September	30,349	38,181	23,683	^a 37,679	537	^a 50,729
October	30,612	41,203	24,090	^a 39,816	468	^a 57,158
1996 YTD	315,731	397,243	235,213	^a 412,915	4,958	^a 584,579
1995 YTD	429,886	388,351	230,054	440,305	5,464	594,889
1994 YTD	427,154	454,543	254,637	375,956	6,246	580,505

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1990-1996
(Million Cubic Feet) — Continued

Year and Month	Louisiana ^c	Michigan	Mississippi	Montana	New Mexico	North Dakota
1990 Total	5,241,989	172,151	94,616	50,429	965,104	52,169
1991 Total	5,034,361	195,749	108,031	51,999	1,038,284	53,479
1992 Total	4,914,300	194,815	91,697	53,867	1,268,863	54,883
1993 Total	4,991,138	204,635	80,695	54,528	1,409,429	59,851
1994						
January	436,652	27,679	5,804	4,928	129,078	5,050
February	397,987	3,071	5,339	4,469	120,161	4,584
March	431,867	35,710	5,877	4,562	131,176	5,040
April	419,226	7,755	5,340	4,384	126,005	5,026
May	433,421	25,719	5,339	4,078	131,960	5,139
June	416,200	18,410	5,152	3,347	125,074	4,862
July	429,523	20,693	5,059	3,392	126,762	4,845
August	431,139	18,210	5,430	3,753	132,241	4,790
September	406,044	20,327	5,855	3,924	128,437	4,520
October	424,145	15,412	4,812	4,451	133,438	4,837
November	457,484	18,566	4,621	4,476	134,477	4,615
December	486,016	11,105	4,820	4,652	138,880	4,497
Total	5,169,705	222,657	63,448	50,416	1,557,689	57,805
1995						
January	437,237	22,536	7,664	4,919	134,508	4,284
February	386,483	7,882	6,874	4,278	125,334	3,933
March	417,303	31,418	7,651	4,716	136,983	4,410
April	411,156	17,507	7,408	4,381	131,657	4,111
May	432,964	19,427	8,138	4,153	137,827	4,313
June	412,412	25,052	7,836	3,420	130,688	4,186
July	432,943	23,349	7,959	3,493	132,372	3,615
August	420,784	19,129	8,685	3,570	138,073	4,128
September	422,232	21,698	8,783	3,734	134,030	4,129
October	401,813	19,548	8,429	4,345	139,330	4,239
November	452,671	15,086	7,874	4,566	140,166	4,019
December	480,368	15,569	8,233	4,690	144,869	4,101
Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468
1996						
January	^{RE} 457,580	22,482	8,089	4,503	^E 143,656	4,109
February	^{RE} 427,338	19,173	7,386	4,266	^E 133,884	3,753
March	^{RE} 448,513	11,499	8,385	4,443	^{RE} 146,302	4,048
April	^{RE} 435,818	32,907	8,225	4,098	^E 140,455	3,924
May	^{RE} 452,471	18,490	9,026	4,244	^E 147,208	4,106
June	^E 437,816	24,185	8,983	3,496	^{RE} 139,613	3,847
July	460,981	27,825	9,335	3,603	132,637	3,894
August	^E 459,033	23,866	9,193	4,050	^R 134,516	4,066
September	448,022	20,734	8,641	4,172	^R 129,296	4,153
October	435,727	20,904	8,996	4,625	130,917	4,268
1996 YTD	^E 4,463,299	222,064	86,258	41,499	^E 1,378,484	40,167
1995 YTD	4,175,326	207,548	79,427	41,008	1,340,802	41,348
1994 YTD	4,226,204	192,986	54,007	41,288	1,284,332	48,693

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1990-1996
(Million Cubic Feet) — Continued

Year and Month	Oklahoma	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1990 Total	2,258,471	6,343,146	145,875	735,728	810,100	18,593,792
1991 Total	2,153,852	6,280,654	144,817	776,528	788,328	18,532,439
1992 Total	2,017,356	6,145,862	171,293	842,576	804,264	18,711,808
1993 Total	2,049,942	6,249,624	225,401	634,957	793,072	18,981,915
1994						
January	171,629	528,320	21,029	60,965	68,053	1,690,770
February	153,271	483,082	21,411	51,424	62,700	1,515,069
March	165,150	545,090	23,603	59,852	65,860	1,696,185
April	158,384	527,495	23,079	62,747	62,775	1,611,987
May	159,521	541,020	23,787	60,321	63,310	1,668,527
June	153,088	526,703	22,146	57,577	64,221	1,592,186
July	155,458	552,900	22,953	58,805	62,977	1,649,547
August	155,505	552,428	23,515	61,520	64,475	1,656,664
September	153,321	516,610	21,778	57,555	62,034	1,572,818
October	167,006	520,821	23,073	54,632	65,900	1,633,678
November	167,314	524,747	22,151	54,457	64,823	1,679,577
December	175,216	534,628	22,333	56,164	71,568	1,742,516
Total	1,934,864	6,353,844	270,858	696,018	778,697	19,709,525
1995						
January	160,707	528,857	22,354	62,919	67,114	1,676,643
February	143,517	479,553	21,686	50,369	61,666	1,495,384
March	154,640	538,515	25,813	57,602	64,772	1,659,694
April	148,305	523,631	24,529	59,544	61,518	1,604,162
May	149,369	539,311	22,498	54,039	62,686	1,648,688
June	143,346	526,759	15,626	51,792	63,404	1,586,994
July	145,565	548,617	17,120	55,403	61,316	1,639,474
August	145,609	545,415	17,676	57,125	62,409	1,628,213
September	143,565	520,687	18,447	51,741	59,968	1,580,857
October	156,378	524,049	16,987	57,494	63,946	1,610,256
November	156,667	522,744	18,062	56,956	63,084	1,656,969
December	164,066	531,909	20,493	58,792	70,326	1,719,118
Total	1,811,734	6,330,048	241,290	673,775	762,209	19,506,474
1996						
January	^E 160,437	543,853	19,998	^R 62,922	^E 66,703	^{RE} 1,700,444
February	^E 147,253	514,791	18,027	^R 58,142	^E 61,285	^{RE} 1,592,431
March	^E 154,752	546,612	21,650	^R 61,671	^E 64,236	^{RE} 1,683,409
April	^E 148,412	532,218	^E 20,864	^R 66,846	^E 61,028	^{RE} 1,652,472
May	^E 149,174	537,408	^R 21,035	^R 58,824	^E 61,940	^{RE} 1,664,952
June	^E 144,004	529,989	^R 20,759	^R 51,400	^E 63,073	^{RE} 1,615,727
July	^E 145,901	546,323	^R 20,573	^R 62,229	^E 67,230	^{RE} 1,668,032
August	146,102	^E 549,279	^{RE} 21,137	^R 61,255	^E 68,799	^{RE} 1,668,121
September	143,935	519,341	21,589	^R 57,370	^E 66,053	^{RE} 1,604,463
October	155,859	537,324	^E 23,302	^E 59,869	^E 70,450	1,645,586
1996 YTD	^E 1,495,829	^E 5,357,138	^E 208,934	^E 600,528	^E 650,798	^E 16,495,636
1995 YTD	1,491,002	5,275,394	202,735	558,027	628,799	16,130,367
1994 YTD	1,592,333	5,294,468	226,374	585,398	642,306	16,287,432

^a Includes Arizona, Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1996 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,
October 1996**
(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	33,835	896	34,730	1,833	2,188	97	30,612
Alaska	16,633	279,673	296,306	254,407	0	696	41,203
California	7,032	26,721	33,753	9,526	92	45	24,090
Colorado	^E 33,477	^E 7,320	^E 40,797	^E 883	0	^E 98	^E 39,816
Florida	0	532	532	0	63	0	468
Kansas	^E 50,435	^E 6,877	^E 57,312	^E 97	0	^E 57	^E 57,158
Louisiana	^E 383,437	^E 57,642	^E 441,079	^E 3,459	0	^E 1,892	435,727
Michigan	17,101	4,275	21,376	195	0	277	20,904
Mississippi	9,775	566	10,342	695	427	224	8,996
Montana	4,100	560	4,660	5	0	30	4,625
New Mexico	^E 112,936	^E 19,143	^E 132,080	^E 763	^E 264	^E 136	130,917
North Dakota	1,460	3,366	4,827	207	9	342	4,268
Oklahoma	^E 131,048	^E 24,811	^E 155,859	0	0	0	155,859
Texas	476,376	115,372	591,748	38,322	13,610	2,492	537,324
Utah	^E 20,850	^E 4,346	^E 25,196	^E 183	0	^E 1,711	^E 23,302
Wyoming	^E 90,570	^E 6,818	^E 97,388	^E 11,890	^E 12,823	^E 12,806	^E 59,869
Other States	^E 67,791	^E 3,972	^E 71,762	^E 662	^E 36	^E 614	^E 70,450
Total	^E1,456,856	^E562,889	^E2,019,745	^E323,128	^E29,513	^E21,518	^E1,645,586

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

^E = Estimated Data.

Notes: All monthly data are considered preliminary until publication of the Natural Gas Annual for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

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

Table 9. Underground Natural Gas Storage - All Operators, 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 ^c
1991 Total	3,954	2,824	6,778	-244	-8.0	2,608	2,689	80
1992 Total	4,044	2,597	6,641	-227	-8.0	2,555	2,724	168
1993 Total	4,327	2,322	6,649	-275	-10.6	2,760	2,717	-43
1994 Total	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	-308
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	—	—	—	—	—	2,974	2,896	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	6,565	-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	^R 4,335	^R 2,170	^R 6,505	^R 17	^R 0.8	^R 85	^R 461	^R 376
Total	—	—	—	—	—	^R 2,872	^R 2,883	^E 11
1997								
January(STIFS)	^{RE} 4,335	^{RE} 1,550	^{RE} 5,885	^{RE} 91	^{RE} 6.2	NA	NA	^{RE} 620
February(STIFS)	^E 4,335	^E 1,111	^E 5,446	^E 99	^E 9.8	NA	NA	^E 440

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1990 - 8,125; 1991 - 7,993; 1992 - 7,932; 1993 - 7,989; 1994 - 8,043; and 1995 - 7,927.

^c Positive numbers indicate the volume of injections in excess of withdrawals. Negative 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 1990 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, 1990-1996
(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
1990 Total^a	2,496	2,203	4,699	439	24.9	1,705	1,284	-422
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								
January	2,948	1,006	3,954	-216	-17.7	19	545	526
February	2,943	680	3,623	-153	-18.4	34	376	343
March	2,951	576	3,526	-43	-6.9	69	173	104
April	2,950	748	3,697	68	10.1	209	39	-170
May	2,956	1,024	3,980	52	5.4	304	15	-290
June	2,956	1,270	4,225	20	1.6	265	14	-251
July	2,958	1,540	4,498	38	2.5	293	15	-278
August	2,957	1,790	4,746	53	3.1	269	17	-253
September	2,959	1,992	4,951	-5	-0.2	222	12	-210
October	2,955	2,094	5,048	60	3.0	136	37	-99
November	2,953	2,011	4,964	161	8.7	60	151	90
December	2,960	1,743	4,703	212	13.8	34	308	274
Total	—	—	—	—	—	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

^a Total as of December 31.

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1990 - 5,622; 1991 - 5,512; 1992 - 5,524; 1993 - 5,367; 1994 - 5,351; and 1995 - 5,314.

— = Not Applicable.

Notes: Data for 1990 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, 1990-1996
(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
1990 Total^a	1,372	864	2,236	115	15.4	728	650	-78
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								
January	1,400	573	1,973	-30	-5.0	16	247	232
February	1,394	411	1,804	-59	-12.5	16	191	175
March	1,392	382	1,775	-28	-6.8	37	67	30
April	1,395	424	1,819	-17	-3.8	77	29	-47
May	1,396	530	1,926	-18	-3.4	123	10	-113
June	1,396	627	2,023	-18	-2.8	116	23	-93
July	1,397	734	2,131	-4	-0.6	118	11	-107
August	1,398	817	2,215	-1	-0.1	103	13	-90
September	1,395	920	2,315	34	3.8	124	9	-114
October	1,400	981	2,381	37	4.0	88	17	-71
November	1,400	966	2,367	55	6.1	45	54	9
December	1,400	864	2,263	73	9.2	20	136	115
Total	—	—	—	—	—	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

^a Total as of December 31.

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1990 - 2,503; 1991 - 2,481; 1992 - 2,407; 1993 - 2,621; 1994 - 2,692.; and 1995 - 2,613.

— = Not Applicable.

Notes: Data for 1990 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, 1994-1996
(Volumes in Million Cubic Feet)

State	1996						
	Total	December	November	October	September	August	July
Alabama	-1,224	761	129	-117	-440	-395	-205
Arkansas	64	644	562	-603	-1,153	-615	-744
California	49,108	15,529	-3,042	-6,542	-6,976	15,137	6,837
Colorado	-414	2,998	130	-36	-3,793	-3,703	-5,336
Illinois	-15,745	35,297	15,621	-28,518	-36,920	-35,442	-35,741
Indiana	-1,644	3,270	-734	-2,706	-3,932	-6,158	-4,335
Iowa	-293	18,525	5,704	-10,667	-12,673	-13,268	-12,464
Kansas	18,232	13,179	13,662	-5,835	-8,542	-8,116	-7,168
Kentucky	-7,269	8,090	4,872	-2,825	-8,596	-10,080	-13,360
Louisiana	14,718	32,188	29,787	-13,921	-32,347	-32,118	-28,952
Maryland	-1,808	787	1,274	-1,580	-1,699	-1,869	-1,912
Michigan	-36,637	82,503	60,584	-50,388	-79,575	-82,659	-80,378
Minnesota	40	228	31	-33	-202	-210	-287
Mississippi	-12,715	4,664	5,736	-3,365	-7,335	-7,882	-8,093
Missouri	-67	74	305	-210	-204	-206	-240
Montana	11,680	5,505	4,755	336	-3,519	-3,502	-3,261
Nebraska	-1,391	1,055	457	572	-744	-1,277	-1,132
New Mexico	5,137	-856	552	488	-1,850	366	812
New York	-13,453	8,062	6,286	-2,599	-7,346	-12,590	-12,965
Ohio	-10,813	34,940	25,546	-13,626	-23,686	-29,401	-35,840
Oklahoma	26,130	21,887	17,277	-11,668	-18,436	-14,723	-7,777
Oregon	1,405	1,240	552	207	-104	-437	-1,133
Pennsylvania	-58,979	25,007	33,479	-15,457	-37,736	-52,148	-69,635
Texas	61,749	24,219	12,159	-22,471	-34,375	-17,650	-2,753
Utah	12,955	9,164	4,651	1,416	-2,204	-3,884	-6,821
Washington	2,015	1,739	456	1,642	-599	-1,966	-936
West Virginia	-34,526	21,796	19,966	-15,212	-28,076	-19,867	-32,607
Wyoming	5,056	3,529	2,903	-272	-613	-771	-2,160
Total	11,311	376,021	263,660	-203,992	-363,677	-345,434	-368,585

See footnotes at end of table.

Table 12. Net Withdrawals from Underground Storage, by State, 1994-1996
(Volumes in Million Cubic Feet) — Continued

State	1996						1995
	June	May	April	March	February	January	Total
Alabama	-670	-367	-153	162	17	54	73
Arkansas	-1,166	-1,302	-44	1,259	1,115	2,112	709
California	-9,894	-23,726	-12,087	1,292	25,281	47,300	-27,358
Colorado	-5,026	-2,247	1,308	5,105	1,486	8,699	-3,152
Illinois	-32,391	-27,002	-3,163	23,029	41,246	68,239	22,981
Indiana	-2,421	-161	990	3,541	3,831	7,170	711
Iowa	-7,692	-1,625	2,012	6,372	8,820	16,663	6,443
Kansas	-12,110	-7,724	-5,531	10,743	7,491	28,184	4,875
Kentucky	-14,232	-6,228	395	7,956	12,252	14,488	7,178
Louisiana	-15,803	-12,312	-1,310	24,547	23,515	41,445	52,753
Maryland	-2,655	-2,189	71	1,500	2,677	3,787	4,049
Michigan	-79,051	-58,348	-14,604	51,244	82,900	131,134	117,409
Minnesota	-294	-366	-88	222	260	781	104
Mississippi	-6,681	-2,478	-4,093	6,048	3,026	7,739	7,783
Missouri	-261	-1,319	293	379	-100	1,423	-197
Montana	-3,578	780	645	3,877	3,437	6,207	3,599
Nebraska	-1,826	-1,535	-287	763	718	1,845	5,844
New Mexico	49	32	496	2,160	1,575	1,312	2,273
New York	-12,170	-13,343	-2,714	9,001	12,727	14,199	14,746
Ohio	-36,903	-29,890	-8,654	29,036	33,716	43,949	38,862
Oklahoma	-11,641	-18,357	-4,610	16,897	23,857	33,424	19,264
Oregon	-1,173	-723	132	651	940	1,252	-880
Pennsylvania	-62,217	-46,405	-22,349	43,702	64,404	80,378	63,786
Texas	-14,053	-28,106	-22,815	43,560	49,234	74,801	26,165
Utah	-6,742	-5,533	-188	2,388	8,372	12,335	-118
Washington	-3,317	-1,974	-359	536	762	6,031	-2,363
West Virginia	-29,512	-32,729	-16,154	27,054	30,565	40,250	41,129
Wyoming	-1,760	-2,704	-644	1,095	3,044	3,410	1,552
Total	-375,191	-327,881	-113,507	324,117	447,168	698,611	408,220

See footnotes at end of table.

Table 12. Net Withdrawals from Underground Storage, by State, 1994-1996
(Volumes in Million Cubic Feet) — Continued

State	1995						
	December	November	October	September	August	July	June
Alabama	400	189	73	-592	-218	-35	-42
Arkansas	2,149	618	80	-157	-1,390	-1,494	-1,312
California	25,933	-1,980	-18,197	-15,258	1,565	-13,534	-26,115
Colorado	5,194	-1,616	-1,296	-2,943	-4,401	-6,280	-6,269
Illinois	51,971	18,278	-38,814	-39,267	-39,596	-37,156	-35,273
Indiana	4,401	-844	-4,448	-4,766	-3,727	-2,861	-1,793
Iowa	17,220	12,827	-7,844	-13,599	-17,800	-12,204	-9,889
Kansas	16,419	7,352	-10,864	-16,412	-166	-4,798	-12,637
Kentucky	11,394	9,279	-2,526	-6,766	-3,846	-6,815	-7,626
Louisiana	46,245	24,216	-14,079	-23,381	-1,207	-20,851	-27,559
Maryland	3,350	689	-1,123	-2,041	-1,114	332	-2,042
Michigan	115,938	66,298	-32,377	-52,235	-54,249	-74,318	-65,350
Minnesota	245	2	-6	-241	-234	-306	-262
Mississippi	6,445	9,486	-2,596	-6,289	-740	-4,190	-1,631
Missouri	330	-165	-124	-463	-349	11	9
Montana	5,251	3,048	554	-1,096	-3,206	-2,917	-2,140
Nebraska	1,597	1,602	745	-385	-177	-278	-866
New Mexico	1,527	1,120	-20	-505	1,063	-41	-1,130
New York	17,605	9,671	-1,689	-8,910	-8,274	-7,285	-11,189
Ohio	43,090	24,176	-8,835	-18,579	-23,432	-30,964	-31,750
Oklahoma	24,431	8,327	-13,868	-7,816	2,877	-7,322	-14,113
Oregon	822	58	0	-486	0	-695	-1,034
Pennsylvania	78,025	45,269	-22,123	-44,608	-41,423	-35,648	-54,283
Texas	49,476	11,542	-9,871	-22,880	6,956	-3,685	-22,690
Utah	9,829	-1,367	-528	-1,489	-3,512	-7,217	-6,043
Washington	1,015	-67	100	-2,494	271	-1,413	-1,551
West Virginia	39,382	23,047	-14,545	-17,855	-8,978	-22,284	-24,564
Wyoming	2,100	768	-1,125	-1,841	-1,566	-1,580	-1,447
Total	581,782	271,826	-205,344	-313,356	-206,873	-305,827	-370,592

See footnotes at end of table.

Table 12. Net Withdrawals from Underground Storage, by State, 1994-1996
(Volumes in Million Cubic Feet) — Continued

State	1995					1994	
	May	April	March	February	January	Total	December
Alabama	-27	0	264	2	60	-639	-4
Arkansas	-211	130	539	753	1,005	2,482	597
California	-26,521	2,818	8,053	4,882	30,994	-5,066	25,734
Colorado	-2,314	4,568	4,798	3,358	4,048	-1,100	2,926
Illinois	-34,672	5,540	28,695	68,672	74,603	-12,907	33,868
Indiana	-310	682	2,374	6,305	5,699	-3,576	3,083
Iowa	-5,203	643	5,332	12,947	24,012	-2,764	20,371
Kansas	-9,576	-1,386	10,522	11,757	14,666	-6,218	10,129
Kentucky	-12,777	-3,476	4,501	12,572	13,264	-4,845	8,399
Louisiana	-18,801	-9,723	8,326	38,571	50,996	-39,794	36,322
Maryland	-2,010	415	279	4,767	2,547	2,090	1,597
Michigan	-53,113	718	50,375	111,082	104,640	-80,996	63,147
Minnesota	-331	44	246	456	491	-365	68
Mississippi	-7,164	-4,722	4,069	6,293	8,821	-14,446	5,228
Missouri	-621	271	42	279	584	85	-6
Montana	-1,280	-798	689	1,994	3,499	7,819	2,673
Nebraska	-643	200	933	998	2,118	-2,471	2,003
New Mexico	-1,245	-233	-451	17	2,171	-1,379	529
New York	-8,564	-600	5,507	14,339	14,134	-1,824	8,913
Ohio	-28,031	5,084	19,862	37,831	50,411	-28,576	28,025
Oklahoma	-17,831	-4,739	10,026	13,983	25,310	-18,838	17,759
Oregon	-1,179	-867	440	385	1,677	-720	638
Pennsylvania	-43,325	-12,857	29,726	96,191	68,842	823	44,846
Texas	-28,366	-24,870	10,188	22,672	37,692	-36,228	38,575
Utah	-3,519	-1,003	3,419	3,395	7,917	-19,587	5,275
Washington	-2,570	-233	253	2,230	2,097	-1,572	1,576
West Virginia	-24,639	-5,825	12,156	41,395	43,839	-14,932	24,797
Wyoming	-416	817	1,449	1,374	3,017	-2,584	2,007
Total	-335,260	-49,401	222,612	519,500	599,153	-288,127	389,075

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,
December 1996**
(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	3,600	1,190	1,119	2,309	633	130.5	160	921
Arkansas	31,671	12,401	4,564	16,965	372	8.9	229	874
California	515,206	247,419	139,828	387,246	-49,099	-26.0	4,746	20,275
Colorado	99,600	47,902	30,246	78,148	183	0.6	2,424	5,423
Illinois	903,766	651,468	203,700	855,168	15,549	8.3	4,837	40,134
Indiana	113,001	74,878	33,636	108,514	1,806	5.7	727	3,996
Iowa	270,200	200,700	37,008	237,708	151	0.4	0	18,525
Kansas	283,378	182,482	56,939	239,420	-17,043	-23.0	5,328	18,507
Kentucky	216,351	107,126	83,951	191,077	4,234	5.3	1,946	10,036
Louisiana	554,970	268,548	132,493	401,041	-9,078	-6.4	8,480	40,667
Maryland	62,000	46,677	12,929	59,606	1,808	16.3	797	1,584
Michigan	1,057,780	420,580	428,383	848,963	35,486	9.0	5,223	87,726
Minnesota	7,000	4,623	2,070	6,693	-40	-1.9	0	228
Mississippi	136,043	77,624	44,616	122,240	12,392	38.5	6,325	10,988
Missouri	30,564	21,600	8,993	30,593	12	0.1	484	558
Montana	375,010	167,394	58,011	225,405	-12,502	-17.7	226	5,731
Nebraska	39,469	31,507	1,949	33,456	1,464	301.9	24	1,079
New Mexico	94,600	27,513	4,605	32,118	-2,885	-38.5	2,488	1,632
New York	187,708	103,172	57,683	160,855	11,873	25.9	1,387	9,449
Ohio	620,544	349,901	123,210	473,112	21,252	20.8	1,091	36,031
Oklahoma	381,087	224,500	67,073	291,574	-25,543	-27.6	1,846	23,733
Oregon	11,623	4,896	4,967	9,863	-1,405	-22.0	0	1,240
Pennsylvania	727,392	356,848	299,978	656,827	63,323	26.8	9,445	34,452
Texas	663,034	254,178	152,478	406,656	-47,904	-23.9	22,431	46,650
Utah	122,499	62,100	18,352	80,452	-13,483	-42.4	214	9,377
Washington	33,900	22,200	9,724	31,924	-3,144	-24.4	1,252	2,991
West Virginia	510,932	304,592	132,506	437,098	33,582	33.9	2,874	24,671
Wyoming	105,669	60,763	19,195	79,958	-5,063	-20.9	312	3,841
Total	8,158,598	4,334,783	2,170,204	6,504,987	16,931	0.8	85,298	461,319

