

Natural Gas Monthly December 2000

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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Natural Gas Weekly Market Update</i>	PDF	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
Databases		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
Applications		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

Preface

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

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

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

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

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

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

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through December 2000 for many data series at the national level. National-level natural gas prices are available through August (electric utilities), September (residential, commercial, and industrial), or November (wellhead). State-level data are generally available through September 2000 although underground storage data are available through October 2000. According to reports filed with the Energy Information Administration, 74 billion cubic feet of gas in underground storage was reclassified from base gas to working gas in Michigan during October, thus increasing supplies available from storage.

Monthly Data

After 3 years of warmer-than-normal winter weather, temperatures in November and December 2000 returned to normal or colder-than-normal levels. These falling temperatures resulted in increased demand for natural gas. Also in December, production increased significantly from the previous month's level for the first time in 9 months. Highlights of the most recent data are:

- Dry natural gas production in December 2000 increased by 11 percent from the level in November 2000. As natural gas prices remain unusually high during the second month of the 2000-2001 heating season, increased production will mitigate pressure for further price rises. Production for December is estimated to be 1,705 billion cubic feet or 55 billion

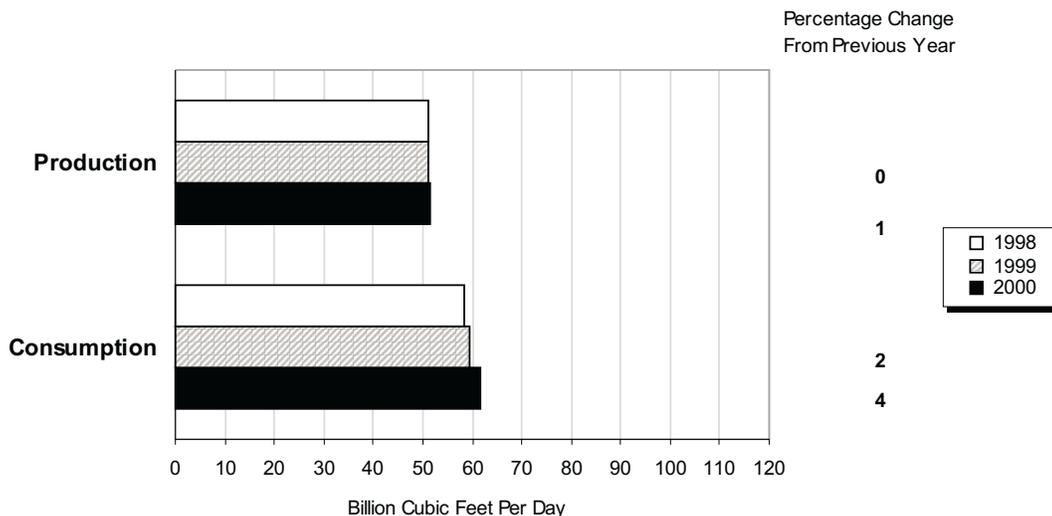
cubic feet per day, an 11-percent increase over December 1999 production levels.

- Working gas in underground storage facilities dropped to 1,710 billion cubic feet at the end of December 2000, 32 percent lower than at the end of December 1999 and 27 percent lower than the average for this point in the heating season during 1995-1999. Data on working gas in underground storage include 74 billion cubic feet reported as reclassified from base gas to working gas in Michigan in October 2000. Nationally, the reclassification increased the level of working gas at the end of October by about 3 percent. Net storage withdrawals were at record-breaking levels across the Nation during the month of December, totaling 771 billion cubic feet, 56 percent more than the average December withdrawal level during 1995-1999.
- End-use consumption for December 2000 is estimated to be 2,378 billion cubic feet, 16 percent greater than during the same period one year ago. Gas consumption rose in the residential and commercial sectors with increased demand for space heating. Residential consumption showed an especially large increase, 35 percent above December 1999, as temperatures across the nation dropped below normal, especially in the East. Consumption in the commercial sector is estimated at 492 billion cubic feet in December 2000, 36 percent more than in December 1999.

Reclassification of Natural Gas in Underground Storage

Data on working gas in underground storage include 74 billion cubic feet reported as reclassified from base gas to working gas in Michigan in October 2000. This change contributed to the level of 2,774 billion cubic of working gas in underground storage at the end of October, the beginning of the 2000-2001 heating season. Nationally, the reclassification increased the level of working gas at the end of October by about 3 percent from the 2,700 billion cubic feet it would have been otherwise. The end-of-October working gas level is 208 cubic feet lower than the 1995-1999 five-year average for October and 1,635 billion cubic feet greater than the average working gas level at the end of March during those years.

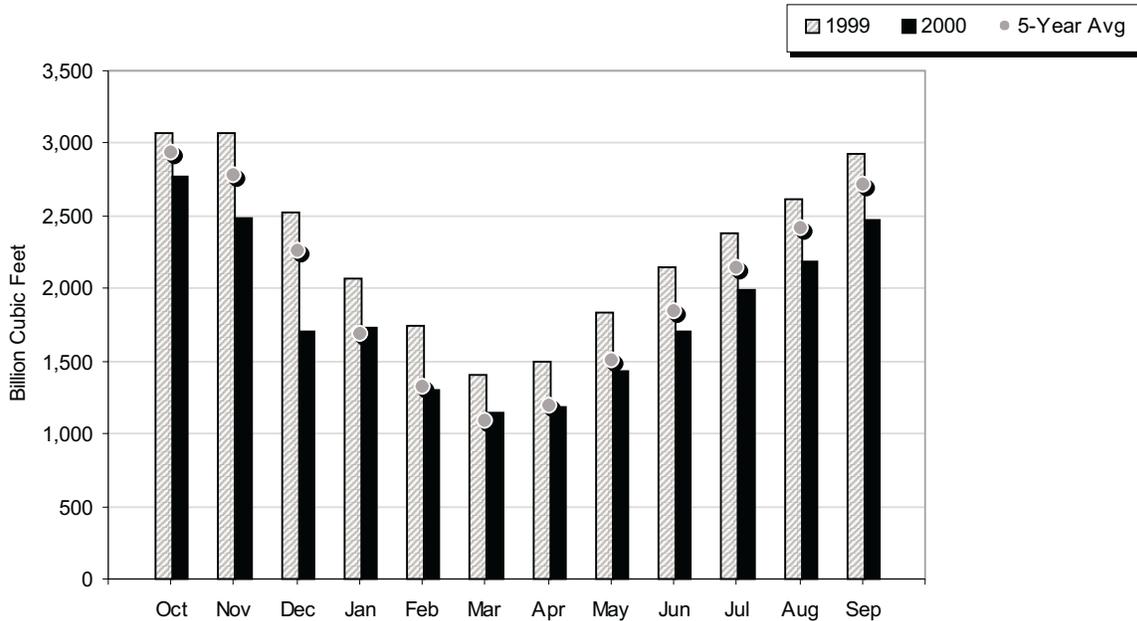
Figure H11. Average Daily Rate of Natural Gas Production and Consumption, January-December, 1998-2000



Source: Table 2.

- The average natural gas wellhead price increased during 2000 from a low of \$2.12 per thousand cubic feet in January to the most recent estimate of \$4.62 per thousand cubic feet in November. The November 2000 price is 89 percent higher than that of November 1999, which at \$2.44 per thousand cubic feet was the highest monthly price seen during 1999. The cumulative average wellhead price for January through November 2000 is estimated to be \$3.35 per thousand cubic feet, 61 percent higher than for the same period in 1999. Increases in natural gas consumption during 2000, relatively flat production levels for most of the year, and only a slight increase in net imports have all contributed to increases in wellhead prices.
- Daily settlement prices for the New York Mercantile Exchange futures contract at the Henry Hub set record highs at the end of December 2000. The futures contract for delivery in January 2001 closed at \$9.978 per million Btu on December 27, 2000. This is 1.7 times higher than the closing price of the December 2000 contract and 4.3 times higher than that of last year's January contract, which closed at \$2.344 per million Btu.
- End users are seeing higher prices for natural gas in 2000 compared with 1999, but increases are higher in the industrial and electric utility sectors, which generally respond more quickly to changes in wellhead prices, than in the residential and commercial sectors. (Also note that end-use price information is not yet available for the current heating-season months.) The average city gate price (the price paid by local gas distribution companies) for January through September 2000 is estimated at \$3.97 per thousand cubic feet, \$0.91 (30 percent) higher than for the same period in 1999. The average price paid by industrial users through September 2000 is estimated at \$3.96 per thousand cubic feet, \$0.94 (31 percent) higher than in 1999 and the price paid by electric utilities (available through August only) is estimated at \$3.76 per thousand cubic feet, \$1.25 (50 percent) higher than in 1999. In contrast, the average price paid by residential users for January through September 2000 is estimated at \$7.13 per thousand cubic feet. This is \$0.51 per thousand cubic feet (8 percent) higher

Figure HI2. Working Gas in Underground Storage in the United States, 1999-2000



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 1996 to 2000. Data are reported as of the end of the month, thus October data represent the beginning of the heating season.

Source: 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.

than in the same period of 1999. Similarly, the commercial sector paid an average of \$5.64 per thousand cubic feet for natural gas through September 2000. This is \$0.39 per thousand cubic feet (7 percent) higher than in 1999.

Annual Data

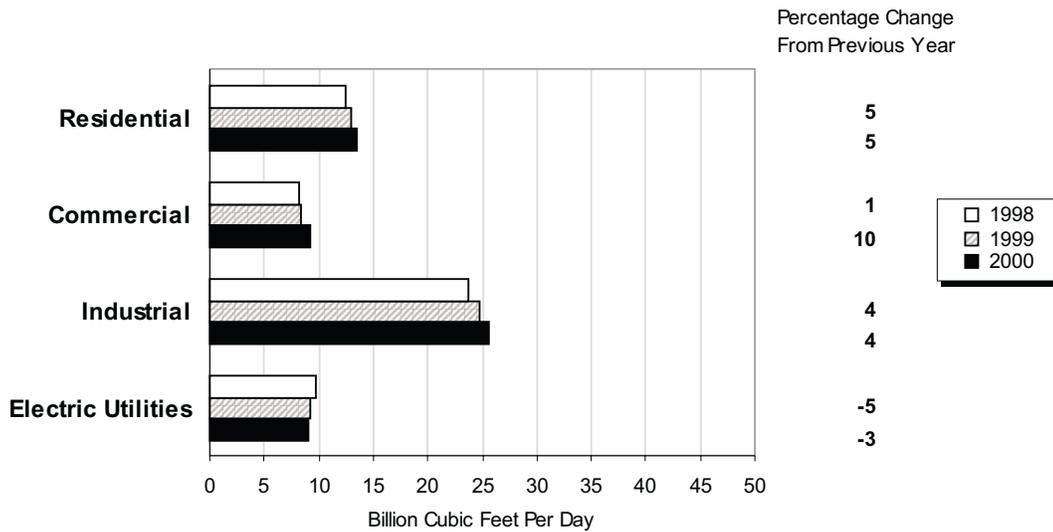
Estimates of production and consumption at the national level for the year 2000 are available for the first time in this issue of the *Natural Gas Monthly* (Tables 2 and 3). Highlights are:

- Natural gas production at the end of 2000 is estimated to be 18,848 billion cubic feet, 1 percent greater than the annual levels in 1999 and 1998. Monthly levels from 1998 through 2000 ranged from 1,448 to 1,637 billion cubic feet in all months except December 2000 when production reached 1,705 billion cubic feet. This recent increase has occurred in response to high gas prices and increased demand

for gas for space heating as the weather turned colder than normal.

- End-use consumption at the end of 2000 is estimated to be 20,655 billion cubic feet, 4 percent above the 1999 total of 19,890 billion cubic feet. In the residential sector, sharp increases in November and December 2000 were somewhat offset by declines in some months earlier in the year. The year ended with a 5-percent increase in this sector, compared to the 1999 annual level. Consumption rose by 10 percent in the commercial sector from 1999 to 2000. For the industrial sector, consumption was 4 percent higher this year. Some of this increase may reflect gas consumed by nonutility generators. As the restructuring of the electric utility industry proceeds, many previously regulated generating plants have been sold to entities that are not regulated utilities. These facilities are classified as nonutility generators, and the gas that they consume is reported as industrial consumption rather than electric utility consumption. End-of-year data are not yet available for the electric utility sector.

Figure HI3. Average Daily Rate of Natural Gas Deliveries to Consumers, January-December, 1998-2000



Note: Electric utilities reflect deliveries for January-September.
Source: Table 3.

Heating Season Information on the EIA Web Site

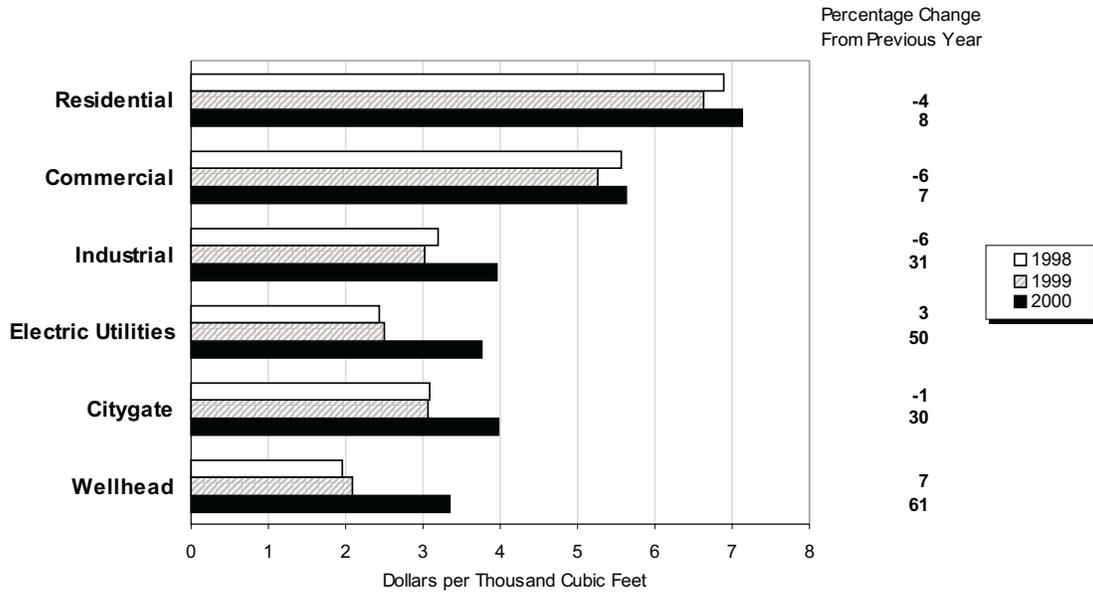
EIA provides two electronic publications on its web site, <http://www.eia.doe.gov>, that give weekly updates on the natural gas industry. Users of natural gas information may find these reports especially helpful during the current heating season. These reports are located in “Featured Topics” on the right side of the natural gas page.

- The *Natural Gas Update* is published Thursday afternoons and presents the most recent data released by the industry on natural gas storage as well as data on spot and futures prices for the first 3 days of the week. This report will be available throughout the 2000-2001 heating season.
- The *Natural Gas Weekly Market Update* is released each Monday afternoon. This report contains a

more in-depth analysis of the events of the previous week and includes data on average temperatures for major gas-consuming metropolitan areas. During the heating season these metro areas are: Chicago, Kansas City, New York, and Pittsburgh. For the rest of the year the metro areas are: Dallas/Fort Worth, Houston, Los Angeles, Miami, New Orleans, and New York.

In addition, EIA recently published a brochure, *Residential Natural Gas Prices: What Consumers Should Know*, which explains the main components of the residential price, why consumers will be paying more on average this winter, and ways in which consumers can lessen the impact of potentially higher bills. This brochure is available electronically through the “What’s New” tab on the left of the natural gas section of EIA’s web site at <http://www.eia.doe.gov>. Paper copies are available from the National Energy Information Center (202) 586-8800.

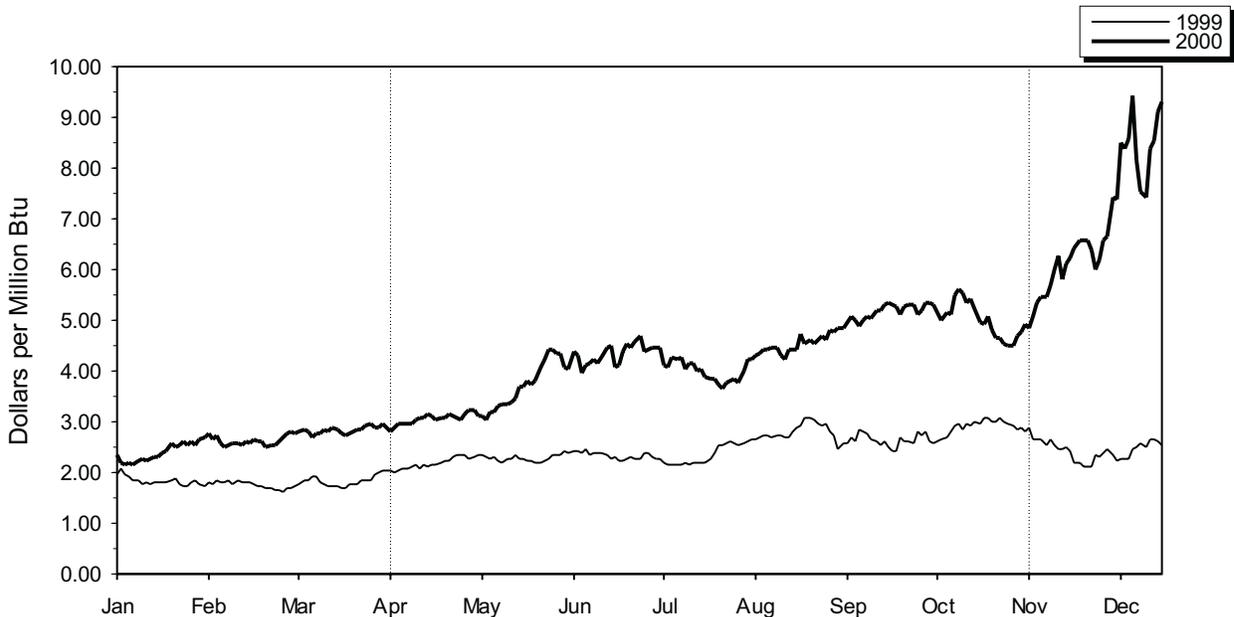
Figure HI4. Average Delivered and Wellhead Natural Gas Prices, January-September, 1998-2000



Note: Commercial and industrial average prices reflect onsystem sales only. The reporting of wellhead prices is 2 months ahead of the reporting of city gate, residential, commercial, and industrial prices. The reporting of electric utility prices is 1 month behind the reporting of city gate, residential, commercial, and industrial prices.

Source: Table 4.

Figure HI5. Daily Futures Settlement Prices at the Henry Hub



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

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

Table 1. Summary of Natural Gas Production in the United States, 1994-2000
(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
1994 Total	23,581	3,231	412	228	19,710	889	18,821
1995 Total	23,744	3,565	388	284	19,506	908	18,599
1996 Total	24,114	3,511	518	272	19,812	958	18,854
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998							
January	2,093	307	48	19	1,719	82	1,637
February	1,877	291	49	17	1,520	73	1,448
March	2,081	310	51	20	1,700	81	1,619
April	1,994	284	50	20	1,640	78	1,562
May	2,035	266	47	16	1,705	81	1,624
June	1,975	271	49	21	1,634	78	1,556
July	2,002	265	51	20	1,666	80	1,586
August	2,024	273	53	20	1,678	80	1,598
September	1,874	276	51	20	1,527	73	1,454
October	2,026	297	58	21	1,650	79	1,571
November	1,954	292	52	20	1,591	76	1,515
December	1,988	302	51	20	1,615	77	1,538
Total	23,924	3,433	611	234	19,646	938	18,708
1999							
January	2,064	296	54	21	1,693	84	1,609
February	1,878	280	49	19	1,531	76	1,455
March	2,070	298	51	20	1,701	84	1,616
April	1,964	274	50	20	1,620	80	1,540
May	1,984	255	53	20	1,657	82	1,574
June	1,945	262	48	20	1,615	80	1,535
July	1,988	253	52	21	1,663	83	1,580
August	1,984	263	50	21	1,651	82	1,569
September	1,931	265	50	23	1,594	79	1,515
October	2,012	286	53	21	1,653	82	1,571
November	1,953	282	49	20	1,601	79	1,522
December	1,982	293	52	20	1,618	80	1,537
Total	23,755	3,305	610	245	19,596	973	18,623
2000							
January	^E 2,041	^E 336	^E 42	^E 20	^E 1,644	^E 76	^E 1,568
February	^E 1,935	^E 320	^E 42	^E 22	^E 1,551	^E 71	^E 1,479
March	^E 2,069	^E 319	^E 46	^E 23	^E 1,680	^E 77	^E 1,602
April	^E 1,977	^E 324	^E 43	^E 20	^E 1,590	^E 73	^E 1,517
May	^E 2,032	^E 320	^E 43	^E 21	^E 1,648	^E 76	^E 1,572
June	^E 1,974	^E 293	^E 44	^E 23	^E 1,613	^E 74	^E 1,539
July	^E 2,009	^E 292	^E 43	^E 20	^E 1,654	^E 76	^E 1,578
August	^{RE} 2,054	^{RE} 302	^{RE} 42	^{RE} 19	^{RE} 1,691	^{RE} 78	^{RE} 1,613
September	^E 1,977	^E 293	^E 43	^E 21	^E 1,620	^E 75	^E 1,545
October	^E 2,025	^E 290	^E 43	^E 21	^E 1,671	^E 77	^E 1,594
November(STIFS)	NA	NA	NA	NA	^E 1,612	^E 78	^E 1,534
December(STIFS)	NA	NA	NA	NA	^E 1,790	^E 85	^E 1,705
Total	NA	NA	NA	NA	^E 19,764	^E 916	^E 18,848

^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.

^E Estimated Data.