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, 1994-1996
(Million Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996		
				November	October	September
Alabama	49,979	42,007	44,714	3,421	1,652	1,325
Alaska	13,998	12,937	12,700	1,708	1,238	589
Arizona	23,954	23,740	24,815	2,351	1,096	911
Arkansas	40,059	34,073	36,383	3,773	1,427	1,045
California	410,950	420,765	444,113	43,757	30,502	26,139
Colorado	NA	92,024	84,933	9,582	^R 4,891	^R 2,776
Connecticut	37,922	34,435	37,041	3,522	1,840	992
Delaware	8,629	7,273	7,688	628	294	183
District of Columbia	15,050	13,111	14,119	1,266	584	405
Florida	14,731	12,755	12,607	975	754	691
Georgia	107,900	93,318	89,557	14,572	5,740	3,081
Hawaii	493	529	528	41	39	41
Idaho	12,712	11,255	10,045	1,570	646	363
Illinois	456,708	419,339	408,746	63,646	28,056	13,127
Indiana	156,123	134,184	137,413	18,565	10,259	3,509
Iowa	73,716	67,990	66,766	9,753	3,606	1,950
Kansas	70,691	62,238	63,292	9,474	3,058	1,994
Kentucky	60,884	53,824	53,357	9,129	3,075	1,418
Louisiana	50,827	45,202	47,033	3,537	2,118	1,900
Maine	850	762	777	105	67	28
Maryland	NA	63,567	67,374	NA	NA	NA
Massachusetts	99,553	89,862	106,031	10,012	5,047	2,696
Michigan	346,812	318,735	319,869	38,855	18,527	9,069
Minnesota	118,774	107,619	104,921	14,969	6,616	2,929
Mississippi	NA	22,749	23,987	1,878	^R 928	NA
Missouri	116,676	105,414	107,839	11,686	4,321	2,749
Montana	19,251	16,944	15,728	2,511	1,306	648
Nebraska	38,311	38,866	38,320	3,677	1,537	974
Nevada	19,221	18,329	17,408	2,069	894	732
New Hampshire	6,160	5,517	5,811	667	312	169
New Jersey	181,969	161,237	190,461	16,213	8,423	4,811
New Mexico	29,906	24,121	25,785	3,925	1,415	898
New York	NA	318,164	341,781	NA	NA	NA
North Carolina	50,867	40,798	41,421	4,520	1,724	918
North Dakota	10,503	9,514	9,215	1,087	469	227
Ohio	323,352	297,884	299,871	38,603	18,996	7,156
Oklahoma	65,100	58,933	59,799	5,700	2,259	1,699
Oregon	28,026	24,116	23,728	3,163	1,357	820
Pennsylvania	237,747	217,670	236,395	25,929	12,899	5,623
Rhode Island	15,824	14,709	15,507	1,416	738	509
South Carolina	24,834	20,742	20,395	2,148	792	472
South Dakota	11,845	10,782	10,262	1,414	578	320
Tennessee	59,833	50,822	49,854	5,889	1,969	1,185
Texas	194,828	175,674	186,138	17,731	9,406	7,454
Utah	46,141	41,761	40,863	5,749	4,215	2,540
Vermont	2,221	1,946	2,161	208	100	56
Virginia	65,811	55,959	56,570	7,430	2,895	1,422
Washington	NA	45,151	44,009	6,191	^R 2,923	1,568
West Virginia	32,039	29,512	30,853	3,371	1,600	692
Wisconsin	NA	113,032	110,670	16,720	NA	3,563
Wyoming	NA	NA	9,874	NA	NA	NA
Total	4,489,613	4,092,474	4,209,527	498,456	^R242,438	^R137,669

See footnotes at end of table.

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1996					
	August	July	June	May	April	March
Alabama	1,231	1,300	1,477	2,958	6,343	8,079
Alaska	544	493	647	964	1,424	1,918
Arizona	845	928	1,102	1,345	2,182	3,408
Arkansas	956	931	1,204	1,970	4,853	6,155
California	21,785	18,672	26,029	30,042	36,771	52,297
Colorado	^R 2,508	NA	4,320	6,909	11,539	14,701
Connecticut	954	1,088	1,274	2,303	4,399	6,245
Delaware	177	198	313	523	1,129	1,522
District of Columbia	384	417	588	816	1,731	2,402
Florida	659	741	787	1,016	1,640	2,062
Georgia	2,956	3,166	3,103	4,251	9,817	17,770
Hawaii	40	42	45	44	49	52
Idaho	277	300	542	976	1,314	1,847
Illinois	9,539	11,341	12,429	27,148	43,168	71,301
Indiana	3,115	3,268	4,511	8,914	16,810	24,959
Iowa	1,606	1,657	2,336	4,173	6,925	11,795
Kansas	1,623	1,786	1,739	3,050	6,272	11,160
Kentucky	1,276	1,129	1,523	2,278	5,612	10,268
Louisiana	1,835	1,832	1,980	2,579	5,193	7,557
Maine	23	25	29	53	81	137
Maryland	NA	2,054	2,631	4,077	7,237	11,845
Massachusetts	2,480	2,834	3,958	6,796	11,645	16,649
Michigan	7,303	7,660	10,627	24,651	40,297	57,657
Minnesota	2,401	2,549	3,659	7,237	12,091	18,871
Mississippi	770	815	838	1,364	3,170	3,846
Missouri	2,447	2,687	3,404	6,251	13,132	18,851
Montana	439	470	753	1,438	2,087	2,701
Nebraska	884	937	1,373	2,434	4,435	6,165
Nevada	678	779	1,011	1,264	1,884	2,903
New Hampshire	155	159	233	429	698	998
New Jersey	4,634	4,556	5,832	10,716	20,214	30,417
New Mexico	889	1,727	1,812	654	2,763	3,300
New York	NA	10,183	14,050	25,108	41,145	59,700
North Carolina	874	901	1,226	2,160	6,272	7,490
North Dakota	209	213	399	818	1,348	1,640
Ohio	6,423	7,343	10,325	17,688	34,545	54,282
Oklahoma	1,509	1,622	1,981	3,309	7,669	10,126
Oregon	673	838	1,386	2,299	2,820	4,041
Pennsylvania	5,275	5,597	7,833	13,620	25,579	39,695
Rhode Island	450	484	692	1,216	1,831	2,664
South Carolina	415	421	542	945	2,968	3,706
South Dakota	231	239	464	803	1,367	1,865
Tennessee	1,098	1,158	1,319	2,339	7,012	9,454
Texas	6,493	7,173	7,783	9,595	19,163	28,188
Utah	1,416	1,533	1,351	2,252	4,540	5,419
Vermont	47	51	85	167	268	354
Virginia	1,432	1,510	2,100	2,550	6,609	11,307
Washington	1,270	1,624	2,626	4,463	5,445	7,639
West Virginia	534	586	812	1,642	3,855	5,463
Wisconsin	NA	NA	NA	8,023	12,785	20,340
Wyoming	NA	NA	NA	NA	NA	NA
Total	^R 117,691	124,498	162,132	269,407	473,353	704,881

See footnotes at end of table.

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1996		1995			
	February	January	Total	December	November	October
Alabama	11,261	10,931	49,570	7,563	3,902	1,542
Alaska	2,419	2,054	15,231	2,294	1,411	866
Arizona	4,274	5,511	26,893	3,154	1,554	1,027
Arkansas	8,725	9,021	41,107	7,034	3,522	1,295
California	58,085	66,870	477,495	56,731	33,646	24,743
Colorado	17,499	17,616	104,286	12,262	8,830	5,456
Connecticut	7,147	8,159	40,824	6,389	3,449	1,479
Delaware	1,941	1,721	8,505	1,231	601	230
District of Columbia	3,117	3,339	15,690	2,579	1,246	452
Florida	2,575	2,832	14,540	1,785	1,004	668
Georgia	19,247	24,195	114,670	21,351	14,965	6,067
Hawaii	51	49	574	45	43	44
Idaho	2,509	2,368	13,003	1,748	1,364	628
Illinois	81,128	95,825	500,796	81,457	64,407	26,650
Indiana	28,883	33,330	161,059	26,875	18,305	6,884
Iowa	13,686	16,229	82,238	14,248	11,222	3,803
Kansas	13,709	16,827	75,846	13,608	6,757	3,440
Kentucky	11,352	13,824	66,149	12,325	9,224	3,130
Louisiana	10,352	11,944	52,603	7,401	4,391	2,073
Maine	143	159	913	151	97	48
Maryland	14,351	16,033	76,552	12,985	7,601	2,927
Massachusetts	18,583	18,852	105,795	15,933	9,090	3,958
Michigan	63,694	68,472	380,025	61,290	39,707	17,636
Minnesota	22,363	25,091	128,736	21,117	14,915	6,969
Mississippi	5,892	6,143	26,960	4,212	2,326	631
Missouri	24,496	26,652	125,110	19,696	11,325	4,259
Montana	3,568	3,330	19,640	2,697	2,248	1,376
Nebraska	8,165	7,729	45,054	6,188	4,132	1,577
Nevada	3,264	3,744	20,686	2,357	1,349	817
New Hampshire	1,147	1,193	6,507	991	550	254
New Jersey	35,838	40,315	194,432	33,195	18,422	7,195
New Mexico	4,941	7,581	28,770	4,649	3,027	1,319
New York	61,146	68,834	375,005	56,841	32,655	13,159
North Carolina	11,875	12,907	49,379	8,581	4,445	1,402
North Dakota	2,160	1,932	11,209	1,695	1,095	424
Ohio	58,678	69,313	357,754	59,871	40,926	17,326
Oklahoma	14,443	14,782	68,702	9,769	5,029	2,526
Oregon	5,584	5,046	28,067	3,952	2,620	1,128
Pennsylvania	45,391	50,305	262,126	44,456	27,801	10,640
Rhode Island	3,119	2,704	17,342	2,634	1,336	672
South Carolina	5,887	6,539	25,164	4,422	2,262	646
South Dakota	2,221	2,343	12,610	1,828	1,332	705
Tennessee	13,711	14,700	59,994	9,171	7,624	1,801
Texas	35,810	46,031	206,415	30,741	17,917	8,860
Utah	8,571	8,555	48,975	7,214	4,684	3,857
Vermont	418	467	2,299	353	176	86
Virginia	13,807	14,750	68,712	12,753	7,059	2,245
Washington	10,136	8,988	52,763	7,611	5,683	2,444
West Virginia	6,564	6,918	35,379	5,867	3,626	1,441
Wisconsin	22,584	25,431	136,012	22,980	16,784	7,000
Wyoming	NA	NA	NA	NA	NA	NA
Total	828,535	930,554	4,850,318	757,844	488,812	216,412

See footnotes at end of table.

Table 14. Natural Gas Deliveries to Residential Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1995					
	September	August	July	June	May	April
Alabama	1,279	1,299	1,401	1,565	2,206	3,692
Alaska	588	448	534	680	943	1,573
Arizona	878	859	969	1,248	1,824	2,428
Arkansas	1,042	930	997	1,243	1,881	2,973
California	22,148	21,306	25,181	28,924	38,489	43,743
Colorado	2,773	2,681	3,590	6,098	9,143	9,879
Connecticut	1,035	884	1,045	1,393	2,402	4,156
Delaware	176	177	197	264	501	865
District of Columbia	401	379	431	472	813	1,299
Florida	729	641	716	748	841	1,122
Georgia	3,319	3,000	3,002	3,206	3,961	6,026
Hawaii	45	43	47	50	49	50
Idaho	304	254	338	539	915	1,274
Illinois	13,730	9,950	11,706	12,034	20,203	42,392
Indiana	3,627	2,826	3,083	3,701	7,364	13,049
Iowa	1,814	1,252	1,380	1,334	4,303	7,377
Kansas	1,847	1,654	1,829	2,078	3,902	5,711
Kentucky	1,338	1,120	1,208	1,129	2,403	3,655
Louisiana	1,816	1,691	1,758	2,219	2,434	3,731
Maine	31	24	24	28	48	81
Maryland	2,094	1,882	1,945	2,228	3,664	6,097
Massachusetts	2,864	2,358	2,642	3,606	6,194	10,980
Michigan	9,901	7,101	7,955	10,470	21,477	36,085
Minnesota	3,271	2,395	2,584	3,405	6,033	11,393
Mississippi	476	811	841	892	1,178	1,770
Missouri	2,842	2,394	2,869	3,659	6,828	9,399
Montana	666	447	532	704	1,264	1,796
Nebraska	1,051	906	1,035	1,587	2,967	4,284
Nevada	677	655	801	1,087	1,568	2,156
New Hampshire	175	135	160	225	376	688
New Jersey	4,957	4,378	4,768	5,427	9,274	17,191
New Mexico	814	815	757	1,371	1,734	2,282
New York	9,330	7,634	10,010	13,817	23,334	38,254
North Carolina	938	799	976	1,095	1,882	3,644
North Dakota	252	183	235	390	706	1,190
Ohio	7,397	6,298	7,097	8,575	16,763	30,852
Oklahoma	1,715	1,552	1,833	2,302	4,033	5,294
Oregon	687	654	808	1,084	2,048	2,783
Pennsylvania	5,805	5,084	5,638	6,588	12,140	23,525
Rhode Island	474	448	448	711	1,195	1,834
South Carolina	475	397	472	510	746	1,584
South Dakota	307	206	271	408	782	1,255
Tennessee	1,065	1,054	1,149	1,350	2,007	3,361
Texas	7,378	6,707	7,545	8,008	9,947	14,952
Utah	1,970	1,422	1,386	1,956	2,965	4,336
Vermont	54	42	49	79	136	266
Virginia	1,383	1,459	1,494	1,626	2,830	4,876
Washington	1,411	1,251	1,361	1,926	3,088	5,064
West Virginia	740	560	574	702	1,776	3,173
Wisconsin	3,699	2,698	2,699	3,488	5,804	12,184
Wyoming	NA	271	347	681	1,006	1,200
Total	133,951	114,415	130,717	158,908	260,367	418,820

^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, 1994-1996
(Million Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996		
				November	October	September
Alabama	25,910	22,726	23,099	2,032	1,437	1,232
Alaska	22,117	21,789	17,996	2,405	2,016	1,368
Arizona	25,978	25,408	25,639	2,485	1,764	1,696
Arkansas	27,237	23,098	24,271	2,464	1,357	1,197
California	209,000	252,609	236,060	21,161	18,637	17,456
Colorado	NA	59,357	56,806	5,821	3,431	^R 2,224
Connecticut	34,830	33,388	34,929	3,110	2,397	1,817
Delaware	5,890	4,891	4,905	496	278	224
District of Columbia	13,896	14,842	13,084	1,190	798	768
Florida	37,695	36,500	36,365	3,162	2,942	2,827
Georgia	53,483	48,474	47,793	5,414	3,302	2,701
Hawaii	1,940	2,021	2,015	158	169	170
Idaho	9,900	9,060	8,421	1,110	598	422
Illinois	182,829	173,068	172,646	25,266	12,121	7,149
Indiana	79,752	69,718	66,335	9,723	5,773	2,602
Iowa	45,446	42,155	41,426	5,879	2,103	1,925
Kansas	60,707	43,272	45,150	6,287	2,525	1,696
Kentucky	35,409	32,184	32,022	4,493	2,261	1,224
Louisiana	23,532	21,220	21,862	1,726	1,405	1,327
Maine	2,261	2,038	2,072	280	172	78
Maryland	NA	39,336	38,661	NA	NA	NA
Massachusetts	83,522	70,676	76,404	9,749	5,415	4,783
Michigan	177,959	164,156	161,451	19,774	9,695	6,345
Minnesota	82,254	76,819	72,053	10,462	5,093	2,726
Mississippi	NA	17,277	17,251	1,753	NA	1,099
Missouri	62,913	55,368	58,563	6,170	2,979	2,251
Montana	12,754	11,590	10,938	1,725	848	499
Nebraska	NA	NA	34,764	NA	NA	NA
Nevada	17,581	16,832	16,069	1,778	1,236	1,088
New Hampshire	6,081	5,525	5,669	661	344	196
New Jersey	126,044	118,051	117,163	11,152	6,829	5,325
New Mexico	24,093	21,014	21,668	2,547	1,429	1,140
New York	NA	201,044	199,030	NA	NA	NA
North Carolina	36,376	32,083	34,349	3,340	1,979	1,711
North Dakota	10,352	9,921	9,585	1,103	562	346
Ohio	163,468	147,511	145,862	18,193	8,717	4,129
Oklahoma	37,525	34,475	31,872	3,100	1,721	1,591
Oregon	21,964	19,583	19,387	2,310	1,303	1,021
Pennsylvania	133,765	121,139	122,699	14,218	7,701	4,297
Rhode Island	10,448	10,541	10,711	969	643	574
South Carolina	18,239	16,454	16,027	1,631	1,150	1,033
South Dakota	9,791	9,233	8,802	1,238	571	353
Tennessee	50,301	43,554	44,968	4,976	2,853	2,420
Texas	NA	187,152	163,570	17,363	NA	13,418
Utah	25,316	23,101	22,166	3,191	2,077	1,282
Vermont	2,500	2,262	2,334	279	164	91
Virginia	51,138	48,661	46,555	5,771	3,373	2,464
Washington	41,535	37,295	36,409	4,495	2,705	1,923
West Virginia	25,787	22,339	22,179	2,611	1,715	1,250
Wisconsin	NA	71,071	67,064	11,157	4,538	2,556
Wyoming	NA	NA	7,944	NA	NA	NA
Total	2,869,383	2,611,457	2,555,061	304,226	180,724	^R 134,123

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1996					
	August	July	June	May	April	March
Alabama	1,158	1,192	1,252	1,722	2,866	3,714
Alaska	1,177	1,125	1,247	1,558	2,084	2,778
Arizona	1,769	1,796	2,014	2,129	2,555	3,012
Arkansas	1,061	1,057	1,053	1,520	2,966	3,897
California	17,453	17,060	15,671	16,245	17,216	21,546
Colorado	^R 2,141	NA	3,057	4,431	6,997	8,908
Connecticut	1,711	1,967	1,745	2,247	3,528	4,844
Delaware	204	203	246	366	694	889
District of Columbia	746	800	824	1,233	1,893	1,537
Florida	2,703	2,822	3,015	3,321	3,899	4,142
Georgia	2,613	2,730	2,499	3,274	5,371	7,474
Hawaii	165	174	175	171	189	182
Idaho	355	347	479	711	996	1,363
Illinois	5,332	5,446	5,713	9,682	17,310	26,484
Indiana	2,440	2,307	2,789	4,497	7,988	11,920
Iowa	1,077	1,212	1,629	2,572	4,548	7,047
Kansas	4,622	2,520	2,351	4,060	6,275	8,795
Kentucky	1,150	1,059	1,080	1,544	3,341	5,578
Louisiana	1,332	1,277	1,511	1,682	2,401	3,039
Maine	75	74	82	137	208	356
Maryland	NA	1,728	1,843	2,529	3,912	5,753
Massachusetts	4,272	3,744	4,200	6,048	8,952	11,127
Michigan	5,574	5,858	6,541	12,480	19,934	28,197
Minnesota	2,283	2,346	3,024	5,314	8,731	12,796
Mississippi	1,221	1,179	1,091	1,280	2,024	2,607
Missouri	2,375	2,307	2,395	3,583	6,656	9,543
Montana	375	386	508	861	1,330	1,761
Nebraska	NA	NA	NA	NA	NA	NA
Nevada	1,036	1,099	1,257	1,420	1,769	2,219
New Hampshire	186	172	237	399	654	963
New Jersey	5,490	5,454	5,697	8,016	14,342	17,802
New Mexico	1,457	1,514	1,721	1,549	2,569	2,617
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,625	1,458	1,635	2,031	3,871	4,994
North Dakota	307	294	528	747	1,256	1,499
Ohio	4,490	4,662	7,635	8,922	16,758	26,529
Oklahoma	1,509	1,626	1,663	2,043	4,102	5,228
Oregon	904	966	1,302	1,781	2,056	2,895
Pennsylvania	5,633	4,271	5,389	7,903	13,699	20,751
Rhode Island	442	419	445	757	996	1,605
South Carolina	950	927	1,270	1,424	1,858	2,160
South Dakota	283	288	386	619	1,059	1,487
Tennessee	1,990	1,964	2,165	2,690	5,241	7,173
Texas	NA	15,399	15,909	18,409	21,434	26,607
Utah	876	906	894	1,354	2,475	3,124
Vermont	69	68	98	155	282	384
Virginia	2,085	2,571	2,998	3,407	5,062	7,205
Washington	1,696	1,859	2,669	3,430	4,143	5,445
West Virginia	1,331	1,393	1,141	1,596	2,573	3,522
Wisconsin	2,363	^R 2,016	NA	5,100	7,921	12,341
Wyoming	NA	NA	NA	NA	NA	NA
Total	^R 131,204	^R 129,341	143,553	192,072	297,337	403,170

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1994-1996

(Million Cubic Feet) — Continued

State	1996		1995			
	February	January	Total	December	November	October
Alabama	4,775	4,529	26,232	3,502	2,177	1,323
Alaska	3,264	3,096	24,979	3,190	2,461	1,846
Arizona	3,136	3,620	28,329	2,802	2,056	1,702
Arkansas	5,251	5,414	27,411	4,311	2,265	1,183
California	23,078	23,477	279,606	26,152	22,818	21,272
Colorado	10,393	10,385	66,657	7,282	5,703	3,787
Connecticut	5,472	5,992	37,890	4,491	2,808	1,850
Delaware	1,186	1,104	5,743	851	417	209
District of Columbia	1,952	2,156	17,045	2,194	1,116	794
Florida	4,248	4,613	40,459	3,883	3,171	2,840
Georgia	8,401	9,702	56,538	8,062	5,706	3,379
Hawaii	190	198	2,199	177	178	179
Idaho	1,785	1,735	10,380	1,300	997	591
Illinois	32,431	35,894	203,833	30,734	22,408	11,880
Indiana	13,850	15,863	82,825	13,009	9,142	4,181
Iowa	8,289	9,164	50,329	8,170	5,952	3,021
Kansas	10,003	11,575	53,124	9,850	4,066	2,903
Kentucky	6,364	7,315	38,613	6,426	4,746	1,892
Louisiana	3,876	3,956	23,854	2,613	1,823	1,410
Maine	386	413	2,426	389	254	129
Maryland	6,627	7,835	46,924	7,538	4,871	1,907
Massachusetts	12,640	12,591	82,282	11,594	7,597	4,026
Michigan	30,779	32,781	194,105	29,922	19,742	9,647
Minnesota	13,776	15,703	90,684	13,839	10,937	5,456
Mississippi	3,404	3,581	20,171	2,627	1,693	1,013
Missouri	11,719	12,936	65,092	9,698	5,747	2,756
Montana	2,276	2,185	13,497	1,898	1,454	899
Nebraska	NA	NA	NA	NA	NA	NA
Nevada	2,262	2,418	18,812	1,871	1,444	1,151
New Hampshire	1,118	1,151	6,515	989	620	285
New Jersey	22,520	23,419	138,971	20,914	10,830	6,263
New Mexico	3,427	4,123	24,007	2,920	2,149	1,330
New York	NA	NA	231,479	30,309	22,325	13,394
North Carolina	6,615	7,117	37,371	5,279	3,263	1,740
North Dakota	1,861	1,850	11,656	1,723	1,209	549
Ohio	29,596	33,837	175,347	27,649	18,650	7,916
Oklahoma	7,469	7,474	39,756	5,164	3,020	1,836
Oregon	3,900	3,526	22,437	2,837	2,010	1,166
Pennsylvania	23,598	26,306	143,744	22,596	19,918	6,583
Rhode Island	1,917	1,682	12,066	1,523	1,216	580
South Carolina	2,743	3,092	18,869	2,414	1,674	1,054
South Dakota	1,685	1,821	10,689	1,452	1,118	665
Tennessee	9,108	9,722	51,238	7,681	4,908	2,582
Texas	20,625	26,789	209,613	22,432	16,279	13,673
Utah	4,596	4,541	26,925	3,724	2,605	1,905
Vermont	449	462	2,672	410	242	130
Virginia	7,874	8,327	56,991	8,287	5,766	2,687
Washington	6,843	6,326	42,675	5,274	4,052	2,304
West Virginia	4,103	4,551	25,879	3,533	2,739	1,557
Wisconsin	13,930	16,022	84,920	13,817	10,676	4,968
Wyoming	NA	NA	NA	NA	NA	NA
Total	456,959	496,673	3,033,751	419,620	296,702	170,849