^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1994 through 1999 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: 1994-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: Form EIA-895, "Monthly Quantity of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1994-2000
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1994 Total	18,821	111	2,462	-286	-400	20,708
1995 Total	18,599	110	2,687	415	-230	21,581
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	92	21,959
1998						
January	1,637	11	270	486	-2	2,401
February	1,448	9	240	301	114	2,111
March	1,619	10	244	255	-4	2,123
April	1,562	8	240	-206	102	1,705
May	1,624	7	242	-402	29	1,500
June	1,556	6	230	-336	6	1,462
July	1,586	8	255	-326	49	1,572
August	1,598	8	264	-286	-1	1,583
September	1,454	7	250	-231	-10	1,471
October	1,571	8	253	-269	-81	1,482
November	1,515	10	246	32	-85	1,717
December	1,538	11	259	452	-131	2,129
Total	18,708	102	2,993	-530	-11	21,262
1999						
January	1,609	10	298	659	-35	2,542
February	1,455	8	273	339	61	2,137
March	1,616	9	286	314	-46	2,178
April	1,540	8	258	-96	87	1,797
May	1,574	8	277	-358	11	1,513
June	1,535	6	268	-327	-49	1,433
July	1,580	8	283	-231	-103	1,536
August	1,569	8	299	-236	-60	1,580
September	1,515	7	290	-335	-12	1,464
October	1,571	8	294	-165	-124	1,584
November	1,522	8	287	34	-130	1,721
December	1,537	10	308	573	-216	2,212
Total	18,623	98	3,422	171	-612	21,703
2000						
January	^E 1,568	^E 10	307	780	-148	2,518
February	^E 1,479	^E 9	279	454	127	2,348
March	^E 1,602	^E 8	287	162	4	2,063
April	^E 1,517	^E 7	277	-36	25	1,791
May	^E 1,572	^E 7	268	-232	42	1,657
June	^E 1,539	^E 6	279	-272	-25	1,527
July	^E 1,578	^E 8	^E 300	-290	-30	1,566
August	^{RE} 1,613	^E 8	^E 281	-193	^R -58	^R 1,650
September	^E 1,545	^E 7	^{RE} 279	-282	^R -88	1,461
October	^E 1,594	^E 8	^E 298	-227	^E -103	^E 1,570
November(STIFS)	^E 1,534	^E 10	^E 299	^E 293	^E -277	^E 1,860
December(STIFS)	^E 1,705	^E 12	^E 332	^E 771	^E -264	^E 2,556
Total	^E 18,848	^E 101	^E 3,486	^E 927	^E -795	^E 22,567

^a Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0022 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 1994 through 1999 include underground storage and liquefied natural gas storage. Data for January 2000 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

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

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and

deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

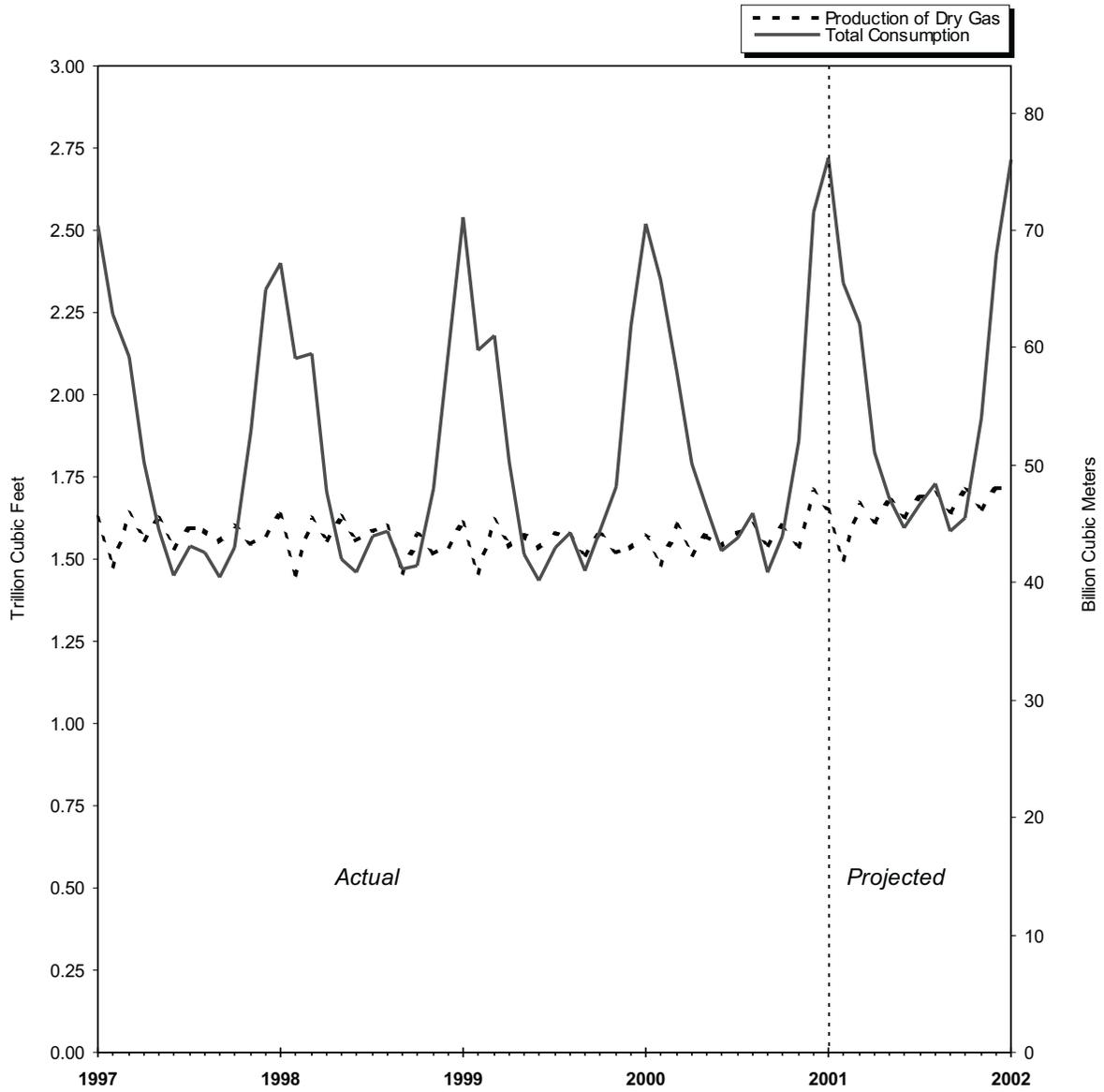
^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1994 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1994-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations, and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil 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, 1997-2001



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

Table 3. Natural Gas Consumption in the United States, 1994-2000
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial ^c	Industrial	Electric Utilities	Total	
1994 Total	1,124	685	4,848	2,897	8,167	2,987	18,899	20,708
1995 Total	1,220	700	4,850	3,034	8,580	3,197	19,660	21,581
1996 Total	1,250	711	5,241	3,161	8,870	2,732	20,006	21,967
1997 Total	1,203	751	4,984	3,219	8,832	2,968	20,004	21,959
1998								
January	101	73	812	451	793	171	2,227	2,401
February	90	64	692	393	739	134	1,957	2,111
March	101	64	648	367	750	194	1,959	2,123
April	97	51	408	256	704	190	1,558	1,705
May	99	44	221	170	676	290	1,357	1,500
June	96	43	153	138	654	379	1,323	1,462
July	97	47	132	142	704	449	1,428	1,572
August	98	47	117	144	719	457	1,438	1,583
September	90	44	121	140	695	381	1,337	1,471
October	98	44	203	173	718	246	1,340	1,482
November	94	51	398	264	732	178	1,572	1,717
December	96	64	616	362	803	189	1,969	2,129
Total	1,157	635	4,520	3,005	8,686	3,258	19,469	21,262
1999								
January	93	87	911	477	797	176	2,361	2,542
February	85	73	690	401	739	149	1,979	2,137
March	94	74	669	390	747	204	2,010	2,178
April	89	61	420	260	713	254	1,647	1,797
May	90	51	235	177	690	270	1,372	1,513
June	88	48	158	144	673	322	1,297	1,433
July	91	52	127	133	701	434	1,394	1,536
August	90	53	116	137	750	432	1,436	1,580
September	88	49	135	138	772	283	1,327	1,464
October	91	53	234	181	785	240	1,440	1,584
November	88	58	372	246	785	172	1,574	1,721
December	90	76	660	363	849	176	2,047	2,212
Total	1,077	735	4,726	3,050	9,001	3,113	19,890	21,703
2000								
January	^E 103	75	892	473	786	190	2,341	2,518
February	^E 97	70	776	441	798	166	2,181	2,348
March	^E 105	61	551	372	767	207	1,897	2,063
April	^E 100	53	395	267	762	214	1,638	1,791
May	^E 103	49	226	203	767	309	1,505	1,657
June	^E 101	45	151	165	759	306	1,381	1,527
July	^E 104	53	131	161	745	372	1,409	1,566
August	^{RE} 106	^R 56	122	159	798	409	1,489	^R 1,650
September	^E 101	49	140	161	727	283	1,310	1,461
October(STIFS)	^E 103	^E 44	^E 225	^E 165	^E 807	NA	^E 1,422	^E 1,570
November(STIFS)	^E 102	^E 55	^E 463	^E 288	^E 780	NA	^E 1,703	^E 1,860
December(STIFS)	^E 106	^E 72	^E 888	^E 492	^E 867	NA	^E 2,378	^E 2,556
Total	^E 1,231	^E 682	^E 4,958	^E 3,348	^E 9,362	NA	^E 20,655	^E 22,567

^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 Deliveries to Commercial consumers for 1994-1999 include vehicle fuel deliveries, which totaled, in billion cubic feet, 1.7 in 1994, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, and 5.7 in 1999.

^R Revised Data.

^E Estimated Data.

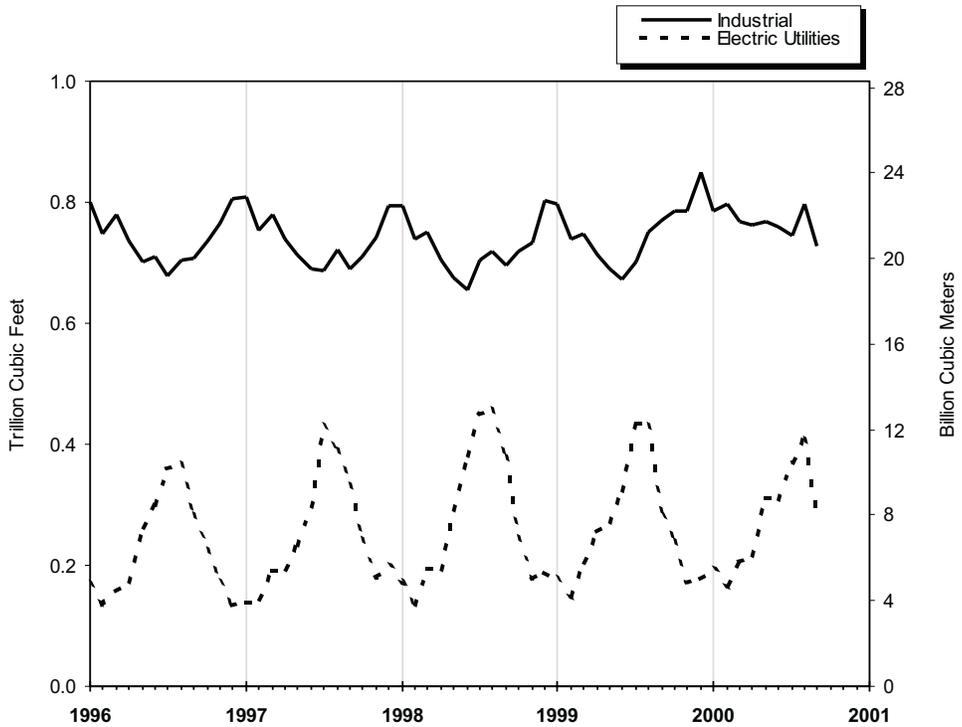
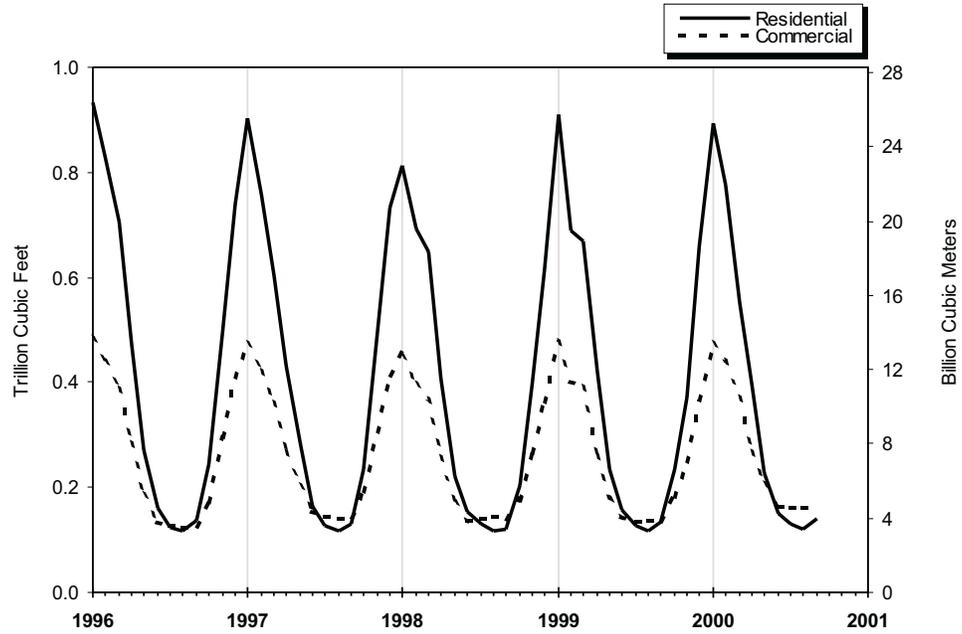
^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1994 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1994-1999: Energy Information Administration (EIA): Form EIA-627, "Annual Quantity and Value of Natural Gas Report," (thru 1994), Form EIA-895 "Monthly Quantity of Natural Gas Report," (1995 forward), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1999*. January 2000 through the current month: EIA: Form EIA-895, 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, 1996-2000



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1994-2000

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers					Electric Utilities Price
			Residential Price	Commercial		Industrial		
				Price	% of Total ^b	Price	% of Total ^b	
1994 Annual Average	1.85	3.07	6.41	5.44	79.3	3.05	25.5	2.28
1995 Annual Average	1.55	2.78	6.06	5.05	76.7	2.71	24.5	2.02
1996 Annual Average	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78
1998								
January	1.95	3.08	6.41	5.65	73.2	3.67	16.8	2.64
February	1.95	3.08	6.41	5.59	72.9	3.58	16.7	2.51
March	2.05	3.06	6.29	5.40	73.6	3.40	17.3	2.53
April	2.15	3.23	6.81	5.64	67.7	3.28	15.8	2.59
May	2.04	3.12	7.70	5.73	62.6	3.14	14.9	2.47
June	1.90	2.98	8.51	5.51	62.9	2.97	15.1	2.40
July	2.08	3.31	8.53	5.64	56.0	3.04	13.1	2.50
August	1.81	3.01	9.25	5.46	53.3	2.75	13.8	2.21
September	1.69	2.78	8.96	5.49	57.0	2.65	14.2	2.15
October	1.85	2.99	7.60	5.31	59.2	2.75	14.8	2.22
November	1.93	2.99	6.58	5.22	64.5	2.95	15.7	2.37
December	1.94	3.10	6.34	5.23	68.3	2.92	17.2	2.22
Annual Average	1.94	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999								
January	^{RE} 1.80	2.87	6.00	5.19	73.1	3.29	16.9	2.32
February	^{RE} 1.73	2.93	6.29	5.28	69.7	2.92	16.8	2.26
March	^{RE} 1.70	2.69	6.06	4.97	69.3	2.95	17.4	2.15
April	^{RE} 1.93	2.94	6.44	5.32	65.4	3.00	16.6	2.29
May	^{RE} 2.10	3.41	7.30	5.34	61.1	2.86	16.0	2.57
June	^{RE} 2.09	3.28	8.20	5.29	61.1	2.81	15.8	2.53
July	^{RE} 2.07	3.23	8.83	5.44	58.2	2.86	15.7	2.58
August	^{RE} 2.34	3.53	9.14	5.46	56.6	2.99	18.8	2.86
September	^{RE} 2.42	3.72	8.63	5.55	60.0	3.41	17.5	2.98
October	^{RE} 2.31	3.31	7.56	5.46	61.7	3.20	17.5	2.83
November	^{RE} 2.44	3.76	7.15	5.72	63.0	3.51	17.7	3.01
December	^{RE} 2.03	3.24	6.51	5.56	67.6	3.05	21.3	2.68
Annual Average	^{RE} 2.08	3.16	6.69	5.33	66.2	3.10	18.8	2.62
2000								
January	^E 2.12	3.33	6.24	5.49	66.8	3.48	17.1	2.74
February	^E 2.30	3.50	6.40	5.61	68.0	3.67	16.6	2.95
March	^E 2.36	3.57	6.78	5.31	64.2	3.54	15.8	2.99
April	^E 2.55	3.72	7.01	5.61	64.3	3.63	15.5	3.22
May	^E 2.90	4.00	7.88	5.28	63.6	3.73	14.6	3.61
June	^E 3.73	5.21	9.12	5.74	61.0	4.31	15.4	4.46
July	^E 3.70	5.13	9.92	5.74	59.3	4.45	15.9	4.36
August	^E 3.67	4.03	10.12	5.95	56.8	4.21	15.1	4.30
September	^E 4.26	5.71	9.78	7.03	58.9	4.81	13.5	NA
October	^E 4.61	NA	NA	NA	NA	NA	NA	NA
November	^E 4.62	NA	NA	NA	NA	NA	NA	NA
2000 YTD^c	^E 3.35	3.97	7.13	5.64	64.0	3.96	15.5	3.76
1999 YTD^c	^E 2.08	3.06	6.62	5.25	66.6	3.02	16.9	2.51
1998 YTD^c	1.95	3.08	6.90	5.57	67.7	3.20	15.3	2.44

^a See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for breakdown by State.

^c Year-to-date price represents months for which price information is available in the current year.

^E Estimated Data.

^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1994 through 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50

States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1994-1999: Energy Information Administration (EIA) *Natural Gas Annual 1999*. January 2000 through current month: 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. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1996-2000

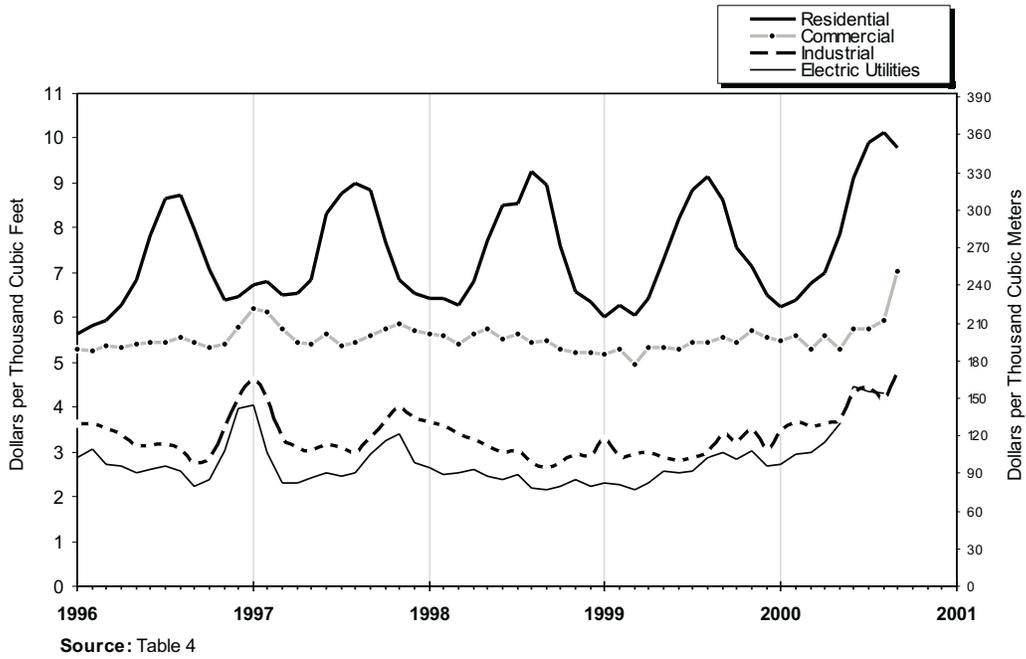


Figure 4. Average Price of Natural Gas in the United States, 1996-2000

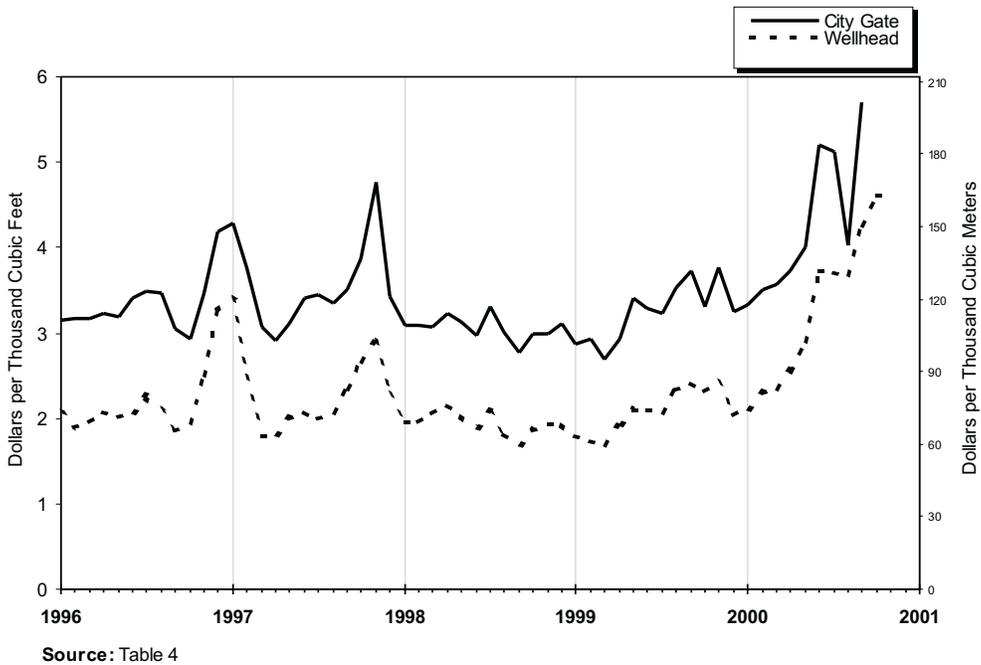


Table 5. U.S. Natural Gas Imports, by Country, 1994-2000
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1994 Total	2,566,049	1.86	7,013	1.99	50,778	2.28	0	—	0	—
1995 Total	2,816,408	1.48	6,722	1.53	17,918	2.30	0	—	0	—
1996 Total	2,883,277	1.96	13,862	2.25	35,325	2.70	0	—	0	—
1997 Total	2,899,152	2.15	17,243	2.31	65,675	2.67	9,686	2.92	0	—
1998										
January	276,118	2.06	55	2.12	10,105	2.51	0	—	0	—
February	239,091	1.90	2,184	2.04	7,606	2.51	2,171	3.99	0	—
March	257,485	1.97	380	2.20	5,166	2.50	0	—	0	—
April	247,363	2.03	3,249	2.37	2,549	2.52	0	—	0	—
May	243,868	2.00	845	2.15	7,596	2.51	0	—	0	—
June	235,847	1.86	5	2.21	5,149	2.51	2,441	2.91	0	—
July	259,412	1.96	1,821	2.13	5,086	2.52	0	—	0	—
August	268,535	1.80	1,413	1.78	2,540	2.52	2,321	2.92	0	—
September	254,752	1.66	2,257	1.86	5,133	2.52	0	—	0	—
October	260,135	1.92	905	1.65	5,023	2.50	0	—	0	—
November	247,971	2.09	0	—	5,042	2.51	2,353	3.55	0	—
December	261,495	2.14	1,418	1.77	7,572	2.51	2,348	3.18	0	—
Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30	0	—
1999										
January	292,833	2.02	4,891	1.74	13,066	2.42	0	—	0	—
February	269,126	1.90	4,398	1.69	7,684	2.51	2,557	3.55	0	—
March	287,769	1.77	751	1.60	13,090	2.44	0	—	0	—
April	257,065	1.83	4,193	2.02	7,637	2.35	0	—	0	—
May	275,219	2.18	6,844	1.94	3,898	2.13	0	—	0	—
June	260,240	2.13	4,978	2.12	2,528	2.17	2,314	2.33	0	—
July	278,424	2.17	3,877	2.21	5,134	2.18	0	—	0	—
August	288,717	2.39	6,028	2.61	2,554	2.17	2,302	2.37	0	—
September	280,798	2.64	4,643	2.39	7,593	2.49	0	—	0	—
October	287,177	2.50	4,168	2.49	5,118	2.48	2,309	2.42	0	—
November	284,514	2.85	6,463	2.31	2,440	2.85	0	—	0	—
December	305,663	2.32	3,296	2.08	5,021	2.51	2,422	2.76	0	—
Total	3,367,545	2.23	54,530	2.14	75,763	2.41	11,904	2.70	0	—
2000										
January	310,181	2.43	2,911	2.30	5,026	2.51	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.62	0	—	0	—
March	292,023	2.61	316	2.60	3,990	2.40	0	—	0	—
April	274,151	2.85	756	2.97	2,566	2.62	2,274	3.18	0	—
May	274,895	3.06	0	—	2,453	3.01	0	—	0	—
June	278,799	3.89	0	—	2,529	3.40	0	—	2,488	4.20
July	294,508	NA	0	NA	5,069	NA	2,285	NA	2,496	NA
August	283,216	NA	0	NA	2,370	NA	0	—	0	—
September	^R 283,395	NA	0	NA	2,558	NA	1,270	NA	0	—
October	^E 293,092	NA	0	NA	7,570	NA	0	—	2,503	NA
2000 YTD	^E2,873,482	NA	^E4,713	NA	39,118	NA	5,829	NA	7,487	NA
1999 YTD	2,777,368	2.16	44,771	2.13	68,302	2.39	9,482	2.69	0	—
1998 YTD	2,542,607	1.92	13,114	2.06	55,954	2.51	6,933	3.25	0	—

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1994-2000

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

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	0	—	0	—	0	—	0	—	2,623,839	1.87
1995 Total	0	—	0	—	0	—	0	—	2,841,048	1.49
1996 Total	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
1997 Total	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
1998										
January	0	—	0	—	0	—	0	—	286,278	2.08
February	0	—	0	—	0	—	0	—	251,052	1.94
March	0	—	0	—	0	—	0	—	263,032	1.98
April	0	—	0	—	0	—	0	—	253,161	2.04
May	0	—	0	—	0	—	0	—	252,310	2.02
June	0	—	0	—	0	—	0	—	243,442	1.88
July	0	—	0	—	0	—	0	—	266,319	1.97
August	0	—	0	—	0	—	0	—	274,809	1.82
September	0	—	0	—	0	—	0	—	262,142	1.68
October	0	—	0	—	0	—	0	—	266,063	1.93
November	0	—	0	—	2,667	2.78	0	—	258,033	2.12
December	0	—	0	—	2,585	2.47	0	—	275,417	2.16
Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999										
January	0	—	0	—	0	—	0	—	310,790	2.03
February	2,647	2.72	0	—	0	—	0	—	286,412	1.93
March	0	—	0	—	0	—	0	—	301,610	1.80
April	2,492	1.91	0	—	0	—	0	—	271,387	1.85
May	0	—	5,493	1.88	0	—	0	—	291,454	2.17
June	2,417	1.94	6,619	2.08	0	—	0	—	279,096	2.13
July	2,388	2.61	6,599	2.11	0	—	0	—	296,422	2.18
August	0	—	9,904	2.33	0	—	^a 2,576	2.36	312,081	2.39
September	4,987	2.74	4,393	2.55	0	—	0	—	302,414	2.63
October	0	—	5,865	2.57	0	—	0	—	304,637	2.50
November	2,374	3.45	6,648	2.85	2,713	3.03	0	—	305,152	2.85
December	2,392	3.59	5,256	2.83	0	—	0	—	324,050	2.34
Total	19,697	2.71	50,777	2.39	2,713	3.03	^a 2,576	2.36	3,585,505	2.24
2000										
January	0	—	7,780	3.01	0	—	0	—	325,898	2.44
February	0	—	5,168	2.90	0	—	0	—	300,107	2.59
March	2,428	2.79	8,393	2.89	0	—	0	—	307,150	2.62
April	7,254	2.71	7,285	3.04	0	—	0	—	294,286	2.85
May	0	—	10,723	3.05	0	—	0	—	288,072	3.06
June	2,385	2.75	7,390	3.47	2,725	3.56	0	—	296,316	3.87
July	4,531	NA	9,951	NA	0	—	0	—	^E 318,839	NA
August	7,167	NA	6,630	NA	0	—	0	—	^E 299,382	NA
September	5,240	NA	4,864	NA	0	—	0	—	^{RE} 297,327	NA
October	7,165	NA	4,490	NA	2,760	NA	0	—	^E 317,581	NA
2000 YTD	36,169	NA	72,674	NA	5,486	NA	0	—	^E 3,044,958	NA
1999 YTD	14,931	2.45	38,873	2.25	0	—	2,576	2.36	2,956,303	2.17
1998 YTD	0	—	0	—	0	—	0	—	2,618,608	1.93

^a Received from Malaysia.^R Revised Data.^E Estimated Data.^{RE} Revised Estimated Data.

NA Not Available.

— Not Applicable.

Sources: 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, 1994-2000
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1994 Total	52,556	2.42	46,500	1.68	62,682	3.18	0	—	161,738	2.50
1995 Total	27,554	1.96	61,283	1.50	65,283	3.41	0	—	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	67,648	3.65	0	—	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	62,187	3.83	0	—	157,006	3.02
1998										
January	4,930	2.53	4,257	2.11	7,446	3.67	0	—	16,632	2.93
February	4,502	2.11	3,117	2.06	3,726	3.42	0	—	11,346	2.53
March	7,851	2.25	4,202	2.14	7,435	3.09	0	—	19,488	2.55
April	4,509	2.47	2,675	2.23	5,702	2.81	0	—	12,886	2.57
May	2,083	2.28	6,119	2.12	1,891	2.70	0	—	10,093	2.26
June	1,938	2.03	5,617	1.98	5,695	2.69	0	—	13,250	2.29
July	1,634	1.97	3,852	2.20	5,679	2.70	0	—	11,166	2.42
August	52	1.87	4,834	1.95	5,676	2.70	1	5.88	10,563	2.35
September	1,481	2.09	2,892	1.81	7,584	2.68	0	—	11,957	2.40
October	2,127	2.03	5,167	1.90	5,679	2.72	3	5.74	12,975	2.28
November	3,630	2.17	5,079	2.00	3,776	2.75	9	5.69	12,494	2.28
December	5,152	2.26	5,323	1.99	5,662	2.73	20	5.68	16,157	2.34
Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999										
January	2,264	1.92	4,526	1.81	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	5,577	3.81	36	5.82	16,040	2.86
Total	38,508	2.35	61,025	2.27	63,607	3.08	275	6.95	163,415	2.61
2000										
January	7,056	2.49	5,937	2.39	5,569	4.04	36	5.82	18,598	2.93
February	9,033	2.70	6,394	2.62	5,566	4.08	37	5.82	21,030	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,506	3.00
April	3,093	2.86	8,794	2.93	5,670	4.25	30	5.82	17,587	3.35
May	3,791	3.15	10,338	3.23	5,709	4.27	31	5.82	19,869	3.52
June	4,331	4.19	8,714	4.30	3,763	4.34	30	5.82	16,837	4.28
July	^E 4,331	NA	^E 8,714	NA	5,587	NA	NA	NA	^E 18,632	NA
August	^E 4,331	NA	^E 8,714	NA	5,596	NA	NA	NA	^E 18,641	NA
September	^E 4,331	NA	^E 8,714	NA	5,592	NA	NA	NA	^E 18,637	NA
October	^E 4,331	NA	^E 8,714	NA	6,165	NA	NA	NA	^E 19,210	NA
2000 YTD	^E 53,678	NA	^E 82,674	NA	52,986	NA	NA	NA	^E 189,549	NA
1999 YTD	24,036	2.14	52,051	2.21	52,451	2.95	209	7.30	128,747	2.51
1998 YTD	31,108	2.26	42,731	2.05	56,514	2.94	3	5.77	130,356	2.48

^E Estimated Data.

NA Not Available.

— Not Applicable.

Sources: 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, 1994-2000
(Million Cubic Feet)

Table 7

Year and Month	Alabama ^b	Alaska	Arizona	California	Colorado	Florida	Kansas
1994 Total	515,272	555,402	752	309,427	453,207	7,486	712,730
1995 Total	519,661	469,550	558	279,555	523,084	6,463	721,436
1996 Total	530,841	480,828	463	286,494	572,071	6,006	712,796
1997 Total	583,272	468,311	452	285,690	637,375	6,114	687,215
1998							
January	46,466	43,382	43	24,752	57,511	503	53,032
February	41,653	39,244	42	22,151	52,954	491	48,698
March	46,476	42,479	53	22,708	58,795	592	52,948
April	46,281	38,540	43	21,952	57,586	531	51,415
May	48,978	35,281	38	23,894	57,916	513	54,334
June	49,638	36,217	34	24,871	55,989	426	52,862
July	50,131	36,171	42	27,157	57,737	486	51,324
August	49,215	36,118	36	29,727	58,584	472	54,059
September	42,308	36,884	32	29,114	57,005	498	43,419
October	47,503	39,958	31	30,467	60,868	423	47,058
November	46,682	39,483	33	29,508	59,592	401	47,359
December	48,447	42,890	33	28,974	61,783	459	47,078
Total	563,779	466,648	457	315,277	696,321	5,796	603,586
1999							
January	47,546	43,013	31	31,961	62,170	511	52,200
February	43,684	38,930	27	27,952	63,344	503	43,801
March	45,306	42,128	35	30,224	61,664	604	47,290
April	42,455	38,249	37	28,811	57,978	548	45,904
May	47,604	35,039	39	31,170	63,312	537	46,147
June	46,613	35,938	44	30,778	62,489	442	46,452
July	46,686	35,896	60	33,356	61,282	499	46,254
August	45,972	35,853	51	34,047	61,337	480	45,902
September	44,743	36,627	43	33,273	58,761	501	44,294
October	45,420	39,617	43	34,685	62,548	427	45,342
November	45,157	39,158	35	33,373	61,819	408	44,094
December	46,085	42,517	28	33,085	62,383	473	45,740
Total	547,271	462,967	474	382,715	739,085	5,933	553,419
2000							
January	32,291	43,584	37	31,011	[£] 61,130	499	44,772
February	30,245	38,884	33	28,855	[£] 58,455	480	42,199
March	31,529	[£] 39,274	26	31,351	[£] 62,186	567	40,737
April	30,427	39,084	28	30,645	[£] 59,718	[£] 504	[£] 39,555
May	31,134	35,171	31	31,886	[£] 60,667	[£] 474	43,445
June	29,595	35,120	32	29,799	[£] 58,778	[£] 405	43,565
July	[£] 29,489	36,894	32	31,124	[£] 60,218	[£] 477	42,591
August	[£] 29,929	[£] 36,962	33	32,702	[£] 64,198	[£] 398	[£] 44,301
2000 YTD	[£]244,639	[£]304,973	252	247,375	[£]485,350	[£]3,805	[£]341,165
1999 YTD	365,866	305,047	325	248,299	493,574	4,124	373,950
1998 YTD	378,838	307,433	329	197,215	457,073	4,015	418,672

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Louisiana ^b	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1994 Total	5,169,705	222,657	63,448	50,416	1,557,689	57,805	1,934,864
1995 Total	5,108,366	238,203	95,533	50,264	1,625,837	49,468	1,811,734
1996 Total	5,289,742	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	5,229,821	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998							
January	453,867	28,460	9,639	4,831	130,265	4,623	158,897
February	409,480	8,278	8,574	4,569	118,164	4,039	126,200
March	459,364	30,780	9,781	4,892	132,729	4,344	136,334
April	452,863	17,823	8,957	4,683	127,544	4,311	134,115
May	471,279	29,198	9,121	4,978	131,488	4,529	140,400
June	451,104	26,958	8,586	4,448	120,632	4,304	136,013
July	454,637	26,171	9,258	4,636	126,924	4,460	134,510
August	457,279	18,896	8,834	4,594	129,164	4,546	139,914
September	363,707	28,491	8,664	4,750	124,152	4,435	134,805
October	433,764	21,816	8,868	5,040	129,640	4,610	138,167
November	431,629	12,013	8,602	5,044	116,404	4,465	134,583
December	448,896	29,193	9,184	5,182	113,991	4,520	130,592
Total	5,287,870	278,076	108,068	57,645	1,501,098	53,185	1,644,531
1999							
January	459,044	20,743	9,152	5,235	129,321	4,408	135,369
February	417,264	8,426	8,678	4,768	116,787	3,931	121,063
March	462,267	40,112	9,933	5,240	128,657	4,227	133,865
April	451,763	22,574	9,426	4,889	126,045	4,299	125,362
May	457,608	25,240	9,708	5,057	125,612	4,345	128,071
June	437,730	25,084	9,480	4,666	125,381	4,333	128,410
July	455,946	23,988	9,542	5,178	127,971	4,578	134,140
August	451,409	19,154	9,406	5,123	130,728	4,542	139,529
September	429,403	24,652	9,198	5,026	124,664	4,432	126,716
October	439,129	13,540	9,050	5,305	130,728	4,613	139,787
November	422,311	21,676	8,608	5,048	127,749	4,534	130,810
December	429,918	32,175	8,840	5,629	118,027	4,622	127,725
Total	5,313,794	277,364	111,021	61,163	1,511,671	52,862	1,570,847
2000							
January	460,309	22,664	8,241	5,883	119,673	4,596	^E 133,257
February	432,654	16,043	^E 7,636	5,344	120,198	4,114	^E 124,665
March	467,392	33,779	7,350	5,595	129,748	^E 4,288	^E 132,000
April	452,175	12,800	6,785	5,123	^E 126,357	4,270	^E 128,321
May	462,558	26,717	^E 8,366	3,220	^E 128,915	4,530	^E 134,196
June	458,181	^E 17,497	^E 8,241	^E 2,737	^E 121,776	4,316	^E 128,340
July	470,775	30,350	^E 8,383	^E 2,895	^E 125,869	4,503	^E 137,592
August	465,305	32,904	^E 7,128	^E 3,092	^E 128,081	4,329	^E 138,201
2000 YTD	3,669,349	^E 192,754	^E 62,130	^E 33,888	^E 1,000,618	^E 34,947	^E 1,056,572
1999 YTD	3,593,033	185,321	75,324	40,155	1,010,503	34,662	1,045,810
1998 YTD	3,609,873	186,563	72,750	37,629	1,016,910	35,156	1,106,383

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1994-2000

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
1994 Total	3,221	6,353,844	270,858	696,018	774,724	19,709,525
1995 Total	1,923	6,330,048	241,290	673,775	759,728	19,506,474
1996 Total	1,439	6,470,620	250,767	666,036	805,491	19,812,241
1997 Total	1,173	6,453,873	257,139	738,368	736,679	19,866,093
1998						
January	90	550,623	21,826	66,238	64,219	1,719,267
February	79	497,583	21,758	59,825	56,464	1,520,246
March	96	548,845	23,656	64,659	60,395	1,699,925
April	92	531,219	23,513	61,338	57,355	1,640,161
May	92	545,368	24,967	65,642	57,484	1,705,500
June	90	522,691	23,968	59,655	55,586	1,634,073
July	95	536,998	23,036	63,534	58,630	1,665,937
August	94	542,707	23,681	63,228	56,789	1,677,936
September	90	507,526	21,554	63,059	56,609	1,527,103
October	83	529,662	23,830	65,994	61,915	1,649,698
November	85	509,919	23,045	64,618	57,038	1,590,505
December	80	495,612	22,507	63,523	62,259	1,615,203
Total	1,067	6,318,754	277,340	761,313	704,742	19,645,554
1999						
January	83	526,872	23,467	68,995	73,022	1,693,142
February	84	482,797	21,141	63,372	64,209	1,530,761
March	120	528,147	23,878	69,149	67,861	1,700,709
April	111	509,507	22,076	65,885	64,148	1,620,068
May	113	526,194	22,771	63,061	65,032	1,656,660
June	111	504,194	21,828	68,120	63,027	1,615,119
July	110	524,016	21,707	66,954	64,718	1,662,881
August	74	513,844	21,493	68,293	63,445	1,650,681
September	90	499,047	19,725	68,694	64,276	1,594,165
October	124	517,242	21,610	72,965	70,415	1,652,589
November	134	495,575	21,364	70,952	68,512	1,601,317
December	138	490,218	21,554	76,691	71,915	1,617,763
Total	1,291	6,117,653	262,614	823,132	800,579	19,595,854
2000						
January	120	534,692	21,995	60,415	^E 58,767	^E 1,643,936
February	101	497,914	20,513	69,756	^E 52,594	^E 1,550,683
March	102	540,947	21,897	74,361	^E 56,517	^E 1,679,646
April	95	518,945	21,241	60,883	^E 53,286	^E 1,590,244
May	98	537,490	22,513	^E 62,704	^E 54,179	^E 1,648,296
June	90	529,585	21,508	72,021	^E 51,575	^E 1,613,160
July	86	535,212	22,747	61,386	^E 53,046	^E 1,653,671
August	92	546,326	22,739	^E 67,297	^E 66,494	^E 1,690,511
2000 YTD	784	4,241,111	175,153	^E528,822	^E446,458	^E13,070,146
1999 YTD	805	4,115,571	178,361	533,829	525,461	13,130,020
1998 YTD	728	4,276,035	186,404	504,118	466,921	13,263,045

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 2000 monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1994 through 1999 include Federal Offshore production. For 2000, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

^c Federal offshore production volumes are included.

^E Estimated Data.

Notes: Data for 1994 through 1999 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: 1994-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 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,
August 2000**

(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	£32,592	£528	£33,120	£1,242	£1,860	£89	£29,929
Alaska	£13,508	£272,501	£286,009	£248,436	0	£611	£36,962
Arizona	33	0	33	0	0	0	33
California	8,097	27,996	36,094	3,140	169	83	32,702
Colorado	£55,732	£9,073	£64,805	£540	0	£68	£64,198
Florida	0	£449	£449	0	£52	0	£398
Kansas	£40,268	£4,154	£44,422	£76	£0	£45	£44,301
Louisiana	409,465	61,554	471,020	3,694	0	2,021	465,305
Michigan	26,779	6,695	33,474	236	0	335	32,904
Mississippi	£8,737	£439	£9,177	£521	£1,329	£199	£7,128
Montana	£2,724	£371	£3,095	£3	0	0	£3,092
New Mexico	£122,832	£19,007	£141,839	£862	£12,666	£230	£128,081
North Dakota	1,146	3,515	4,661	0	5	327	4,329
Oklahoma	£124,677	£13,524	£138,201	£0	£0	£0	£138,201
Oregon	112	0	112	4	16	0	92
Texas	484,406	117,212	601,618	38,933	13,827	2,531	546,326
Utah	20,649	2,968	23,616	55	0	823	22,739
Wyoming	£87,941	£6,944	£94,885	£4,525	£11,610	£11,453	£67,297
Other States	£65,049	£2,538	£67,587	£73	£383	£636	£66,494
Total	£1,504,749	£549,469	£2,054,218	£302,341	£41,917	£19,449	£1,690,511

^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.

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

Table 9. Underground Natural Gas Storage - All Operators, 1994-2000
(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
1994 Total^a	4,360	2,606	6,966	284	12.2	2,796	2,508	-288
1995 Total^a	4,349	2,153	6,503	-453	-17.4	2,566	2,974	408
1996 Total^a	4,341	2,173	6,513	19	0.9	2,906	2,911	6
1997 Total^a	4,350	2,175	6,525	2	0.1	2,800	2,824	24
1998								
January	4,347	1,712	6,060	215	14.5	69	538	468
February	4,342	1,426	5,768	286	25.2	75	365	291
March	4,342	1,183	5,524	192	19.4	136	382	246
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
Total	—	—	—	—	—	2,905	2,379	-526
1999								
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
Total	—	—	—	—	—	2,598	2,772	174
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	^d 4,279	^d 2,774	7,053	-300	-9.8	313	87	-227
November(STIFS)	^{RE} 4,279	^{RE} 2,481	^{RE} 6,760	^{RE} -585	^{RE} -19.1	NA	NA	^E 293
December(STIFS)	^E 4,279	^E 1,710	^E 5,989	^E -814	^E -32.2	NA	NA	^E 771
Total	—	—	—	—	—	NA	NA	927

^a Total as of December 31.

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1994 - 8,043; 1995 - 7,927; 1996 - 8,159; 1997 - 8,128; 1998 - 8,179; and 1999 - 8,229.

^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^d Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

^E Estimated Data.

^{RE} Revised Estimated Data.

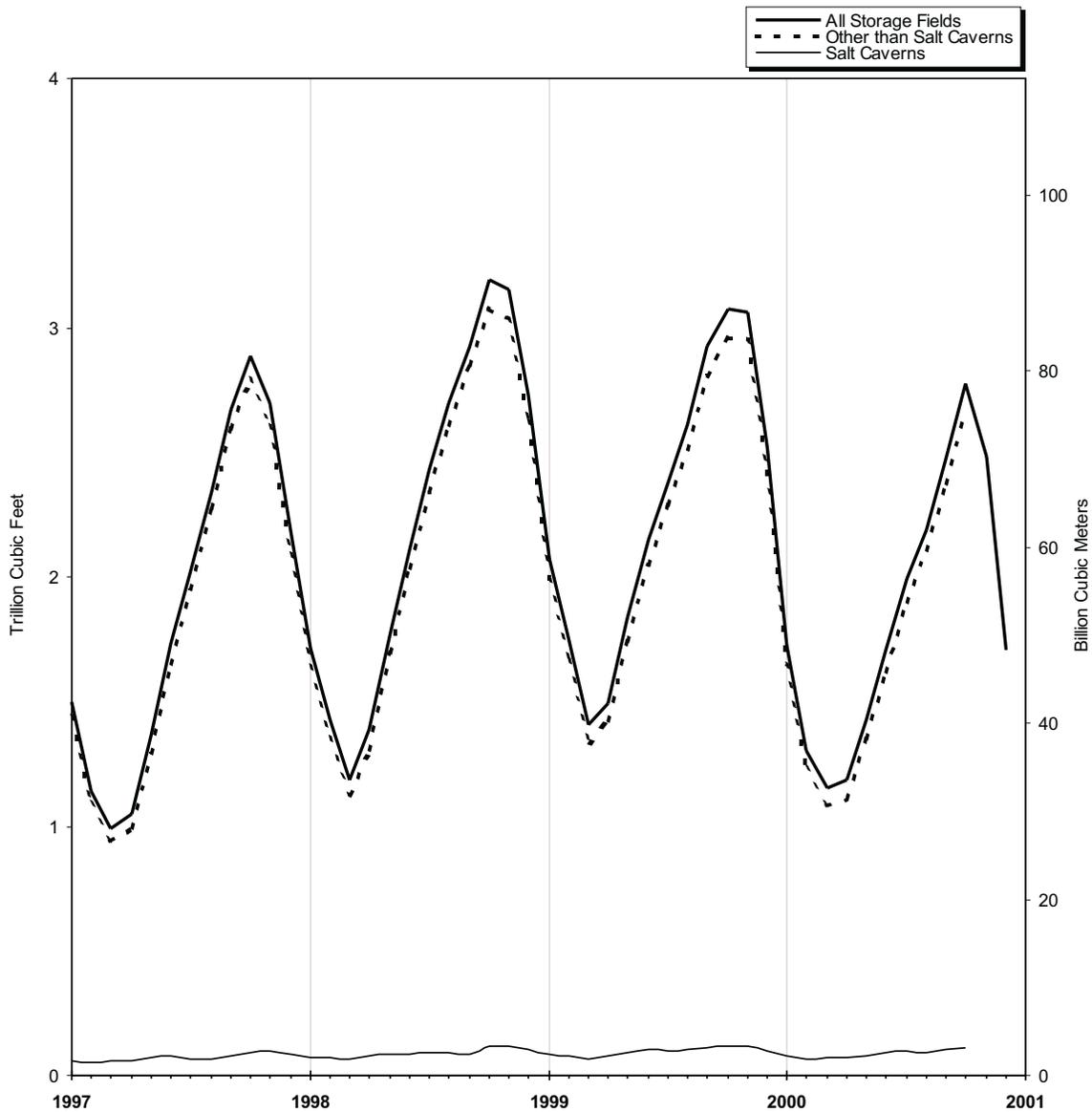
NA Not Available.

— Not Applicable.

Notes: Data for 1994 through 1999 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 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. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

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

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1997-2000



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

Table 10. Underground Natural Gas Storage - by Season, 1998-2001
(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
March 1998	4,342	1,183	5,524	192	19.4	136	382	246
1998 Refill Season								
April	4,339	1,386	5,725	334	31.9	280	80	-200
May	4,341	1,774	6,114	407	29.9	433	42	-391
June	4,335	2,114	6,449	381	22.1	379	52	-327
July	4,378	2,428	6,806	409	20.4	371	54	-317
August	4,340	2,698	7,038	358	15.4	336	58	-278
September	4,341	2,928	7,269	253	9.6	298	74	-224
October	4,342	3,191	7,533	302	10.6	308	46	-262
Total	—	—	—	—	—	2,405	407	-1,998
1998-1999 Heating Season								
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
Total	—	—	—	—	—	428	2,137	1,709
1999 Refill Season								
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
Total	—	—	—	—	—	2,154	511	-1,643
1999-2000 Heating Season								
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	494	2,465	1,971
2000 Refill Season								
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	^b 4,279	^b 2,774	7,053	-300	-9.8	313	87	-227
Total	—	—	—	—	—	^R 2,158	^R 625	^R -1,533
2000-2001 Heating Season								
November(STIFS)	^{RE} 4,279	^{RE} 2,481	^{RE} 6,760	^{RE} -585	^{RE} -19.1	NA	NA	^E 293
December(STIFS)	^E 4,279	^E 1,710	^E 5,989	^E -814	^E -32.2	NA	NA	^E 771

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

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

^{NA} Not Available.