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Commercial Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1995					
	September	August	July	June	May	April
Alabama	1,139	1,110	1,149	1,242	1,454	1,963
Alaska	1,366	1,301	1,325	1,489	1,603	2,362
Arizona	1,652	1,817	1,840	2,014	2,251	2,556
Arkansas	1,060	1,021	1,015	1,156	1,337	2,027
California	19,391	18,362	21,954	19,028	24,831	23,976
Colorado	2,210	2,314	2,634	4,061	5,776	6,413
Connecticut	1,762	1,869	1,679	1,917	2,629	3,524
Delaware	205	168	182	223	341	527
District of Columbia	766	744	820	884	1,158	1,607
Florida	2,818	2,751	2,970	2,930	3,055	3,433
Georgia	2,450	2,781	2,519	2,615	2,918	3,739
Hawaii	179	178	186	188	185	183
Idaho	392	346	361	487	708	951
Illinois	6,984	6,612	6,035	6,157	9,135	15,643
Indiana	2,645	2,328	2,230	2,442	4,048	6,546
Iowa	1,701	1,150	1,310	1,484	2,321	4,189
Kansas	2,921	3,564	2,294	1,843	2,912	3,756
Kentucky	1,247	1,099	1,130	1,060	1,687	2,090
Louisiana	1,327	1,307	1,215	1,555	1,576	1,840
Maine	86	71	70	77	128	211
Maryland	2,065	1,722	1,612	1,994	2,388	3,736
Massachusetts	3,525	3,344	3,386	3,930	5,319	7,717
Michigan	6,417	5,778	5,664	6,372	11,004	18,384
Minnesota	2,864	2,156	2,212	2,618	4,303	7,759
Mississippi	1,023	1,202	902	1,074	1,070	1,295
Missouri	2,119	2,019	2,050	2,326	3,512	4,806
Montana	520	376	404	488	872	1,245
Nebraska	NA	2,997	2,436	1,003	1,320	1,742
Nevada	1,009	978	1,082	1,268	1,558	1,784
New Hampshire	197	166	188	227	369	632
New Jersey	5,734	5,307	5,615	5,624	8,377	12,498
New Mexico	1,193	1,119	1,073	1,408	2,105	2,006
New York	10,619	10,797	11,281	11,501	14,459	20,813
North Carolina	1,597	1,475	1,487	1,579	1,766	3,065
North Dakota	333	324	341	408	673	1,145
Ohio	4,623	4,406	4,697	4,979	8,132	14,128
Oklahoma	1,903	1,524	1,558	1,794	2,354	2,968
Oregon	979	879	959	1,160	1,579	2,064
Pennsylvania	4,210	3,935	3,929	4,435	7,223	11,960
Rhode Island	294	582	413	562	901	1,353
South Carolina	1,044	956	950	1,013	1,045	1,382
South Dakota	357	263	311	400	645	1,049
Tennessee	2,002	2,079	1,917	2,023	2,348	3,131
Texas	11,336	16,588	16,809	12,301	16,425	18,230
Utah	1,088	899	861	1,122	1,675	2,429
Vermont	95	72	70	89	140	277
Virginia	2,147	2,473	2,341	2,533	3,329	4,532
Washington	1,862	1,654	1,750	2,179	2,857	3,915
West Virginia	1,150	1,056	998	1,055	1,392	2,021
Wisconsin	2,943	2,214	1,916	1,833	4,250	7,173
Wyoming	NA	258	373	594	873	987
Total	129,530	130,493	132,500	132,746	184,318	253,763

^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, 1994-1996
(Million Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996		
				November	October	September
Alabama	187,928	186,270	164,854	17,651	18,646	17,183
Alaska	68,582	60,263	55,473	6,450	6,421	6,288
Arizona	23,172	25,367	23,700	2,304	2,361	2,279
Arkansas	110,927	126,805	121,909	12,010	12,470	7,896
California	618,153	631,477	605,476	61,298	59,429	59,349
Colorado	NA	66,700	63,803	7,290	NA	NA
Connecticut	29,717	30,077	27,863	3,337	3,060	2,548
Delaware	13,055	18,112	15,563	1,218	1,338	1,138
District of Columbia	0	0	0	0	0	0
Florida	125,839	117,816	114,458	12,071	11,303	11,770
Georgia	163,417	167,291	158,035	15,990	15,321	14,813
Hawaii	0	0	0	0	0	0
Idaho	31,683	30,895	26,722	2,747	3,023	2,802
Illinois	297,591	285,761	270,441	32,295	25,278	20,140
Indiana	265,669	248,614	244,543	25,343	24,136	20,413
Iowa	102,293	102,864	99,125	11,266	9,530	7,552
Kansas	121,299	117,322	171,604	11,581	8,438	9,960
Kentucky	84,774	81,930	75,080	8,841	7,704	6,743
Louisiana	NA	959,111	911,675	NA	NA	92,337
Maine	1,865	1,824	1,616	234	239	165
Maryland	NA	45,856	43,211	NA	NA	NA
Massachusetts	89,414	98,074	85,001	8,613	9,307	8,116
Michigan	320,948	293,850	295,996	30,623	25,882	25,020
Minnesota	97,815	95,300	84,724	10,609	9,041	7,792
Mississippi	NA	77,174	78,153	6,812	NA	6,642
Missouri	63,535	61,739	63,012	6,018	4,833	4,469
Montana	15,512	16,313	12,392	1,545	1,502	1,335
Nebraska	25,932	41,625	33,098	2,596	2,612	1,857
Nevada	29,592	27,939	26,350	2,691	2,532	2,714
New Hampshire	4,232	4,259	4,143	527	430	354
New Jersey	NA	189,129	172,706	14,900	NA	14,258
New Mexico	18,469	18,627	17,154	1,699	1,622	1,570
New York	243,381	252,409	191,990	24,861	21,118	20,727
North Carolina	97,522	98,046	86,298	10,882	10,781	9,211
North Dakota	6,546	5,878	5,289	1,030	760	561
Ohio	316,658	300,918	280,298	31,586	28,023	23,475
Oklahoma	182,965	179,019	178,876	16,009	16,798	16,821
Oregon	80,343	62,486	56,928	8,527	8,658	7,933
Pennsylvania	237,660	227,770	213,700	22,305	18,980	17,633
Rhode Island	24,819	30,805	37,316	2,355	2,501	2,296
South Carolina	85,471	91,404	88,988	8,603	8,800	7,925
South Dakota	7,329	6,231	4,894	798	557	443
Tennessee	115,547	114,454	107,453	13,066	11,146	10,558
Texas	NA	1,744,685	1,684,327	159,473	167,443	170,430
Utah	38,630	38,568	32,073	3,674	3,603	3,445
Vermont	1,737	1,905	1,822	208	172	149
Virginia	75,364	87,679	79,086	7,510	6,510	5,368
Washington	104,838	100,608	96,804	10,903	10,712	10,209
West Virginia	46,860	47,663	42,406	4,541	4,418	4,781
Wisconsin	134,181	130,139	124,080	14,706	11,628	9,591
Wyoming	NA	NA	54,812	NA	NA	NA
Total	8,017,596	7,793,319	7,435,322	766,750	731,210	695,777

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1996					
	August	July	June	May	April	March
Alabama	16,496	16,794	15,727	16,863	17,310	17,354
Alaska	6,961	6,577	6,268	5,808	6,123	6,764
Arizona	2,172	2,220	2,180	1,453	2,042	2,112
Arkansas	8,990	7,390	7,565	7,760	9,395	12,224
California	64,670	60,431	53,941	53,833	52,449	49,361
Colorado	NA	NA	6,309	6,597	8,185	7,182
Connecticut	2,781	2,286	2,457	2,467	2,809	3,036
Delaware	1,117	1,122	1,303	1,207	1,046	1,314
District of Columbia	0	0	0	0	0	0
Florida	11,552	11,552	10,988	12,826	11,552	11,679
Georgia	15,983	14,011	14,632	15,449	15,477	15,227
Hawaii	0	0	0	0	0	0
Idaho	2,408	2,697	2,698	2,850	2,856	3,206
Illinois	21,041	19,178	21,336	25,635	27,988	32,566
Indiana	19,676	20,037	42,147	9,883	22,984	26,207
Iowa	8,875	8,305	8,419	7,462	9,701	10,401
Kansas	11,693	11,254	11,669	9,541	10,308	10,938
Kentucky	6,430	6,045	8,704	6,403	7,246	8,414
Louisiana	89,426	87,374	90,176	87,567	91,694	88,725
Maine	156	128	167	148	134	159
Maryland	NA	4,262	3,970	4,064	4,983	4,673
Massachusetts	8,889	7,274	7,212	7,165	8,260	8,835
Michigan	24,539	24,946	26,087	28,405	30,792	35,200
Minnesota	7,566	7,989	8,586	8,510	9,983	10,346
Mississippi	6,532	6,839	6,590	6,733	7,012	7,373
Missouri	5,765	4,070	4,644	5,311	6,382	6,973
Montana	1,380	1,224	1,174	1,286	1,311	1,435
Nebraska	1,928	1,976	1,922	2,114	2,576	2,857
Nevada	2,773	2,847	2,710	2,858	2,524	2,649
New Hampshire	352	324	344	424	400	390
New Jersey	15,593	14,236	13,725	14,226	17,426	15,442
New Mexico	1,563	1,600	1,632	1,420	1,749	1,609
New York	22,197	21,237	21,379	19,349	22,857	19,921
North Carolina	8,952	8,169	8,361	9,110	8,777	9,025
North Dakota	409	434	353	605	608	630
Ohio	23,938	22,619	29,133	26,206	28,680	31,069
Oklahoma	17,167	16,923	14,670	15,962	15,052	17,717
Oregon	7,887	7,327	6,795	7,792	5,970	6,376
Pennsylvania	19,207	17,214	18,560	19,897	21,123	23,168
Rhode Island	2,362	1,914	2,114	2,210	2,087	1,833
South Carolina	7,991	7,710	7,826	8,236	8,275	7,668
South Dakota	496	489	478	509	550	1,684
Tennessee	10,115	9,710	9,995	9,460	9,591	9,912
Texas	NA	165,822	170,788	179,149	178,591	183,201
Utah	3,382	3,261	3,171	3,374	3,435	3,636
Vermont	153	106	152	175	133	223
Virginia	7,286	7,089	4,478	6,649	5,953	9,957
Washington	9,965	8,949	7,684	8,630	8,821	9,105
West Virginia	4,033	4,033	3,815	4,020	4,070	4,458
Wisconsin	9,206	8,540	9,186	10,790	13,184	15,050
Wyoming	NA	NA	NA	NA	NA	NA
Total	713,357	678,101	708,317	692,389	734,626	763,301

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1996		1995			
	February	January	Total	December	November	October
Alabama	16,957	16,946	204,060	17,790	17,076	16,919
Alaska	6,115	4,807	64,977	4,714	3,999	4,128
Arizona	1,897	2,152	27,663	2,296	2,248	2,248
Arkansas	12,109	13,120	138,803	11,998	12,094	12,026
California	51,616	51,774	687,921	56,444	54,388	62,097
Colorado	9,397	7,112	72,439	5,739	5,243	3,766
Connecticut	2,777	2,159	33,106	3,028	3,158	2,538
Delaware	1,082	1,170	19,399	1,287	1,669	1,683
District of Columbia	0	0	0	0	0	0
Florida	10,963	9,584	133,477	15,661	10,973	10,332
Georgia	12,024	14,490	183,692	16,401	16,694	17,455
Hawaii	0	0	0	0	0	0
Idaho ^a	3,062	3,335	34,024	3,129	2,943	3,109
Illinois	33,454	38,681	321,465	35,704	32,284	25,162
Indiana	25,615	29,228	275,487	26,872	24,695	21,086
Iowa	9,701	11,082	115,080	12,216	9,887	10,106
Kansas	11,844	14,074	129,515	12,193	10,508	9,357
Kentucky	8,194	10,051	90,764	8,834	8,071	7,545
Louisiana	82,114	79,416	1,044,136	85,024	83,880	87,298
Maine	164	171	1,993	169	242	199
Maryland	3,251	3,579	48,963	3,106	3,881	4,694
Massachusetts	6,963	8,780	107,730	9,656	9,132	7,483
Michigan	35,214	34,241	326,551	32,701	27,912	24,493
Minnesota	7,846	9,548	106,189	10,889	9,114	8,724
Mississippi	7,151	6,481	84,526	7,352	7,334	6,649
Missouri	7,163	7,906	68,924	7,185	6,164	5,389
Montana	1,512	1,807	18,135	1,821	1,753	1,645
Nebraska	2,666	2,828	44,767	3,141	4,125	3,084
Nevada	2,545	2,750	30,641	2,702	2,612	2,371
New Hampshire	330	357	4,607	348	450	416
New Jersey	16,487	18,169	209,014	19,886	18,318	14,764
New Mexico	1,960	2,044	21,095	2,469	2,100	989
New York	22,936	26,799	278,576	26,167	24,647	22,686
North Carolina	6,955	7,299	106,731	8,684	9,303	9,306
North Dakota	577	581	6,505	627	600	549
Ohio	33,410	38,520	336,552	35,635	30,953	26,516
Oklahoma	16,794	19,054	194,101	15,082	16,493	16,186
Oregon	6,164	6,913	68,904	6,418	5,836	6,158
Pennsylvania	22,258	37,314	249,928	22,158	24,198	19,361
Rhode Island	1,647	3,499	35,109	4,305	3,048	1,846
South Carolina	6,330	6,107	98,332	6,928	8,251	8,301
South Dakota	698	629	6,933	702	730	542
Tennessee	10,208	11,785	125,814	11,360	10,937	10,358
Texas	176,101	179,155	1,923,763	179,078	163,975	168,086
Utah	3,721	3,928	42,373	3,805	3,378	3,396
Vermont	148	119	2,159	254	221	181
Virginia	7,239	7,326	97,499	9,819	7,113	7,333
Washington	9,810	10,049	109,997	9,389	9,594	10,139
West Virginia	4,176	4,516	52,239	4,576	4,834	4,576
Wisconsin	15,019	17,283	146,070	15,931	14,483	11,474
Wyoming	NA	NA	NA	NA	NA	NA
Total	740,962	792,806	8,579,585	786,266	736,229	709,183

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Industrial Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1995					
	September	August	July	June	May	April
Alabama	16,065	17,446	17,003	16,661	16,508	16,252
Alaska	6,889	10,375	6,994	7,688	3,660	4,121
Arizona	2,131	2,127	1,989	2,202	2,454	2,513
Arkansas	10,697	11,524	10,995	10,731	11,307	10,842
California	59,153	59,907	58,181	57,915	59,543	60,714
Colorado	6,262	5,931	5,530	6,613	6,365	6,496
Connecticut	2,179	2,220	2,700	2,267	2,518	3,036
Delaware	1,619	1,656	1,483	1,741	2,099	1,815
District of Columbia	0	0	0	0	0	0
Florida	9,602	10,242	10,470	9,977	11,178	11,206
Georgia	12,994	14,253	14,123	14,480	15,202	16,709
Hawaii	0	0	0	0	0	0
Idaho *	2,468	2,291	2,348	2,822	2,796	2,834
Illinois	21,899	21,509	19,734	21,215	23,683	25,306
Indiana	19,205	19,212	18,141	18,794	20,837	22,824
Iowa	8,625	8,816	8,405	8,633	9,160	9,482
Kansas	10,203	13,141	10,958	8,352	11,659	10,255
Kentucky	6,461	6,285	5,886	6,462	6,960	7,461
Louisiana	85,727	87,079	88,168	83,825	93,065	88,016
Maine	155	161	136	155	171	182
Maryland	3,377	4,443	4,243	4,080	4,623	4,363
Massachusetts	7,740	8,532	8,616	9,484	7,703	9,280
Michigan	22,997	23,632	22,010	24,185	26,055	29,765
Minnesota	7,894	8,426	8,111	7,492	7,814	8,668
Mississippi	5,840	6,856	6,644	6,748	7,283	6,652
Missouri	4,862	4,719	4,256	4,474	4,997	5,429
Montana	1,315	1,331	1,307	1,307	1,509	1,579
Nebraska	4,337	3,915	4,526	3,269	3,553	3,626
Nevada	2,643	2,692	2,613	2,553	2,761	2,292
New Hampshire	350	353	364	367	411	506
New Jersey	15,953	16,057	15,519	15,346	16,166	18,107
New Mexico	1,716	1,999	1,403	1,334	1,337	1,548
New York	19,886	22,529	22,633	20,332	20,568	23,355
North Carolina	8,824	9,087	8,117	9,007	8,652	8,488
North Dakota	411	391	470	475	528	558
Ohio	23,938	23,159	21,212	22,325	24,718	27,547
Oklahoma	15,262	17,580	14,072	16,299	15,407	14,639
Oregon	5,246	5,941	5,371	5,236	5,617	5,543
Pennsylvania	17,922	18,075	17,785	18,127	18,912	21,463
Rhode Island	2,563	2,944	2,890	2,720	3,240	3,295
South Carolina	8,081	8,460	7,481	9,212	8,912	8,664
South Dakota	474	531	499	553	567	581
Tennessee	10,680	9,378	9,050	10,275	8,269	11,944
Texas	156,909	147,607	168,106	152,278	174,700	161,166
Utah	3,116	2,995	2,891	2,997	3,450	3,500
Vermont	115	150	151	157	172	193
Virginia	8,569	11,546	10,330	7,703	7,767	7,015
Washington	9,314	9,447	7,674	7,590	7,812	9,408
West Virginia	4,043	4,111	3,753	3,920	4,306	4,207
Wisconsin	9,663	9,313	8,377	8,810	10,329	12,596
Wyoming	NA	3,738	3,452	3,967	3,914	4,166
Total	670,153	684,111	677,167	663,154	711,216	720,208

* 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.

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, 1994-1996**
(Million Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996		
				November	October	September
Alabama	5,857	7,271	3,508	480	384	593
Alaska	28,696	27,280	26,118	2,683	2,637	2,449
Arizona	18,808	18,336	22,784	296	2,242	2,145
Arkansas	32,774	31,937	24,667	297	201	4,215
California	301,132	370,754	552,097	22,900	32,454	35,565
Colorado	4,219	3,538	4,524	319	301	622
Connecticut	10,326	19,266	7,062	912	1,643	2,168
Delaware	22,327	25,047	15,703	2,129	2,330	2,562
District of Columbia	0	0	0	0	0	0
Florida	270,612	301,799	166,128	17,908	28,677	33,596
Georgia	4,634	7,817	941	80	9	243
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	25,322	36,362	31,491	1,859	1,046	2,309
Indiana	4,096	7,677	8,404	256	144	197
Iowa	3,186	3,469	2,487	232	141	277
Kansas	21,948	26,855	26,142	578	808	1,959
Kentucky	1,754	697	326	104	65	83
Louisiana	241,070	306,207	259,163	14,958	18,877	21,485
Maine	0	0	0	0	0	0
Maryland	8,247	18,692	12,141	263	485	1,521
Massachusetts	43,415	62,890	38,153	3,081	8,648	9,010
Michigan	29,678	32,244	16,513	3,151	2,705	3,320
Minnesota	4,882	8,036	5,340	403	469	602
Mississippi	79,605	104,803	74,553	6,561	5,392	9,812
Missouri	5,301	12,595	4,155	238	223	403
Montana	398	362	584	85	42	35
Nebraska	2,269	2,794	2,922	94	122	161
Nevada	44,467	37,449	30,967	2,458	4,266	4,900
New Hampshire	3	2,248	1,276	1	0	0
New Jersey	25,387	43,699	40,393	1,038	1,481	3,576
New Mexico	27,721	30,082	29,748	2,423	2,777	2,491
New York	137,618	237,491	166,421	10,715	14,459	21,421
North Carolina	2,381	3,080	867	1	112	75
North Dakota	3	1	2	0	0	1
Ohio	2,762	7,143	2,759	259	56	257
Oklahoma	129,867	144,864	142,729	8,068	9,395	13,201
Oregon	13,681	18,682	22,983	1,289	3,049	3,801
Pennsylvania	6,958	24,430	11,815	654	650	1,151
Rhode Island	22,910	2,941	546	2,449	2,424	2,236
South Carolina	1,187	6,603	2,341	16	23	350
South Dakota	690	905	155	80	5	76
Tennessee	572	2,055	1,019	1	0	79
Texas	990,799	985,858	987,561	59,049	75,410	90,561
Utah	3,287	8,520	7,954	130	133	554
Vermont	21	91	165	3	3	3
Virginia	9,832	15,653	17,357	193	473	1,677
Washington	6,569	6,344	2,460	358	801	2,251
West Virginia	162	387	223	3	1	26
Wisconsin	6,602	8,679	3,492	803	572	739
Wyoming	12	120	121	0	0	0
Total	2,604,036	3,024,051	2,779,261	169,859	226,132	284,756

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Electric Utility Consumers,
by State, 1994-1996**
(Million Cubic Feet) — Continued

State	1996					
	August	July	June	May	April	March
Alabama	708	1,457	932	841	112	134
Alaska	2,595	2,514	2,613	2,595	2,434	2,763
Arizona	4,797	3,286	1,942	1,048	828	649
Arkansas	5,421	7,029	5,729	4,348	3,663	1,181
California	54,986	42,047	23,710	18,674	18,202	13,728
Colorado	677	494	319	427	246	317
Connecticut	2,269	1,409	952	596	298	28
Delaware	2,416	2,342	2,727	1,191	1,291	1,742
District of Columbia	0	0	0	0	0	0
Florida	33,376	29,468	28,343	31,478	21,801	15,876
Georgia	588	1,514	1,011	1,001	61	98
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	4,289	4,369	4,210	2,565	2,103	856
Indiana	570	483	746	507	248	233
Iowa	298	355	546	436	289	274
Kansas	4,148	4,884	4,179	1,669	728	726
Kentucky	281	249	236	237	139	119
Louisiana	32,455	35,959	32,610	27,082	13,556	15,080
Maine	0	0	0	0	0	0
Maryland	1,920	1,273	1,279	981	220	126
Massachusetts	7,153	3,477	3,620	2,446	2,108	1,485
Michigan	2,746	2,767	3,066	2,617	2,011	2,100
Minnesota	624	690	699	273	342	351
Mississippi	12,074	10,509	12,011	8,495	4,734	3,311
Missouri	896	1,152	1,012	803	184	111
Montana	23	45	52	8	4	37
Nebraska	213	348	466	321	202	139
Nevada	6,394	6,552	4,807	4,277	2,737	2,474
New Hampshire	0	0	0	0	0	0
New Jersey	4,064	4,441	4,211	1,987	647	483
New Mexico	3,455	3,481	2,899	3,071	1,997	2,383
New York	24,086	18,789	16,792	13,150	5,595	5,703
North Carolina	196	766	803	378	3	3
North Dakota	1	0	1	0	0	0
Ohio	593	312	477	427	46	58
Oklahoma	19,056	19,748	17,720	12,330	7,340	7,490
Oregon	3,202	2,339	0	0	0	0
Pennsylvania	1,778	676	592	507	262	225
Rhode Island	2,417	2,031	2,047	2,013	1,700	2,395
South Carolina	64	239	279	189	9	9
South Dakota	178	155	174	2	3	6
Tennessee	240	130	78	15	0	29
Texas	120,040	136,076	115,308	116,249	72,922	72,619
Utah	870	810	228	8	128	137
Vermont	2	3	4	0	2	0
Virginia	1,578	1,704	1,534	861	107	201
Washington	2,558	451	0	1	0	57
West Virginia	15	11	21	9	16	13
Wisconsin	1,198	532	773	697	229	353
Wyoming	0	0	0	0	0	0
Total	367,510	357,368	301,759	266,809	169,547	156,102

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Electric Utility* Consumers,
by State, 1994-1996**
(Million Cubic Feet) — Continued

State	1996		1995			
	February	January	Total	December	November	October
Alabama	125	92	7,377	107	226	260
Alaska	2,573	2,839	29,809	2,528	2,436	2,350
Arizona	550	1,025	18,846	510	502	375
Arkansas	433	258	32,750	813	622	2,059
California	15,742	23,123	394,698	23,944	30,266	34,916
Colorado	305	193	3,798	259	230	341
Connecticut	27	26	19,310	44	928	1,000
Delaware	939	2,657	27,010	1,964	2,478	2,356
District of Columbia	0	0	0	0	0	0
Florida	13,992	16,097	318,854	17,056	25,857	30,486
Georgia	15	13	7,834	17	63	184
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	421	1,296	39,143	2,782	3,216	1,456
Indiana	337	373	8,349	671	623	246
Iowa	162	176	3,614	145	129	215
Kansas	701	1,568	27,945	1,090	1,050	629
Kentucky	56	186	866	170	124	30
Louisiana	14,146	14,863	322,923	16,716	21,614	26,302
Maine	0	0	0	0	0	0
Maryland	69	109	18,833	140	435	632
Massachusetts	1,435	952	64,623	1,732	3,431	5,658
Michigan	2,214	2,981	35,784	3,540	3,217	2,521
Minnesota	200	229	8,292	255	456	562
Mississippi	2,838	3,868	111,229	6,426	5,181	6,374
Missouri	134	146	12,830	234	500	416
Montana	23	43	388	27	32	16
Nebraska	80	123	3,059	265	269	246
Nevada	2,488	3,113	40,134	2,686	2,463	3,138
New Hampshire	0	0	2,248	0	9	2
New Jersey	1,291	2,171	45,897	2,199	2,576	2,133
New Mexico	861	1,883	31,924	1,842	2,025	1,917
New York	3,392	3,514	246,265	8,774	16,690	19,517
North Carolina	9	35	3,146	66	114	194
North Dakota	0	0	1	0	0	0
Ohio	90	187	7,459	315	402	179
Oklahoma	6,910	8,610	154,114	9,251	7,826	8,438
Oregon	0	0	19,136	455	1,700	2,940
Pennsylvania	120	344	24,697	267	380	1,527
Rhode Island	1,523	1,674	5,002	2,061	1,571	426
South Carolina	5	4	6,615	12	10	1,064
South Dakota	10	1	931	26	35	32
Tennessee	0	0	2,055	0	0	0
Texas	61,382	71,184	1,047,274	61,416	55,785	75,055
Utah	151	138	8,707	188	452	865
Vermont	0	1	138	48	13	3
Virginia	505	998	16,414	761	1,209	1,191
Washington	26	65	6,356	12	268	1,134
West Virginia	16	33	410	23	40	45
Wisconsin	271	436	9,289	610	465	243
Wyoming	5	7	128	8	11	8
Total	136,567	167,628	3,196,507	172,457	197,926	239,680

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Electric Utility^a Consumers,
by State, 1994-1996**
(Million Cubic Feet) — Continued

State	1995					
	September	August	July	June	May	April
Alabama	418	2,562	1,830	623	293	209
Alaska	2,536	2,706	2,333	2,319	2,615	2,335
Arizona	2,738	5,286	3,821	1,027	707	1,002
Arkansas	4,391	7,508	5,596	4,070	3,167	2,243
California	50,120	58,680	39,441	18,651	18,187	25,880
Colorado	377	358	326	447	220	282
Connecticut	1,077	2,352	2,810	2,202	2,414	1,645
Delaware	2,341	3,165	3,692	1,730	1,236	2,145
District of Columbia	0	0	0	0	0	0
Florida	33,168	32,954	32,565	33,287	31,358	29,875
Georgia	235	3,049	2,478	706	629	231
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,228	8,989	5,877	4,308	1,406	1,759
Indiana	166	2,386	1,581	616	432	167
Iowa	278	1,196	609	355	123	246
Kansas	2,281	8,016	6,111	2,590	1,212	1,307
Kentucky	23	87	66	33	95	26
Louisiana	31,977	41,725	40,415	35,649	28,330	22,135
Maine	0	0	0	0	0	0
Maryland	2,163	5,936	4,585	1,568	538	535
Massachusetts	7,340	5,537	9,270	8,232	7,090	6,731
Michigan	2,961	5,909	3,120	3,035	2,465	2,752
Minnesota	719	1,700	1,070	931	729	464
Mississippi	10,892	16,129	14,618	12,311	10,347	6,102
Missouri	808	3,949	2,974	1,150	689	749
Montana	26	141	60	47	14	3
Nebraska	198	782	483	211	113	134
Nevada	4,522	5,977	5,316	3,222	3,051	1,928
New Hampshire	122	547	627	528	395	0
New Jersey	3,362	10,598	10,649	3,563	2,112	1,194
New Mexico	2,286	3,692	3,727	2,839	2,986	3,044
New York	22,888	35,249	34,476	25,784	20,520	16,880
North Carolina	123	1,509	532	158	195	168
North Dakota	0	0	0	0	0	0
Ohio	555	2,794	1,745	504	178	251
Oklahoma	13,154	25,658	22,707	15,774	12,758	12,326
Oregon	2,940	2,932	1,132	0	230	842
Pennsylvania	2,953	5,002	4,538	3,276	1,161	1,122
Rhode Island	545	284	108	7	0	0
South Carolina	1,441	1,897	825	471	185	7
South Dakota	26	449	230	98	7	6
Tennessee	49	1,251	682	73	0	0
Texas	97,312	137,556	129,947	103,034	97,077	79,847
Utah	1,245	1,270	146	175	848	900
Vermont	2	2	5	4	3	2
Virginia	1,223	2,171	1,408	213	1,248	1,093
Washington	2,554	1,062	88	21	8	8
West Virginia	18	29	23	36	39	80
Wisconsin	304	3,004	2,084	1,123	204	228
Wyoming	10	8	32	4	7	7
Total	316,096	468,021	406,758	297,007	257,620	228,889

^a 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, 1994-1996
(Million Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996		
				November	October	September
Alabama	269,673	258,273	236,175	23,583	22,119	20,332
Alaska	133,393	122,269	112,287	13,247	12,312	10,694
Arizona	91,912	92,851	96,938	7,436	7,463	7,031
Arkansas	210,998	215,913	207,230	18,544	15,455	14,353
California	1,539,235	1,675,605	1,837,745	149,115	141,022	138,510
Colorado	NA	221,619	210,067	23,011	^R 14,661	^R 12,554
Connecticut	112,795	117,166	106,895	10,880	8,940	7,524
Delaware	49,900	55,324	43,860	4,471	4,241	4,108
District of Columbia	28,946	27,952	27,203	2,456	1,382	1,173
Florida	448,877	468,870	329,558	34,115	43,675	48,884
Georgia	329,434	316,900	296,325	36,056	24,373	20,839
Hawaii	2,433	2,550	2,543	199	208	211
Idaho	54,295	51,209	45,188	5,427	4,266	3,587
Illinois	962,450	914,530	883,325	123,066	66,501	42,724
Indiana	NA	460,194	456,695	53,888	40,312	NA
Iowa	224,641	216,477	209,805	27,130	15,380	11,705
Kansas	274,645	249,687	306,188	27,919	14,828	15,609
Kentucky	182,821	168,635	160,785	22,567	13,104	9,468
Louisiana	NA	1,331,740	1,239,733	NA	114,700	117,049
Maine	4,977	4,624	4,464	619	478	271
Maryland	NA	167,452	161,386	NA	13,111	11,164
Massachusetts	315,904	321,502	305,588	31,456	28,417	24,605
Michigan	875,397	808,985	793,829	92,403	56,809	43,754
Minnesota	303,725	287,774	267,037	36,442	21,218	14,049
Mississippi	NA	222,002	193,945	17,003	^R 15,015	18,432
Missouri	248,425	235,136	233,569	24,113	12,355	9,872
Montana	47,914	45,209	39,642	5,865	3,699	2,517
Nebraska	NA	NA	109,105	NA	11,344	9,307
Nevada	110,861	100,548	90,793	8,996	8,928	9,434
New Hampshire	16,476	17,548	16,898	1,856	1,087	719
New Jersey	NA	512,116	520,724	43,302	30,790	27,969
New Mexico	100,189	93,844	94,355	10,595	7,244	6,098
New York	NA	1,009,107	899,223	NA	66,767	61,672
North Carolina	187,146	174,007	162,935	18,744	14,596	11,915
North Dakota	27,405	25,313	24,091	3,219	1,791	1,135
Ohio	806,240	753,455	728,791	88,642	55,791	35,016
Oklahoma	415,458	417,291	413,277	32,877	30,172	33,312
Oregon	144,013	124,866	123,026	15,290	14,366	13,575
Pennsylvania	616,130	591,008	584,610	63,106	40,230	28,704
Rhode Island	74,001	58,996	64,080	7,190	6,306	5,616
South Carolina	129,731	135,203	127,751	12,398	10,765	9,779
South Dakota	NA	27,151	24,114	3,529	1,711	1,192
Tennessee	226,252	210,885	203,294	23,932	15,968	14,241
Texas	NA	3,093,368	3,021,595	253,615	267,075	281,863
Utah	113,374	111,950	103,056	12,744	10,028	7,821
Vermont	6,479	6,203	6,483	697	439	299
Virginia	202,145	207,953	199,568	20,904	13,251	10,930
Washington	205,814	189,398	179,682	21,948	^R 17,141	15,951
West Virginia	104,848	99,902	95,661	10,525	7,734	6,749
Wisconsin	NA	322,921	305,306	43,385	24,041	16,449
Wyoming	NA	NA	72,750	NA	NA	NA
Total	17,980,636	17,521,300	16,979,171	1,739,290	^R1,380,503	^R1,252,325

See footnotes at end of table.

Table 18. Natural Gas Deliveries to All Consumers, by State, 1994-1996

(Million Cubic Feet) — Continued

State	1996					
	August	July	June	May	April	March
Alabama	19,593	20,743	19,389	22,385	26,632	29,281
Alaska	11,277	10,709	10,776	10,926	12,065	14,222
Arizona	9,584	8,229	7,239	5,975	7,607	9,180
Arkansas	16,427	16,407	15,550	15,597	20,877	23,458
California	158,895	138,210	119,352	118,794	124,638	136,932
Colorado	^R 11,956	NA	14,006	18,364	26,966	31,107
Connecticut	7,714	6,750	6,428	7,613	11,035	14,152
Delaware	3,913	3,865	4,590	3,286	4,160	5,467
District of Columbia	1,129	1,216	1,412	2,050	3,623	3,939
Florida	48,289	44,583	43,133	48,641	38,893	33,759
Georgia	22,140	21,421	21,246	23,976	30,727	40,569
Hawaii	204	216	220	215	238	234
Idaho	3,040	3,344	3,719	4,536	5,166	6,416
Illinois	40,201	40,334	43,687	65,030	90,570	131,207
Indiana	25,801	26,095	50,193	23,801	48,030	63,320
Iowa	11,855	11,529	12,930	14,643	21,463	29,517
Kansas	22,086	20,443	19,938	18,320	23,583	31,619
Kentucky	9,138	8,482	11,543	10,461	16,338	24,378
Louisiana	125,048	126,442	126,278	118,910	112,844	114,401
Maine	253	226	278	339	423	652
Maryland	11,577	9,317	9,723	11,652	16,352	22,396
Massachusetts	22,795	17,329	18,989	22,456	30,966	38,096
Michigan	40,163	41,232	46,321	68,152	93,033	123,153
Minnesota	12,873	13,574	15,968	21,334	31,147	42,365
Mississippi	20,596	19,342	20,530	17,872	16,940	17,137
Missouri	11,484	10,217	11,455	15,948	26,353	35,478
Montana	2,217	2,125	2,487	3,594	4,732	5,934
Nebraska	8,551	NA	NA	NA	NA	NA
Nevada	10,882	11,277	9,784	9,818	8,913	10,245
New Hampshire	694	656	814	1,252	1,752	2,350
New Jersey	29,780	28,687	29,465	34,945	52,628	64,143
New Mexico	7,364	8,322	8,064	6,694	9,079	9,909
New York	63,917	NA	NA	NA	NA	NA
North Carolina	11,647	11,294	12,025	13,678	18,923	21,512
North Dakota	925	942	1,281	2,170	3,212	3,769
Ohio	35,443	34,936	47,571	53,242	80,030	111,938
Oklahoma	39,242	39,919	36,034	33,643	34,163	40,561
Oregon	12,666	11,471	9,482	11,872	10,846	13,312
Pennsylvania	31,894	27,758	32,374	41,927	60,662	83,838
Rhode Island	5,671	4,849	5,299	6,195	6,613	8,498
South Carolina	9,420	9,297	9,916	10,794	13,110	13,543
South Dakota	1,188	1,171	NA	1,932	2,978	5,043
Tennessee	13,443	12,963	13,556	14,505	21,844	26,568
Texas	315,797	324,470	309,789	323,402	292,110	310,615
Utah	6,544	6,510	5,643	6,988	10,578	12,315
Vermont	272	227	339	497	685	962
Virginia	12,381	12,873	11,110	13,467	17,731	28,670
Washington	15,489	12,883	12,980	16,524	18,409	22,245
West Virginia	5,913	6,024	5,790	7,267	10,514	13,456
Wisconsin	15,625	^R 14,035	NA	24,609	34,119	48,084
Wyoming	4,762	NA	NA	NA	NA	NA
Total	^R 1,329,761	^R 1,289,308	1,315,762	1,420,676	1,674,863	2,027,453

See footnotes at end of table.

Table 18. Natural Gas Deliveries to All Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1996		1995			
	February	January	Total	December	November	October
Alabama	33,118	32,499	287,239	28,963	23,381	20,043
Alaska	14,370	12,796	134,996	12,726	10,307	9,190
Arizona	9,858	12,308	101,731	8,762	6,361	5,351
Arkansas	26,518	27,813	240,071	24,157	18,503	16,563
California	148,523	165,245	1,839,721	163,271	141,117	143,028
Colorado	37,595	35,307	247,180	25,542	20,007	13,350
Connecticut	15,422	16,336	131,130	13,952	10,343	6,867
Delaware	5,148	6,651	60,658	5,333	5,165	4,478
District of Columbia	5,070	5,495	32,735	4,773	2,362	1,247
Florida	31,778	33,126	507,329	38,384	41,005	44,326
Georgia	39,687	48,401	362,734	45,832	37,428	27,085
Hawaii	241	247	2,773	223	221	223
Idaho	7,356	7,439	57,407	6,178	5,305	4,328
Illinois	147,434	171,695	1,065,238	150,677	122,315	65,148
Indiana	68,685	78,793	527,719	67,428	52,765	32,397
Iowa	31,838	36,652	251,262	34,779	27,190	17,145
Kansas	36,257	44,044	286,430	36,741	22,381	16,329
Kentucky	25,967	31,376	196,392	27,754	22,164	12,598
Louisiana	110,488	110,179	1,443,515	111,753	111,708	117,082
Maine	693	743	5,333	709	593	376
Maryland	24,298	27,557	191,272	23,769	16,788	10,160
Massachusetts	39,621	41,174	360,429	38,915	29,250	21,124
Michigan	131,901	138,475	936,466	127,454	90,578	54,297
Minnesota	44,184	50,570	333,900	46,101	35,421	21,711
Mississippi	19,284	20,073	242,887	20,617	16,534	14,668
Missouri	43,511	47,640	271,956	36,814	23,737	12,821
Montana	7,379	7,365	51,660	6,443	5,486	3,935
Nebraska	NA	NA	NA	NA	NA	NA
Nevada	10,560	12,024	110,273	9,616	7,869	7,477
New Hampshire	2,595	2,701	19,877	2,329	1,629	957
New Jersey	76,135	84,073	588,315	76,194	50,145	30,355
New Mexico	11,189	15,632	105,796	11,879	9,301	5,555
New York	NA	NA	1,131,325	122,091	96,317	68,756
North Carolina	25,453	27,358	196,626	22,610	17,125	12,641
North Dakota	4,599	4,362	29,371	4,046	2,905	1,522
Ohio	121,775	141,857	877,112	123,470	90,931	51,937
Oklahoma	45,614	49,920	456,674	39,265	32,367	28,987
Oregon	15,649	15,484	138,545	13,661	12,166	11,392
Pennsylvania	91,367	114,269	680,495	89,477	72,297	38,110
Rhode Island	8,208	9,559	69,520	10,522	7,171	3,525
South Carolina	14,966	15,743	148,980	13,776	12,196	11,065
South Dakota	4,614	4,795	31,164	4,008	3,215	1,943
Tennessee	33,026	36,206	239,100	28,212	23,469	14,742
Texas	293,918	323,159	3,387,065	293,668	253,956	265,673
Utah	17,039	17,162	126,981	14,931	11,120	10,024
Vermont	1,015	1,049	7,268	1,065	653	400
Virginia	29,425	31,401	239,616	31,620	21,147	13,455
Washington	26,815	25,428	211,791	22,286	19,597	16,021
West Virginia	14,859	16,018	113,908	13,999	11,239	7,619
Wisconsin	51,803	59,172	376,291	53,338	42,409	23,685
Wyoming	NA	NA	NA	NA	NA	NA
Total	2,163,024	2,387,669	19,660,161	2,136,187	1,719,670	1,336,124

See footnotes at end of table.

Table 18. Natural Gas Deliveries to All Consumers, by State, 1994-1996
(Million Cubic Feet) — Continued

State	1995					
	September	August	July	June	May	April
Alabama	18,901	22,417	21,383	20,091	20,461	22,115
Alaska	11,378	14,831	11,185	12,175	8,820	10,392
Arizona	7,399	10,089	8,619	6,491	7,236	8,499
Arkansas	17,190	20,983	18,603	17,200	17,692	18,085
California	150,812	158,235	144,757	124,518	141,051	154,312
Colorado	11,621	11,284	12,080	17,218	21,503	23,069
Connecticut	6,053	7,325	8,234	7,779	9,964	12,362
Delaware	4,341	5,167	5,554	3,959	4,177	5,352
District of Columbia	1,166	1,123	1,250	1,356	1,971	2,907
Florida	46,317	46,589	46,721	46,941	46,431	45,636
Georgia	18,998	23,083	22,122	21,007	22,710	26,704
Hawaii	224	221	234	238	234	232
Idaho	3,164	2,891	3,047	3,849	4,419	5,059
Illinois	43,840	47,059	43,351	43,714	54,427	85,099
Indiana	25,643	26,751	25,035	25,553	32,681	42,586
Iowa	12,417	12,414	11,704	11,806	15,908	21,295
Kansas	17,252	26,376	21,191	14,863	19,685	21,030
Kentucky	9,069	8,591	8,291	8,683	11,145	13,232
Louisiana	120,846	131,803	131,556	123,249	125,404	115,722
Maine	272	256	231	260	347	474
Maryland	9,699	13,982	12,385	9,871	11,213	14,731
Massachusetts	21,269	23,772	23,915	25,252	26,306	34,707
Michigan	42,277	42,421	38,748	44,061	61,001	86,986
Minnesota	14,748	14,677	13,977	14,446	18,879	28,283
Mississippi	18,231	24,998	23,005	21,026	19,878	15,818
Missouri	10,631	13,080	12,149	11,608	16,026	20,383
Montana	2,527	2,295	2,303	2,545	3,659	4,624
Nebraska	NA	8,600	8,481	6,070	7,953	9,786
Nevada	8,850	10,303	9,813	8,130	8,938	8,161
New Hampshire	844	1,201	1,338	1,347	1,551	1,827
New Jersey	30,005	36,339	36,550	29,961	35,930	48,990
New Mexico	6,008	7,625	6,960	6,953	8,162	8,881
New York	62,723	76,209	78,400	71,433	78,882	99,302
North Carolina	11,481	12,870	11,112	11,840	12,495	15,366
North Dakota	996	898	1,045	1,273	1,906	2,893
Ohio	36,514	36,657	34,751	36,383	49,791	72,777
Oklahoma	32,034	46,313	40,170	36,169	34,551	35,227
Oregon	9,853	10,405	8,270	7,480	9,474	11,232
Pennsylvania	30,890	32,096	31,890	32,426	39,436	58,069
Rhode Island	3,877	4,258	3,859	4,000	5,335	6,483
South Carolina	11,040	11,710	9,728	11,205	10,887	11,636
South Dakota	1,164	1,448	1,312	1,460	2,000	2,891
Tennessee	13,796	13,761	12,798	13,722	12,624	18,435
Texas	272,935	308,457	322,408	275,621	298,149	274,195
Utah	7,419	6,586	5,285	6,249	8,937	11,165
Vermont	266	267	274	328	451	739
Virginia	13,321	17,649	15,572	12,074	15,174	17,515
Washington	15,141	13,415	10,872	11,716	13,765	18,396
West Virginia	5,952	5,757	5,347	5,713	7,514	9,480
Wisconsin	16,609	17,229	15,075	15,254	20,587	32,181
Wyoming	NA	4,275	4,203	5,246	5,800	6,361
Total	1,249,730	1,397,041	1,347,142	1,251,815	1,413,521	1,621,680

^R = Revised Data.

NA = Not Available.

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

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

Table 19. Average City Gate Price, by State, 1994-1996

(Dollars per Thousand Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996				
				November	October	September	August	July
Alabama	3.40	2.90	3.51	3.63	3.44	3.62	4.11	4.04
Alaska	1.58	1.67	1.62	1.60	1.55	1.57	1.54	1.54
Arizona	2.53	2.14	2.56	3.29	2.66	3.02	3.58	2.94
Arkansas	2.60	2.29	2.57	3.04	2.46	2.29	2.59	2.76
California	2.44	2.04	2.59	3.00	2.38	2.35	2.78	2.43
Colorado	NA	2.66	3.36	3.13	2.65	2.28	^R 2.29	NA
Connecticut	4.97	4.71	4.11	4.60	4.46	4.65	4.42	4.75
Delaware	3.48	2.67	2.97	3.42	2.85	3.03	3.80	4.22
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.62	2.65	2.81	3.90	3.28	3.03	3.57	3.58
Georgia	3.63	2.96	3.58	3.71	3.14	3.32	4.00	4.20
Hawaii	5.98	5.25	4.88	6.30	6.33	6.00	6.05	6.34
Idaho	2.22	2.22	2.52	2.10	2.11	2.72	2.48	5.26
Illinois	3.15	2.60	3.05	3.25	2.65	2.80	3.25	3.69
Indiana	3.00	2.84	2.97	3.16	2.49	2.29	2.70	3.30
Iowa	3.36	2.83	3.20	3.46	3.12	4.28	7.96	7.45
Kansas	2.96	2.35	2.91	3.38	2.91	2.65	3.08	3.57
Kentucky	3.26	2.79	3.15	3.59	2.94	3.16	3.04	3.07
Louisiana	2.99	2.13	2.57	3.24	2.20	2.26	2.69	3.01
Maine	4.28	3.39	2.91	3.64	3.93	3.91	4.35	5.04
Maryland	NA	2.91	3.47	NA	NA	NA	NA	6.04
Massachusetts	3.91	3.56	4.10	3.72	3.60	5.36	5.68	5.53
Michigan	2.82	2.58	2.69	3.07	2.49	2.31	2.98	2.87
Minnesota	2.92	2.50	2.86	3.19	2.65	2.91	3.32	4.13
Mississippi	NA	2.41	2.87	3.14	2.83	^R 2.59	2.89	3.10
Missouri	3.10	2.77	3.17	3.20	3.47	4.14	5.12	4.82
Montana	2.95	3.07	3.52	3.04	3.08	3.24	4.11	3.60
Nebraska	2.90	2.52	3.08	3.11	2.93	2.69	4.83	3.30
Nevada	3.05	2.82	3.24	3.46	2.96	3.22	3.80	3.44
New Hampshire	4.09	3.36	3.48	4.15	3.19	3.86	4.47	5.03
New Jersey	3.69	3.33	3.37	3.84	3.12	3.51	3.71	3.77
New Mexico	1.69	1.47	2.02	2.68	1.88	1.66	2.07	1.60
New York	3.24	2.40	3.06	3.03	2.86	3.00	3.15	3.13
North Carolina	3.65	2.96	3.34	3.48	3.22	3.67	3.94	3.75
North Dakota	2.78	2.58	3.26	3.10	2.49	2.54	3.44	2.90
Ohio	4.31	3.92	3.48	4.95	5.06	6.11	5.58	4.53
Oklahoma	2.50	2.55	2.44	2.11	1.99	2.53	2.65	2.51
Oregon	2.33	2.55	2.77	2.41	2.24	2.98	3.15	3.89
Pennsylvania	3.90	3.12	3.49	4.11	4.03	4.25	5.07	5.40
Rhode Island	4.30	3.61	4.30	4.04	3.91	5.94	6.51	7.46
South Carolina	3.80	3.25	3.73	3.76	3.26	3.53	3.87	4.01
South Dakota	3.04	2.92	3.43	3.37	2.87	3.42	6.37	4.74
Tennessee	3.79	2.65	2.74	3.71	2.92	3.39	3.67	3.48
Texas	3.09	2.93	2.98	3.49	2.73	2.95	3.06	3.04
Utah	2.23	2.98	3.25	3.32	1.66	2.22	2.08	2.15
Vermont	2.75	2.65	3.22	2.49	2.18	2.36	2.69	3.68
Virginia	3.71	2.88	3.48	3.69	3.34	3.40	4.42	4.52
Washington	2.32	2.20	2.53	2.50	1.94	2.71	3.21	3.57
West Virginia	3.31	2.81	3.28	3.25	3.57	3.77	4.29	3.66
Wisconsin	3.24	2.85	3.52	3.61	3.00	3.87	4.71	4.65
Wyoming	NA	NA	2.90	NA	NA	NA	NA	NA
Total	3.22	2.77	3.10	3.47	2.93	^R 3.07	^R 3.47	3.51

See footnotes at end of table.