— Not Applicable.

Notes: Data through 1999 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 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.

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

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1994 - 2000
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total^a	44	70	113	—	—	142	123	-19
1995 Total^a	60	72	131	2	2.9	194	200	5
1996 Total^a	64	85	149	14	18.8	258	246	-13
1997 Total^a	67	83	150	-4	-3.0	267	274	6
1998								
January	67	69	136	10	21.6	18	31	13
February	66	69	135	18	39.1	18	21	3
March	68	64	131	8	13.8	23	29	6
April	68	80	149	22	38.7	30	12	-18
May	68	83	151	9	12.9	26	23	-3
June	66	83	149	3	4.1	21	23	2
July	66	91	157	25	38.0	26	18	-8
August	66	92	158	25	38.8	24	22	-2
September	67	83	151	5	7.4	24	33	9
October	67	116	183	22	24.4	45	12	-33
November	68	119	186	23	24.5	23	18	-5
December	67	104	171	21	26.0	18	33	15
Total	—	—	—	—	—	297	275	-22
1999								
January	67	82	149	13	18.2	19	39	19
February	67	77	144	8	12.0	16	21	5
March	67	68	135	4	6.6	18	26	8
April	67	78	145	-3	-3.2	28	19	-9
May	67	94	161	12	14.2	29	12	-17
June	65	102	167	19	22.5	22	16	-6
July	65	96	161	5	5.5	16	25	8
August	66	102	168	10	10.7	23	16	-8
September	67	112	179	28	34.0	24	13	-10
October	67	115	182	-1	-0.6	23	21	-2
November	67	116	184	-2	-1.7	21	17	-4
December	69	100	169	-4	-4.0	19	35	16
Total	—	—	—	—	—	260	259	-1
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4
April	70	74	144	-3	-3.8	24	19	-5
May	70	77	147	-17	-17.9	27	24	-3
June	70	89	160	-13	-12.6	28	15	-12
July	72	97	168	3	2.7	30	21	-9
August	72	88	161	-14	-13.5	21	30	9
September	72	101	172	-11	-9.9	30	18	-12
October	72	109	181	-6	-5.1	29	20	-9

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1994 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

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

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1994-2000

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1994 Total^a	4,317	2,536	6,853	—	—	2,654	2,385	-269
1995 Total^a	4,290	2,082	6,371	-455	-17.9	2,372	2,774	403
1996 Total^a	4,277	2,087	6,364	6	0.3	2,647	2,665	18
1997 Total^a	4,283	2,092	6,375	4	0.2	2,533	2,551	18
1998								
January	4,281	1,643	5,923	203	14.2	51	507	456
February	4,276	1,357	5,633	267	24.5	57	344	287
March	4,274	1,119	5,393	184	19.8	113	353	240
April	4,271	1,306	5,576	312	31.5	250	68	-182
May	4,272	1,691	5,963	398	30.9	407	20	-387
June	4,269	2,030	6,300	378	23.0	358	29	-329
July	4,312	2,337	6,649	385	19.8	345	36	-309
August	4,274	2,606	6,880	332	14.7	312	37	-275
September	4,273	2,844	7,118	247	9.6	274	41	-233
October	4,275	3,076	7,350	280	10.1	263	34	-229
November	4,276	3,036	7,313	430	16.6	114	150	36
December	4,259	2,626	6,884	532	25.5	64	485	421
Total	—	—	—	—	—	2,608	2,103	-504
1999								
January	4,264	1,991	6,255	348	21.2	39	643	604
February	4,262	1,669	5,931	311	22.9	47	364	317
March	4,316	1,338	5,654	219	19.5	69	358	289
April	4,314	1,417	5,731	112	8.6	182	101	-81
May	4,305	1,740	6,045	49	2.9	352	32	-319
June	4,305	2,047	6,352	17	0.8	327	26	-301
July	4,305	2,284	6,588	-46	-2.3	282	56	-226
August	4,302	2,508	6,810	-98	-3.8	288	74	-214
September	4,302	2,811	7,114	-33	-1.2	334	29	-305
October	4,303	2,958	7,261	-117	-3.8	224	71	-153
November	4,313	2,949	7,261	-88	-2.9	151	187	36
December	4,314	2,423	6,738	-202	-7.7	44	571	527
Total	—	—	—	—	—	2,338	2,512	175
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166
April	4,293	1,110	5,403	-326	-22.7	156	126	-30
May	4,285	1,349	5,635	-403	-23.0	280	51	-229
June	4,284	1,617	5,902	-437	-21.3	312	52	-260
July	4,284	1,899	6,183	-397	-17.3	338	56	-282
August	4,283	2,101	6,384	-428	-16.9	275	73	-202
September	4,283	2,372	6,655	-439	-15.6	324	54	-270
October	^b 4,208	^b 2,664	6,872	-294	-9.9	285	67	-218

^a Total as of December 31.

^b Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

— Not Applicable.

Notes: Data for 1994 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the

quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

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

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000
(Volumes in Million Cubic Feet)

State	2000						
	October	September	August	July	June	May	April
Alabama	142	110	0	-82	-594	-90	66
Arkansas	-397	-268	-680	-649	-444	-698	-287
California	-10,226	-1,265	19,352	445	-6,789	-10,967	-19,885
Colorado	-1,948	-2,199	-4,786	-4,625	-4,611	-751	1,382
Illinois	-34,383	-31,497	-28,597	-28,764	-33,160	-13,295	13,190
Indiana	-4,337	-3,365	-2,742	-2,234	-1,939	-258	1,350
Iowa	-13,491	-12,835	-11,670	-10,921	-5,856	-4,399	1,706
Kansas	-18,798	-16,291	-987	-9,930	-9,788	-6,106	2,275
Kentucky	-8,493	-10,337	-6,477	-10,659	-6,185	-4,062	3,470
Louisiana	-18,447	-15,935	-12,898	-23,151	-22,366	-4,878	9,828
Maryland	-285	-44	-2,244	-2,002	-2,999	-2,480	-633
Michigan	-37,724	-46,403	-52,904	-49,908	-45,556	-48,446	-6,666
Minnesota	-199	-266	-272	-343	-131	2	116
Mississippi	-4,385	-4,631	-3,417	-5,252	-5,226	-4,057	527
Missouri	-353	-711	215	17	20	-25	103
Montana	49	-957	-2,261	-2,039	-456	522	621
Nebraska	-504	-764	225	-620	1,077	-78	-92
New Mexico	-906	-50	1,041	800	-794	-469	-2,587
New York	-4,037	-7,910	-7,494	-10,087	-9,999	-8,663	-2,854
Ohio	-10,000	-23,629	-24,973	-33,090	-21,527	-28,909	-5,163
Oklahoma	-9,297	-14,618	1,344	-2,413	-9,952	-9,562	-5,856
Oregon	143	0	-2,017	-2,209	-2,043	-869	783
Pennsylvania	-26,478	-47,291	-32,838	-52,073	-42,668	-52,902	-7,196
Tennessee	-114	0	0	0	0	0	18
Texas	-13,107	-8,249	13,808	-1,272	-7,124	-2,892	-10,396
Utah	1,050	-5,510	-6,540	-6,654	-5,712	-5,531	-4,447
Virginia	-245	-201	-212	-214	-214	-278	-114
Washington	1,188	-2,835	909	-3,739	-3,660	-2,639	-893
West Virginia	-11,536	-23,871	-25,345	-28,215	-22,374	-18,051	-4,487
Wyoming	341	-360	-897	-517	-1,168	-1,590	507
AGA Regions							
Producing	-65,338	-60,041	-1,789	-41,867	-55,693	-28,663	-6,496
Eastern Consuming	-151,834	-208,748	-195,056	-228,850	-191,974	-181,936	-7,304
Western Consuming	-9,603	-13,394	3,486	-19,680	-24,570	-21,823	-21,815
Total	-226,775	-282,183	-193,359	-290,397	-272,238	-232,422	-35,615

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000
(Volumes in Million Cubic Feet) — Continued

Table 13

State	2000			1999			
	March	February	January	Total	December	November	October
Alabama	-8	-307	916	-164	189	-134	77
Arkansas	997	1,228	1,722	233	1,276	423	-219
California	-3,144	21,871	27,322	8,194	24,198	-4,553	-4,598
Colorado	6,707	3,627	6,198	-1,502	5,058	-902	-2,450
Illinois	8,776	34,403	59,032	-2,715	42,415	2,345	-31,518
Indiana	2,031	1,448	7,049	-244	4,419	-2,227	-3,862
Iowa	5,207	11,385	21,126	2,445	21,305	1,096	-10,941
Kansas	11,548	9,643	25,461	15,568	22,458	873	-1,078
Kentucky	6,759	10,109	21,162	2,725	10,737	2,295	-1,066
Louisiana	19,976	38,771	52,444	9,530	39,997	6,656	-11,735
Maryland	-65	3,384	5,481	-63	1,420	460	-3,376
Michigan	44,807	80,436	162,410	32,938	105,683	6,548	-24,215
Minnesota	301	298	401	-253	147	-128	-175
Mississippi	-1,228	-595	11,377	14,502	9,530	-2,778	1,041
Missouri	-98	-548	1,122	-567	340	-174	-205
Montana	2,164	3,191	4,177	7,884	2,618	1,154	493
Nebraska	42	1,313	1,019	473	557	-252	-440
New Mexico	208	1,034	1,032	-2,289	814	-1,202	-259
New York	6,360	13,702	18,533	7,825	12,574	1,488	-948
Ohio	24,219	36,569	58,844	16,019	44,624	8,737	-9,815
Oklahoma	2,165	36,526	45,987	-6,703	19,463	-2,807	-11,571
Oregon	1,766	1,566	2,088	-589	1,350	-593	0
Pennsylvania	11,168	66,917	111,718	23,197	69,287	4,253	-19,029
Tennessee	63	63	175	-34	164	56	-57
Texas	-9,237	34,595	54,376	5,985	38,524	-652	-12,103
Utah	3,012	7,585	10,093	9,193	12,584	957	-1,889
Virginia	32	105	695	92	455	181	-109
Washington	1,485	2,566	7,755	-1,213	1,577	-152	-1,462
West Virginia	14,440	30,334	57,742	34,622	46,561	10,665	-3,320
Wyoming	1,332	2,373	2,935	-1,063	2,359	539	-307
AGA Regions							
Producing	24,430	121,202	192,398	36,826	132,062	515	-35,924
Eastern Consuming	123,733	289,313	527,024	116,549	360,730	35,337	-108,825
Western Consuming	13,622	43,076	60,969	20,650	49,889	-3,678	-10,388
Total	161,785	453,592	780,391	174,025	542,681	32,174	-155,137

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000

(Volumes in Million Cubic Feet) — Continued

State	1999						
	September	August	July	June	May	April	March
Alabama	-402	-81	-235	-210	-471	-137	312
Arkansas	-237	-901	-1,116	-1,086	-1,045	-667	690
California	-9,527	3,398	-10,930	-20,225	-26,494	-255	10,391
Colorado	-4,903	-5,456	-6,717	-5,545	-330	8,833	3,294
Illinois	-38,163	-32,748	-25,990	-25,952	-25,941	10,812	26,392
Indiana	-4,404	-2,939	-1,815	-1,755	-839	915	3,698
Iowa	-13,108	-11,316	-10,783	-6,837	-4,596	86	5,170
Kansas	-14,542	-9,853	-3,081	-17,117	-12,184	5,000	13,750
Kentucky	-9,932	-1,223	-3,733	-9,995	-8,182	-2,234	6,054
Louisiana	-32,398	-3,887	-3,692	-20,249	-22,462	-15,120	10,038
Maryland	-1,411	-1,953	1,324	93	-2,551	-666	1,210
Michigan	-49,773	-56,778	-40,734	-50,367	-48,216	-28,170	52,258
Minnesota	-272	-250	-308	-172	0	214	167
Mississippi	-2,219	-1,267	927	-3,757	-5,165	-2,483	6,806
Missouri	-408	-64	6	6	-697	-27	148
Montana	-1,484	-2,544	-1,795	-1,786	-577	1,303	2,380
Nebraska	-1,645	-949	522	-651	-655	1,266	1,447
New Mexico	-2,232	-841	-172	-443	-1,371	1,025	943
New York	-5,728	-6,898	-5,916	-6,912	-9,939	-5,300	10,065
Ohio	-25,793	-28,634	-28,566	-28,724	-34,597	-5,265	34,933
Oklahoma	-15,615	501	-979	-9,663	-13,960	-8,905	8,272
Oregon	-1,546	-1,316	-2,119	-2,018	164	718	1,158
Pennsylvania	-41,496	-35,101	-27,893	-36,043	-46,154	-24,531	45,462
Tennessee	-105	-104	-76	-107	-143	3	80
Texas	-10,456	9,511	-6,126	-21,731	-31,047	-14,800	14,518
Utah	-4,860	-4,582	-7,489	-5,915	-3,772	1,667	5,738
Virginia	-414	-207	-211	-213	-271	-183	318
Washington	-477	-477	-3,748	-1,875	-875	1,763	934
West Virginia	-20,427	-23,063	-23,750	-26,485	-32,055	-14,007	30,268
Wyoming	-1,030	-1,371	-2,294	-1,662	-2,133	-997	348
AGA Regions							
Producing	-77,700	-6,737	-14,239	-74,047	-87,235	-35,949	55,017
Eastern Consuming	-213,208	-202,059	-167,850	-194,151	-215,308	-67,439	217,813
Western Consuming	-24,100	-12,599	-35,399	-39,197	-34,017	13,246	24,411
Total	-315,007	-221,395	-217,488	-307,395	-336,560	-90,142	297,241

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1998-2000
(Volumes in Million Cubic Feet) — Continued

State	1999		1998			
	February	January	Total	December	November	October
Alabama	114	813	-447	139	-1	-613
Arkansas	1,049	2,066	-1,774	1,245	63	-580
California	21,751	25,038	-40,969	30,486	-14,022	-23,861
Colorado	3,659	3,957	-5,072	7,324	-1,757	-2,045
Illinois	39,761	55,871	-9,780	42,407	9,311	-30,361
Indiana	2,958	5,608	-921	4,063	-2,296	-2,901
Iowa	11,814	20,553	-2,954	20,920	-178	-7,251
Kansas	9,144	22,198	-18,691	14,533	3,580	-8,545
Kentucky	7,798	12,207	-11,700	10,352	1,731	-5,424
Louisiana	15,818	46,564	-82,860	38,463	1,355	-36,341
Maryland	1,984	3,403	-876	1,882	29	-1,312
Michigan	56,494	110,210	-74,840	60,982	18,759	-27,000
Minnesota	238	287	372	438	-84	-187
Mississippi	3,311	10,556	-10,185	5,464	702	-10,304
Missouri	342	167	173	573	-204	-208
Montana	3,330	4,792	-400	3,962	2,606	-1,532
Nebraska	500	772	1,466	1,336	625	-308
New Mexico	83	1,365	-6,479	-619	-1,243	-1,903
New York	9,840	15,499	-10,656	6,889	1,047	-4,424
Ohio	34,280	54,840	-26,672	35,491	7,882	-12,789
Oklahoma	-2,335	30,896	-48,008	24,711	106	-19,358
Oregon	1,679	1,934	-1,278	1,329	49	9
Pennsylvania	49,624	84,818	-40,009	46,685	858	-20,516
Tennessee	131	124	-62	131	-2	-103
Texas	6	40,340	-102,117	36,724	-2,512	-34,274
Utah	6,185	10,569	676	6,533	2,087	-1,821
Virginia	440	308	-510	371	47	-204
Washington	3,064	514	-539	3,223	-732	718
West Virginia	36,277	53,957	-28,267	27,238	3,983	-6,935
Wyoming	2,037	3,448	-2,719	2,677	-590	-1,425
AGA Regions						
Producing	27,076	153,986	-270,114	120,522	2,052	-111,305
Eastern Consuming	252,359	419,150	-206,056	259,459	41,592	-120,349
Western Consuming	41,943	50,539	-49,929	55,973	-12,444	-30,145
Total	321,378	623,676	-526,099	435,953	31,200	-261,799

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 1999 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by

region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

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

Table 14. Activities of Underground Natural Gas Storage Operators, by State, October 2000

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	3,280	1,190	1,638	2,828	-196	-10.7	42	184
Arkansas	24,191	8,715	6,822	15,537	-2,139	-23.9	476	78
California	388,370	246,825	152,283	399,108	-35,159	-18.8	14,250	4,025
Colorado	99,600	48,255	37,323	85,578	-2,980	-7.4	3,328	1,380
Illinois	898,565	675,870	240,401	916,271	2,452	1.0	37,048	2,665
Indiana	113,210	73,873	33,943	107,816	601	1.8	4,428	92
Iowa	273,200	196,700	66,469	263,169	1,319	2.0	14,433	941
Kansas	301,102	179,110	90,442	269,552	-10,086	-10.0	20,728	1,931
Kentucky	219,908	109,307	96,504	205,811	-7,383	-7.1	9,187	695
Louisiana	564,062	271,645	177,093	448,738	-77,992	-30.6	26,815	8,368
Maryland	62,000	46,677	14,776	61,454	-17	-0.1	504	220
Michigan	1,071,699	393,382	585,651	979,033	13,719	2.4	46,406	8,682
Minnesota	7,000	4,623	2,277	6,900	76	3.4	199	0
Mississippi	134,012	76,873	54,567	131,440	10,457	23.7	8,124	3,739
Missouri	31,274	21,600	10,088	31,688	91	0.9	362	9
Montana	371,510	167,346	33,376	200,722	-8,781	-20.8	1,561	1,609
Nebraska	39,469	29,082	4,473	33,555	587	15.1	629	126
New Mexico	96,600	29,766	9,023	38,788	116	1.3	1,466	560
New York	175,129	96,195	75,058	171,253	5,045	7.2	5,804	1,767
Ohio	575,384	350,678	177,177	527,855	-13,765	-7.2	14,960	4,960
Oklahoma	394,827	209,389	103,803	313,191	-47,585	-31.4	16,833	7,536
Oregon	11,623	6,834	8,654	15,489	299	3.6	301	444
Pennsylvania	684,842	352,310	360,396	712,706	-4,613	-1.3	36,289	9,811
Tennessee	1,200	340	420	760	-433	-50.8	114	0
Texas	684,226	249,219	194,144	443,362	-95,714	-33.0	32,441	19,334
Utah	121,980	64,595	42,344	106,940	-729	-1.7	2,237	3,287
Virginia	4,669	2,192	2,594	4,785	236	10.0	290	45
Washington	37,300	19,000	16,260	35,260	-1,225	-7.0	732	1,920
West Virginia	733,158	287,141	155,917	443,058	-20,594	-11.7	13,388	1,853
Wyoming	105,869	60,740	19,749	80,489	-5,389	-21.4	112	453
AGA Regions								
Producing	2,199,020	1,024,715	635,894	1,660,609	-222,942	-26.0	106,884	41,546
Eastern Consuming	4,886,987	2,636,538	1,825,504	4,462,042	-22,951	-1.2	183,884	32,050
Western Consuming	1,143,251	618,218	312,266	930,484	-53,888	-14.7	22,720	13,118
Total	8,229,259	4,279,471	2,773,665	7,053,135	-299,781	-9.8	313,489	86,713

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working

gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

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

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				September	August	July
Alabama	33,162	32,265	38,308	1,153	1,126	1,218
Alaska	10,764	11,618	10,230	927	618	474
Arizona	24,542	25,452	28,290	1,028	956	1,053
Arkansas	NA	28,728	29,863	NA	NA	NA
California	364,269	443,064	414,741	24,480	22,101	24,464
Colorado	NA	83,248	82,855	2,717	2,579	3,032
Connecticut	29,532	28,968	26,144	992	622	961
Delaware	7,177	6,892	6,059	172	187	246
District of Columbia	10,898	10,920	10,139	365	346	367
Florida	11,157	10,474	11,448	698	698	738
Georgia	NA	63,558	78,583	4,473	4,045	3,865
Hawaii	408	402	412	41	39	44
Idaho	12,553	12,999	11,398	475	343	430
Illinois	289,733	306,729	280,433	12,372	10,584	9,555
Indiana	NA	109,950	100,054	NA	2,922	2,935
Iowa	47,061	51,731	49,013	1,710	1,410	1,551
Kansas	50,060	52,451	53,308	1,546	1,280	1,697
Kentucky	38,649	40,385	37,925	1,452	1,238	1,078
Louisiana	NA	34,272	38,099	1,678	NA	NA
Maine	NA	644	621	NA	NA	NA
Maryland	56,788	54,376	49,486	2,026	1,921	1,913
Massachusetts	NA	73,218	76,028	NA	NA	NA
Michigan	248,470	255,040	231,746	9,109	7,401	7,668
Minnesota	NA	82,563	74,298	3,273	2,774	2,875
Mississippi	NA	18,660	19,963	NA	669	724
Missouri	75,791	86,452	85,452	2,545	2,706	2,475
Montana	12,576	13,519	12,907	595	381	470
Nebraska	29,326	30,589	31,533	1,053	774	897
Nevada	20,709	21,170	21,795	1,023	909	1,009
New Hampshire	NA	4,956	4,668	NA	NA	249
New Jersey	NA	158,027	145,433	NA	NA	NA
New Mexico	NA	22,923	23,854	1,214	983	NA
New York	NA	278,405	252,257	NA	NA	NA
North Carolina	43,730	40,320	39,773	1,072	1,030	1,025
North Dakota	NA	7,667	7,174	255	227	212
Ohio	222,565	226,679	206,816	7,550	6,712	7,200
Oklahoma	NA	48,648	53,020	NA	NA	1,586
Oregon	27,497	28,448	24,238	982	806	1,003
Pennsylvania	NA	175,143	156,793	NA	5,026	NA
Rhode Island	17,783	12,947	12,524	506	451	482
South Carolina	19,996	19,043	20,311	536	468	494
South Dakota	8,013	8,613	8,287	277	243	248
Tennessee	NA	45,329	45,499	1,213	1,102	1,208
Texas	NA	134,835	150,898	5,631	NA	NA
Utah	33,770	36,972	36,706	2,415	1,444	1,492
Vermont	2,133	1,936	1,851	72	62	70
Virginia	52,485	49,686	45,418	1,685	1,468	1,654
Washington	49,983	51,340	46,789	1,997	1,593	1,971
West Virginia	NA	23,329	21,598	600	536	521
Wisconsin	85,200	86,462	79,155	3,580	2,896	2,699
Wyoming	NA	8,918	9,079	387	NA	315
Total	3,382,926	3,460,963	3,303,273	139,860	121,828	130,751