Table 19. Average City Gate Price, by State, 1994-1996
(Dollars per Thousand Cubic Feet) — Continued

State	1996						1995	
	June	May	April	March	February	January	Total	December
Alabama	3.78	3.52	3.27	3.15	3.35	3.13	2.89	2.83
Alaska	1.57	1.56	1.58	1.60	1.60	1.56	1.67	1.67
Arizona	2.57	2.46	2.05	1.97	2.36	2.08	2.10	1.86
Arkansas	2.82	2.59	2.50	2.57	2.52	2.52	2.32	2.46
California	2.56	2.14	2.22	2.42	2.25	2.29	2.03	1.90
Colorado	2.40	2.50	2.93	2.16	2.18	2.08	2.65	2.60
Connecticut	5.03	4.94	5.22	4.66	5.37	5.55	4.70	4.60
Delaware	3.44	3.18	3.75	4.20	3.43	3.27	2.70	3.01
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.31	3.39	3.97	3.83	3.60	3.84	2.74	3.32
Georgia	3.66	3.74	3.51	3.82	3.36	3.71	2.96	2.95
Hawaii	6.27	6.32	5.74	5.53	5.49	5.60	5.20	4.65
Idaho	3.39	2.28	2.21	2.12	2.08	1.98	2.18	1.98
Illinois	3.12	2.83	2.93	3.49	3.73	2.66	2.59	2.53
Indiana	3.10	2.56	2.90	3.06	3.32	3.11	2.84	2.82
Iowa	4.61	4.19	3.13	2.82	3.03	2.62	2.82	2.73
Kansas	3.51	3.22	3.23	2.70	2.67	2.66	2.36	2.44
Kentucky	3.08	3.83	3.50	3.29	3.05	3.19	2.80	2.87
Louisiana	2.71	2.65	3.06	3.29	3.24	3.58	2.21	2.78
Maine	5.51	5.32	5.34	4.01	3.89	3.95	3.35	3.08
Maryland	5.63	4.35	4.01	3.70	3.23	3.82	2.87	2.68
Massachusetts	6.05	4.40	3.97	3.32	3.17	3.65	3.53	3.35
Michigan	2.64	2.69	2.80	3.11	2.91	3.14	2.61	2.81
Minnesota	2.88	2.81	2.72	2.79	2.78	2.90	2.52	2.65
Mississippi	2.90	2.70	3.37	3.36	3.07	3.49	2.53	3.23
Missouri	4.51	3.86	3.20	2.61	2.59	2.52	2.73	2.57
Montana	3.05	2.81	3.18	2.52	2.98	2.83	3.01	2.72
Nebraska	3.50	3.41	3.04	2.71	2.45	2.66	2.49	2.34
Nevada	3.37	3.68	3.32	2.64	2.75	2.51	2.73	2.20
New Hampshire	4.64	4.09	4.09	4.06	3.99	4.14	3.39	3.60
New Jersey	3.82	4.61	3.75	3.15	3.49	4.09	3.34	3.40
New Mexico	1.40	1.22	1.18	1.40	1.69	1.53	1.46	1.44
New York	3.17	3.18	3.40	3.34	3.19	3.42	2.47	2.98
North Carolina	3.75	3.69	3.95	3.60	3.66	3.65	2.95	2.95
North Dakota	2.78	2.64	2.62	2.45	2.82	2.94	2.58	2.55
Ohio	8.17	4.87	4.06	3.90	3.80	3.81	3.84	3.46
Oklahoma	2.40	2.61	2.53	2.58	2.60	2.46	2.52	2.27
Oregon	2.11	2.40	2.27	2.19	1.96	2.06	2.42	1.71
Pennsylvania	4.96	3.94	4.66	3.62	3.28	3.26	3.09	2.95
Rhode Island	^a 6.42	5.06	3.53	3.85	3.92	3.28	3.57	3.34
South Carolina	3.49	3.96	3.96	3.94	3.77	4.01	3.25	3.27
South Dakota	3.96	2.92	2.63	2.84	2.79	2.54	2.88	2.68
Tennessee	3.67	3.72	3.28	3.29	4.56	4.50	2.71	3.01
Texas	2.91	2.81	3.13	3.05	3.13	3.20	2.95	3.06
Utah	2.12	1.93	1.98	2.34	2.10	2.27	2.88	2.43
Vermont	3.01	2.66	3.10	2.83	2.82	2.93	2.61	2.38
Virginia	4.93	4.00	3.38	3.58	3.36	3.88	2.92	3.10
Washington	3.39	2.30	2.23	1.99	2.12	1.98	2.18	2.07
West Virginia	3.28	3.89	3.26	3.24	3.48	2.60	2.85	3.04
Wisconsin	4.81	3.42	3.48	2.88	2.78	2.87	2.83	2.75
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA
Total	^a 3.39	3.18	3.22	3.17	3.16	3.13	2.78	2.83

See footnotes at end of table.

Table 19. Average City Gate Price, by State, 1994-1996

(Dollars per Thousand Cubic Feet) — Continued

State	1995							
	November	October	September	August	July	June	May	April
Alabama	2.84	3.52	3.50	3.20	3.83	3.58	3.34	2.90
Alaska	1.66	1.63	1.64	1.57	1.63	1.60	1.70	1.79
Arizona	2.19	2.24	2.44	2.36	2.20	2.17	2.00	1.78
Arkansas	2.28	2.19	2.01	1.91	2.33	2.25	2.36	2.41
California	2.15	2.14	2.06	2.25	2.18	1.84	2.03	2.12
Colorado	2.56	2.41	2.89	3.84	3.70	2.96	2.41	3.04
Connecticut	4.13	4.27	4.80	5.30	5.54	5.11	5.28	4.74
Delaware	2.89	2.81	2.85	2.48	1.73	3.38	3.20	3.11
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.05	2.75	2.75	2.47	2.50	2.75	2.53	2.92
Georgia	2.80	3.00	3.49	2.81	2.88	3.16	3.17	2.84
Hawaii	5.43	5.90	5.78	4.25	6.12	5.98	4.38	4.52
Idaho	2.14	1.83	2.79	2.72	2.89	2.43	2.28	2.21
Illinois	2.32	2.94	3.58	3.02	3.45	3.14	3.16	2.40
Indiana	2.67	2.96	3.57	3.18	3.26	3.63	3.11	2.81
Iowa	2.63	2.84	3.41	3.48	3.55	3.39	3.10	2.97
Kansas	2.38	2.82	2.80	2.52	2.19	3.09	2.25	2.18
Kentucky	2.45	2.61	2.51	2.80	2.92	3.18	3.32	3.14
Louisiana	2.44	2.23	2.05	1.90	2.00	2.04	2.10	2.12
Maine	3.03	2.72	3.54	5.13	5.99	5.81	2.72	3.41
Maryland	2.71	3.44	3.95	3.25	3.34	3.88	3.51	2.82
Massachusetts	3.14	4.13	4.78	4.57	4.64	4.58	4.71	3.22
Michigan	2.56	2.54	2.61	2.50	2.41	2.43	2.49	2.46
Minnesota	2.50	2.43	2.63	2.84	2.79	2.91	2.56	2.27
Mississippi	2.71	2.77	2.43	2.21	2.34	2.50	2.46	2.39
Missouri	2.55	3.21	3.85	3.97	4.06	3.99	3.08	2.83
Montana	2.65	2.68	3.01	2.06	2.92	3.38	2.99	2.94
Nebraska	2.43	2.80	2.97	3.11	3.42	2.69	2.68	2.18
Nevada	2.62	2.64	3.23	3.06	3.46	2.92	2.86	2.35
New Hampshire	3.44	2.89	3.33	3.70	4.56	4.40	2.93	2.81
New Jersey	3.45	3.74	3.40	3.72	4.02	3.60	3.21	3.25
New Mexico	1.58	1.42	1.40	1.11	1.50	1.33	1.34	1.53
New York	2.61	2.53	2.32	2.12	2.20	2.40	2.42	2.30
North Carolina	2.77	2.98	3.59	3.24	3.48	3.15	3.06	3.06
North Dakota	2.25	2.31	2.49	1.95	2.25	2.45	2.45	2.43
Ohio	3.34	4.01	3.85	4.87	4.63	4.19	4.12	3.95
Oklahoma	2.24	1.97	1.93	2.39	2.33	2.35	2.46	2.57
Oregon	2.36	2.41	2.96	2.82	3.16	2.69	2.77	2.38
Pennsylvania	2.63	3.22	3.34	3.97	4.04	3.73	3.21	2.94
Rhode Island	3.13	4.54	5.28	5.85	6.46	5.53	4.20	3.25
South Carolina	3.16	3.04	3.63	3.43	3.71	3.74	3.47	3.04
South Dakota	2.62	2.73	3.51	3.93	3.86	3.84	2.99	2.64
Tennessee	2.68	2.69	2.72	2.64	3.10	3.25	2.68	2.69
Texas	2.97	2.75	2.74	2.62	2.63	2.81	2.72	3.19
Utah	2.46	2.18	3.16	2.40	2.56	3.41	2.55	2.48
Vermont	2.19	2.89	3.16	3.04	3.20	3.37	3.56	2.68
Virginia	2.57	3.40	2.22	3.08	3.00	3.46	3.36	2.78
Washington	2.14	2.02	2.06	1.98	1.79	1.93	1.92	2.21
West Virginia	2.26	3.48	3.46	3.13	3.40	2.83	2.99	2.63
Wisconsin	2.48	2.99	3.37	3.71	3.81	4.15	2.81	2.64
Wyoming	NA	NA	NA	2.67	2.49	2.64	2.80	2.63
Total	2.67	2.83	2.89	2.87	2.89	2.89	2.80	2.72

^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, 1994-1996
(Dollars per Thousand Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996				
				November	October	September	August	July
Alabama	7.18	7.02	7.41	7.82	9.68	10.60	10.95	10.74
Alaska	3.44	3.65	3.62	3.37	3.46	3.77	3.82	3.87
Arizona	7.61	7.93	7.63	7.41	9.25	10.03	10.37	9.99
Arkansas	5.79	5.69	5.77	6.03	7.03	7.72	8.27	8.41
California	6.47	6.49	6.35	6.40	6.66	5.93	6.84	8.27
Colorado	NA	4.86	4.98	4.24	^R 4.91	^R 6.28	^R 6.64	NA
Connecticut	10.02	10.10	10.14	10.26	10.58	10.65	10.69	10.34
Delaware	7.01	6.68	7.45	7.98	9.02	10.51	10.12	10.20
District of Columbia	8.68	8.18	8.34	8.83	9.86	10.37	7.52	7.80
Florida	11.43	9.94	10.02	12.72	13.80	14.22	14.49	13.77
Georgia	6.65	6.45	7.39	5.81	8.49	10.28	10.46	10.93
Hawaii	19.94	17.44	16.78	20.81	21.05	20.57	20.60	20.91
Idaho	5.24	5.63	5.36	5.21	5.59	6.09	6.45	6.33
Illinois	5.30	4.76	5.62	5.05	5.93	8.13	9.25	8.42
Indiana	5.54	5.53	6.35	5.54	6.33	8.47	8.71	8.45
Iowa	5.52	5.14	5.52	5.37	6.74	9.26	12.82	8.98
Kansas	5.63	4.88	5.22	5.52	6.52	7.15	8.46	7.28
Kentucky	5.47	5.18	5.52	5.76	6.65	7.88	8.43	8.14
Louisiana	6.69	5.98	6.31	7.74	8.30	8.33	8.70	9.29
Maine	7.78	7.38	7.90	8.05	7.04	8.23	8.90	8.57
Maryland	NA	6.70	7.05	9.20	NA	NA	NA	10.63
Massachusetts	8.86	9.07	8.89	9.46	7.49	9.24	9.50	9.04
Michigan	4.87	4.76	5.03	4.94	5.50	6.45	7.21	7.07
Minnesota	5.32	4.80	5.24	5.46	5.47	6.65	7.66	7.49
Mississippi	NA	5.30	5.50	6.08	^R 6.14	NA	6.19	6.26
Missouri	5.96	5.18	5.56	5.94	7.58	9.53	10.20	9.53
Montana	4.93	5.20	5.28	4.92	5.56	6.22	6.67	6.34
Nebraska	5.28	4.85	5.09	5.63	6.31	7.33	7.56	7.24
Nevada	6.27	6.86	6.75	6.05	7.40	7.91	8.13	7.66
New Hampshire	7.20	7.16	8.01	8.60	6.99	8.19	8.51	8.38
New Jersey	7.40	7.32	7.15	7.37	8.05	8.80	8.95	9.01
New Mexico	4.44	5.33	5.85	3.66	5.58	8.21	7.08	4.44
New York	NA	8.54	8.76	9.59	NA	NA	NA	10.86
North Carolina	7.52	7.07	7.27	8.19	9.90	12.48	12.77	11.10
North Dakota	4.59	4.73	5.30	4.37	5.42	6.88	7.33	7.10
Ohio	5.82	5.56	5.88	6.53	7.26	8.38	8.94	8.07
Oklahoma	5.62	5.65	5.51	5.91	8.02	9.06	9.46	9.18
Oregon	6.32	6.81	7.08	6.24	6.95	7.78	8.20	7.74
Pennsylvania	7.35	7.48	7.46	7.73	8.59	10.72	10.31	10.24
Rhode Island	8.59	8.04	9.16	9.36	9.90	11.33	11.29	11.05
South Carolina	7.54	7.70	7.60	7.71	8.44	9.52	9.99	9.84
South Dakota	5.23	5.09	5.40	5.41	5.94	7.74	11.79	8.33
Tennessee	6.35	5.68	6.19	6.00	7.17	8.54	8.87	8.54
Texas	5.73	6.04	6.06	5.24	6.97	7.73	8.24	7.87
Utah	4.42	4.74	5.05	4.81	3.79	4.15	5.19	4.99
Vermont	6.42	6.96	6.97	6.42	7.21	8.41	8.92	8.73
Virginia	7.85	7.35	7.69	8.26	9.78	11.94	12.50	12.40
Washington	NA	5.94	5.71	5.59	^R 6.08	6.86	7.17	6.71
West Virginia	7.09	7.12	6.63	7.04	7.58	9.26	10.28	9.77
Wisconsin	NA	5.81	6.33	6.24	NA	5.76	NA	NA
Wyoming	NA	NA	5.16	4.62	NA	NA	NA	NA
Total	6.28	6.16	6.46	6.34	^R7.02	^R7.93	^R8.61	8.51

See footnotes at end of table.

Table 20. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1994-1996

(Dollars per Thousand Cubic Feet) — Continued

State	1996						1995	
	June	May	April	March	February	January	Total	December
Alabama	10.53	8.08	6.87	6.82	6.33	5.97	6.86	5.97
Alaska	3.71	3.53	3.40	3.34	3.30	3.32	3.63	3.51
Arizona	9.32	8.67	7.57	6.97	6.80	6.60	7.82	7.04
Arkansas	7.85	6.72	5.44	5.40	5.25	5.22	5.48	4.46
California	6.98	6.38	6.00	6.20	6.32	6.47	6.42	5.92
Colorado	5.10	4.42	4.20	4.10	4.02	4.02	4.80	4.29
Connecticut	9.94	9.62	10.06	9.80	9.85	10.00	10.00	9.46
Delaware	8.86	7.78	6.70	6.38	6.25	6.32	6.60	6.09
District of Columbia	9.02	9.83	10.18	8.96	8.42	7.37	8.03	7.26
Florida	13.63	12.55	10.95	10.55	9.93	9.61	9.85	9.19
Georgia	11.34	10.43	7.30	5.54	5.97	5.06	6.18	4.98
Hawaii	20.22	20.54	19.29	19.21	18.82	18.20	17.55	18.80
Idaho	5.70	5.38	5.28	5.06	4.98	4.97	5.59	5.29
Illinois	8.20	6.76	5.51	4.91	4.55	4.24	4.66	4.18
Indiana	7.83	6.52	5.73	5.07	4.85	4.68	5.37	4.55
Iowa	7.96	6.26	5.13	4.82	4.86	4.51	5.09	4.89
Kansas	7.70	6.87	5.77	5.31	5.17	4.99	4.91	5.04
Kentucky	7.53	7.24	5.13	5.11	4.71	4.82	5.05	4.52
Louisiana	8.52	8.18	7.00	5.64	5.44	6.11	6.01	6.14
Maine	8.06	8.27	8.27	7.88	7.78	7.02	7.32	7.01
Maryland	9.69	8.38	7.19	6.99	6.83	6.47	6.62	6.19
Massachusetts	7.84	6.95	9.42	9.02	9.01	9.00	9.04	8.86
Michigan	6.45	5.12	4.72	4.37	4.53	4.45	4.72	4.49
Minnesota	6.69	5.76	5.37	4.96	4.87	4.94	4.80	4.80
Mississippi	6.15	5.96	5.46	5.36	4.75	5.26	5.28	5.18
Missouri	8.45	6.87	5.71	5.47	5.31	5.11	5.16	5.10
Montana	5.32	4.94	4.71	4.65	4.59	4.66	5.15	4.80
Nebraska	6.36	5.65	5.12	4.94	4.73	4.78	4.83	4.74
Nevada	7.04	6.68	6.22	5.86	5.76	5.64	6.76	5.97
New Hampshire	7.23	6.29	5.89	7.31	7.19	7.03	7.16	7.18
New Jersey	8.81	7.16	7.58	7.12	7.06	7.01	7.27	7.03
New Mexico	4.21	11.39	4.60	4.54	4.16	3.42	5.04	3.55
New York	9.83	8.64	8.22	7.93	8.01	7.73	8.42	7.77
North Carolina	11.45	9.04	7.29	7.52	6.81	6.13	6.93	6.21
North Dakota	5.78	4.46	4.43	4.31	4.20	4.28	4.66	4.29
Ohio	7.04	6.31	5.37	5.33	5.38	4.92	5.46	4.97
Oklahoma	8.43	6.87	5.21	5.09	4.76	4.74	5.56	5.04
Oregon	6.93	6.50	6.34	6.17	5.67	6.05	6.74	6.32
Pennsylvania	9.08	8.21	7.38	6.73	6.68	6.42	7.16	5.60
Rhode Island	9.82	8.39	7.92	8.06	7.88	7.97	8.02	7.89
South Carolina	9.09	8.12	6.97	7.68	7.40	7.02	7.54	6.76
South Dakota	6.65	5.65	5.21	4.36	4.67	4.43	5.05	4.86
Tennessee	8.40	7.34	6.70	6.51	6.04	5.53	5.77	6.26
Texas	7.21	6.81	5.98	5.32	5.06	4.84	5.92	5.23
Utah	5.40	4.59	3.90	4.94	3.97	4.51	4.74	4.72
Vermont	7.49	6.59	6.24	6.09	6.02	5.98	6.82	6.09
Virginia	10.73	8.78	7.53	6.88	7.23	6.83	7.18	6.44
Washington	6.06	5.71	5.59	5.44	5.38	5.41	5.89	5.57
West Virginia	9.21	7.55	6.94	6.74	6.69	6.67	7.05	6.67
Wisconsin	NA	5.56	5.90	5.87	5.75	5.90	5.82	5.88
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA
Total	7.75	6.80	6.22	5.89	5.78	5.60	6.06	5.54

See footnotes at end of table.

Table 20. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1994-1996

(Dollars per Thousand Cubic Feet) — Continued

State	1995							
	November	October	September	August	July	June	May	April
Alabama	6.61	8.86	9.41	9.34	9.06	8.81	8.16	7.67
Alaska	3.60	3.76	3.96	4.14	4.02	3.87	3.72	3.57
Arizona	8.18	9.33	10.04	10.51	9.72	9.12	8.30	7.81
Arkansas	5.65	6.99	7.51	8.01	7.66	7.20	6.46	5.70
California	5.78	6.66	6.90	6.76	6.88	7.11	6.58	6.22
Colorado	4.52	5.24	6.62	6.71	5.96	5.12	4.86	4.78
Connecticut	9.96	11.06	11.11	11.34	11.12	10.65	10.28	9.81
Delaware	6.83	8.27	8.95	8.86	8.84	8.09	7.04	6.53
District of Columbia	7.74	9.62	10.18	7.48	7.22	7.05	9.58	9.19
Florida	10.60	12.16	11.61	12.22	11.89	11.78	11.30	10.29
Georgia	4.79	6.72	7.95	8.70	8.55	8.34	7.54	7.39
Hawaii	17.92	17.89	17.84	17.91	18.04	17.44	17.39	17.30
Idaho	5.46	5.77	6.42	6.69	6.46	6.20	5.25	5.76
Illinois	4.10	4.82	6.07	6.97	6.05	6.57	5.72	4.60
Indiana	4.67	5.67	7.09	7.89	7.63	7.37	6.47	5.63
Iowa	4.56	5.53	7.46	8.85	8.71	9.00	6.04	5.01
Kansas	5.22	5.73	6.46	6.96	6.24	5.94	5.17	4.74
Kentucky	4.27	5.94	7.78	8.30	7.95	8.26	6.06	5.85
Louisiana	6.33	7.68	7.70	7.61	7.88	7.05	6.99	5.95
Maine	7.21	7.17	7.78	8.37	8.23	7.75	6.60	7.70
Maryland	6.50	7.72	8.64	9.23	9.17	8.73	7.23	6.48
Massachusetts	9.53	8.24	9.33	9.85	9.33	8.31	7.20	9.53
Michigan	4.64	5.23	6.16	7.08	6.69	6.04	5.06	4.53
Minnesota	4.82	5.28	6.07	6.57	4.54	6.00	5.11	4.46
Mississippi	5.47	6.43	6.74	6.15	6.31	6.36	6.27	5.65
Missouri	5.45	6.71	8.20	9.03	8.20	7.33	5.29	4.99
Montana	4.93	5.48	6.13	6.57	6.04	5.59	5.28	5.14
Nebraska	4.96	5.84	6.32	6.59	6.35	5.94	5.09	4.71
Nevada	6.92	8.05	8.53	8.57	8.06	7.46	6.89	6.60
New Hampshire	7.77	7.24	7.96	8.73	8.16	7.27	6.12	5.65
New Jersey	7.20	8.29	9.84	9.55	9.28	8.92	7.66	7.01
New Mexico	3.86	5.51	7.26	7.43	8.63	5.76	6.13	5.45
New York	8.70	11.09	11.81	12.00	11.64	10.20	8.70	7.88
North Carolina	6.50	8.94	10.65	11.61	10.54	9.89	8.00	7.12
North Dakota	4.50	6.32	6.69	7.55	6.93	5.86	5.02	4.42
Ohio	5.01	6.10	7.15	7.64	7.41	6.98	5.70	5.39
Oklahoma	5.84	7.32	8.46	8.80	8.20	7.44	6.12	5.72
Oregon	6.75	7.57	8.37	8.57	8.11	7.66	6.40	6.75
Pennsylvania	6.42	8.00	10.11	10.63	10.21	9.43	8.15	7.24
Rhode Island	8.70	9.41	10.45	10.65	11.15	8.33	8.27	7.87
South Carolina	6.84	8.27	8.96	9.48	8.99	8.77	7.87	7.97
South Dakota	5.07	5.05	7.09	8.57	7.62	6.96	5.49	4.75
Tennessee	4.31	6.92	8.26	8.10	7.73	7.44	6.45	6.16
Texas	5.77	7.08	7.71	8.04	7.52	7.36	6.78	6.23
Utah	4.99	4.09	4.68	5.28	5.36	4.96	4.52	4.25
Vermont	6.88	7.92	9.03	9.81	9.35	8.12	7.25	6.67
Virginia	5.55	9.33	10.86	10.94	10.81	10.59	8.47	7.35
Washington	5.68	6.26	7.04	7.26	7.08	6.56	6.19	5.89
West Virginia	6.91	7.77	9.11	10.02	9.95	9.31	7.55	7.02
Wisconsin	5.74	5.14	5.83	6.36	6.39	5.99	5.73	5.81
Wyoming	NA	NA	NA	6.16	5.73	5.06	4.82	4.78
Total	5.61	6.62	7.73	8.13	7.82	7.49	6.54	6.06

^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,
1994-1996**
(Dollars per Thousand Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996				
				November	October	September	August	July
Alabama	6.14	5.85	6.38	6.30	6.59	6.80	6.87	6.81
Alaska	2.28	2.25	2.46	2.31	2.20	2.00	1.87	2.13
Arizona	4.99	5.29	5.27	4.98	5.12	5.15	5.11	5.06
Arkansas	4.55	4.13	4.64	5.01	4.71	4.86	4.85	4.97
California	5.97	6.13	7.17	5.55	5.75	5.52	5.31	5.56
Colorado	NA	4.29	4.39	3.32	3.66	^R 3.82	^R 3.92	NA
Connecticut	7.30	7.42	7.39	7.80	6.17	5.90	5.67	5.86
Delaware	5.72	5.33	6.20	5.95	6.34	6.40	6.83	6.88
District of Columbia	7.00	6.05	6.18	7.72	7.63	7.07	5.65	5.60
Florida	6.47	5.30	5.56	6.44	6.42	6.39	6.40	6.46
Georgia	5.76	5.29	6.19	5.66	6.01	5.80	5.81	6.50
Hawaii	14.45	12.96	12.40	15.43	15.48	14.74	15.06	15.46
Idaho	4.59	4.90	5.07	4.62	4.85	4.90	4.91	4.92
Illinois	4.86	4.50	5.19	4.82	5.22	6.24	7.64	7.07
Indiana	4.59	4.47	5.42	4.63	4.92	5.87	5.84	5.84
Iowa	4.52	4.16	4.56	5.13	5.36	5.65	8.76	6.02
Kansas	4.61	3.89	4.17	4.59	4.51	5.06	6.28	4.00
Kentucky	4.94	4.64	4.98	5.45	5.74	5.89	6.28	5.76
Louisiana	6.00	5.06	5.44	6.57	6.14	5.88	6.10	6.62
Maine	7.04	6.52	7.01	7.58	6.17	6.55	6.57	7.96
Maryland	NA	5.03	5.53	NA	NA	NA	NA	6.16
Massachusetts	6.63	6.49	6.77	7.25	4.75	4.84	4.83	5.02
Michigan	4.65	4.47	4.71	4.79	5.18	5.45	6.02	5.85
Minnesota	4.44	3.93	4.39	4.58	3.98	4.26	4.95	4.88
Mississippi	NA	4.23	4.58	4.76	NA	4.16	4.05	4.23
Missouri	5.26	4.32	4.93	5.30	5.34	5.92	6.35	6.00
Montana	4.75	4.97	4.94	4.76	5.15	5.36	5.41	5.26
Nebraska	NA	NA	4.26	NA	NA	NA	NA	NA
Nevada	4.91	5.46	5.37	4.89	5.13	5.14	5.10	4.92
New Hampshire	6.62	6.39	7.19	7.78	5.86	6.14	6.23	6.29
New Jersey	7.01	5.70	6.01	6.47	5.11	4.90	5.12	5.16
New Mexico	3.17	3.86	4.50	2.99	3.23	3.96	3.24	2.67
New York	NA	6.09	6.55	NA	NA	NA	NA	NA
North Carolina	6.07	5.25	5.57	6.65	6.33	6.37	6.35	7.11
North Dakota	3.94	3.93	4.54	3.58	3.80	4.22	4.93	6.39
Ohio	5.31	4.96	5.37	6.14	6.42	6.66	6.87	6.28
Oklahoma	4.60	4.48	4.73	4.76	5.03	5.06	5.07	4.65
Oregon	4.89	5.27	5.55	4.84	5.11	5.13	5.11	5.11
Pennsylvania	6.33	6.41	6.51	6.46	6.78	7.39	7.26	7.24
Rhode Island	7.23	6.33	7.64	7.60	8.04	7.76	7.76	7.92
South Carolina	6.07	6.14	6.06	6.37	5.66	5.76	5.74	5.69
South Dakota	4.18	4.00	4.46	4.20	4.07	5.22	8.54	5.68
Tennessee	5.75	5.21	5.59	5.34	5.55	6.10	6.45	5.96
Texas	NA	4.07	4.32	4.65	NA	4.44	NA	3.92
Utah	3.32	3.60	3.89	3.80	2.96	3.07	3.32	3.25
Vermont	5.24	5.48	5.62	5.10	5.10	5.18	5.43	5.44
Virginia	5.73	5.11	5.72	5.86	6.00	6.38	6.56	6.64
Washington	4.80	5.02	4.87	4.77	4.86	5.01	5.08	5.14
West Virginia	6.05	6.09	5.92	6.24	5.81	6.25	4.84	4.66
Wisconsin	NA	4.45	4.94	4.97	3.72	4.01	4.38	^R 4.71
Wyoming	NA	NA	4.47	NA	NA	NA	NA	NA
Total	5.27	5.06	5.46	5.33	5.23	^R5.39	^R5.49	^R5.39

See footnotes at end of table.

**Table 21. Average Price of Natural Gas Sold to Commercial Consumers, by State,
1994-1996**
(Dollars per Thousand Cubic Feet) — Continued

State	1996						1995	
	June	May	April	March	February	January	Total	December
Alabama	6.98	6.40	6.07	6.20	5.77	5.62	5.80	5.48
Alaska	2.19	2.24	2.37	2.34	2.43	2.33	2.27	2.34
Arizona	4.96	4.92	4.97	4.94	4.95	4.90	5.25	4.91
Arkansas	5.11	4.84	4.47	4.34	4.37	4.31	4.09	3.89
California	5.48	5.61	6.05	6.68	6.26	6.82	6.21	7.01
Colorado	3.69	3.54	3.59	3.73	3.59	3.61	4.23	3.78
Connecticut	6.45	7.25	7.72	7.69	8.29	7.37	7.57	8.53
Delaware	6.77	6.02	5.48	5.60	5.30	5.29	5.28	4.97
District of Columbia	6.08	6.04	6.63	8.41	7.83	6.57	6.04	6.01
Florida	6.54	6.63	6.62	6.68	6.39	6.20	5.33	5.66
Georgia	6.99	7.00	5.90	5.41	5.62	5.16	5.20	4.72
Hawaii	14.76	14.53	13.69	13.95	13.50	12.92	13.00	13.46
Idaho	4.77	4.77	4.66	4.42	4.41	4.45	4.87	4.69
Illinois	6.66	6.18	4.99	4.74	4.30	4.06	4.42	4.00
Indiana	5.69	5.27	4.94	4.36	4.18	4.04	4.39	3.93
Iowa	5.15	4.48	3.87	4.13	4.07	4.01	4.14	4.05
Kansas	4.55	4.74	4.46	4.65	4.60	4.44	3.93	4.12
Kentucky	5.57	5.72	4.87	4.54	4.49	4.45	4.60	4.38
Louisiana	6.09	6.53	6.39	5.45	5.33	6.07	5.14	5.85
Maine	6.44	7.22	7.22	7.32	7.32	6.51	6.51	6.48
Maryland	6.16	5.95	5.54	5.97	6.03	5.57	5.06	5.16
Massachusetts	4.74	4.89	7.35	7.39	7.50	7.51	6.59	7.25
Michigan	5.52	4.72	4.51	4.46	4.46	4.41	4.46	4.39
Minnesota	4.67	4.52	4.43	4.37	4.37	4.44	3.98	4.24
Mississippi	4.24	12.58	4.74	4.73	4.43	4.87	4.25	4.68
Missouri	5.61	5.39	5.13	5.26	5.17	4.96	4.39	4.76
Montana	4.83	4.74	4.60	4.61	4.58	4.63	4.92	4.65
Nebraska	NA	NA	NA	NA	NA	NA	NA	NA
Nevada	4.92	4.93	4.90	4.86	4.84	4.80	5.39	4.88
New Hampshire	5.91	5.76	5.79	7.00	6.94	6.67	6.44	6.70
New Jersey	5.24	5.59	6.19	6.75	6.67	10.42	5.76	6.12
New Mexico	2.60	3.93	3.19	3.38	3.40	2.99	3.74	2.94
New York	NA	NA	NA	NA	NA	NA	6.09	6.16
North Carolina	5.65	6.22	5.83	6.34	6.10	5.39	5.24	5.19
North Dakota	4.49	3.88	3.89	3.78	3.87	3.84	3.90	3.77
Ohio	5.94	5.60	5.00	5.02	5.07	4.68	4.92	4.69
Oklahoma	4.95	4.93	4.24	4.60	4.46	4.48	4.47	4.47
Oregon	4.85	4.83	4.94	4.83	4.82	4.83	5.23	4.98
Pennsylvania	6.91	6.62	6.62	6.07	6.05	5.89	6.28	5.60
Rhode Island	7.53	7.12	6.07	7.29	7.26	7.04	6.41	6.94
South Carolina	5.27	5.38	6.05	6.49	6.66	6.22	6.09	5.78
South Dakota	5.55	4.72	4.36	3.47	4.04	3.54	3.99	3.91
Tennessee	6.13	6.03	6.02	5.99	5.81	5.26	5.18	5.02
Texas	3.90	3.90	3.98	4.32	4.32	4.45	4.09	4.31
Utah	3.34	3.01	2.86	3.69	3.06	3.59	3.65	3.92
Vermont	5.55	5.37	5.23	5.18	5.23	5.27	5.43	5.13
Virginia	6.17	5.10	5.58	5.37	5.86	5.46	5.08	4.92
Washington	4.75	4.76	4.78	4.74	4.74	4.73	5.00	4.89
West Virginia	8.05	6.81	6.32	6.09	6.02	6.00	6.08	6.09
Wisconsin	NA	4.12	4.79	4.73	4.65	4.78	4.50	4.72
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA
Total	5.31	5.30	5.24	5.26	5.19	5.25	5.05	5.00

See footnotes at end of table.

Table 21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1994-1996
(Dollars per Thousand Cubic Feet) — Continued

State	1995							
	November	October	September	August	July	June	May	April
Alabama	5.53	5.90	5.93	5.96	5.90	5.94	5.98	6.16
Alaska	2.23	2.08	2.13	2.04	2.09	2.18	2.23	2.32
Arizona	5.10	5.09	5.04	5.23	5.26	5.28	5.37	5.41
Arkansas	4.27	4.32	4.24	4.18	4.17	4.17	4.29	3.94
California	4.67	6.04	6.00	6.20	5.68	5.98	5.56	5.98
Colorado	3.87	4.27	4.76	4.70	4.56	4.42	4.34	4.29
Connecticut	7.48	6.37	6.50	6.20	7.07	7.05	7.10	7.83
Delaware	5.64	5.38	5.64	5.86	5.32	5.64	5.39	5.31
District of Columbia	6.40	5.96	6.03	5.47	5.35	5.53	6.10	6.38
Florida	5.43	5.35	5.30	5.34	5.32	5.35	5.30	5.29
Georgia	4.21	4.96	4.97	4.98	5.07	5.17	5.00	5.87
Hawaii	13.19	13.17	13.22	12.99	13.37	13.07	12.90	12.96
Idaho	5.22	4.96	5.01	5.06	5.15	5.15	4.52	5.14
Illinois	4.11	4.23	5.23	5.01	5.35	5.16	5.16	4.42
Indiana	3.75	4.08	4.60	4.90	4.98	5.07	4.84	4.50
Iowa	4.10	4.04	4.84	5.56	5.41	5.16	4.67	4.01
Kansas	4.07	3.56	3.61	3.70	3.81	3.98	4.07	3.91
Kentucky	4.13	4.55	4.69	5.25	4.70	5.26	4.78	4.77
Louisiana	5.50	5.45	5.21	4.82	5.16	4.58	5.32	4.94
Maine	6.58	5.92	6.05	6.17	6.11	6.00	5.91	6.90
Maryland	5.00	5.18	4.85	5.23	5.83	5.30	4.89	4.94
Massachusetts	6.57	4.73	5.08	5.09	5.19	4.85	4.83	7.13
Michigan	4.49	4.71	5.26	5.59	5.62	5.26	4.62	4.30
Minnesota	3.95	3.94	3.91	3.98	2.68	4.18	4.05	3.70
Mississippi	4.50	2.83	2.61	3.80	4.27	4.41	4.54	4.54
Missouri	4.69	4.52	4.75	4.87	4.88	4.76	4.02	4.10
Montana	4.78	5.09	5.45	5.50	5.29	5.15	4.94	4.91
Nebraska	NA	NA	NA	3.74	3.75	3.89	5.16	4.02
Nevada	5.31	5.59	5.63	5.70	5.65	5.56	5.45	5.42
New Hampshire	6.48	5.66	5.95	6.21	6.03	6.04	5.38	5.47
New Jersey	6.81	5.57	4.86	5.22	5.33	5.18	5.18	5.26
New Mexico	3.00	3.39	3.54	3.46	4.11	3.61	4.13	3.96
New York	5.51	5.46	5.73	5.74	5.86	6.43	6.45	6.34
North Carolina	5.18	5.11	5.11	5.15	5.19	5.10	5.06	5.15
North Dakota	3.74	4.42	4.49	4.72	4.66	4.49	4.11	3.80
Ohio	4.66	5.05	5.33	5.27	5.36	5.34	4.86	4.91
Oklahoma	4.33	4.25	4.31	4.44	4.52	4.45	4.51	4.55
Oregon	5.34	5.42	5.55	5.55	5.46	5.04	5.09	5.24
Pennsylvania	5.62	6.22	6.98	7.07	7.03	7.05	6.71	6.49
Rhode Island	5.94	6.35	5.99	6.32	6.02	6.51	6.07	7.23
South Carolina	5.77	5.67	5.60	5.64	5.73	5.97	5.79	6.41
South Dakota	3.85	3.68	5.01	6.24	5.84	5.17	4.27	3.69
Tennessee	4.88	5.16	5.30	5.21	5.50	5.19	4.96	5.39
Texas	4.17	3.99	3.94	3.51	3.62	3.88	3.99	3.95
Utah	3.91	3.24	3.40	3.52	3.49	3.42	3.26	3.16
Vermont	5.23	5.39	5.45	5.70	5.23	5.81	5.68	5.51
Virginia	4.52	5.24	5.18	5.08	5.43	5.40	5.08	4.94
Washington	4.89	4.95	4.91	4.95	5.05	4.85	5.04	5.06
West Virginia	6.04	5.98	6.07	6.08	6.39	6.51	6.54	5.93
Wisconsin	4.43	3.75	3.56	4.13	4.28	4.24	4.27	4.53
Wyoming	NA	NA	NA	4.34	4.28	4.22	4.27	4.27
Total	4.77	4.82	4.98	4.99	5.03	5.16	5.04	5.08

^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,
1994-1996**
(Dollars per Thousand Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996				
				November	October	September	August	July
Alabama	3.64	2.94	3.27	3.76	3.30	3.12	3.62	3.57
Alaska	1.52	1.45	1.41	1.50	1.51	1.48	1.54	1.55
Arizona	3.86	3.73	3.47	3.86	3.84	3.82	3.74	3.64
Arkansas	2.97	2.76	3.26	3.39	2.75	2.74	2.77	3.03
California	3.64	3.63	3.14	3.92	3.29	3.53	3.48	3.54
Colorado	NA	NA	1.24	2.90	NA	NA	NA	NA
Connecticut	4.70	4.27	4.46	4.95	4.00	3.98	3.83	4.02
Delaware	4.33	2.89	3.44	4.77	4.68	4.64	4.77	4.73
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.27	3.26	3.54	4.39	4.05	3.96	4.19	4.22
Georgia	4.54	3.53	3.91	3.93	4.33	2.86	4.24	6.99
Hawaii	—	—	—	—	—	—	—	—
Idaho	3.09	3.65	3.84	2.73	3.00	2.99	2.98	3.18
Illinois	4.13	3.61	4.42	4.12	4.20	5.07	5.01	4.84
Indiana	3.39	3.39	4.65	3.48	3.51	3.94	3.94	3.68
Iowa	3.57	3.29	3.92	3.79	3.43	3.91	3.54	4.41
Kansas	2.21	2.19	2.78	3.28	2.28	2.86	2.51	2.56
Kentucky	3.79	3.23	3.65	3.89	3.68	3.61	3.85	3.71
Louisiana	NA	1.79	2.19	NA	NA	2.20	2.35	2.76
Maine	5.19	4.37	4.75	6.67	4.11	4.03	4.03	4.22
Maryland	NA	3.32	4.16	NA	NA	NA	NA	6.45
Massachusetts	5.31	4.37	5.16	5.62	4.22	3.81	3.77	4.05
Michigan	4.08	3.62	3.92	4.18	4.34	4.30	4.47	4.57
Minnesota	2.81	2.43	2.89	3.18	2.43	2.35	2.96	2.72
Mississippi	NA	2.64	3.00	3.52	NA	2.98	3.15	3.37
Missouri	4.28	3.39	4.24	4.03	3.76	4.14	4.29	4.25
Montana	4.88	4.87	4.91	4.95	5.02	5.04	5.16	5.09
Nebraska	3.16	2.77	3.14	3.63	2.76	2.87	3.41	3.21
Nevada	4.93	5.38	5.67	4.68	5.01	5.10	5.15	4.80
New Hampshire	4.72	3.70	4.41	5.20	7.74	3.53	3.39	3.51
New Jersey	NA	3.05	3.62	3.38	NA	3.39	3.09	3.49
New Mexico	2.75	2.95	3.31	2.63	2.75	3.36	2.55	1.66
New York	4.91	4.54	5.16	4.69	4.36	4.31	4.61	4.64
North Carolina	4.23	3.46	3.68	4.63	4.04	4.02	3.81	3.86
North Dakota	2.86	2.86	3.35	2.40	2.32	2.75	3.02	3.38
Ohio	4.87	3.93	4.44	5.58	5.43	5.06	5.33	5.56
Oklahoma	3.04	2.24	2.12	3.13	3.00	3.32	3.10	3.21
Oregon	3.23	3.43	3.60	3.38	3.10	3.18	3.23	3.32
Pennsylvania	4.21	3.95	4.03	4.32	4.09	4.08	3.98	3.93
Rhode Island	4.23	4.05	4.43	4.58	3.67	3.69	3.79	4.26
South Carolina	3.66	3.06	3.30	3.98	3.25	3.26	3.44	3.53
South Dakota	2.48	3.46	3.75	3.52	3.46	4.05	3.85	3.52
Tennessee	3.75	3.33	3.88	3.63	3.30	3.77	3.90	3.58
Texas	NA	1.66	2.01	3.06	2.07	2.09	NA	2.77
Utah	2.01	2.34	2.84	2.14	1.90	1.93	1.96	1.90
Vermont	3.46	3.44	3.47	3.19	3.43	3.16	3.30	3.36
Virginia	4.25	3.33	3.15	3.77	4.05	4.33	4.42	3.96
Washington	2.58	2.72	2.94	2.81	2.55	1.95	3.88	2.38
West Virginia	2.85	2.58	2.95	3.17	2.80	2.92	2.50	2.70
Wisconsin	3.61	2.89	3.36	4.37	2.94	3.02	3.36	3.52
Wyoming	NA	NA	3.49	NA	NA	NA	NA	NA
Total	3.26	2.59	2.99	3.58	2.86	2.84	3.07	3.19

See footnotes at end of table.

**Table 22. Average Price of Natural Gas Sold to Industrial Consumers, by State,
1994-1996**
(Dollars per Thousand Cubic Feet) — Continued

State	1996						1995	
	June	May	April	March	February	January	Total	December
Alabama	3.44	3.38	3.68	3.84	4.10	3.90	2.96	3.16
Alaska	1.54	1.52	1.51	1.52	1.50	1.50	1.45	1.42
Arizona	3.90	3.90	3.90	3.92	3.94	3.91	3.81	4.68
Arkansas	2.92	2.93	2.95	3.04	2.95	3.09	2.78	2.99
California	3.29	3.28	3.61	3.69	3.89	4.35	3.70	3.89
Colorado	1.71	1.75	1.70	1.91	1.72	1.80	NA	NA
Connecticut	4.07	4.21	4.69	5.21	5.68	6.52	4.39	5.41
Delaware	4.35	4.85	4.04	3.93	4.15	3.79	2.94	3.78
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.24	4.17	4.62	4.26	4.57	4.16	3.28	2.94
Georgia	5.67	4.68	4.28	4.72	4.79	4.84	3.55	3.73
Hawaii	—	—	—	—	—	—	—	—
Idaho *	3.04	3.09	3.00	3.18	3.17	3.47	3.67	3.93
Illinois	5.37	4.58	3.27	4.66	3.84	3.59	3.57	3.32
Indiana	3.85	2.49	3.66	3.37	3.53	3.04	3.41	3.54
Iowa	4.26	3.55	3.08	3.35	3.39	3.20	3.23	1.77
Kansas	2.65	2.52	2.27	2.82	2.49	0.78	2.23	2.55
Kentucky	3.59	3.73	3.75	3.82	3.85	3.93	3.26	3.51
Louisiana	2.69	2.54	2.82	3.01	2.75	2.77	1.82	2.27
Maine	4.02	5.11	6.27	6.38	6.50	5.60	4.46	5.43
Maryland	6.17	6.15	5.47	5.19	5.89	4.17	3.21	1.24
Massachusetts	3.80	4.15	5.91	6.52	7.00	6.89	4.43	5.05
Michigan	4.12	3.93	3.92	4.06	4.05	4.04	3.62	3.58
Minnesota	2.55	2.77	2.72	2.90	3.11	2.98	2.45	2.55
Mississippi	3.17	3.09	3.41	3.51	3.20	3.75	2.71	3.46
Missouri	3.89	3.98	4.22	4.92	4.58	4.31	3.48	4.19
Montana	5.01	4.65	4.84	4.74	4.72	4.94	4.87	4.86
Nebraska	3.09	2.93	3.14	3.11	3.20	3.20	2.79	2.91
Nevada	4.86	4.90	4.91	4.96	4.98	4.93	5.34	4.92
New Hampshire	3.43	3.62	4.27	5.43	6.08	5.23	3.80	4.97
New Jersey	3.42	3.70	4.13	4.19	4.83	4.11	3.11	3.53
New Mexico	2.06	7.53	3.30	5.53	3.74	2.30	2.83	1.71
New York	4.54	4.81	5.29	5.14	5.54	5.07	4.69	4.94
North Carolina	3.63	3.83	3.89	4.60	5.02	4.40	3.56	4.03
North Dakota	3.05	3.22	3.34	3.14	3.34	3.44	2.90	3.18
Ohio	4.55	4.73	4.78	4.70	4.38	4.51	3.93	3.91
Oklahoma	3.37	2.90	3.21	2.90	2.87	2.82	2.27	2.67
Oregon	3.25	3.21	3.14	3.27	3.25	3.19	3.41	3.25
Pennsylvania	4.08	4.05	4.24	4.24	4.37	4.41	3.90	3.56
Rhode Island	3.86	4.08	4.42	5.58	5.40	4.68	4.09	4.83
South Carolina	3.35	3.39	3.74	3.97	4.20	4.35	3.11	3.64
South Dakota	3.98	3.39	3.33	1.48	3.28	3.08	3.44	3.20
Tennessee	3.69	3.76	3.98	3.93	4.29	3.48	3.34	3.38
Texas	2.63	2.40	2.54	2.36	2.60	2.45	1.89	2.17
Utah	1.95	1.98	2.00	2.27	1.75	2.26	2.34	2.07
Vermont	3.54	3.73	3.74	3.53	3.62	3.45	3.39	2.98
Virginia	4.13	3.81	5.13	4.31	4.61	4.52	3.35	3.50
Washington	2.82	2.50	2.49	2.56	2.66	2.41	2.74	2.98
West Virginia	2.82	2.75	2.97	2.99	2.93	2.70	2.60	2.77
Wisconsin	3.34	3.29	3.74	3.69	3.64	3.83	2.96	3.57
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA
Total	3.12	3.07	3.35	3.50	3.54	3.38	2.71	3.07

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1994-1996

(Dollars per Thousand Cubic Feet) — Continued

State	1995							
	November	October	September	August	July	June	May	April
Alabama	3.05	2.83	2.99	2.72	2.55	2.91	3.02	2.89
Alaska	1.43	1.44	1.43	1.45	1.48	1.47	1.45	1.46
Arizona	3.99	3.95	3.97	4.17	3.98	3.36	3.36	3.15
Arkansas	2.84	2.52	2.38	2.47	2.78	2.75	2.76	2.79
California	2.71	3.94	3.59	3.63	2.99	3.39	3.40	3.50
Colorado	NA	NA	NA	NA	NA	NA	NA	NA
Connecticut	4.41	3.79	3.62	3.72	3.66	3.76	3.94	4.47
Delaware	2.88	2.85	2.74	2.60	2.76	2.81	2.70	2.83
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.44	3.37	3.34	3.16	3.32	3.33	3.29	3.22
Georgia	3.27	2.60	3.71	4.94	3.97	3.54	3.49	3.35
Hawaii	—	—	—	—	—	—	—	—
Idaho	3.82	3.34	2.79	3.51	3.68	3.79	3.65	3.79
Illinois	3.22	3.39	3.60	3.80	3.99	2.68	2.99	3.49
Indiana	3.28	3.32	3.54	3.43	3.81	3.99	4.22	3.97
Iowa	3.12	3.25	3.57	3.84	3.90	3.18	3.31	2.95
Kansas	2.39	2.21	2.21	2.05	2.04	2.20	2.22	2.10
Kentucky	3.18	3.11	3.03	2.85	3.16	3.14	3.24	3.12
Louisiana	1.90	1.82	1.69	1.66	1.85	1.88	1.82	1.71
Maine	4.54	3.74	3.70	3.79	3.80	3.77	3.62	4.49
Maryland	4.83	2.61	2.97	2.97	3.31	3.00	3.59	3.57
Massachusetts	4.70	3.80	3.52	3.12	3.23	2.03	4.12	5.45
Michigan	3.63	3.71	3.75	3.99	4.02	3.84	3.69	3.49
Minnesota	2.48	2.41	2.13	2.21	2.11	2.07	2.23	2.32
Mississippi	3.01	1.50	1.47	2.64	2.78	2.99	2.80	2.88
Missouri	3.58	3.02	3.07	3.14	3.29	3.31	3.10	3.30
Montana	4.88	4.98	4.99	5.06	5.02	4.98	4.85	4.82
Nebraska	2.38	2.54	2.79	2.96	2.68	2.63	2.72	2.72
Nevada	5.15	5.23	5.29	5.30	5.33	5.41	5.51	5.42
New Hampshire	3.79	2.99	2.94	2.82	2.92	3.22	3.11	3.52
New Jersey	3.22	2.78	2.60	2.45	2.72	2.66	2.79	3.03
New Mexico	2.21	2.05	2.34	2.46	3.47	4.40	7.82	3.70
New York	4.62	4.08	3.95	3.80	3.97	4.26	4.37	4.77
North Carolina	3.66	3.11	3.29	3.16	3.19	3.13	3.12	3.16
North Dakota	2.94	2.79	2.69	2.68	2.79	2.76	2.80	2.78
Ohio	3.99	3.36	3.80	3.79	3.61	3.56	3.44	3.95
Oklahoma	2.50	1.91	1.81	2.04	1.81	1.98	2.13	2.56
Oregon	3.46	3.31	3.43	3.39	3.50	3.44	3.46	3.38
Pennsylvania	3.44	3.56	9.31	3.29	3.48	3.54	3.56	3.31
Rhode Island	3.33	3.85	3.54	3.39	3.63	3.49	3.65	4.68
South Carolina	3.26	2.96	2.87	2.87	2.98	2.91	2.93	2.92
South Dakota	2.76	4.05	4.26	5.45	5.07	3.84	3.28	2.92
Tennessee	3.16	3.08	3.01	3.13	3.03	3.08	2.97	3.46
Texas	1.81	1.72	1.67	1.43	1.60	1.75	1.74	1.65
Utah	2.20	2.04	2.08	2.03	2.06	2.36	2.39	2.49
Vermont	3.27	3.34	3.72	3.42	3.68	3.39	3.33	3.40
Virginia	2.83	4.00	2.43	1.89	2.65	3.69	3.56	3.61
Washington	2.84	2.57	2.79	2.33	2.80	2.72	2.89	2.66
West Virginia	2.92	2.60	2.43	2.32	2.44	2.56	2.48	2.54
Wisconsin	3.16	2.40	2.24	2.34	2.20	2.65	3.72	2.80
Wyoming	NA	NA	NA	2.96	2.95	3.14	3.16	3.40
Total	2.68	2.44	2.42	2.26	2.34	2.44	2.54	2.57