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000					
	June	May	April	March	February	January
Alabama	1,351	2,267	3,391	4,694	9,492	8,470
Alaska	645	864	1,233	1,764	1,885	2,354
Arizona	1,245	1,596	2,814	4,430	4,618	6,804
Arkansas	NA	NA	NA	NA	NA	NA
California	27,655	31,747	39,017	62,814	65,301	66,689
Colorado	4,125	6,365	NA	13,648	16,327	18,989
Connecticut	1,270	2,244	3,216	5,018	7,692	7,516
Delaware	294	655	985	1,178	1,661	1,800
District of Columbia	470	717	1,232	1,691	3,013	2,698
Florida	836	973	1,140	1,631	2,360	2,084
Georgia	NA	4,803	8,727	11,080	17,688	26,740
Hawaii	45	47	46	48	49	48
Idaho	621	892	1,663	2,210	2,602	3,317
Illinois	12,058	15,622	35,416	45,616	63,987	84,522
Indiana	3,693	6,240	12,785	16,324	25,796	30,851
Iowa	1,611	2,658	5,392	7,679	10,990	14,061
Kansas	1,917	3,099	5,994	8,529	12,303	13,693
Kentucky	1,131	1,424	4,135	6,224	8,287	13,682
Louisiana	1,798	1,986	3,693	4,355	7,622	8,400
Maine	NA	NA	89	123	133	202
Maryland	2,233	3,313	6,430	8,673	14,316	15,964
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	9,582	18,230	32,413	42,048	58,759	63,259
Minnesota	3,369	4,940	9,700	12,806	NA	NA
Mississippi	805	1,147	NA	2,481	4,931	5,121
Missouri	2,178	4,816	9,181	12,838	17,895	21,157
Montana	590	947	1,514	2,231	2,729	3,119
Nebraska	977	1,426	4,515	5,735	6,728	7,223
Nevada	1,184	1,568	2,027	3,711	3,861	5,416
New Hampshire	293	451	641	938	1,274	1,229
New Jersey	6,198	11,007	17,683	25,174	37,760	37,980
New Mexico	1,646	1,163	3,438	3,447	4,437	5,183
New York	NA	NA	NA	NA	NA	NA
North Carolina	1,510	2,265	4,531	7,685	13,396	11,216
North Dakota	333	502	929	1,323	1,698	NA
Ohio	7,670	13,488	27,892	37,454	52,516	62,083
Oklahoma	1,821	2,683	5,193	7,170	11,476	11,008
Oregon	1,537	2,322	3,493	5,032	5,678	6,643
Pennsylvania	NA	NA	NA	29,809	NA	48,155
Rhode Island	715	1,279	1,812	2,581	7,100	2,857
South Carolina	576	1,140	1,917	2,877	6,438	5,552
South Dakota	333	573	1,059	1,360	1,772	2,149
Tennessee	NA	2,544	4,625	6,488	12,515	14,395
Texas	6,864	8,138	14,250	17,287	31,342	56,893
Utah	1,494	1,809	2,967	6,792	7,038	8,319
Vermont	110	179	268	396	510	465
Virginia	1,898	3,000	5,637	8,520	13,778	14,846
Washington	3,039	4,523	6,483	8,965	10,074	11,338
West Virginia	749	1,902	2,496	NA	6,316	5,319
Wisconsin	2,658	5,018	11,182	13,084	18,644	25,439
Wyoming	407	658	1,227	1,441	1,666	1,661
Total	151,213	225,805	394,994	550,548	775,760	892,167

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	Total	December	November	October	September	August
Alabama	42,647	5,754	3,069	1,560	1,185	1,126
Alaska	17,634	2,466	2,127	1,423	870	481
Arizona	32,940	4,642	1,682	1,165	1,006	963
Arkansas	36,245	5,037	1,216	1,264	925	951
California	568,496	65,679	34,488	25,265	24,496	23,376
Colorado	111,748	14,763	8,173	5,565	2,978	2,750
Connecticut	38,364	4,810	3,064	1,522	1,067	858
Delaware	8,862	1,116	576	278	169	168
District of Columbia	14,147	1,714	1,029	484	326	315
Florida	13,797	1,572	1,020	731	702	702
Georgia	98,777	18,610	10,635	5,974	3,794	2,349
Hawaii	524	42	36	44	41	41
Idaho	17,912	2,514	1,530	869	438	360
Illinois	445,217	73,482	38,571	26,435	12,552	9,091
Indiana	151,529	22,735	11,571	7,273	3,238	2,766
Iowa	71,430	10,631	5,602	3,465	1,830	1,231
Kansas	68,146	9,040	3,997	2,658	1,489	1,617
Kentucky	59,220	10,790	5,413	2,631	1,391	1,181
Louisiana	45,104	5,940	2,935	1,958	1,699	1,679
Maine	957	151	93	69	27	25
Maryland	74,848	10,665	6,268	3,540	1,960	1,740
Massachusetts	105,709	16,601	9,964	5,925	3,789	3,327
Michigan	350,735	47,495	29,784	18,416	7,868	6,458
Minnesota	118,938	18,639	10,624	7,112	3,367	2,522
Mississippi	24,562	3,314	1,685	903	733	705
Missouri	112,042	14,535	6,882	4,174	2,743	2,292
Montana	19,676	2,840	1,983	1,335	637	378
Nebraska	40,588	5,137	2,733	2,128	799	1,120
Nevada	28,772	4,396	1,998	1,208	953	921
New Hampshire	6,613	783	549	325	161	141
New Jersey	209,399	22,890	18,160	10,322	5,432	4,800
New Mexico	35,548	6,263	4,083	2,280	1,024	801
New York	370,711	46,142	28,487	17,677	9,962	8,705
North Carolina	52,853	6,912	3,942	1,679	1,034	921
North Dakota	10,573	1,380	869	657	296	191
Ohio	318,214	46,532	27,700	17,303	6,862	6,037
Oklahoma	61,611	7,670	3,185	2,108	1,463	1,445
Oregon	38,564	5,391	3,108	1,617	935	824
Pennsylvania	241,468	34,106	19,812	12,407	5,334	4,817
Rhode Island	16,601	1,736	1,227	691	445	399
South Carolina	25,669	3,799	2,093	734	487	448
South Dakota	11,766	1,628	918	607	300	224
Tennessee	60,561	8,802	4,521	1,909	1,539	1,167
Texas	175,907	22,736	11,193	7,143	6,126	5,569
Utah	55,474	9,614	5,321	3,567	2,285	1,484
Vermont	2,565	293	212	123	58	56
Virginia	69,189	10,575	5,985	2,943	1,497	1,407
Washington	71,704	9,745	6,596	4,024	1,953	1,750
West Virginia	31,403	4,195	2,541	1,339	681	505
Wisconsin	127,607	21,737	11,440	7,969	3,434	2,815
Wyoming	12,106	1,568	903	717	479	231
Total	4,725,672	659,606	371,595	233,508	134,861	116,231

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	1,259	1,357	1,873	3,892	6,393	6,161
Alaska	486	559	939	1,315	2,075	2,223
Arizona	1,065	1,354	2,108	3,374	3,735	5,465
Arkansas	998	1,030	1,640	3,730	5,154	5,257
California	25,727	32,960	40,605	62,128	67,420	77,994
Colorado	3,086	4,680	9,579	10,614	13,479	15,178
Connecticut	1,066	1,249	2,004	3,644	5,814	6,119
Delaware	202	254	498	991	1,577	1,472
District of Columbia	369	399	688	1,270	2,326	2,311
Florida	752	794	911	1,306	1,674	1,522
Georgia	2,216	1,677	1,902	5,469	12,351	14,967
Hawaii	45	43	44	46	44	48
Idaho	429	647	1,247	1,879	2,263	2,640
Illinois	9,971	11,128	15,872	31,267	61,473	61,494
Indiana	2,801	3,457	5,908	13,205	23,341	22,341
Iowa	1,823	1,595	3,078	5,533	9,847	10,639
Kansas	1,479	2,065	3,420	5,935	9,832	10,828
Kentucky	1,165	1,325	1,792	4,081	9,196	8,713
Louisiana	1,792	1,942	2,304	3,832	5,547	6,197
Maine	21	26	40	76	131	133
Maryland	1,905	2,182	3,316	6,158	11,346	11,037
Massachusetts	3,666	4,134	6,524	11,224	17,960	13,197
Michigan	6,936	10,455	16,163	31,738	54,085	52,327
Minnesota	2,243	3,103	4,966	8,559	15,312	17,084
Mississippi	772	798	1,040	2,264	3,458	3,162
Missouri	2,552	3,084	5,311	9,675	16,594	17,979
Montana	518	645	1,380	1,895	2,114	2,495
Nebraska	1,008	1,186	2,361	3,750	5,753	5,991
Nevada	940	1,233	1,843	2,704	3,331	4,309
New Hampshire	152	188	367	672	991	1,036
New Jersey	5,041	6,254	10,520	19,343	32,578	33,726
New Mexico	951	1,117	1,642	2,419	4,413	4,070
New York	9,890	14,898	18,880	35,080	56,954	57,425
North Carolina	1,062	1,312	2,597	5,325	9,427	7,462
North Dakota	225	259	615	965	1,292	1,538
Ohio	6,618	7,969	12,575	26,855	51,346	49,192
Oklahoma	1,659	1,925	3,083	6,234	8,408	9,456
Oregon	852	1,661	2,796	3,948	5,125	5,873
Pennsylvania	4,974	6,529	11,281	21,743	37,573	36,823
Rhode Island	448	557	949	1,702	2,704	2,662
South Carolina	491	569	1,193	2,223	4,369	3,583
South Dakota	274	324	629	1,140	1,486	1,719
Tennessee	1,070	1,428	1,809	4,777	9,699	8,993
Texas	6,286	7,070	8,745	15,422	19,955	23,810
Utah	2,254	1,648	2,663	5,267	5,425	7,725
Vermont	56	77	158	282	374	384
Virginia	1,521	1,602	2,726	5,129	11,382	11,294
Washington	1,958	3,059	4,654	6,858	8,964	9,992
West Virginia	527	657	1,398	2,957	5,443	4,957
Wisconsin	2,669	3,265	5,007	9,040	16,389	16,977
Wyoming	292	506	1,119	1,254	1,346	1,708
Total	126,561	158,235	234,764	420,192	669,270	689,687

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

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

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				September	August	July
Alabama	18,309	20,010	20,326	1,087	1,038	1,097
Alaska	14,527	19,066	18,720	1,278	1,079	1,036
Arizona	24,167	23,641	24,149	1,929	1,894	1,988
Arkansas	NA	21,584	21,535	NA	NA	NA
California	176,093	192,179	200,640	17,718	17,134	16,242
Colorado	42,036	44,773	47,405	1,904	1,846	2,064
Connecticut	34,449	35,686	31,417	2,232	2,329	2,450
Delaware	3,794	4,763	4,269	58	186	196
District of Columbia	13,351	14,123	13,298	894	861	889
Florida	36,591	28,152	28,918	3,571	3,354	3,503
Georgia	NA	31,315	42,750	1,539	1,381	1,359
Hawaii	1,329	1,313	1,320	145	141	146
Idaho	9,068	9,242	8,415	502	414	451
Illinois	132,058	134,467	122,903	7,562	6,730	6,291
Indiana	NA	53,807	52,190	NA	2,519	2,427
Iowa	30,049	32,633	30,359	1,503	1,110	1,443
Kansas	51,542	30,058	32,589	3,917	3,966	4,017
Kentucky	25,671	25,596	22,951	1,263	1,074	1,089
Louisiana	NA	18,614	18,759	1,491	NA	1,566
Maine	NA	1,785	1,707	NA	NA	NA
Maryland	42,654	43,338	42,721	2,569	2,215	2,235
Massachusetts	NA	50,941	70,320	NA	NA	NA
Michigan	130,336	131,825	118,915	6,583	6,066	5,403
Minnesota	NA	61,746	55,441	3,219	3,029	2,944
Mississippi	NA	14,959	16,616	NA	945	981
Missouri	44,400	48,778	48,013	1,862	2,024	2,131
Montana	9,394	8,686	8,842	516	413	478
Nebraska	20,123	21,587	21,724	1,004	960	963
Nevada	18,424	16,792	17,587	1,473	1,455	1,787
New Hampshire	NA	5,295	5,016	NA	NA	NA
New Jersey	NA	125,161	106,326	NA	NA	NA
New Mexico	19,581	19,572	19,599	1,573	1,132	1,299
New York	NA	265,975	252,166	NA	NA	NA
North Carolina	30,680	28,664	28,073	1,698	1,553	1,531
North Dakota	NA	7,311	7,152	330	329	275
Ohio	128,065	122,293	113,100	5,450	5,291	5,372
Oklahoma	NA	30,868	33,922	NA	NA	1,618
Oregon	20,600	21,455	18,396	1,147	1,012	1,079
Pennsylvania	NA	101,859	94,216	NA	4,480	6,173
Rhode Island	9,705	8,828	8,492	484	452	448
South Carolina	15,725	15,258	15,214	1,161	1,101	1,111
South Dakota	6,741	7,081	6,683	293	254	287
Tennessee	NA	39,812	39,898	2,325	1,861	1,937
Texas	NA	126,240	125,005	11,622	NA	NA
Utah	19,748	20,847	20,737	1,301	913	953
Vermont	1,929	1,725	2,138	87	82	81
Virginia	44,084	45,000	42,477	2,663	2,592	2,411
Washington	36,733	36,929	34,423	2,152	1,977	2,154
West Virginia	20,133	19,735	18,099	1,270	1,298	1,168
Wisconsin	54,689	56,835	56,742	2,582	2,525	2,177
Wyoming	NA	7,110	7,171	1,473	NA	641
Total	2,402,956	2,255,312	2,199,846	160,875	159,417	160,876

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	2000					
	June	May	April	March	February	January
Alabama	1,202	1,472	1,989	2,485	4,156	3,783
Alaska	844	1,477	1,688	2,242	2,070	2,812
Arizona	2,144	2,327	2,877	3,496	3,414	4,098
Arkansas	NA	NA	NA	NA	NA	NA
California	15,268	17,080	19,106	23,659	23,459	26,427
Colorado	2,568	3,561	5,941	7,294	8,184	8,673
Connecticut	2,271	3,341	3,783	5,601	7,072	5,370
Delaware	229	354	502	453	874	942
District of Columbia	985	1,347	1,717	2,045	2,274	2,340
Florida	3,580	3,924	4,240	4,580	4,816	5,023
Georgia	NA	1,738	3,152	3,971	6,448	8,848
Hawaii	151	148	146	150	149	153
Idaho	545	672	1,120	1,486	1,722	2,156
Illinois	6,371	8,308	15,383	19,454	27,375	34,585
Indiana	2,740	3,641	6,486	8,474	12,980	14,227
Iowa	1,316	2,561	3,336	4,411	6,245	8,123
Kansas	3,903	4,409	5,658	7,180	8,706	9,786
Kentucky	1,181	1,529	2,569	3,778	6,411	6,775
Louisiana	1,659	1,841	2,249	2,343	3,428	3,465
Maine	NA	NA	104	NA	341	522
Maryland	2,799	3,752	5,006	6,603	8,382	9,093
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	6,852	10,284	16,304	21,785	26,708	30,349
Minnesota	2,934	4,057	7,529	9,700	12,925	NA
Mississippi	992	1,296	1,564	1,889	3,051	4,032
Missouri	2,305	3,115	4,659	7,275	10,534	10,494
Montana	547	773	1,124	1,540	1,850	2,152
Nebraska	1,325	1,536	2,418	3,288	4,106	4,524
Nevada	1,628	1,772	1,975	2,632	2,517	3,184
New Hampshire	NA	NA	728	NA	1,270	1,317
New Jersey	8,210	7,078	18,072	26,757	34,181	31,016
New Mexico	1,965	1,892	1,576	3,042	3,255	3,847
New York	35,054	NA	NA	NA	NA	NA
North Carolina	1,900	1,926	2,972	4,856	7,698	6,545
North Dakota	358	517	1,069	1,191	1,541	NA
Ohio	5,712	8,913	15,017	22,401	28,924	30,984
Oklahoma	1,249	2,001	2,895	3,866	5,725	5,179
Oregon	1,416	1,876	2,372	3,466	3,833	4,399
Pennsylvania	8,570	NA	11,394	16,034	23,489	24,866
Rhode Island	548	738	1,321	1,539	2,137	2,037
South Carolina	1,168	1,356	1,644	2,047	3,190	2,948
South Dakota	334	528	716	1,344	1,367	1,617
Tennessee	NA	2,515	3,885	4,643	8,850	10,255
Texas	11,059	15,377	14,437	16,026	21,581	27,066
Utah	952	1,237	1,990	3,890	3,901	4,611
Vermont	102	161	227	337	428	425
Virginia	2,700	3,429	5,279	6,571	9,058	9,381
Washington	2,707	3,490	4,718	5,867	6,617	7,050
West Virginia	1,303	1,760	2,192	3,372	3,862	3,907
Wisconsin	2,395	3,675	6,681	8,525	11,346	14,784
Wyoming	1,436	1,465	1,940	2,407	2,582	2,413
Total	165,043	203,492	267,177	372,322	441,035	472,721

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	Total	December	November	October	September	August
Alabama	27,586	3,204	2,395	1,972	1,568	1,493
Alaska	27,667	3,427	2,993	2,181	1,517	1,309
Arizona	31,369	3,463	2,307	1,890	1,784	1,679
Arkansas	27,898	3,428	1,614	1,271	1,041	1,519
California	248,028	20,552	17,441	14,529	15,242	18,946
Colorado	59,355	6,894	4,376	3,303	2,274	2,304
Connecticut	47,646	5,312	3,905	2,651	2,559	2,457
Delaware	6,121	649	396	310	183	162
District of Columbia	17,846	1,510	1,304	899	865	844
Florida	36,351	3,140	2,672	2,305	2,426	2,269
Georgia	43,593	6,306	3,754	2,206	1,367	1,397
Hawaii	1,749	147	145	144	144	140
Idaho	12,656	1,672	1,028	675	458	420
Illinois	188,567	27,028	15,092	11,931	6,920	6,153
Indiana	73,691	9,995	5,884	3,958	2,479	2,123
Iowa	44,895	6,411	3,276	2,576	1,625	1,246
Kansas	38,954	4,551	2,395	1,947	1,820	1,905
Kentucky	35,801	5,393	2,938	1,872	1,190	1,168
Louisiana	24,556	2,637	1,773	1,524	1,321	1,496
Maine	2,547	353	223	186	84	79
Maryland	58,159	6,770	4,634	3,361	2,666	2,498
Massachusetts	65,137	6,066	4,814	3,315	2,443	2,622
Michigan	179,383	23,091	14,641	9,794	6,161	5,339
Minnesota	88,078	12,775	7,858	5,682	3,128	2,704
Mississippi	20,209	2,463	1,700	1,086	1,055	1,071
Missouri	63,107	7,676	3,894	2,752	2,368	2,035
Montana	12,094	1,575	1,100	727	426	346
Nebraska	27,586	3,034	1,798	1,166	1,071	787
Nevada	22,747	2,700	1,794	1,425	1,290	1,268
New Hampshire	7,214	901	614	403	227	204
New Jersey	163,760	16,125	13,873	8,601	6,507	5,648
New Mexico	27,271	3,671	2,291	1,569	1,306	1,188
New York	360,763	38,075	30,505	25,633	22,481	23,356
North Carolina	38,019	4,405	2,876	2,074	1,806	1,554
North Dakota	10,026	1,276	814	622	328	252
Ohio	167,974	22,416	14,296	8,568	4,740	4,670
Oklahoma	39,739	4,267	2,442	1,989	1,804	1,715
Oregon	28,562	3,292	2,269	1,494	1,098	990
Pennsylvania	143,296	19,167	13,322	8,907	5,184	4,705
Rhode Island	11,815	1,017	1,308	650	453	334
South Carolina	20,569	2,398	1,682	1,230	1,148	1,067
South Dakota	9,567	1,226	735	521	301	267
Tennessee	52,581	5,891	3,944	2,926	2,485	2,187
Texas	171,715	20,487	13,814	11,172	10,192	11,863
Utah	30,490	4,919	2,723	1,872	1,257	901
Vermont	2,309	247	200	137	77	74
Virginia	61,542	7,710	5,157	3,633	2,681	2,733
Washington	50,846	6,272	4,287	3,246	1,855	1,817
West Virginia	27,306	3,383	2,380	1,803	1,200	1,296
Wisconsin	81,726	12,346	7,079	5,430	2,699	2,522
Wyoming	9,848	1,211	803	710	351	189
Total	3,050,313	362,928	245,559	180,828	137,655	137,312

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	1,500	1,511	1,447	2,155	3,187	3,104
Alaska	1,211	1,324	1,756	1,960	3,197	3,275
Arizona	1,879	2,148	2,500	3,001	3,177	3,591
Arkansas	1,302	1,267	1,498	2,514	3,398	3,515
California	15,908	16,109	20,340	21,207	27,630	26,277
Colorado	2,278	2,962	4,911	5,514	6,732	7,796
Connecticut	2,549	2,605	3,221	3,741	5,855	6,064
Delaware	185	220	355	646	1,015	957
District of Columbia	853	944	1,253	1,982	2,339	2,554
Florida	2,291	2,806	2,974	3,530	4,037	3,817
Georgia	1,395	1,549	2,170	3,186	6,104	6,336
Hawaii	144	143	143	147	142	158
Idaho	425	520	852	1,232	1,531	1,732
Illinois	6,187	5,978	8,307	14,121	24,690	26,369
Indiana	1,626	2,592	3,106	6,204	10,105	10,876
Iowa	1,519	1,406	1,768	3,779	6,211	6,169
Kansas	1,628	1,427	2,061	3,144	4,864	5,447
Kentucky	1,012	1,216	1,694	2,575	5,181	5,011
Louisiana	1,431	1,500	1,637	2,159	2,544	2,801
Maine	77	82	112	199	357	341
Maryland	2,561	2,715	3,382	5,265	7,865	7,687
Massachusetts	2,243	5,006	5,215	9,484	9,984	7,931
Michigan	5,786	6,486	9,356	15,240	26,313	25,764
Minnesota	2,603	2,691	4,012	6,698	11,070	12,556
Mississippi	1,028	1,054	1,215	1,748	2,243	2,251
Missouri	3,013	2,427	3,214	5,187	8,472	9,630
Montana	422	492	902	1,153	1,307	1,542
Nebraska	1,080	1,128	1,617	2,320	3,504	4,265
Nevada	1,270	1,421	1,724	1,998	2,393	2,505
New Hampshire	196	221	381	658	1,026	1,070
New Jersey	6,320	6,643	8,462	15,095	23,610	24,936
New Mexico	1,070	1,226	2,059	2,282	3,273	3,410
New York	22,782	22,888	22,256	27,160	42,820	39,890
North Carolina	1,545	1,655	2,167	3,497	5,456	4,724
North Dakota	268	274	607	887	1,222	1,433
Ohio	4,649	5,476	7,808	15,192	24,220	26,734
Oklahoma	1,737	972	2,311	3,880	4,695	5,772
Oregon	1,134	1,470	2,064	2,714	3,487	3,919
Pennsylvania	4,397	5,083	6,806	12,823	20,321	20,101
Rhode Island	480	525	649	1,084	1,729	1,684
South Carolina	1,120	1,103	1,337	1,720	2,549	2,258
South Dakota	313	437	492	913	1,148	1,341
Tennessee	2,192	2,478	2,509	4,362	6,600	6,528
Texas	9,366	11,721	9,739	12,657	19,282	21,433
Utah	1,090	988	1,856	2,918	3,066	4,195
Vermont	63	87	135	218	320	308
Virginia	2,684	2,643	3,336	5,359	7,845	8,331
Washington	1,969	2,361	3,352	4,762	5,971	6,716
West Virginia	1,112	1,190	1,488	2,284	3,667	3,458
Wisconsin	2,269	2,381	3,158	6,376	10,704	11,113
Wyoming	338	475	902	1,000	1,150	1,220
Total	132,502	144,024	176,618	259,928	389,602	400,895