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, 1995-1996**
(Dollars per Thousand Cubic Feet)

State	YTD 1996	YTD 1995	YTD 1994	1996				
				October	September	August	July	June
Alabama	2.72	1.88	2.38	2.27	2.14	2.66	3.04	2.71
Alaska	1.42	1.30	0.73	1.73	1.71	1.66	1.58	1.47
Arizona	2.91	1.75	2.23	2.53	2.98	2.61	3.09	3.33
Arkansas	2.45	1.71	1.89	1.36	1.89	2.47	2.57	2.40
California	2.58	2.26	2.59	2.58	2.56	2.67	2.35	2.44
Colorado	1.86	1.74	2.36	2.47	1.54	1.72	2.32	1.52
Connecticut	2.68	2.01	1.96	2.78	2.30	2.78	3.01	2.69
Delaware	3.17	2.19	2.44	2.32	2.32	2.35	3.39	3.01
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.02	2.19	2.19	2.56	2.59	2.99	3.28	3.09
Georgia	2.99	2.82	3.34	3.08	2.72	2.51	2.23	3.25
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.56	1.60	2.10	2.12	1.98	2.25	2.70	2.60
Indiana	3.32	2.39	2.72	3.38	2.99	2.95	3.14	3.32
Iowa	3.07	2.62	3.16	2.95	1.80	2.87	2.83	2.55
Kansas	2.19	1.55	1.88	1.88	1.81	2.35	2.19	2.16
Kentucky	3.38	2.90	2.96	2.82	2.59	3.05	3.36	3.15
Louisiana	2.84	1.82	2.21	2.25	2.16	2.64	2.96	2.72
Maine	—	—	—	—	—	—	—	—
Maryland	3.04	2.23	2.63	2.65	2.85	2.49	3.25	3.12
Massachusetts	2.96	1.97	2.34	2.70	2.33	2.71	3.37	3.03
Michigan	0.78	0.75	1.09	0.55	0.90	0.72	0.73	0.88
Minnesota	2.20	1.73	2.15	2.14	2.14	2.10	2.14	2.09
Mississippi	2.86	1.72	2.08	2.10	2.00	2.52	2.85	2.64
Missouri	2.52	1.66	1.88	2.38	2.24	2.41	2.63	2.50
Montana	5.77	4.32	1.21	0.65	6.59	6.79	3.49	4.69
Nebraska	1.94	1.64	2.06	1.85	1.81	2.16	2.27	1.74
Nevada	2.08	1.67	1.99	2.70	1.96	2.20	1.83	1.98
New Hampshire	—	1.85	2.16	—	—	—	—	—
New Jersey	2.92	2.08	2.22	2.36	2.42	2.79	3.15	3.14
New Mexico	2.11	1.53	2.01	2.17	1.94	2.33	2.01	1.99
New York	2.82	2.06	2.31	2.37	2.26	2.74	3.06	2.89
North Carolina	3.89	2.39	3.12	2.55	NA	3.31	3.51	2.93
North Dakota	3.06	3.74	4.24	2.94	—	3.32	2.71	2.81
Ohio	3.13	2.28	4.19	2.96	2.72	2.70	3.18	3.51
Oklahoma	2.88	2.29	2.79	2.92	2.42	2.64	2.70	2.72
Oregon	1.30	1.23	1.86	1.42	1.27	1.24	1.25	—
Pennsylvania	2.82	2.02	2.46	2.70	1.67	2.63	3.52	2.74
Rhode Island	2.18	1.94	2.28	1.81	1.78	2.32	2.27	2.13
South Carolina	4.11	1.65	2.28	5.32	4.01	4.67	3.94	3.69
South Dakota	2.36	1.49	2.65	—	—	—	2.36	—
Tennessee	—	0.79	1.20	—	—	—	—	—
Texas	2.42	1.89	2.22	2.23	2.10	2.45	2.63	2.46
Utah	2.74	2.30	2.40	—	1.50	1.67	1.57	2.39
Vermont	3.01	1.97	2.32	2.68	2.70	3.15	3.45	3.17
Virginia	3.01	2.68	2.70	3.77	2.93	2.83	3.36	3.14
Washington	4.64	4.40	7.09	4.35	4.01	4.98	6.14	5.52
West Virginia	3.53	3.50	4.23	3.69	—	3.28	3.35	3.31
Wisconsin	2.79	2.09	2.67	2.55	2.38	2.87	2.97	2.56
Wyoming	—	7.31	5.21	—	—	—	—	—
Total	2.60	1.97	2.30	2.37	2.26	2.58	2.69	2.59

See footnotes at end of table.

Table 23. Average Price of Natural Gas Delivered to Electric Utility* Consumers, by State, 1995-1996
(Dollars per Thousand Cubic Feet) — Continued

State	1996					1995		
	May	April	March	February	January	Total	December	November
Alabama	2.59	3.10	3.29	2.82	3.71	2.01	2.68	2.19
Alaska	1.04	1.16	1.22	1.29	1.32	1.29	1.24	1.30
Arizona	4.43	2.30	2.31	3.19	2.71	1.77	2.35	1.94
Arkansas	2.30	2.54	2.71	7.11	2.02	1.74	2.68	1.80
California	2.60	2.53	2.58	3.03	2.69	2.28	2.57	2.32
Colorado	1.85	2.06	1.79	1.75	1.80	1.74	1.90	1.73
Connecticut	2.62	2.79	—	—	—	2.01	—	2.10
Delaware	3.19	4.14	2.89	4.63	4.63	2.34	3.70	2.64
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.91	3.18	3.50	2.83	3.87	2.26	3.07	2.43
Georgia	3.80	5.05	5.18	4.90	7.30	2.79	4.55	3.67
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.43	3.03	3.12	3.24	3.19	1.71	2.48	2.04
Indiana	3.21	3.40	3.85	3.98	3.39	2.49	3.01	2.72
Iowa	2.64	3.82	5.45	3.44	3.36	2.72	2.94	3.02
Kansas	2.13	2.45	2.18	2.46	2.28	1.58	2.06	1.58
Kentucky	3.78	3.40	3.72	3.57	3.96	3.01	3.14	2.57
Louisiana	2.63	2.99	3.25	4.04	3.72	1.88	2.72	2.08
Maine	—	—	—	—	—	—	—	—
Maryland	3.13	3.97	5.72	6.54	6.01	2.24	5.16	2.80
Massachusetts	3.08	3.62	4.17	3.70	6.47	2.06	3.92	2.59
Michigan	0.90	0.71	0.83	0.90	0.65	0.73	0.61	0.71
Minnesota	2.36	2.63	2.43	2.13	2.10	1.77	2.11	2.19
Mississippi	2.49	2.95	3.50	8.16	4.08	1.78	2.76	1.96
Missouri	2.42	2.20	3.37	3.12	3.11	1.69	2.38	2.10
Montana	5.95	8.98	20.05	3.68	1.86	3.84	3.84	1.40
Nebraska	1.58	1.94	2.39	2.19	1.96	1.65	1.91	1.67
Nevada	1.90	2.08	2.14	2.22	1.99	1.71	2.02	1.80
New Hampshire	—	—	—	—	—	1.86	—	—
New Jersey	3.37	3.50	3.67	2.85	2.76	2.18	3.12	2.63
New Mexico	2.04	2.17	2.23	2.16	2.07	1.57	1.83	1.74
New York	2.80	3.35	3.32	3.91	4.49	2.13	3.10	2.58
North Carolina	2.66	3.23	—	—	3.07	2.40	—	3.04
North Dakota	2.91	—	—	—	3.58	3.71	3.58	3.59
Ohio	2.99	3.48	3.74	3.54	3.94	2.34	3.04	2.28
Oklahoma	2.95	3.15	3.35	4.13	3.13	2.34	2.88	2.78
Oregon	—	—	—	—	—	1.31	1.53	1.73
Pennsylvania	3.38	2.64	3.61	5.41	4.57	2.04	2.63	2.72
Rhode Island	2.10	2.36	2.37	2.45	2.38	1.90	2.06	1.70
South Carolina	4.75	4.44	4.72	4.35	4.23	1.64	3.70	3.55
South Dakota	—	—	—	—	—	1.58	2.39	2.02
Tennessee	—	—	—	—	—	—	—	—
Texas	2.35	2.48	2.35	2.60	2.48	1.93	2.42	2.09
Utah	—	—	—	20.25	—	2.26	—	2.40
Vermont	—	2.72	—	—	3.06	1.95	1.96	1.85
Virginia	3.61	1.51	3.09	1.99	2.41	2.67	3.32	2.44
Washington	4.05	4.22	5.51	4.90	4.98	4.60	4.21	3.99
West Virginia	2.82	3.00	2.70	2.75	5.00	3.58	3.09	4.92
Wisconsin	2.71	3.01	4.19	2.88	2.64	2.23	2.65	2.51
Wyoming	—	—	—	—	—	8.32	16.25	12.28
Total	2.52	2.68	2.70	3.06	2.88	2.02	2.58	2.22

See footnotes at end of table.

Table 23. Average Price of Natural Gas Delivered to Electric Utility Consumers, by State, 1995-1996

(Dollars per Thousand Cubic Feet) — Continued

State	1995							
	October	September	August	July	June	May	April	March
Alabama	2.02	1.94	1.75	1.86	2.07	2.05	1.95	1.84
Alaska	1.28	1.29	1.13	1.22	1.33	1.43	1.28	1.39
Arizona	1.84	1.92	1.59	1.63	2.31	2.48	1.56	1.71
Arkansas	1.83	1.68	1.63	1.62	2.01	1.88	1.63	1.41
California	2.37	2.08	2.02	2.18	2.56	2.45	2.28	2.36
Colorado	1.82	1.90	1.72	1.48	1.91	1.79	1.68	1.61
Connecticut	1.85	1.80	1.82	1.95	2.11	2.10	2.07	1.99
Delaware	2.13	2.06	2.00	2.00	2.40	2.42	2.18	2.19
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.29	2.22	2.11	2.20	2.39	2.36	2.16	1.96
Georgia	3.14	3.06	2.76	2.62	2.78	2.92	2.99	3.00
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	1.78	1.68	1.59	1.53	1.64	1.71	1.64	1.51
Indiana	2.78	2.49	2.31	2.36	2.38	2.33	2.88	2.31
Iowa	2.73	2.71	2.52	2.38	2.61	3.31	2.73	3.01
Kansas	1.50	1.57	1.49	1.43	1.70	1.85	1.64	1.51
Kentucky	2.87	2.50	2.42	2.54	2.90	4.08	3.89	2.95
Louisiana	1.93	1.85	1.67	1.78	1.95	1.91	1.78	1.69
Maine	—	—	—	—	—	—	—	—
Maryland	2.51	2.03	2.10	2.16	2.38	2.64	2.64	2.54
Massachusetts	2.02	1.93	1.81	1.88	1.97	2.09	2.07	2.00
Michigan	0.43	0.77	1.09	0.79	0.48	0.48	0.55	0.86
Minnesota	1.60	1.67	1.69	1.65	1.72	1.78	1.62	1.74
Mississippi	1.90	1.73	1.60	1.64	1.85	1.84	1.74	1.59
Missouri	1.88	1.91	1.71	1.64	1.62	1.62	1.56	1.43
Montana	7.42	2.07	1.55	7.37	2.30	4.66	25.80	12.45
Nebraska	1.50	1.51	1.54	1.50	1.96	1.94	1.60	1.90
Nevada	1.82	1.75	1.53	1.56	1.77	1.80	1.85	1.51
New Hampshire	1.93	1.81	1.71	1.79	1.98	1.98	1.98	—
New Jersey	2.26	2.12	2.09	2.03	2.54	2.44	1.90	1.74
New Mexico	1.65	1.64	1.44	1.41	1.53	1.57	1.50	1.44
New York	2.03	1.93	1.89	1.94	2.12	2.20	2.14	2.08
North Carolina	2.07	2.00	2.45	2.43	2.16	2.17	2.50	2.89
North Dakota	—	4.07	—	3.95	3.89	—	3.77	3.68
Ohio	2.66	2.16	2.38	2.09	2.13	2.18	2.47	2.28
Oklahoma	2.95	2.16	2.07	2.09	2.42	2.46	2.28	2.27
Oregon	1.42	1.01	0.94	0.93	—	1.13	1.25	1.15
Pennsylvania	1.90	1.80	1.77	1.99	2.05	2.29	1.86	2.38
Rhode Island	1.76	2.05	2.00	—	1.93	—	—	—
South Carolina	1.55	1.59	1.56	1.90	1.96	2.50	2.73	1.43
South Dakota	—	1.64	1.37	1.43	2.13	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	1.96	1.89	1.79	1.85	1.93	1.92	1.86	1.85
Utah	1.80	1.52	1.43	3.65	6.27	2.69	2.70	2.63
Vermont	2.13	2.31	2.29	2.33	2.31	2.31	2.23	1.86
Virginia	2.58	2.36	2.24	3.12	7.84	2.41	2.60	2.57
Washington	5.97	3.54	4.37	4.37	3.87	5.83	29.07	6.51
West Virginia	2.57	3.30	1.86	3.68	3.89	4.08	4.09	3.52
Wisconsin	2.30	2.37	2.06	1.89	2.17	2.25	2.22	2.18
Wyoming	4.15	4.56	14.93	3.25	15.69	11.58	10.51	5.93
Total	2.09	1.95	1.84	1.90	2.06	2.06	1.97	1.92

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

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. 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, 1994-1996

State	YTD 1996		YTD 1995		YTD 1994		1996	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	November	
							Commercial	Industrial
Alabama	77.6	14.9	80.0	23.1	80.6	27.2	68.7	14.4
Alaska	70.3	96.1	80.2	51.5	100.0	54.3	67.3	97.7
Arizona	85.3	20.6	88.5	24.7	90.6	30.3	84.1	20.7
Arkansas	94.7	16.3	95.2	14.1	94.8	13.8	94.0	15.2
California	54.0	10.9	52.2	12.3	46.6	18.4	57.5	10.4
Colorado	NA	NA	94.3	25.1	94.7	27.9	93.9	23.3
Connecticut	86.9	84.3	80.6	86.8	80.6	94.9	84.2	76.9
Delaware	100.0	38.0	100.0	68.3	100.0	67.3	100.0	34.6
District of Columbia	72.8	—	76.7	—	92.0	—	56.0	—
Florida	97.6	9.8	97.6	16.0	97.9	16.2	97.1	8.0
Georgia	93.5	24.1	92.9	34.7	92.0	37.2	91.4	19.4
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	86.4	1.3	86.1	2.3	85.5	2.9	84.9	0.5
Illinois	54.1	10.7	49.8	10.6	52.9	12.5	52.7	11.5
Indiana	91.6	16.1	86.7	13.8	92.4	13.3	89.5	15.4
Iowa	88.1	8.9	88.9	8.1	90.3	11.8	86.1	18.3
Kansas	67.9	14.0	74.3	12.7	78.2	6.2	76.6	8.2
Kentucky	89.1	22.9	88.5	26.9	91.6	31.7	87.3	17.9
Louisiana	98.0	NA	98.1	29.8	98.0	23.9	96.4	NA
Maine	100.0	97.8	100.0	100.0	100.0	100.0	100.0	91.5
Maryland	NA	NA	96.8	13.3	97.0	16.6	NA	NA
Massachusetts	75.0	25.6	85.7	31.6	75.0	27.7	62.1	40.2
Michigan	64.7	6.1	65.3	8.7	65.1	10.4	65.5	9.1
Minnesota	96.6	38.1	93.6	34.4	96.2	43.7	97.2	41.2
Mississippi	NA	NA	97.1	42.6	96.6	44.2	91.3	38.9
Missouri	81.6	23.4	82.9	22.2	83.4	20.8	78.4	27.4
Montana	90.7	3.5	91.6	3.0	91.5	3.7	87.7	4.7
Nebraska	NA	24.7	NA	15.8	80.1	21.6	NA	28.0
Nevada	74.9	1.6	76.5	1.8	82.7	1.9	71.5	7.6
New Hampshire	99.0	64.3	99.2	64.4	100.0	96.5	98.9	63.8
New Jersey	72.6	NA	86.9	52.7	91.6	57.6	66.8	39.1
New Mexico	61.6	1.7	59.6	5.7	61.4	9.6	66.4	5.5
New York	NA	12.7	75.6	13.2	79.3	15.9	NA	10.6
North Carolina	96.1	51.5	91.2	42.7	96.3	58.2	91.9	43.0
North Dakota	86.0	26.4	79.9	17.4	79.9	25.3	88.7	46.9
Ohio	71.3	5.7	75.7	7.1	81.5	9.7	72.4	10.5
Oklahoma	87.9	6.9	85.0	15.7	88.1	24.6	85.2	7.9
Oregon	98.3	19.4	98.1	25.5	98.0	31.5	98.3	14.4
Pennsylvania	71.5	17.1	67.9	15.6	74.6	20.5	66.3	16.7
Rhode Island	91.9	16.6	100.0	12.0	100.0	8.9	87.6	55.7
South Carolina	98.7	81.7	95.8	80.7	98.4	76.0	96.8	82.2
South Dakota	82.6	33.7	86.6	27.2	88.6	37.1	80.7	34.1
Tennessee	92.0	35.5	93.2	46.7	94.1	45.6	91.6	30.9
Texas	NA	NA	68.6	27.4	81.7	27.7	61.7	17.2
Utah	81.4	9.2	81.6	11.2	82.7	12.0	81.2	9.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	84.1	13.7	82.8	14.6	86.8	21.7	83.0	14.4
Washington	85.7	23.6	92.0	33.3	95.5	41.9	84.6	21.6
West Virginia	51.7	13.9	50.1	14.2	55.1	13.0	52.0	14.4
Wisconsin	NA	34.0	91.7	47.1	95.0	47.7	93.0	30.6
Wyoming	NA	NA	NA	NA	96.0	2.2	NA	NA
Total	73.0	18.2	76.3	24.0	78.9	25.1	68.6	16.6

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1994-1996 — Continued

State	1996							
	October		September		August		July	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	66.4	12.6	68.5	12.8	67.8	12.4	69.2	13.3
Alaska	63.7	97.8	60.8	100.0	64.1	91.0	61.8	88.7
Arizona	83.2	19.1	83.5	19.1	78.4	20.5	82.1	19.6
Arkansas	90.2	14.5	88.9	21.3	91.5	16.3	88.5	18.3
California	43.7	9.1	44.9	9.6	44.3	8.8	48.0	11.5
Colorado	91.0	NA	^a 92.0	NA	^a 89.0	NA	NA	NA
Connecticut	81.5	74.1	69.2	73.5	77.8	73.0	81.3	82.0
Delaware	100.0	30.7	100.0	27.5	100.0	26.1	100.0	26.2
District of Columbia	48.8	—	47.8	—	53.0	—	62.6	—
Florida	97.5	8.8	97.7	7.2	97.3	8.0	97.6	8.2
Georgia	89.6	21.3	85.4	26.7	87.0	21.2	87.6	13.5
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	77.3	1.6	80.0	1.3	82.0	1.7	82.4	1.1
Illinois	48.5	7.3	42.8	5.5	42.7	5.0	39.3	4.9
Indiana	91.1	12.9	70.7	8.1	74.3	9.1	79.1	8.6
Iowa	81.0	9.8	76.3	5.6	91.9	8.2	76.5	4.8
Kansas	76.8	11.4	77.5	10.2	33.6	10.3	66.2	10.0
Kentucky	87.5	17.4	81.8	15.4	82.9	15.2	83.2	21.4
Louisiana	98.6	NA	98.8	9.0	97.4	10.5	99.1	10.2
Maine	100.0	91.3	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	NA	NA	NA	NA	NA	NA	77.4	6.0
Massachusetts	69.5	34.8	55.0	30.2	61.1	34.8	68.0	36.8
Michigan	54.0	5.2	42.7	3.1	39.5	3.4	42.3	3.3
Minnesota	98.1	35.7	93.8	34.4	93.3	37.6	94.4	38.3
Mississippi	NA	NA	96.7	34.4	97.5	35.9	96.9	33.0
Missouri	69.0	16.8	67.0	17.8	57.7	13.0	61.7	19.4
Montana	87.1	2.9	85.6	2.2	86.9	1.5	87.4	1.8
Nebraska	NA	19.2	NA	22.0	NA	21.7	NA	21.7
Nevada	64.9	5.4	68.4	5.5	67.6	5.8	71.1	6.0
New Hampshire	98.6	63.2	98.2	63.8	98.2	61.6	98.0	64.7
New Jersey	65.8	NA	60.3	36.1	60.3	38.8	61.3	37.0
New Mexico	61.3	2.7	59.4	1.6	61.1	1.8	64.2	0.7
New York	NA	10.7	NA	11.1	NA	11.0	NA	11.1
North Carolina	85.4	24.3	85.9	21.4	88.3	30.6	95.9	61.4
North Dakota	77.2	33.3	72.4	21.7	73.1	9.2	72.2	8.5
Ohio	68.4	2.8	65.0	3.1	53.8	2.7	56.3	2.1
Oklahoma	78.2	5.2	78.3	5.2	74.5	5.9	76.4	5.3
Oregon	97.0	14.2	97.5	14.0	98.0	13.6	98.1	13.6
Pennsylvania	63.5	13.1	66.3	13.7	49.0	14.4	63.8	15.8
Rhode Island	67.0	57.2	50.5	51.4	87.1	50.4	84.4	42.2
South Carolina	95.6	79.3	96.6	80.6	96.6	80.7	100.0	87.2
South Dakota	72.9	15.8	68.6	12.3	66.9	13.5	67.1	15.1
Tennessee	83.5	33.8	75.9	23.6	83.6	30.4	91.1	39.5
Texas	NA	20.6	50.3	16.7	NA	NA	65.0	24.7
Utah	79.5	9.7	78.4	8.6	71.9	7.7	73.3	7.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	72.5	7.0	62.4	7.7	72.2	6.6	65.8	7.2
Washington	82.7	19.3	81.5	19.9	80.1	11.7	80.0	21.1
West Virginia	41.0	13.0	32.5	11.6	41.9	12.5	41.5	12.8
Wisconsin	96.3	28.4	96.8	24.9	97.5	25.0	^a 85.7	25.9
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA
Total	62.7	15.8	^a58.9	14.5	^a58.4	14.8	^a61.6	18.2

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1994-1996 — Continued

State	1996							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	71.0	13.6	76.4	15.0	80.5	16.6	80.8	17.3
Alaska	65.2	93.7	68.9	98.5	71.9	98.5	76.3	97.7
Arizona	83.6	21.1	84.8	29.2	83.7	22.5	86.9	24.2
Arkansas	94.2	19.1	92.4	18.8	96.3	17.9	95.6	15.0
California	53.0	10.4	52.2	11.6	63.7	12.4	63.3	12.5
Colorado	93.6	20.4	93.6	18.5	94.2	17.9	94.8	16.8
Connecticut	79.2	90.3	78.6	92.4	89.9	94.5	93.1	96.6
Delaware	100.0	38.2	100.0	31.7	100.0	28.5	100.0	56.9
District of Columbia	71.2	—	71.1	—	87.8	—	84.6	—
Florida	97.7	9.1	97.8	10.8	97.7	11.6	96.9	11.5
Georgia	87.8	17.4	91.4	23.5	94.3	26.8	96.5	30.4
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	86.0	1.7	85.7	1.3	87.2	1.3	88.2	1.4
Illinois	43.8	4.4	49.3	7.9	53.4	12.4	59.3	16.5
Indiana	78.0	4.9	86.8	40.5	94.4	19.6	95.4	24.0
Iowa	87.6	5.4	90.4	6.8	89.4	7.3	88.2	8.2
Kansas	61.3	12.1	51.3	17.9	63.7	15.8	70.0	14.4
Kentucky	88.6	13.8	81.6	19.4	88.8	27.9	91.2	32.3
Louisiana	96.7	10.5	94.4	9.6	98.9	10.0	97.6	9.4
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	87.4	8.1	93.0	10.7	90.9	17.5	91.1	21.8
Massachusetts	70.6	39.4	77.4	38.2	80.0	43.3	82.2	37.3
Michigan	44.2	4.6	62.6	7.1	66.8	11.1	71.6	11.7
Minnesota	95.6	33.8	97.2	32.4	97.0	50.0	96.9	36.8
Mississippi	96.3	34.9	97.0	35.1	96.9	36.9	96.6	38.2
Missouri	72.0	23.4	78.5	24.6	84.4	25.8	85.4	23.9
Montana	90.5	1.8	90.5	2.8	92.4	4.0	91.6	5.0
Nebraska	NA	19.8	NA	23.4	NA	24.3	NA	25.9
Nevada	73.7	6.8	75.1	6.7	77.3	8.5	78.9	8.7
New Hampshire	98.5	66.2	98.9	66.9	99.1	68.1	99.2	63.6
New Jersey	64.4	32.0	67.6	41.1	72.2	34.8	77.3	41.8
New Mexico	64.1	1.7	45.8	0.3	56.4	0.9	57.9	0.4
New York	NA	12.4	NA	13.2	NA	14.5	NA	23.8
North Carolina	90.5	44.7	91.2	35.9	99.7	77.1	99.9	88.4
North Dakota	62.2	12.5	88.4	20.1	84.6	27.0	90.5	21.9
Ohio	42.0	2.8	63.1	4.3	72.2	5.9	76.0	7.2
Oklahoma	78.7	5.2	82.8	3.7	93.0	8.9	91.4	9.0
Oregon	98.3	16.3	98.1	18.1	98.1	23.7	98.6	25.5
Pennsylvania	63.6	14.4	68.2	15.9	72.2	18.5	76.5	25.5
Rhode Island	92.1	57.0	97.9	62.0	97.8	59.4	98.5	90.7
South Carolina	97.1	77.3	97.5	78.0	100.0	86.4	100.0	83.6
South Dakota	74.5	11.9	78.7	18.3	85.0	25.0	84.7	71.4
Tennessee	86.9	35.0	89.1	32.8	94.9	43.8	91.6	44.5
Texas	60.4	20.8	61.7	20.5	66.6	19.5	63.1	17.7
Utah	72.9	9.5	77.7	9.0	82.3	10.2	82.8	9.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	63.9	9.6	78.0	15.4	83.7	14.6	90.8	13.0
Washington	82.0	21.8	84.5	23.2	84.4	26.0	87.6	31.3
West Virginia	25.2	12.2	42.9	12.6	51.4	12.8	60.7	14.7
Wisconsin	NA	26.2	93.3	31.0	93.7	35.6	95.6	46.1
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA
Total	66.3	16.6	71.7	18.5	76.7	20.1	79.8	21.0

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1994-1996 — Continued

State	1996				1995			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	85.6	18.5	81.5	17.7	80.1	23.4	81.1	25.8
Alaska	79.1	98.4	73.7	96.3	79.9	52.1	77.9	60.6
Arizona	90.2	27.0	89.5	24.4	88.4	24.7	87.2	25.1
Arkansas	96.9	16.5	96.4	15.6	96.0	14.2	100.0	9.7
California	58.7	15.3	59.5	13.9	52.1	13.2	50.9	11.2
Colorado	96.2	17.6	95.3	24.9	94.2	8.5	93.8	9.0
Connecticut	93.2	98.2	93.4	95.1	82.0	90.1	91.7	96.1
Delaware	100.0	57.6	100.0	58.3	100.0	67.6	100.0	57.4
District of Columbia	83.8	—	80.5	—	76.8	—	77.4	—
Florida	97.1	11.7	98.8	17.4	97.6	16.2	96.7	17.7
Georgia	97.9	33.0	97.4	34.0	93.5	35.7	97.2	46.2
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	90.1	1.3	88.8	1.1	86.0	2.2	85.5	1.1
Illinois	59.3	16.3	58.0	15.2	50.4	11.0	53.3	14.5
Indiana	96.8	25.6	95.7	24.5	87.8	14.2	93.4	18.2
Iowa	91.6	8.1	90.2	10.9	89.3	8.2	91.2	9.9
Kansas	78.9	14.7	72.2	25.7	73.6	12.9	70.7	15.6
Kentucky	90.8	32.9	92.7	32.6	89.2	27.7	92.7	34.6
Louisiana	98.4	10.1	99.7	29.7	98.1	31.0	97.6	30.7
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	96.9	19.0	94.7	20.7	96.9	13.3	97.0	12.0
Massachusetts	83.2	49.6	83.9	44.0	84.9	53.4	79.5	48.1
Michigan	70.6	13.7	72.2	13.7	66.4	12.2	72.5	16.2
Minnesota	97.6	37.6	95.9	38.0	93.7	34.6	94.6	36.3
Mississippi	97.8	38.8	97.9	47.8	97.0	42.4	95.5	40.3
Missouri	89.7	32.9	87.4	26.1	83.3	22.4	85.7	24.3
Montana	93.5	5.6	92.0	4.5	91.6	3.1	91.9	4.6
Nebraska	NA	29.5	NA	31.2	NA	16.5	NA	25.7
Nevada	81.1	10.0	79.7	10.0	76.5	7.7	75.2	8.1
New Hampshire	99.3	61.1	99.3	64.0	99.2	64.4	99.1	64.6
New Jersey	79.1	35.1	79.9	36.8	86.3	52.9	82.9	55.0
New Mexico	60.2	0.5	70.2	2.8	60.3	6.6	64.4	14.2
New York	NA	18.4	NA	18.3	76.2	17.4	79.9	22.2
North Carolina	99.8	66.9	99.9	93.4	92.4	46.9	99.9	94.2
North Dakota	92.9	25.0	90.4	31.7	80.9	18.2	86.5	26.4
Ohio	76.0	9.8	77.3	8.3	76.3	7.4	79.2	8.8
Oklahoma	93.2	11.1	91.5	8.7	85.2	15.2	86.0	9.5
Oregon	98.8	26.6	98.4	26.5	98.1	25.5	98.4	25.2
Pennsylvania	77.8	23.6	76.4	15.5	68.4	16.3	70.6	23.0
Rhode Island	99.3	84.1	100.0	39.4	100.0	11.1	100.0	4.9
South Carolina	100.0	81.4	100.0	81.9	96.4	81.4	100.0	90.0
South Dakota	87.9	32.6	89.9	31.0	86.9	27.6	88.5	31.4
Tennessee	96.8	38.2	96.7	39.8	93.8	47.6	97.2	56.2
Texas	75.9	23.7	71.4	21.5	68.6	25.5	67.9	22.7
Utah	85.6	10.0	84.0	9.4	81.8	11.0	82.8	8.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	96.5	13.8	96.9	14.8	84.1	14.8	91.4	17.0
Washington	89.8	31.2	89.1	33.0	91.8	32.9	89.7	29.2
West Virginia	62.3	16.6	60.3	19.2	51.6	14.4	60.8	16.3
Wisconsin	96.1	42.8	95.4	40.8	92.0	46.6	93.6	42.9
Wyoming	NA	NA	NA	NA	NA	NA	NA	NA
Total	82.1	22.1	^R76.2	^R21.7	76.7	24.5	79.2	25.0

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1994-1996 — Continued

State	1995							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	72.8	21.6	72.0	22.2	73.1	20.6	74.2	20.1
Alaska	72.9	64.3	69.2	57.8	72.1	31.0	71.3	26.6
Arizona	87.9	21.3	88.4	19.2	86.5	19.5	84.8	19.8
Arkansas	92.6	15.5	91.8	15.3	92.3	13.7	93.4	12.9
California	48.7	11.1	43.4	9.4	39.9	9.8	44.1	11.0
Colorado	93.5	11.3	89.8	11.2	89.3	8.9	89.7	7.0
Connecticut	87.7	99.5	81.6	94.7	72.1	93.0	63.7	85.2
Delaware	100.0	66.6	100.0	69.2	100.0	67.8	100.0	65.3
District of Columbia	74.6	—	64.8	—	61.6	—	66.2	—
Florida	97.4	18.0	97.8	15.2	98.1	14.3	97.8	13.6
Georgia	94.8	37.8	91.1	38.4	87.9	26.9	88.4	20.2
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	85.9	1.3	77.1	0.6	80.4	2.8	82.5	2.5
Illinois	51.8	13.3	46.6	8.4	39.6	6.3	38.2	4.6
Indiana	90.7	16.8	80.9	11.3	77.9	8.9	72.7	9.1
Iowa	89.6	12.0	86.9	10.0	80.7	6.2	77.7	5.7
Kansas	88.7	14.9	76.3	16.1	62.5	14.6	51.3	12.5
Kentucky	91.0	30.6	85.7	28.3	81.7	31.7	81.5	24.5
Louisiana	97.3	32.6	98.6	29.8	98.3	29.9	98.4	27.5
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	95.6	6.5	94.7	8.7	95.6	9.8	94.9	8.8
Massachusetts	81.6	53.7	81.0	54.4	77.5	46.1	77.3	51.4
Michigan	68.0	12.1	57.1	7.3	46.9	7.8	39.0	5.9
Minnesota	90.4	40.2	93.8	36.7	93.8	37.6	92.7	27.7
Mississippi	95.6	41.9	98.0	42.8	98.3	44.9	98.9	41.0
Missouri	78.7	20.1	71.8	17.2	71.4	19.7	71.6	17.8
Montana	91.8	3.4	88.8	2.5	88.2	2.1	88.9	1.4
Nebraska	NA	17.2	NA	19.5	NA	10.9	68.4	12.8
Nevada	70.8	7.5	67.8	6.2	71.3	6.5	70.0	6.7
New Hampshire	98.9	69.8	98.5	67.8	98.3	66.2	98.1	64.9
New Jersey	81.9	49.7	72.6	51.2	83.8	45.6	75.1	47.9
New Mexico	62.3	16.2	54.6	12.9	51.2	7.5	57.9	5.2
New York	77.2	20.4	72.3	15.8	68.1	14.5	64.1	13.0
North Carolina	93.6	51.4	88.2	41.4	87.5	31.0	87.1	28.6
North Dakota	80.3	21.8	64.2	12.8	70.9	11.6	58.9	10.9
Ohio	77.9	7.1	69.9	5.2	58.3	4.3	59.0	4.2
Oklahoma	79.8	7.6	74.6	7.0	76.7	12.6	74.1	7.4
Oregon	97.9	24.3	96.7	23.5	98.1	24.1	97.9	22.8
Pennsylvania	48.3	14.0	66.9	12.2	62.8	12.8	64.1	12.7
Rhode Island	100.0	13.7	100.0	17.9	100.0	12.7	100.0	12.0
South Carolina	95.9	78.5	95.3	79.8	95.3	82.5	95.1	81.0
South Dakota	85.8	35.0	82.3	21.4	75.8	20.0	75.5	14.4
Tennessee	96.5	61.0	89.1	47.6	87.7	39.3	87.2	39.2
Texas	70.7	24.9	55.8	23.1	71.2	24.1	69.1	27.3
Utah	80.2	10.4	79.4	11.1	75.2	10.9	71.3	11.2
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	84.4	19.1	71.5	11.0	70.9	13.9	73.5	13.0
Washington	88.7	28.1	87.9	26.4	87.4	24.8	90.7	29.5
West Virginia	51.6	16.0	42.0	14.2	38.9	13.0	38.1	13.4
Wisconsin	93.4	43.7	88.9	44.2	87.3	44.1	84.8	42.3
Wyoming	NA	NA	NA	NA	NA	NA	98.4	3.0
Total	75.6	24.7	69.7	22.5	67.9	22.0	66.6	21.8

See footnotes at end of table.

Table 24. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1994-1996 — Continued

State	1995							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	75.1	19.6	75.7	21.5	77.5	21.9	81.4	24.0
Alaska	72.0	39.6	76.4	40.7	81.9	79.1	83.8	74.7
Arizona	84.5	24.9	87.9	32.5	87.8	24.7	86.9	30.4
Arkansas	91.5	12.5	93.1	13.6	93.3	13.7	95.1	15.1
California	44.7	12.2	53.1	14.4	50.3	14.4	56.8	14.5
Colorado	92.3	7.2	95.5	5.3	95.1	7.2	94.3	9.2
Connecticut	61.8	94.4	66.1	88.5	75.5	89.2	81.6	78.2
Delaware	100.0	62.6	100.0	68.1	100.0	79.1	100.0	75.7
District of Columbia	68.0	—	69.6	—	73.3	—	76.5	—
Florida	98.2	13.3	98.1	15.1	97.9	16.5	97.9	17.2
Georgia	87.4	29.7	88.4	32.7	89.7	32.2	90.7	29.7
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	83.7	3.0	85.3	3.2	86.0	2.5	85.5	3.1
Illinois	38.6	5.9	42.9	8.8	40.2	9.2	49.3	11.7
Indiana	73.5	7.5	76.1	8.2	83.4	9.4	87.0	12.9
Iowa	80.0	5.9	81.9	5.5	86.1	5.0	88.8	7.5
Kansas	66.0	13.1	64.8	15.2	62.9	11.1	69.5	12.3
Kentucky	76.5	22.3	80.6	27.1	87.4	25.5	86.3	26.3
Louisiana	98.1	27.7	98.0	32.3	98.2	31.0	98.6	30.5
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	94.4	10.5	96.2	11.2	95.9	14.7	96.7	7.7
Massachusetts	74.6	47.1	82.7	67.6	88.0	56.9	88.3	53.8
Michigan	41.6	5.9	45.8	6.2	61.5	8.1	68.0	13.9
Minnesota	91.4	30.9	93.0	38.4	95.5	38.7	96.2	39.5
Mississippi	98.4	38.0	90.4	39.2	98.8	44.5	98.5	41.8
Missouri	72.3	20.1	75.0	19.9	80.9	20.8	83.3	21.7
Montana	89.6	1.7	90.1	1.4	92.0	2.4	91.9	8.3
Nebraska	70.4	10.1	71.8	13.9	76.0	13.3	79.8	14.9
Nevada	72.8	7.3	76.5	7.0	77.1	7.0	78.9	8.4
New Hampshire	98.4	57.1	98.5	59.3	98.8	61.8	99.3	66.4
New Jersey	78.7	47.5	80.0	49.0	84.5	56.6	87.4	53.9
New Mexico	60.7	3.8	60.9	3.4	47.7	2.0	57.6	2.9
New York	66.5	13.4	66.5	14.0	71.7	15.9	76.3	16.9
North Carolina	88.0	30.4	86.4	43.5	90.6	44.3	76.0	47.6
North Dakota	61.7	7.1	70.7	13.4	80.0	14.2	83.2	18.5
Ohio	62.9	3.7	61.4	5.4	67.8	5.7	76.8	8.1
Oklahoma	77.0	17.5	79.3	15.8	84.9	18.8	85.3	23.9
Oregon	98.1	22.2	97.8	23.8	97.9	24.0	98.2	28.2
Pennsylvania	65.3	13.4	66.6	12.5	68.7	14.6	71.4	17.8
Rhode Island	100.0	9.0	100.0	14.2	100.0	12.2	100.0	11.9
South Carolina	95.0	85.4	88.4	83.5	95.6	83.0	95.0	79.6
South Dakota	76.5	15.0	77.1	17.3	82.8	21.8	87.2	31.5
Tennessee	89.9	41.4	93.0	48.8	89.6	58.0	90.8	36.7
Texas	68.1	25.1	72.7	26.1	55.0	22.7	70.2	28.0
Utah	73.9	10.6	79.3	10.8	80.0	9.1	83.1	9.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	72.0	10.4	74.7	13.2	76.2	11.6	77.6	14.8
Washington	90.8	33.2	91.3	33.8	91.8	33.4	92.6	37.9
West Virginia	36.6	14.8	34.8	14.0	42.2	14.0	50.6	13.8
Wisconsin	82.3	43.0	81.8	43.3	90.0	46.6	92.4	51.0
Wyoming	85.2	3.5	90.5	3.0	89.2	2.5	92.4	2.4
Total	67.3	22.2	71.4	24.5	71.8	23.6	77.2	25.4

^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, 1992-1996

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 25. Gas Home Customer-Weighted Heating Degree Days

Census Divisions	November 1 through November 30					December 1 through December 31				
	Normal ^a	1995	1996	Percent Change		Normal ^a	1995	1996	Percent Change	
				Normal to 1996	1995 to 1996				Normal to 1996	1995 to 1996
New England										
CT, ME, MA, NH, RI, VT	693	789	820	18.3	3.9	1,073	1,152	908	-15.4	-21.2
Middle Atlantic										
NJ, NY, PA	646	750	775	20.0	3.3	1,010	1,111	863	-14.6	-22.3
East North Central										
IL, IN, MI, OH, WI	730	913	917	25.6	0.4	1,142	1,208	1,068	-6.5	-11.6
West North Central										
IA, KS, MN, MO, ND, NE, SD	788	910	982	24.6	7.9	1,235	1,212	1,265	2.4	4.4
South Atlantic										
DE, FL, GA, MD and DC, NC, SC, VA, WV	421	550	538	27.8	-2.2	696	782	622	-10.6	-20.5
East South Central										
AL, KY, MS, TN	431	576	524	21.6	-9.0	717	766	618	-13.8	-19.3
West South Central										
AR, LA, OK, TX	280	301	309	10.4	2.7	534	510	453	-15.2	-11.2
Mountain										
AZ, CO, ID, MT, NV, NM, UT, WY	715	599	711	-0.6	18.7	1,006	901	923	-8.3	2.4
Pacific ^b										
CA, OR, WA	341	247	325	-4.7	31.6	519	440	452	-12.9	2.7
U.S. Average ^b	559	630	660	18.1	4.8	881	899	802	-9.0	-10.8

	January 1 through January 31					Cumulative November 1 through January 31				
	Normal ^a	1996	1997	Percent Change		Normal ^a	1996	1997	Percent Change	
				Normal to 1997	1996 to 1997				Normal to 1997	1996 to 1997
New England										
CT, ME, MA, NH, RI, VT	1,222	1,195	1,183	-3.2	-1.0	2,988	3,136	2,911	-2.6	-7.2
Middle Atlantic										
NJ, NY, PA	1,168	1,164	1,129	-3.3	-3.0	2,824	3,025	2,767	-2.0	-8.5
East North Central										
IL, IN, MI, OH, WI	1,314	1,294	1,330	1.2	2.8	3,186	3,415	3,315	4.0	-2.9
West North Central										
IA, KS, MN, MO, ND, NE, SD	1,384	1,446	1,420	2.6	-1.8	3,407	3,568	3,667	7.6	2.8
South Atlantic										
DE, FL, GA, MD and DC, NC, SC, VA, WV	809	810	740	-8.5	-8.6	1,926	2,142	1,900	-1.3	-11.3
East South Central										
AL, KY, MS, TN	843	828	795	-5.7	-4.0	1,991	2,170	1,937	-2.7	-10.7
West South Central										
AR, LA, OK, TX	631	600	620	-1.7	3.3	1,445	1,411	1,382	-4.4	-2.1
Mountain										
AZ, CO, ID, MT, NV, NM, UT, WY	1,052	1,012	1,021	-2.9	0.9	2,773	2,512	2,655	-4.3	5.7
Pacific ^b										
CA, OR, WA	526	471	484	-8.0	2.8	1,386	1,158	1,261	-9.0	8.9
U.S. Average ^b	995	978	976	-1.9	-0.2	2,435	2,507	2,438	0.1	-2.8

^a Normal is based on calculations of data from 1961 through 1990.

^b Excludes Alaska and Hawaii.

Note: See Appendix A, Explanatory Note 11 for discussion of Heating Degree-Days computations.

Sources: National Oceanic and Atmospheric Administration.

 

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly*. These data are preliminary when initially published. The latest two months of data are estimates taken from the Short-Term Integrated Forecasting System (STIFS). For consumption data by sector, the latest three months are estimates taken from the STIFS.

For the first month that data are estimated or reported from submitted reports, the table below lists the methodologies for deriving the monthly data to be published. For the components of supply and disposition, this is two months earlier than the current month. For consumption by sector, this is three months earlier than the current month. For example, in the November issue, the September supply and disposition data and the August consumption by sector data are derived from the methodologies described in the table.

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

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 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, November 1996

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	241	432	773	918	0.13	0.75	0.89
Alaska	0	0	0	0	—	—	—
Arizona	13	34	0	37	0.05	0.01	—
Arkansas	43	37	9	58	0.01	0.03	0.01
California	332	41	393	516	0.03	0.06	0.06
Colorado	0	0	0	0	—	—	—
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	154	138	612	646	0.50	0.27	0.58
Georgia	1,386	278	723	1,588	0.39	0.40	0.57
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	1,072	142	307	1,124	—	0.03	0.42
Indiana	1,584	181	1,310	2,064	0.10	0.11	0.22
Iowa	96	168	83	211	0.17	0.15	0.34
Kansas	1,190	695	25,461	25,498	0.27	0.52	2.09
Kentucky	5,301	2,531	4,267	7,260	3.03	0.47	6.63
Louisiana	270	40	NA	NA	0.69	0.20	NA
Maine	0	0	0	0	—	—	—
Maryland	NA	NA	NA	NA	NA	NA	NA
Massachusetts	241	416	567	743	0.08	0.06	0.20
Michigan	3,222	1,101	3,483	4,871	0.05	0.06	0.26
Minnesota	643	522	2,432	2,569	0.13	0.12	0.16
Mississippi	152	185	171	294	0.40	0.45	0.44
Missouri	468	594	1,186	1,406	0.15	0.36	0.05
Montana	6	8	0	10	0.01	0.01	—
Nebraska	0	NA	0	NA	—	NA	—
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	743	523	0	909	1.00	2.17	—
New York	NA	NA	7,501	NA	NA	NA	0.75
North Carolina	67	41	311	321	0.12	0.06	0.05
North Dakota	0	0	0	0	—	—	—
Ohio	2,322	2,976	4,162	5,619	0.21	0.24	0.58
Oklahoma	39	658	62	662	0.04	0.16	0.06
Oregon	0	0	0	0	—	—	—
Pennsylvania	627	2,001	3,944	4,467	0.14	0.05	1.13
Rhode Island	0	0	0	0	—	—	—
South Carolina	50	99	192	222	0.46	0.98	0.18
South Dakota	0	0	0	0	—	—	—
Tennessee	340	386	388	644	0.17	0.47	0.28
Texas	13,874	7,152	11,848	19,596	4.67	3.61	—
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	911	247	3,183	3,320	0.02	0.06	3.66
Washington	0	0	0	0	—	—	—
West Virginia	2,704	513	754	2,854	1.00	0.84	0.24
Wisconsin	729	987	1,597	2,014	0.27	0.21	0.19
Wyoming	NA	NA	NA	NA	NA	NA	NA
Total	17,463	9,037	30,952	36,670	0.13	0.10	0.48

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.

NGM Feature Articles

March 1992

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

August 1992

U.S. Natural Gas Imports and Exports - 1991

(Contains final 1991 data on all U.S. imports and exports of natural gas.)

November 1992

Natural Gas Futures Contract Market - The First 2 Years

(Reviews the financial and economic significance of trading in natural gas futures markets.)

December 1992

Three-Dimensional Seismology — A New Perspective

(Describes the impact 3D seismology will have on future U.S. reserves and production.)

Imports of Canadian Gas Under Long-Term Contracts

(Addresses how regulatory changes have altered the contractual revisions of long-term agreements.)

March 1993

Natural Gas 1992: Issues and Trends

(Provides an overview of the natural gas industry in 1991 and 1992, focusing on trends in production, consumption, and pricing of natural gas.)

Natural Gas Productive Capacity

(Analyzes monthly natural gas wellhead productive capacity and projects this capacity for 1992 and 1993.)

April 1993

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

August 1993

U.S. Natural Gas Imports and Exports - 1992

(Contains final 1992 data on all U.S. imports and exports of natural gas.)

October 1993

U.S. Production of Natural Gas from Tight Reservoirs

(Discusses the economic incentives offered to induce operators to explore for and develop gas reservoirs from unconventional sources.)

The Expanding Role of Underground Storage

(Discusses the expanded role of underground natural gas storage in the restructured natural gas industry.)

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.)

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.