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 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 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				September	August	July
Alabama	NA	151,325	151,421	14,552	NA	15,230
Alaska	60,385	53,884	56,964	5,030	9,259	7,262
Arizona	18,726	20,700	20,653	2,075	2,086	2,240
Arkansas	NA	107,013	111,417	10,065	NA	NA
California	998,544	793,840	608,571	130,217	154,946	133,321
Colorado	70,294	60,233	65,897	7,189	6,841	6,807
Connecticut	25,464	22,618	24,357	2,371	3,074	2,082
Delaware	19,401	15,158	11,921	1,810	1,568	1,691
District of Columbia	0	0	0	0	0	0
Florida	107,283	105,716	95,813	10,741	12,048	11,615
Georgia	NA	128,201	125,505	3,057	5,556	3,978
Hawaii	400	340	0	40	42	46
Idaho*	23,860	25,047	26,151	2,491	2,220	2,357
Illinois	223,330	223,732	221,541	20,724	20,304	19,658
Indiana	232,315	234,736	213,583	22,899	23,643	22,262
Iowa	74,180	76,188	77,690	7,765	7,425	6,782
Kansas	95,005	76,896	82,995	11,791	13,398	12,270
Kentucky	69,517	68,583	68,619	6,928	6,737	6,438
Louisiana	798,428	647,695	689,607	92,327	107,977	82,213
Maine	NA	1,775	1,643	NA	NA	NA
Maryland	33,535	30,859	28,212	3,668	3,914	3,936
Massachusetts	NA	117,598	92,087	NA	NA	NA
Michigan	228,206	219,218	211,884	19,853	19,628	19,381
Minnesota	75,591	78,848	77,295	8,599	6,905	6,447
Mississippi	NA	88,402	59,141	NA	5,966	7,709
Missouri	50,110	45,588	49,007	3,438	5,530	5,023
Montana	15,614	17,036	15,449	1,350	1,136	1,210
Nebraska	33,795	36,191	42,730	5,555	2,902	5,701
Nevada	32,726	25,186	20,063	4,387	4,750	3,178
New Hampshire	NA	4,534	4,309	NA	NA	NA
New Jersey	NA	154,548	154,741	NA	NA	NA
New Mexico	20,718	19,349	18,451	2,678	2,678	2,289
New York	NA	223,822	199,806	32,791	NA	25,917
North Carolina	87,252	79,574	80,182	7,996	8,796	8,298
North Dakota	11,498	13,323	15,761	1,209	1,228	578
Ohio	243,640	244,341	246,620	22,828	22,658	22,456
Oklahoma	NA	137,491	153,642	NA	NA	12,240
Oregon	79,720	77,379	75,393	8,621	8,363	8,215
Pennsylvania	191,400	179,453	172,853	17,958	18,668	18,841
Rhode Island	33,175	41,336	31,300	2,165	2,276	3,166
South Carolina	74,642	75,053	75,753	7,041	7,992	7,562
South Dakota	4,485	3,688	4,160	605	735	561
Tennessee	NA	109,830	105,905	11,181	11,399	10,871
Texas	NA	1,388,217	1,457,476	142,883	NA	NA
Utah	30,481	29,830	34,672	2,825	3,013	3,042
Vermont	2,934	2,014	1,543	370	310	321
Virginia	NA	74,134	68,305	6,806	6,795	8,866
Washington	101,283	85,526	101,575	13,607	13,817	11,939
West Virginia	31,379	32,882	37,828	3,405	3,451	3,069
Wisconsin	112,805	105,644	102,353	10,487	10,438	9,405
Wyoming	NA	27,777	41,017	1,729	NA	1,529
Total	6,908,792	6,582,352	6,433,860	726,934	798,228	745,453

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	2000					
	June	May	April	March	February	January
Alabama	16,075	17,293	16,866	18,233	17,653	17,947
Alaska	6,129	5,172	6,766	7,192	6,390	7,185
Arizona	2,122	2,183	1,690	2,173	2,076	2,081
Arkansas	NA	NA	NA	NA	NA	NA
California	122,049	107,156	82,233	86,700	86,174	95,749
Colorado	7,519	7,470	8,403	8,225	9,012	8,828
Connecticut	2,414	2,135	2,851	3,619	3,437	3,481
Delaware	2,072	2,315	2,561	2,675	2,254	2,455
District of Columbia	0	0	0	0	0	0
Florida	11,690	12,631	12,521	12,666	11,187	12,183
Georgia	NA	4,310	3,678	4,028	4,494	4,600
Hawaii	46	47	44	46	45	44
Idaho ^a	2,532	2,656	2,681	2,904	2,883	3,135
Illinois	20,306	22,174	24,982	29,119	31,511	34,552
Indiana	22,958	24,205	25,123	28,207	29,449	33,569
Iowa	7,808	7,124	8,386	8,914	9,865	10,110
Kansas	10,660	9,466	8,715	9,141	9,069	10,494
Kentucky	6,704	6,870	8,372	8,359	9,248	9,863
Louisiana	78,026	87,937	82,322	87,213	85,238	95,174
Maine	NA	NA	335	315	356	327
Maryland	3,643	3,669	3,533	3,956	3,448	3,767
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	21,784	25,697	28,316	31,364	30,858	31,324
Minnesota	9,876	4,967	8,500	8,894	10,977	10,425
Mississippi	7,846	9,219	9,977	10,496	10,107	9,108
Missouri	5,373	5,155	5,468	6,620	6,938	6,565
Montana	1,498	1,460	2,040	2,223	2,555	2,142
Nebraska	3,569	2,766	3,148	3,343	3,438	3,373
Nevada	3,555	4,344	3,906	2,904	2,878	2,824
New Hampshire	NA	NA	446	NA	421	453
New Jersey	16,243	17,237	16,281	16,889	18,009	18,181
New Mexico	2,136	2,014	2,131	2,701	1,929	2,161
New York	26,934	27,880	NA	NA	28,916	24,539
North Carolina	8,644	9,567	9,329	11,298	10,971	12,354
North Dakota	1,960	1,010	1,918	1,242	1,186	1,169
Ohio	23,210	25,314	28,145	30,732	32,879	35,417
Oklahoma	14,692	11,224	11,736	11,505	12,730	12,894
Oregon	8,263	8,195	9,181	9,176	9,451	10,256
Pennsylvania	19,655	18,868	22,194	25,628	25,178	24,411
Rhode Island	2,866	3,489	4,147	4,005	4,993	6,068
South Carolina	7,262	8,814	9,128	9,720	8,630	8,493
South Dakota	497	341	391	410	474	471
Tennessee	NA	10,777	11,641	11,373	12,515	11,982
Texas	182,767	184,646	174,529	136,980	164,715	121,072
Utah	3,037	3,657	3,614	3,861	3,661	3,771
Vermont	331	303	353	350	357	240
Virginia	8,988	7,353	NA	7,136	9,755	7,257
Washington	6,808	10,201	9,417	11,412	11,367	12,715
West Virginia	3,290	3,498	3,484	2,884	4,016	4,282
Wisconsin	9,914	10,637	13,077	14,675	16,048	18,124
Wyoming	1,925	3,243	3,878	3,431	3,966	3,775
Total	758,769	766,567	761,841	767,171	797,751	786,078

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

Table 17

State	1999					
	Total	December	November	October	September	August
Alabama	204,263	18,145	17,486	17,306	16,369	16,836
Alaska	74,224	6,892	6,851	6,597	4,720	4,766
Arizona	27,032	2,328	2,060	1,944	2,163	2,337
Arkansas	145,140	13,359	12,449	12,318	11,766	12,364
California	1,109,359	88,595	100,462	126,462	116,319	112,762
Colorado	80,747	7,483	7,422	5,609	6,686	7,095
Connecticut	32,039	3,562	3,190	2,668	2,286	2,319
Delaware	21,075	2,289	1,768	1,860	1,752	1,377
District of Columbia	0	0	0	0	0	0
Florida	140,740	11,568	11,406	12,052	10,958	12,557
Georgia	159,851	13,605	9,383	8,662	10,307	7,383
Hawaii	463	42	42	39	39	41
Idaho *	33,846	3,034	2,822	2,942	2,736	2,174
Illinois	306,110	31,246	26,662	24,469	21,587	21,315
Indiana	319,890	30,943	26,729	27,481	24,211	23,515
Iowa	101,940	8,824	8,702	8,225	7,503	7,342
Kansas	97,469	8,512	6,304	5,757	7,936	10,909
Kentucky	93,814	8,881	8,346	8,005	7,002	6,739
Louisiana	875,878	78,766	74,101	75,316	68,542	71,058
Maine	2,550	281	214	279	203	210
Maryland	42,190	4,157	3,485	3,688	3,352	3,546
Massachusetts	157,579	15,463	12,796	11,722	12,815	13,848
Michigan	301,326	30,250	29,053	22,804	20,012	19,390
Minnesota	104,187	9,692	7,866	7,781	7,065	9,142
Mississippi	120,201	11,166	10,477	10,156	9,164	9,181
Missouri	64,856	7,635	6,558	5,076	4,768	4,895
Montana	23,036	2,321	2,034	1,645	1,302	1,323
Nebraska	45,750	2,770	2,740	4,048	4,540	4,507
Nevada	34,075	3,276	2,719	2,894	2,867	2,814
New Hampshire	5,912	413	376	589	480	497
New Jersey	206,898	18,483	17,039	16,828	15,629	12,124
New Mexico	26,430	3,290	2,049	1,742	1,836	2,235
New York	296,358	24,949	24,765	22,822	23,482	26,782
North Carolina	108,835	11,910	9,429	7,922	8,309	9,414
North Dakota	17,561	1,418	1,504	1,316	1,321	1,152
Ohio	330,931	31,093	28,540	26,956	24,373	23,720
Oklahoma	177,811	13,570	13,834	12,916	15,752	14,202
Oregon	107,984	10,596	10,610	9,399	8,295	8,567
Pennsylvania	240,622	22,267	20,355	18,547	17,773	18,510
Rhode Island	55,517	5,183	4,712	4,285	3,945	4,260
South Carolina	102,681	9,398	9,250	8,979	8,089	7,940
South Dakota	5,043	443	446	466	306	437
Tennessee	144,639	11,169	11,191	12,449	13,255	10,998
Texas	1,952,400	201,874	183,878	178,431	199,757	177,095
Utah	40,859	3,844	3,615	3,569	3,182	3,171
Vermont	2,901	337	281	269	188	180
Virginia	101,368	15,247	6,036	5,951	8,304	11,052
Washington	126,799	14,480	11,950	14,843	10,774	10,106
West Virginia	44,857	4,370	3,842	3,763	3,508	3,675
Wisconsin	146,428	15,881	12,576	12,327	10,188	9,485
Wyoming	38,475	3,536	4,173	2,990	4,570	2,941
Total	9,000,936	848,837	784,578	785,169	772,288	750,291

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	16,613	15,815	15,861	16,970	19,179	16,381
Alaska	6,906	5,901	6,294	6,220	6,692	5,783
Arizona	2,405	1,959	2,393	2,548	2,239	2,294
Arkansas	10,938	11,792	11,386	11,686	12,534	11,512
California	106,641	84,352	79,127	72,281	62,565	80,380
Colorado	6,518	6,012	6,642	8,355	6,657	7,336
Connecticut	2,252	2,038	2,427	2,497	2,792	2,950
Delaware	1,423	1,441	1,771	1,746	1,923	1,854
District of Columbia	0	0	0	0	0	0
Florida	12,219	11,499	11,727	12,377	12,656	10,523
Georgia	9,348	11,799	11,917	12,827	22,345	20,743
Hawaii	40	43	35	38	39	33
Idaho ^a	2,451	2,529	2,887	3,169	3,216	3,082
Illinois	21,224	20,823	21,043	25,348	29,478	29,227
Indiana	23,414	23,285	23,740	25,939	30,832	27,414
Iowa	7,115	6,903	8,234	8,481	9,462	9,446
Kansas	9,566	7,776	7,537	7,943	8,223	7,502
Kentucky	6,449	6,553	7,143	7,669	9,363	8,261
Louisiana	72,645	72,553	73,478	71,764	74,345	66,866
Maine	191	191	207	165	192	138
Maryland	3,353	2,911	3,212	3,285	4,494	3,569
Massachusetts	13,291	11,393	12,331	13,982	14,097	12,931
Michigan	20,937	21,376	23,826	25,926	29,455	28,052
Minnesota	7,595	7,437	7,409	8,485	9,714	11,154
Mississippi	9,403	9,540	10,033	9,987	11,057	9,462
Missouri	4,828	4,883	4,713	5,492	5,228	3,984
Montana	1,290	1,690	1,963	2,115	2,168	2,548
Nebraska	6,275	3,027	2,823	3,343	3,408	3,602
Nevada	2,569	2,640	2,885	2,703	2,885	2,737
New Hampshire	470	471	523	578	505	484
New Jersey	15,714	15,851	16,288	18,427	20,082	19,579
New Mexico	2,110	2,254	2,230	2,297	2,147	2,178
New York	24,756	20,114	26,776	24,085	26,706	25,285
North Carolina	8,979	8,390	8,284	8,198	9,999	8,766
North Dakota	1,171	1,282	1,380	1,498	2,064	1,902
Ohio	22,812	23,079	24,848	28,408	32,234	31,576
Oklahoma	14,507	15,461	14,105	16,405	14,628	16,020
Oregon	8,001	7,854	8,209	8,915	9,560	8,586
Pennsylvania	18,160	17,754	18,322	20,556	23,567	22,762
Rhode Island	4,715	4,867	5,420	5,089	3,273	4,570
South Carolina	7,798	7,716	8,152	8,494	9,610	8,244
South Dakota	419	283	347	447	440	464
Tennessee	12,447	10,846	11,652	11,784	12,539	12,518
Texas	132,753	144,748	145,081	143,072	139,288	146,577
Utah	3,191	2,339	3,412	3,799	3,708	3,339
Vermont	178	161	197	250	310	322
Virginia	10,412	8,658	7,818	8,428	7,558	6,443
Washington	9,052	7,541	8,311	9,897	9,714	9,222
West Virginia	3,419	3,303	3,513	3,558	4,022	3,739
Wisconsin	9,062	9,128	9,933	11,875	14,566	14,211
Wyoming	3,125	2,377	2,398	3,149	3,517	2,677
Total	701,149	672,639	690,245	712,548	747,274	739,226

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^{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 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				September	August	July
Alabama	27,954	18,796	23,216	3,127	7,432	6,270
Alaska	25,798	21,671	20,967	2,886	2,831	2,806
Arizona	65,353	37,850	27,444	10,494	14,115	11,503
Arkansas	31,050	34,470	38,335	2,348	5,043	4,640
California	99,588	115,430	207,978	13,645	17,694	15,331
Colorado	24,114	15,055	7,979	3,200	4,289	3,724
Connecticut	5,381	10,063	10,378	598	598	598
Delaware	4,315	17,691	8,086	13	27	17
District of Columbia	0	0	0	0	0	0
Florida	259,798	237,937	217,241	27,766	32,200	32,241
Georgia	20,574	19,213	21,034	1,942	5,019	6,027
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	3,321	36,432	51,977	395	711	728
Indiana	4,902	7,112	8,298	1,206	999	696
Iowa	3,908	4,390	5,479	479	959	619
Kansas	29,342	32,972	31,519	3,627	8,834	5,948
Kentucky	2,992	4,916	5,268	133	464	307
Louisiana	235,639	264,930	254,792	27,583	40,304	34,832
Maine	0	0	0	0	0	0
Maryland	17,070	14,305	11,384	1,309	3,031	2,149
Massachusetts	2,872	7,277	16,007	181	538	298
Michigan	33,039	40,986	37,775	2,784	5,482	2,636
Minnesota	4,594	6,086	6,846	282	1,376	830
Mississippi	76,903	80,247	64,679	6,219	11,721	11,426
Missouri	26,828	17,874	14,771	3,420	8,265	4,512
Montana	158	258	404	5	55	32
Nebraska	4,388	4,270	4,750	577	1,496	910
Nevada	57,062	48,875	45,195	7,972	9,609	7,704
New Hampshire	780	415	124	0	0	0
New Jersey	16,796	29,195	29,024	100	2,619	2,686
New Mexico	32,093	27,658	31,204	2,990	4,911	4,568
New York	81,261	149,550	173,448	6,758	8,745	13,136
North Carolina	9,142	10,413	12,217	736	2,271	1,827
North Dakota	0	0	0	0	0	0
Ohio	5,938	10,155	6,871	341	1,237	605
Oklahoma	138,584	141,561	138,046	18,096	26,706	22,195
Oregon	27,226	13,388	17,984	4,052	4,417	4,787
Pennsylvania	2,463	9,228	6,215	187	382	213
Rhode Island	0	0	15,589	0	0	0
South Carolina	2,707	4,977	5,682	75	650	548
South Dakota	2,643	2,340	2,426	459	809	566
Tennessee	1,767	3,399	6,023	15	184	414
Texas	1,014,132	982,629	1,013,962	119,324	162,320	155,147
Utah	7,729	4,435	4,640	940	1,308	1,172
Vermont	761	242	173	112	160	130
Virginia	14,695	20,772	17,570	563	2,076	1,832
Washington	20,192	2,939	7,657	4,609	5,162	3,991
West Virginia	324	260	284	74	45	26
Wisconsin	9,490	12,341	14,544	685	1,787	1,219
Wyoming	1,225	134	248	236	263	317
Total	2,456,894	2,525,137	2,645,729	282,544	409,144	372,162

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	2000					
	June	May	April	March	February	January
Alabama	4,342	3,697	1,398	237	434	1,017
Alaska	2,707	2,834	2,681	2,904	2,782	3,367
Arizona	8,942	6,878	3,960	2,670	3,126	3,665
Arkansas	3,984	3,892	3,253	3,810	3,374	706
California	13,769	9,891	5,470	8,102	7,506	8,180
Colorado	2,826	2,685	1,176	2,021	2,227	1,968
Connecticut	598	598	598	598	597	597
Delaware	1,127	1,304	485	315	381	646
District of Columbia	0	0	0	0	0	0
Florida	28,450	31,538	27,815	29,230	24,232	26,327
Georgia	3,623	3,438	240	153	67	65
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	374	506	229	82	78	218
Indiana	240	480	298	158	310	514
Iowa	321	571	236	215	232	275
Kansas	2,143	2,691	2,052	1,150	1,465	1,432
Kentucky	416	765	116	107	161	523
Louisiana	29,545	28,267	19,328	20,829	14,276	20,676
Maine	0	0	0	0	0	0
Maryland	4,184	2,596	1,963	1,062	259	517
Massachusetts	364	475	455	304	160	98
Michigan	4,174	4,703	3,213	2,554	3,418	4,073
Minnesota	645	461	280	209	190	320
Mississippi	9,800	10,438	6,023	5,942	6,190	9,144
Missouri	2,472	2,881	1,515	1,045	1,232	1,484
Montana	19	8	0	8	5	25
Nebraska	470	462	175	73	113	111
Nevada	7,460	5,828	4,780	4,700	3,848	5,162
New Hampshire	0	2	187	413	57	121
New Jersey	4,151	3,324	1,969	963	533	450
New Mexico	3,211	3,542	3,381	3,539	3,027	2,923
New York	11,296	10,594	9,049	9,157	6,938	5,589
North Carolina	2,500	1,607	27	37	54	83
North Dakota	0	0	0	0	0	0
Ohio	628	1,144	610	667	253	454
Oklahoma	14,792	16,320	14,108	10,675	6,783	8,911
Oregon	3,057	1,641	562	2,610	2,942	3,157
Pennsylvania	262	285	270	268	221	375
Rhode Island	0	0	0	0	0	0
South Carolina	719	571	68	27	15	35
South Dakota	420	209	27	56	15	82
Tennessee	235	484	9	18	117	291
Texas	124,051	134,690	92,994	86,800	65,922	72,884
Utah	1,344	908	712	645	327	375
Vermont	167	88	62	14	23	5
Virginia	1,681	1,923	1,497	1,947	1,327	1,850
Washington	3,662	2,290	80	1	69	329
West Virginia	61	14	24	33	32	15
Wisconsin	669	1,754	837	707	1,088	743
Wyoming	355	14	6	9	13	11
Total	306,255	309,290	214,217	207,068	166,419	189,794

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	Total	December	November	October	September	August
Alabama	20,918	675	890	557	1,867	5,668
Alaska	30,529	3,388	2,838	2,633	2,216	2,276
Arizona	50,875	3,284	3,338	6,404	4,701	6,664
Arkansas	40,088	1,983	2,045	1,590	3,115	7,965
California	144,655	7,162	7,491	14,572	9,509	12,194
Colorado	19,155	1,165	1,111	1,824	934	3,334
Connecticut	13,095	548	1,162	1,322	1,663	2,039
Delaware	19,878	498	337	1,352	1,570	3,289
District of Columbia	0	0	0	0	0	0
Florida	319,274	24,985	25,438	30,914	34,366	34,313
Georgia	20,537	174	457	693	1,936	6,492
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	40,716	828	1,838	1,618	1,741	3,916
Indiana	7,655	245	157	142	312	1,237
Iowa	5,249	241	314	304	430	688
Kansas	35,889	1,051	738	1,128	1,950	7,995
Kentucky	5,590	223	263	188	464	1,154
Louisiana	320,328	17,336	16,696	21,366	32,450	42,938
Maine	0	0	0	0	0	0
Maryland	16,399	409	346	1,340	1,102	2,816
Massachusetts	8,141	107	396	360	817	685
Michigan	51,122	3,069	3,198	3,869	3,700	4,609
Minnesota	6,595	149	254	106	208	868
Mississippi	101,623	8,923	5,721	6,732	7,528	14,254
Missouri	19,427	581	451	521	1,149	5,351
Montana	289	10	14	7	8	28
Nebraska	4,555	49	102	134	236	742
Nevada	65,105	6,050	4,561	5,620	6,447	6,654
New Hampshire	572	134	22	0	161	98
New Jersey	32,650	1,067	1,107	1,281	3,194	6,191
New Mexico	35,581	2,682	2,185	3,055	3,402	4,633
New York	181,823	9,010	11,263	12,001	14,136	19,777
North Carolina	10,584	17	50	104	627	3,579
North Dakota	0	0	0	0	0	0
Ohio	11,105	426	179	345	542	1,536
Oklahoma	169,845	9,307	8,189	10,788	13,930	26,713
Oregon	23,292	2,383	2,966	4,555	3,117	2,008
Pennsylvania	10,376	429	265	454	568	1,896
Rhode Island	0	0	0	0	0	0
South Carolina	5,118	48	77	17	166	1,855
South Dakota	2,527	94	23	69	79	425
Tennessee	3,460	29	32	0	175	1,217
Texas	1,207,293	64,472	63,481	96,710	117,682	177,899
Utah	6,478	524	398	1,120	494	680
Vermont	250	3	3	1	91	133
Virginia	23,457	1,106	928	652	1,701	3,353
Washington	6,693	258	467	3,029	1,274	434
West Virginia	385	42	37	46	23	17
Wisconsin	14,077	688	573	475	862	1,775
Wyoming	167	15	10	8	7	5
Total	3,113,420	175,868	172,410	240,005	282,646	432,394

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 1998-2000
(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	4,720	1,943	1,294	1,253	930	557
Alaska	2,545	2,200	2,305	2,298	2,520	2,555
Arizona	6,134	5,296	4,293	4,500	2,023	1,802
Arkansas	7,128	5,635	4,011	2,599	2,052	1,396
California	11,691	9,160	8,646	15,405	16,749	15,685
Colorado	2,527	2,119	1,793	1,917	886	651
Connecticut	3,004	1,803	1,316	84	124	1
Delaware	3,804	2,537	2,059	676	1,697	922
District of Columbia	0	0	0	0	0	0
Florida	33,893	29,613	29,635	28,315	19,051	13,253
Georgia	4,356	1,729	1,381	3,062	222	20
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	11,012	4,863	2,700	5,381	2,943	1,386
Indiana	2,687	1,195	249	411	339	151
Iowa	1,547	619	266	334	181	187
Kansas	8,418	3,501	2,769	3,700	2,428	1,038
Kentucky	1,808	481	201	189	131	81
Louisiana	38,329	34,792	29,654	25,380	21,889	17,769
Maine	0	0	0	0	0	0
Maryland	5,844	1,819	476	1,378	288	139
Massachusetts	1,488	1,621	1,431	697	381	47
Michigan	7,574	5,194	5,212	4,048	3,895	3,090
Minnesota	2,071	788	713	475	477	164
Mississippi	14,102	9,852	9,544	10,121	4,325	4,735
Missouri	5,746	1,995	638	1,677	327	365
Montana	112	33	6	9	4	5
Nebraska	1,839	725	196	335	115	43
Nevada	6,818	5,842	5,657	4,828	4,293	3,737
New Hampshire	67	25	16	0	16	0
New Jersey	11,553	3,450	2,080	661	690	347
New Mexico	3,945	2,731	2,037	3,131	2,828	2,357
New York	26,269	22,549	23,209	14,151	12,885	8,485
North Carolina	4,274	1,241	147	475	29	4
North Dakota	0	0	0	0	0	0
Ohio	3,241	1,436	712	1,119	942	324
Oklahoma	24,842	18,379	13,894	13,166	12,491	7,560
Oregon	1,573	877	2,037	1,072	220	945
Pennsylvania	3,246	2,079	467	286	317	106
Rhode Island	0	0	0	0	0	0
South Carolina	2,296	390	76	110	49	21
South Dakota	646	214	215	280	233	122
Tennessee	1,210	597	58	142	0	0
Texas	152,607	127,699	104,517	97,362	81,954	56,218
Utah	754	691	192	395	454	392
Vermont	0	2	1	2	6	2
Virginia	4,063	1,888	2,235	1,818	2,103	1,937
Washington	51	39	561	504	6	41
West Virginia	25	32	48	29	35	24
Wisconsin	4,038	1,897	1,435	555	570	654
Wyoming	8	68	6	4	13	14
Total	433,905	321,639	270,391	254,334	204,113	149,330

^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 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000		
				September	August	July
Alabama	NA	222,396	233,271	19,920	NA	23,816
Alaska	111,474	106,239	106,881	10,121	13,787	11,579
Arizona	132,789	107,643	100,536	15,525	19,050	16,784
Arkansas	NA	191,795	201,150	NA	NA	14,941
California	1,638,494	1,544,512	1,431,930	186,059	211,875	189,357
Colorado	212,944	203,309	204,137	15,010	15,555	15,627
Connecticut	94,826	97,336	92,297	6,193	6,623	6,092
Delaware	34,687	44,505	30,335	2,052	1,969	2,150
District of Columbia	24,249	25,043	23,437	1,258	1,207	1,256
Florida	414,828	382,279	353,421	42,776	48,301	48,098
Georgia	NA	242,286	267,871	11,011	16,001	15,229
Hawaii	2,137	2,055	1,732	227	221	235
Idaho	45,480	47,288	45,964	3,468	2,977	3,239
Illinois	648,442	701,361	676,854	41,054	38,330	36,231
Indiana	NA	405,605	374,126	NA	30,082	NA
Iowa	155,198	164,943	162,540	11,457	10,904	10,395
Kansas	225,950	192,378	200,411	20,881	27,479	23,933
Kentucky	136,829	139,481	134,762	9,776	9,513	8,912
Louisiana	NA	965,511	1,001,258	123,079	NA	NA
Maine	NA	4,204	3,972	NA	NA	NA
Maryland	150,046	142,878	131,803	9,571	11,081	10,233
Massachusetts	NA	249,035	254,442	NA	NA	NA
Michigan	640,051	647,069	600,320	38,330	38,576	35,088
Minnesota	NA	229,242	213,880	15,374	14,084	13,097
Mississippi	NA	202,268	160,399	NA	19,301	20,841
Missouri	197,130	198,691	197,242	11,266	18,526	14,142
Montana	37,742	39,498	37,600	2,466	1,986	2,190
Nebraska	87,633	92,637	100,736	8,189	6,131	8,471
Nevada	128,921	112,022	104,641	14,855	16,723	13,678
New Hampshire	NA	15,200	14,117	NA	NA	NA
New Jersey	NA	466,930	435,525	NA	NA	37,445
New Mexico	NA	89,502	93,108	8,456	9,705	NA
New York	NA	917,752	877,677	NA	NA	NA
North Carolina	170,804	158,970	160,245	11,502	13,649	12,682
North Dakota	NA	28,301	30,088	1,794	1,784	1,065
Ohio	600,209	603,467	573,407	36,170	35,898	35,633
Oklahoma	NA	358,568	378,630	NA	NA	37,638
Oregon	155,044	140,670	136,011	14,803	14,597	15,085
Pennsylvania	NA	465,682	430,078	NA	28,555	NA
Rhode Island	60,663	63,112	67,906	3,154	3,179	4,096
South Carolina	113,071	114,330	116,959	8,813	10,210	9,715
South Dakota	21,882	21,723	21,555	1,634	2,042	1,661
Tennessee	NA	198,370	197,325	14,734	14,547	14,429
Texas	NA	2,631,922	2,747,341	279,461	NA	NA
Utah	91,728	92,084	96,754	7,481	6,677	6,659
Vermont	7,757	5,917	5,705	641	613	602
Virginia	NA	189,592	173,769	11,717	12,931	14,762
Washington	208,191	176,734	190,444	22,365	22,549	20,055
West Virginia	NA	76,206	77,809	5,349	5,330	4,785
Wisconsin	262,185	261,282	252,793	17,335	17,646	15,500
Wyoming	NA	43,940	57,515	3,825	NA	2,802
Total	15,151,568	14,823,764	14,582,708	1,310,213	1,488,617	1,409,242

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	2000					
	June	May	April	March	February	January
Alabama	22,970	24,728	23,644	25,649	31,734	31,217
Alaska	10,325	10,346	12,369	14,102	13,127	15,718
Arizona	14,452	12,984	11,342	12,768	13,235	16,648
Arkansas	15,351	17,049	19,058	23,785	27,033	25,460
California	178,742	165,873	145,827	181,275	182,440	197,045
Colorado	17,038	20,081	24,238	31,189	35,750	38,458
Connecticut	6,554	8,318	10,447	14,836	18,799	16,965
Delaware	3,722	4,628	4,533	4,621	5,170	5,842
District of Columbia	1,455	2,064	2,948	3,735	5,287	5,038
Florida	44,555	49,065	45,716	48,108	42,595	45,615
Georgia	NA	14,289	15,798	19,232	28,697	40,252
Hawaii	242	243	235	245	243	246
Idaho	3,698	4,220	5,464	6,600	7,207	8,608
Illinois	39,109	46,610	76,010	94,271	122,950	153,877
Indiana	29,631	34,567	44,692	53,163	68,535	NA
Iowa	11,057	12,914	17,350	21,220	27,333	32,569
Kansas	18,624	19,666	22,418	26,001	31,543	35,405
Kentucky	9,432	10,588	15,191	18,467	24,107	30,843
Louisiana	111,028	120,032	107,592	114,740	110,564	127,715
Maine	NA	NA	529	NA	830	1,052
Maryland	12,858	13,329	16,931	20,295	26,406	29,341
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	42,393	58,915	80,247	97,752	119,744	129,006
Minnesota	16,824	14,425	26,009	31,609	NA	NA
Mississippi	19,443	22,100	19,341	20,807	24,279	27,405
Missouri	12,329	15,968	20,823	27,777	36,598	39,700
Montana	2,655	3,188	4,678	6,002	7,139	7,438
Nebraska	6,341	6,189	10,256	12,440	14,385	15,230
Nevada	13,828	13,512	12,688	13,948	13,104	16,586
New Hampshire	NA	NA	2,002	NA	3,022	3,120
New Jersey	34,803	38,646	54,005	69,783	90,483	87,626
New Mexico	8,958	8,611	10,526	12,729	12,649	14,114
New York	NA	NA	NA	NA	NA	NA
North Carolina	14,554	15,365	16,859	23,876	32,119	30,199
North Dakota	2,651	2,029	3,916	3,756	4,425	NA
Ohio	37,221	48,858	71,664	91,255	114,573	128,938
Oklahoma	32,554	32,227	33,932	33,217	36,714	37,991
Oregon	14,273	14,034	15,608	20,283	21,905	24,455
Pennsylvania	NA	NA	NA	71,739	NA	97,807
Rhode Island	4,129	5,507	7,280	8,125	14,229	10,963
South Carolina	9,724	11,881	12,757	14,670	18,272	17,028
South Dakota	1,585	1,651	2,192	3,170	3,628	4,319
Tennessee	NA	16,319	20,160	22,522	33,997	36,923
Texas	324,741	342,851	296,210	257,093	283,560	277,915
Utah	6,827	7,611	9,283	15,188	14,926	17,075
Vermont	710	732	909	1,097	1,319	1,134
Virginia	15,266	15,705	NA	24,173	33,919	33,334
Washington	16,216	20,505	20,697	26,245	28,127	31,433
West Virginia	5,403	7,174	8,196	NA	14,226	13,523
Wisconsin	15,635	21,085	31,778	36,991	47,126	59,090
Wyoming	4,123	5,379	7,050	7,288	8,227	7,861
Total	1,381,280	1,505,154	1,638,229	1,897,108	2,180,966	2,340,760

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	Total	December	November	October	September	August
Alabama	295,414	27,778	23,841	21,395	20,989	25,122
Alaska	150,054	16,172	14,810	12,834	9,323	8,832
Arizona	142,216	13,717	9,387	11,402	9,654	11,644
Arkansas	249,371	23,807	17,325	16,443	16,847	22,799
California	2,070,537	181,988	159,881	180,829	165,567	167,278
Colorado	271,006	30,305	21,081	16,301	12,872	15,484
Connecticut	131,143	14,232	11,320	8,163	7,574	7,673
Delaware	55,936	4,552	3,077	3,801	3,675	4,997
District of Columbia	31,993	3,224	2,334	1,383	1,191	1,158
Florida	510,162	41,265	40,536	46,001	48,452	49,841
Georgia	322,758	38,695	24,229	17,535	17,404	17,622
Hawaii	2,735	230	223	228	224	222
Idaho	64,414	7,221	5,381	4,487	3,632	2,954
Illinois	980,610	132,586	82,163	64,453	42,800	40,474
Indiana	552,765	63,918	44,341	38,853	30,240	29,641
Iowa	223,514	26,107	17,894	14,570	11,388	10,507
Kansas	240,458	23,154	13,434	11,490	13,195	22,427
Kentucky	194,425	25,286	16,959	12,696	10,047	10,241
Louisiana	1,265,867	104,679	95,505	100,164	104,011	117,171
Maine	6,054	785	531	535	314	314
Maryland	191,596	22,001	14,733	11,929	9,080	10,600
Massachusetts	336,565	38,237	27,970	21,322	19,864	20,482
Michigan	882,566	103,906	76,676	54,883	37,742	35,797
Minnesota	317,798	41,255	26,602	20,682	13,769	15,237
Mississippi	266,595	25,866	19,583	18,877	18,481	25,211
Missouri	259,431	30,427	17,785	12,521	11,027	14,573
Montana	55,095	6,746	5,132	3,713	2,373	2,076
Nebraska	118,478	10,991	7,373	7,476	6,646	7,156
Nevada	150,698	16,423	11,071	11,146	11,556	11,658
New Hampshire	20,310	2,231	1,561	1,317	1,030	940
New Jersey	612,707	58,566	50,178	37,033	30,762	28,763
New Mexico	124,829	15,906	10,607	8,646	7,567	8,857
New York	1,209,656	118,176	95,020	78,133	70,061	78,620
North Carolina	210,291	23,244	16,297	11,780	11,776	15,468
North Dakota	38,160	4,075	3,186	2,595	1,945	1,595
Ohio	828,223	100,467	70,716	53,172	36,517	35,963
Oklahoma	449,005	34,813	27,650	27,800	32,949	44,075
Oregon	198,402	21,662	18,954	17,065	13,444	12,389
Pennsylvania	635,761	75,969	53,754	40,316	28,858	29,928
Rhode Island	83,933	7,937	7,247	5,627	4,843	4,992
South Carolina	154,036	15,644	13,101	10,959	9,890	11,310
South Dakota	28,903	3,392	2,122	1,663	986	1,354
Tennessee	261,242	25,892	19,688	17,283	17,453	15,569
Texas	3,507,315	309,568	272,367	293,456	333,757	372,426
Utah	133,301	18,902	12,057	10,128	7,219	6,236
Vermont	8,024	882	696	530	414	443
Virginia	255,556	34,638	18,106	13,179	14,183	18,546
Washington	256,042	30,755	23,300	25,142	15,855	14,107
West Virginia	103,951	11,989	8,800	6,950	5,412	5,493
Wisconsin	369,839	50,652	31,668	26,200	17,184	16,597
Wyoming	60,596	6,329	5,889	4,425	5,408	3,366
Total	19,890,341	2,047,240	1,574,142	1,439,510	1,327,450	1,436,227

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1998-2000

(Million Cubic Feet) — Continued

State	1999					
	July	June	May	April	March	February
Alabama	24,091	20,626	20,475	24,271	29,690	26,203
Alaska	11,148	9,984	11,295	11,794	14,484	13,836
Arizona	11,483	10,757	11,295	13,422	11,174	13,152
Arkansas	20,365	19,723	18,535	20,529	23,137	21,680
California	159,967	142,580	148,719	171,021	174,364	200,337
Colorado	14,409	15,773	22,925	26,400	27,754	30,961
Connecticut	8,871	7,696	8,969	9,967	14,586	15,133
Delaware	5,614	4,453	4,682	4,059	6,211	5,204
District of Columbia	1,222	1,343	1,940	3,252	4,665	4,865
Florida	49,156	44,712	45,247	45,528	37,417	29,116
Georgia	17,315	16,753	17,369	24,544	41,022	42,066
Hawaii	229	229	222	231	226	238
Idaho	3,304	3,696	4,985	6,280	7,009	7,454
Illinois	48,394	42,791	47,923	76,117	118,584	118,475
Indiana	30,528	30,529	33,004	45,759	64,618	60,782
Iowa	12,004	10,523	13,346	18,127	25,701	26,441
Kansas	21,090	14,769	15,787	20,722	25,347	24,814
Kentucky	10,434	9,576	10,829	14,513	23,871	22,067
Louisiana	114,197	110,788	107,074	103,135	104,326	93,633
Maine	289	299	359	440	680	612
Maryland	13,663	9,627	10,386	16,085	23,993	22,431
Massachusetts	20,688	22,154	25,502	35,387	42,422	34,107
Michigan	41,232	43,510	54,556	76,952	113,749	109,232
Minnesota	14,512	14,019	17,100	24,217	36,573	40,959
Mississippi	25,306	21,244	21,832	24,120	21,083	19,609
Missouri	16,140	12,389	13,876	22,031	30,621	31,958
Montana	2,341	2,860	4,251	5,171	5,594	6,590
Nebraska	10,201	6,066	6,997	9,748	12,780	13,900
Nevada	11,597	11,136	12,110	12,233	12,902	13,288
New Hampshire	885	905	1,287	1,909	2,539	2,590
New Jersey	38,628	32,199	37,349	53,526	76,959	78,588
New Mexico	8,075	7,328	7,968	10,129	12,661	12,015
New York	83,697	80,448	91,121	100,477	139,365	131,085
North Carolina	15,861	12,598	13,195	17,495	24,911	20,956
North Dakota	1,664	1,815	2,603	3,349	4,578	4,874
Ohio	37,321	37,960	45,944	71,575	108,742	107,826
Oklahoma	42,745	36,737	33,393	39,685	40,222	38,807
Oregon	11,560	11,861	15,106	16,649	18,392	19,322
Pennsylvania	30,778	31,445	36,877	55,408	81,777	79,791
Rhode Island	5,643	5,949	7,018	7,874	7,706	8,916
South Carolina	11,705	9,779	10,758	12,547	16,577	14,106
South Dakota	1,652	1,258	1,684	2,780	3,307	3,646
Tennessee	16,918	15,349	16,028	21,064	28,837	28,039
Texas	301,012	291,238	268,082	268,513	260,478	248,038
Utah	7,288	5,666	8,124	12,378	12,652	15,651
Vermont	297	327	490	752	1,010	1,016
Virginia	18,679	14,791	16,116	20,734	28,888	28,004
Washington	13,031	12,999	16,878	22,021	24,654	25,971
West Virginia	5,083	5,184	6,446	8,829	13,167	12,178
Wisconsin	18,038	16,670	19,533	27,847	42,229	42,955
Wyoming	3,764	3,427	4,425	5,407	6,026	5,619
Total	1,394,116	1,296,537	1,372,018	1,647,002	2,010,259	1,979,138

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.

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

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				September	August	July	June	May
Alabama	3.75	3.08	3.15	5.12	5.22	5.50	5.70	4.20
Alaska	1.60	1.31	1.72	1.60	1.58	1.53	1.59	1.62
Arizona	3.67	2.60	2.61	4.95	4.81	5.66	5.21	3.84
Arkansas	NA	2.83	2.88	NA	NA	NA	NA	NA
California	3.68	2.47	2.33	4.98	4.13	4.70	4.42	3.44
Colorado	NA	2.14	2.39	3.32	3.56	NA	NA	NA
Connecticut	6.26	4.74	5.13	9.62	7.12	7.54	7.99	6.62
Delaware	2.96	3.64	2.78	2.74	2.53	2.37	2.99	2.82
District of Columbia	8.69	—	—	—	—	—	—	—
Florida	4.22	3.38	3.37	5.45	4.87	5.05	5.32	4.07
Georgia	NA	3.85	3.44	5.82	0.34	4.81	NA	0.27
Hawaii	8.06	5.14	5.41	9.04	8.69	8.17	8.46	8.84
Idaho	2.95	1.97	1.97	3.85	3.60	5.32	4.08	3.13
Illinois	3.99	2.87	2.82	6.05	5.12	5.96	7.23	4.38
Indiana	NA	2.33	2.44	NA	3.59	NA	NA	3.02
Iowa	4.02	3.07	3.37	5.84	5.45	6.39	5.45	7.00
Kansas	2.97	2.83	2.96	5.87	0.73	5.57	4.82	4.02
Kentucky	4.05	3.13	3.29	5.18	5.17	5.11	4.88	4.94
Louisiana	NA	2.55	2.35	5.23	NA	NA	4.84	3.68
Maine	NA	4.36	3.48	NA	NA	NA	NA	NA
Maryland	4.44	3.29	4.02	6.25	6.70	8.23	8.46	6.79
Massachusetts	NA	3.61	4.21	NA	NA	NA	NA	NA
Michigan	3.11	2.81	2.79	3.32	3.33	3.33	3.02	3.00
Minnesota	NA	2.87	2.98	5.67	4.92	5.64	5.22	3.64
Mississippi	NA	2.73	2.98	NA	4.57	4.82	3.61	3.39
Missouri	4.18	3.30	3.45	7.18	6.11	7.35	7.33	5.62
Montana	3.00	2.44	2.42	3.39	2.86	3.50	3.25	2.90
Nebraska	3.79	2.98	3.03	5.23	4.59	5.54	5.11	3.73
Nevada	NA	2.35	3.25	4.74	5.10	5.77	5.24	4.39
New Hampshire	NA	3.85	3.81	NA	—	NA	NA	NA
New Jersey	NA	4.41	3.65	NA	NA	8.07	10.86	6.02
New Mexico	2.84	2.09	2.07	3.66	3.16	3.78	3.77	2.96
New York	NA	2.82	2.57	NA	NA	NA	NA	NA
North Carolina	4.50	3.19	3.60	6.08	5.21	5.99	6.44	4.47
North Dakota	NA	2.84	2.72	4.66	4.55	8.28	4.78	4.12
Ohio	5.74	4.93	4.76	6.74	7.86	8.41	5.89	7.94
Oklahoma	NA	2.72	2.57	NA	NA	4.14	3.19	3.36
Oregon	3.38	2.84	2.81	3.71	4.18	4.70	4.22	3.59
Pennsylvania	NA	3.62	4.36	NA	6.58	7.83	7.48	6.08
Rhode Island	3.61	3.95	4.20	5.65	5.60	5.36	4.87	3.74
South Carolina	4.47	3.38	3.43	6.15	5.47	5.93	5.73	4.55
South Dakota	4.28	3.43	3.45	5.06	5.66	6.92	6.39	7.12
Tennessee	NA	2.87	3.53	4.77	3.95	5.74	NA	3.89
Texas	NA	2.72	2.62	5.02	NA	NA	4.41	3.08
Utah	3.38	2.81	3.20	3.43	3.74	3.15	3.14	2.73
Vermont	3.83	2.93	2.65	4.39	4.49	4.08	4.05	4.10
Virginia	4.40	3.87	3.90	7.29	6.87	6.37	6.32	7.25
Washington	NA	2.46	2.38	3.67	3.76	NA	NA	NA
West Virginia	NA	3.42	3.03	2.86	7.33	4.97	4.12	3.06
Wisconsin	3.74	3.00	3.42	5.63	5.04	5.88	5.67	4.20
Wyoming	NA	3.42	2.45	4.51	NA	4.88	4.56	4.04
Total	3.97	3.06	3.08	5.71	4.03	5.13	5.21	4.00

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000				1999			
	April	March	February	January	Total	December	November	October
Alabama	3.40	3.43	3.05	2.95	3.21	3.24	3.74	4.16
Alaska	1.60	1.64	1.56	1.61	1.32	1.32	1.34	1.36
Arizona	3.54	3.05	2.97	2.70	2.72	2.68	3.37	3.30
Arkansas	NA	NA	NA	NA	2.81	2.26	3.45	3.07
California	3.40	2.90	2.88	2.59	2.61	2.65	3.27	3.44
Colorado	NA	NA	NA	NA	2.31	2.27	3.52	2.46
Connecticut	5.67	5.59	6.00	5.40	4.91	5.42	5.81	4.58
Delaware	2.74	3.04	3.29	3.80	3.45	2.78	3.48	2.73
District of Columbia	—	—	8.69	—	—	—	—	—
Florida	4.12	3.57	3.55	3.40	3.49	3.70	3.77	3.86
Georgia	3.29	NA	NA	NA	2.95	2.80	4.19	0.92
Hawaii	8.05	6.96	7.40	7.14	5.62	7.40	7.20	6.48
Idaho	3.15	2.64	2.52	2.50	2.23	2.50	3.07	2.94
Illinois	3.47	3.30	3.13	2.93	3.00	3.13	3.55	3.41
Indiana	2.91	NA	NA	NA	2.46	2.57	3.09	2.79
Iowa	3.72	3.75	3.47	3.03	3.30	3.98	3.95	3.49
Kansas	3.44	3.48	3.61	3.21	2.96	3.12	3.60	3.50
Kentucky	3.55	3.90	3.88	3.65	3.27	3.42	3.82	3.56
Louisiana	3.85	3.39	3.30	2.96	2.70	2.71	3.59	3.03
Maine	5.01	NA	2.92	4.08	4.61	4.33	7.89	3.85
Maryland	4.47	4.18	3.94	3.53	3.45	3.30	4.28	4.12
Massachusetts	NA	NA	NA	NA	3.74	3.70	4.12	5.43
Michigan	3.06	2.90	3.01	3.11	2.83	2.93	2.95	2.86
Minnesota	3.33	3.63	NA	NA	3.06	3.42	4.24	2.85
Mississippi	NA	3.50	3.32	3.10	2.88	3.05	3.49	3.29
Missouri	4.33	3.68	3.40	3.07	3.34	3.02	3.87	4.23
Montana	2.80	3.02	3.05	2.72	2.57	2.91	3.00	2.65
Nebraska	3.69	3.36	3.54	2.97	3.12	3.50	3.79	3.14
Nevada	4.01	3.55	3.50	NA	2.59	3.27	3.01	3.20
New Hampshire	4.16	4.65	3.91	3.80	4.07	4.09	6.30	3.54
New Jersey	4.91	4.12	3.70	3.89	4.55	4.52	4.95	5.58
New Mexico	2.70	2.50	2.36	2.50	2.24	2.42	2.64	2.54
New York	NA	NA	NA	NA	2.92	2.86	3.72	3.28
North Carolina	4.05	3.83	3.99	3.57	3.33	3.61	3.94	3.74
North Dakota	3.59	3.66	NA	NA	3.07	3.38	4.22	3.34
Ohio	5.93	6.73	4.85	4.98	4.83	4.48	4.66	4.90
Oklahoma	2.88	3.01	2.66	NA	2.84	3.59	3.55	2.65
Oregon	3.31	3.04	3.14	2.97	2.93	3.03	3.44	3.10
Pennsylvania	4.28	4.72	3.87	3.44	3.65	3.33	4.03	4.23
Rhode Island	2.92	3.17	3.30	3.45	4.19	5.29	4.37	4.79
South Carolina	4.14	3.84	3.84	3.60	3.46	3.51	3.86	3.65
South Dakota	4.09	3.83	4.04	3.26	3.52	3.67	4.05	3.37
Tennessee	3.74	3.28	3.74	3.06	3.15	3.72	4.48	3.60
Texas	3.20	2.87	2.97	2.98	2.84	2.91	3.44	3.17
Utah	3.09	3.68	3.44	3.45	2.98	3.54	3.34	2.75
Vermont	3.71	3.80	3.56	3.46	2.85	1.43	3.85	3.42
Virginia	3.28	4.01	4.10	3.71	3.81	3.34	4.25	3.73
Washington	NA	NA	NA	NA	2.63	3.38	3.28	2.81
West Virginia	3.26	NA	NA	3.45	3.40	3.07	3.82	3.50
Wisconsin	3.41	3.44	3.20	2.94	3.08	2.79	4.02	3.34
Wyoming	4.96	4.78	4.37	4.39	3.59	4.03	4.49	3.35
Total	3.72	3.57	3.50	3.33	3.16	3.24	3.76	3.31

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	September	August	July	June	May	April	March	February
Alabama	4.10	3.62	3.69	4.00	3.15	2.90	2.77	2.90
Alaska	1.41	1.11	1.26	1.27	1.23	1.32	1.33	1.34
Arizona	3.66	3.52	3.26	3.16	3.03	2.39	2.18	2.19
Arkansas	2.74	2.98	3.04	2.53	2.82	2.74	2.57	3.35
California	3.02	2.82	2.61	2.60	2.70	2.15	2.06	2.20
Colorado	2.98	2.56	2.35	2.44	2.36	1.14	1.84	2.07
Connecticut	5.85	4.52	5.39	4.33	5.19	4.87	4.57	4.74
Delaware	4.01	3.53	4.43	5.10	3.91	3.12	3.33	3.68
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.76	3.68	3.38	3.39	3.38	3.11	3.32	3.27
Georgia	12.45	3.15	3.46	4.06	3.08	3.09	3.32	3.45
Hawaii	6.23	5.59	5.61	5.45	4.72	4.68	4.53	4.47
Idaho	3.27	2.74	2.72	1.50	1.69	1.94	1.82	1.92
Illinois	3.87	3.73	3.23	3.17	3.62	2.63	2.51	2.59
Indiana	2.85	2.86	2.32	2.47	2.62	2.26	2.17	2.24
Iowa	3.71	3.97	3.54	4.26	3.63	3.03	2.77	3.02
Kansas	3.95	4.77	2.61	3.08	2.97	2.54	2.49	2.52
Kentucky	3.46	2.85	3.06	2.89	3.63	3.72	2.79	3.10
Louisiana	3.27	2.86	2.54	2.63	2.74	2.46	2.26	2.36
Maine	8.33	—	14.77	4.85	2.26	5.43	2.98	2.92
Maryland	5.35	6.17	5.65	5.81	5.86	3.52	2.85	2.95
Massachusetts	6.72	5.73	7.07	3.99	6.03	4.00	3.01	2.94
Michigan	2.83	2.79	2.83	2.63	2.83	2.75	2.79	3.02
Minnesota	3.72	3.52	3.30	3.23	2.87	2.49	2.70	2.84
Mississippi	3.30	3.05	2.83	2.49	2.65	2.71	2.60	2.71
Missouri	5.43	5.25	5.14	4.90	4.56	3.43	2.75	2.89
Montana	2.30	2.12	2.08	2.20	1.37	2.39	2.98	2.70
Nebraska	3.28	2.30	3.25	3.24	3.45	2.94	2.90	3.11
Nevada	3.94	5.42	0.83	3.60	3.07	2.13	2.31	2.54
New Hampshire	5.64	4.35	6.94	4.47	3.38	3.58	3.22	3.58
New Jersey	7.65	7.06	5.87	6.86	7.14	4.26	1.42	3.31
New Mexico	2.52	2.34	2.06	2.13	2.06	1.81	1.98	2.08
New York	3.37	2.96	2.77	2.62	3.00	2.53	2.75	2.74
North Carolina	3.90	3.52	3.21	3.34	3.52	3.25	2.73	3.00
North Dakota	3.39	3.34	2.89	2.82	2.94	2.55	2.55	2.80
Ohio	5.21	6.55	5.07	5.81	6.71	7.73	4.43	4.62
Oklahoma	2.84	1.87	2.19	2.47	2.23	2.35	2.36	5.21
Oregon	3.64	4.05	3.74	3.28	2.84	2.66	2.59	2.68
Pennsylvania	4.72	6.67	4.70	4.35	4.35	3.84	2.95	3.39
Rhode Island	4.95	3.15	5.41	4.92	5.37	3.05	3.79	3.87
South Carolina	4.14	3.85	3.63	3.80	3.85	3.43	2.86	3.09
South Dakota	3.50	4.02	4.03	3.72	4.21	3.37	3.25	3.37
Tennessee	3.41	4.13	3.25	2.76	2.81	2.65	2.70	2.71
Texas	2.98	2.98	2.77	2.78	2.86	2.45	2.38	2.61
Utah	3.23	2.93	4.04	2.62	2.07	2.31	2.76	3.11
Vermont	2.68	2.70	2.63	3.12	3.34	3.07	2.92	3.01
Virginia	7.51	5.60	7.13	5.27	4.96	3.70	3.35	2.97
Washington	3.11	2.62	2.76	2.36	2.71	2.60	2.35	2.20
West Virginia	1.33	3.10	2.96	3.87	2.64	3.08	3.04	3.21
Wisconsin	3.93	4.12	3.86	4.78	3.70	2.81	2.70	2.76
Wyoming	3.94	3.73	3.36	2.81	3.31	3.52	3.10	3.73
Total	3.72	3.53	3.23	3.28	3.41	2.94	2.69	2.93

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution

company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

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

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				September	August	July	June	May
Alabama	8.75	8.20	7.90	13.41	13.47	13.23	12.23	9.53
Alaska	3.55	3.69	3.68	3.74	3.88	4.20	3.86	3.66
Arizona	9.44	9.01	8.30	13.68	14.09	14.76	12.42	11.19
Arkansas	NA	6.85	6.81	NA	NA	NA	NA	NA
California	7.42	6.54	6.94	8.82	8.72	8.90	8.35	7.75
Colorado	NA	5.31	5.23	9.24	9.06	7.94	6.80	5.30
Connecticut	10.97	10.33	10.52	13.32	12.81	13.50	13.08	11.02
Delaware	8.04	8.61	8.79	13.83	9.53	9.66	9.41	7.19
District of Columbia	9.07	8.42	8.82	14.02	9.97	9.68	8.59	9.87
Florida	12.71	11.48	11.05	16.62	16.44	14.86	14.99	14.18
Georgia	NA	4.11	7.95	15.23	11.50	10.37	NA	7.13
Hawaii	21.45	18.68	19.27	22.96	22.67	22.09	22.20	22.11
Idaho	5.84	5.31	5.33	7.85	8.19	7.23	6.22	6.00
Illinois	6.40	5.32	5.67	10.54	10.84	11.19	9.87	8.60
Indiana	NA	6.12	6.82	NA	10.82	10.33	9.79	8.43
Iowa	7.12	5.96	6.11	12.81	13.34	12.12	13.08	12.10
Kansas	6.89	5.82	6.03	10.84	12.14	10.41	9.61	7.97
Kentucky	6.60	5.56	6.13	10.47	10.62	10.17	9.64	8.52
Louisiana	NA	6.51	6.47	10.94	NA	NA	10.68	8.46
Maine	NA	7.72	8.33	NA	NA	NA	NA	NA
Maryland	9.11	8.28	8.27	15.33	14.69	15.45	13.77	11.46
Massachusetts	NA	9.60	9.35	NA	NA	NA	NA	NA
Michigan	5.22	5.15	5.25	6.86	7.38	7.30	6.70	5.63
Minnesota	NA	5.45	5.54	9.44	9.12	9.64	8.93	7.04
Mississippi	NA	5.79	6.08	NA	9.56	9.24	10.17	5.87
Missouri	7.11	6.23	6.54	12.60	11.85	11.58	10.55	8.35
Montana	5.78	5.12	5.25	7.13	8.95	8.11	7.19	6.42
Nebraska	5.84	4.88	5.21	9.83	10.24	9.85	8.46	6.95
Nevada	6.69	7.26	7.12	8.11	8.44	8.11	7.67	7.18
New Hampshire	NA	7.35	8.17	NA	NA	8.35	8.35	7.71
New Jersey	NA	7.46	7.01	NA	NA	NA	9.15	7.60
New Mexico	NA	5.53	5.85	6.56	7.89	NA	4.69	9.11
New York	NA	9.01	9.53	NA	NA	NA	NA	NA
North Carolina	8.99	8.06	8.52	15.17	15.22	14.80	12.53	10.95
North Dakota	NA	5.17	5.17	8.68	10.18	10.16	7.57	6.66
Ohio	6.77	6.13	6.43	10.40	10.70	9.74	8.71	7.30
Oklahoma	NA	5.64	5.89	NA	NA	9.94	9.51	7.64
Oregon	7.68	7.12	6.76	9.33	9.92	9.30	8.42	7.91
Pennsylvania	NA	8.37	8.58	NA	11.93	NA	NA	NA
Rhode Island	7.42	9.43	9.49	12.15	12.16	11.97	10.64	9.28
South Carolina	9.06	8.38	8.14	12.04	12.39	11.07	10.44	9.05
South Dakota	6.71	5.64	5.70	11.03	11.19	10.87	10.19	9.27
Tennessee	NA	6.25	6.64	10.68	11.22	10.12	NA	7.90
Texas	NA	5.95	6.20	11.28	NA	NA	9.97	6.99
Utah	6.23	5.29	5.63	5.76	6.77	6.99	6.99	6.82
Vermont	7.82	7.03	6.50	9.93	10.09	9.89	8.89	8.11
Virginia	8.89	8.54	8.60	15.81	15.77	13.98	12.54	9.80
Washington	6.76	5.88	5.85	9.30	8.92	7.85	7.12	6.77
West Virginia	NA	7.43	7.25	10.16	10.86	10.85	9.60	7.80
Wisconsin	6.71	6.16	6.23	8.55	8.81	9.21	9.56	6.59
Wyoming	NA	5.11	5.26	6.65	NA	6.70	6.17	5.45
Total	7.13	6.62	6.90	9.78	10.12	9.92	9.12	7.88

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000				1999			
	April	March	February	January	Total	December	November	October
Alabama	9.08	9.21	7.21	7.41	8.34	8.19	9.13	10.23
Alaska	3.45	3.53	3.36	3.34	3.64	3.45	3.58	3.70
Arizona	9.23	8.43	8.33	7.88	9.13	8.71	10.26	11.77
Arkansas	NA	NA	NA	NA	7.22	6.97	14.99	9.00
California	7.17	7.05	6.99	6.30	6.62	6.52	7.13	7.51
Colorado	NA	5.14	5.08	4.96	5.38	5.28	5.80	6.21
Connecticut	11.04	10.54	10.51	10.49	10.54	11.23	11.08	11.36
Delaware	8.25	7.96	7.76	7.40	8.63	8.03	9.00	10.70
District of Columbia	9.28	8.99	8.69	8.54	8.70	8.93	10.15	11.40
Florida	13.27	11.95	10.45	10.62	11.59	10.69	12.45	13.98
Georgia	6.31	8.44	7.36	6.74	4.37	9.20	9.71	25.26
Hawaii	20.93	20.37	20.31	19.99	18.97	20.18	19.50	20.03
Idaho	5.74	5.61	5.56	5.45	5.42	5.56	5.81	5.91
Illinois	6.23	5.71	5.32	5.12	5.50	5.36	6.27	6.87
Indiana	6.62	5.75	5.58	5.41	6.03	5.40	6.10	6.54
Iowa	6.91	6.26	5.73	5.27	6.10	6.09	6.50	7.54
Kansas	6.80	6.38	6.03	5.98	5.98	6.08	6.90	7.41
Kentucky	6.75	6.21	6.04	5.56	5.72	5.92	5.86	6.93
Louisiana	6.81	6.99	6.13	5.92	6.83	7.34	8.35	8.74
Maine	8.96	9.30	7.34	7.87	7.47	6.63	6.81	7.83
Maryland	8.96	8.71	7.67	7.38	8.41	8.18	9.01	10.02
Massachusetts	NA	NA	NA	NA	9.25	8.32	8.92	8.15
Michigan	5.11	4.94	4.79	4.77	5.13	4.86	5.14	5.60
Minnesota	6.11	5.86	NA	NA	5.56	5.34	6.38	6.23
Mississippi	NA	6.86	5.66	5.81	5.99	6.00	7.19	7.79
Missouri	6.92	6.34	6.04	6.16	6.36	6.46	6.92	7.83
Montana	5.27	5.43	5.28	5.25	5.16	5.03	5.33	5.61
Nebraska	5.72	5.38	5.06	4.76	5.06	5.22	6.01	6.51
Nevada	6.79	6.25	6.25	6.07	7.14	6.19	7.22	8.28
New Hampshire	7.18	8.51	8.32	8.15	7.67	8.65	9.28	7.38
New Jersey	7.58	7.58	7.16	7.29	7.46	7.38	7.21	8.19
New Mexico	4.99	6.04	5.26	5.72	5.03	4.16	3.83	4.52
New York	NA	NA	NA	NA	9.12	9.01	9.66	10.29
North Carolina	8.47	9.07	7.58	8.27	8.33	8.95	8.95	10.77
North Dakota	5.36	5.04	4.73	NA	5.32	5.35	5.92	6.15
Ohio	6.43	6.30	6.09	6.18	6.24	6.39	6.60	6.79
Oklahoma	6.35	6.23	5.57	5.80	5.97	6.35	8.66	8.12
Oregon	7.18	7.48	7.42	7.33	7.13	7.06	7.12	7.63
Pennsylvania	NA	7.79	NA	7.31	8.30	7.72	8.20	9.07
Rhode Island	9.46	8.73	4.23	8.87	9.53	9.54	10.00	10.45
South Carolina	8.86	9.53	8.40	8.76	8.46	8.61	8.70	9.04
South Dakota	6.24	5.97	5.87	5.36	5.83	6.10	6.27	7.09
Tennessee	7.54	7.34	6.45	6.03	6.53	6.91	7.89	8.28
Texas	6.91	6.20	5.49	5.26	6.09	5.60	7.30	8.46
Utah	6.36	5.91	6.16	6.16	5.37	5.49	5.90	5.11
Vermont	7.71	7.45	7.33	7.42	7.18	7.71	7.57	7.69
Virginia	8.90	8.32	7.78	7.65	8.61	7.99	8.73	11.76
Washington	6.54	6.46	6.43	6.39	5.88	5.82	5.89	6.05
West Virginia	7.50	NA	7.02	7.44	7.42	7.09	7.42	8.13
Wisconsin	7.10	6.49	6.19	5.99	6.17	6.07	6.96	5.45
Wyoming	5.38	5.05	4.94	5.00	5.11	4.96	5.29	5.20
Total	7.01	6.78	6.40	6.24	6.69	6.51	7.15	7.56

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	September	August	July	June	May	April	March	February
Alabama	11.56	11.86	11.34	10.94	9.79	7.80	7.00	8.26
Alaska	3.84	4.27	4.31	4.10	3.81	3.65	3.59	3.53
Arizona	12.56	12.77	12.19	10.96	9.51	8.71	8.53	8.13
Arkansas	9.48	10.67	9.68	9.48	8.28	6.72	6.18	6.96
California	6.88	7.21	7.04	6.82	6.22	5.98	6.22	6.54
Colorado	7.64	7.81	7.36	6.30	5.27	5.14	5.00	4.88
Connecticut	9.94	11.65	10.65	10.97	10.85	10.47	10.26	10.36
Delaware	12.50	12.54	10.59	10.98	9.33	8.40	8.06	8.11
District of Columbia	12.46	8.32	8.28	8.28	9.00	8.00	7.80	8.29
Florida	14.24	13.96	13.50	13.19	12.46	11.14	10.15	10.71
Georgia	10.22	12.92	14.82	12.44	11.78	5.01	2.97	2.90
Hawaii	19.71	19.38	18.71	18.56	18.60	18.04	18.15	18.34
Idaho	6.57	6.54	6.20	5.82	5.45	5.30	5.09	5.12
Illinois	8.44	9.41	8.80	8.07	7.62	5.24	4.60	4.59
Indiana	8.71	9.05	9.22	8.82	7.60	6.16	5.46	5.60
Iowa	9.22	13.34	9.38	11.33	7.75	5.99	5.25	5.06
Kansas	8.86	8.48	8.60	7.55	6.55	5.51	5.26	5.47
Kentucky	7.52	8.15	8.16	7.74	6.74	5.45	4.81	5.26
Louisiana	9.37	9.35	8.53	8.01	7.56	6.30	5.96	5.76
Maine	9.10	9.61	9.83	9.24	8.64	7.85	7.38	7.34
Maryland	12.68	12.94	12.22	11.84	9.72	7.97	6.99	7.81
Massachusetts	8.24	8.44	8.28	8.15	7.55	8.69	8.46	12.50
Michigan	7.16	7.77	7.70	6.47	5.73	5.11	4.79	4.77
Minnesota	7.45	7.89	8.02	7.17	6.24	5.20	5.07	5.05
Mississippi	7.95	7.95	7.41	7.29	7.09	5.58	5.05	6.07
Missouri	9.47	10.61	9.97	6.17	7.17	6.13	5.48	5.77
Montana	6.29	7.48	6.60	6.00	4.67	4.96	4.95	4.94
Nebraska	7.72	8.05	7.12	6.75	5.32	4.69	4.46	4.37
Nevada	8.90	9.08	8.91	8.19	7.43	7.04	6.98	6.79
New Hampshire	8.86	9.49	8.80	8.08	6.45	5.67	7.55	7.58
New Jersey	9.18	8.98	9.14	8.02	7.89	7.35	7.15	7.21
New Mexico	9.80	10.95	9.22	8.18	8.93	5.70	4.09	4.99
New York	11.93	12.01	12.65	11.79	10.10	8.74	8.05	8.49
North Carolina	11.71	13.20	12.34	12.99	8.76	7.92	6.20	8.40
North Dakota	7.43	8.15	7.78	7.45	5.29	4.80	4.86	4.75
Ohio	8.07	8.79	8.45	7.92	6.86	5.85	5.65	5.71
Oklahoma	9.25	9.70	8.99	3.85	7.10	5.71	5.45	5.60
Oregon	8.59	8.86	10.44	7.71	7.22	7.00	6.87	6.76
Pennsylvania	11.60	12.08	12.19	10.77	9.27	7.74	7.79	7.83
Rhode Island	12.23	12.29	12.14	11.36	9.79	9.48	8.88	8.90
South Carolina	10.03	10.28	10.03	9.72	8.33	8.03	7.68	8.98
South Dakota	8.26	9.81	8.69	8.46	6.48	5.43	5.00	5.09
Tennessee	7.95	9.23	8.83	9.29	6.98	6.25	5.79	6.02
Texas	9.07	9.23	7.48	7.99	7.02	6.07	5.24	5.26
Utah	5.44	6.25	5.54	5.78	4.83	4.19	5.59	5.33
Vermont	9.40	9.45	9.40	8.48	7.47	6.88	6.73	6.34
Virginia	13.85	14.08	13.56	13.09	10.03	8.54	7.19	7.82
Washington	7.25	7.37	7.38	6.65	6.29	5.97	5.02	5.71
West Virginia	9.67	10.79	10.73	9.94	8.20	7.36	7.01	7.00
Wisconsin	7.19	7.43	7.12	6.68	5.89	6.11	6.03	6.26
Wyoming	6.14	6.99	6.94	5.76	4.90	4.85	5.01	4.85
Total	8.63	9.14	8.83	8.20	7.30	6.44	6.06	6.29

NA Not Available.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of

computations and revision policy.

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

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				September	August	July	June	May
Alabama	7.26	6.60	6.53	8.72	8.62	8.72	8.23	7.12
Alaska	2.02	2.19	2.40	1.92	1.86	1.76	2.02	1.91
Arizona	6.47	6.14	5.89	6.96	6.78	7.18	6.58	6.60
Arkansas	NA	5.21	5.15	NA	NA	NA	NA	NA
California	6.89	6.01	6.45	7.86	7.37	7.49	6.97	6.55
Colorado	4.80	4.49	4.44	6.05	6.05	5.50	5.01	4.78
Connecticut	6.23	6.35	6.91	4.48	3.94	4.99	6.16	5.26
Delaware	6.62	6.96	7.03	18.62	7.51	7.28	6.89	6.85
District of Columbia	8.15	7.13	7.29	10.00	8.25	7.19	7.25	7.77
Florida	7.50	6.43	6.45	8.42	8.39	8.12	7.79	7.49
Georgia	NA	3.62	6.68	6.44	6.52	6.29	NA	5.47
Hawaii	17.00	13.83	14.22	17.96	17.48	17.41	17.66	17.59
Idaho	5.13	4.68	4.59	6.46	6.34	5.74	5.10	5.12
Illinois	5.98	4.99	5.15	9.10	9.34	9.98	10.39	7.63
Indiana	NA	5.22	5.74	NA	7.38	7.12	6.45	6.62
Iowa	5.73	4.61	4.79	8.70	8.27	7.75	8.95	9.59
Kansas	4.44	4.92	4.94	5.39	4.64	4.92	4.85	3.91
Kentucky	5.87	4.91	5.51	7.94	8.49	7.09	6.89	6.47
Louisiana	NA	5.50	5.52	8.27	NA	7.69	8.36	6.43
Maine	NA	6.86	7.43	NA	NA	NA	NA	NA
Maryland	7.49	6.88	6.59	10.42	9.86	9.07	8.64	7.20
Massachusetts	NA	7.64	7.34	NA	NA	NA	NA	NA
Michigan	4.85	4.89	4.94	5.62	5.89	6.01	5.53	5.00
Minnesota	NA	4.32	4.43	6.67	5.91	6.66	6.33	5.21
Mississippi	NA	4.73	4.79	NA	6.34	6.54	8.85	5.58
Missouri	6.12	5.39	5.69	8.27	7.98	7.20	6.83	6.24
Montana	5.02	5.05	5.10	5.36	6.11	5.91	5.81	5.21
Nebraska	4.78	4.04	4.39	6.16	5.70	5.95	5.57	4.73
Nevada	5.53	6.10	6.21	5.82	5.86	5.80	5.66	5.65
New Hampshire	NA	6.61	7.22	NA	NA	NA	NA	NA
New Jersey	NA	3.80	3.89	NA	NA	NA	5.27	2.06
New Mexico	4.33	3.98	4.34	4.55	5.45	4.91	3.53	3.91
New York	NA	5.10	6.19	NA	NA	NA	3.09	NA
North Carolina	6.94	6.00	6.56	7.81	8.71	7.70	7.01	6.60
North Dakota	NA	4.33	4.38	6.69	7.40	7.36	5.63	5.29
Ohio	6.23	5.48	5.80	8.64	8.95	8.03	7.33	6.61
Oklahoma	NA	4.88	5.14	NA	NA	6.88	6.69	5.44
Oregon	6.12	5.52	5.22	6.33	6.39	6.48	6.16	6.07
Pennsylvania	NA	7.42	7.64	NA	8.93	3.33	3.60	NA
Rhode Island	7.78	8.05	8.10	10.21	9.39	9.33	8.70	8.14
South Carolina	7.32	6.43	6.48	8.05	7.95	7.18	7.05	6.61
South Dakota	5.21	4.33	4.52	7.76	7.69	7.00	7.18	6.97
Tennessee	NA	5.47	5.92	7.15	7.64	6.83	NA	6.06
Texas	NA	4.37	4.50	6.06	NA	NA	5.92	4.31
Utah	4.62	3.95	4.28	4.61	4.71	4.40	4.40	4.37
Vermont	6.22	5.54	5.18	6.45	6.35	6.44	6.38	6.20
Virginia	6.61	5.87	6.12	8.65	7.96	8.49	7.50	6.38
Washington	5.65	4.92	4.71	7.09	6.20	5.60	5.44	5.36
West Virginia	6.50	6.44	6.31	7.44	7.46	9.52	7.55	6.76
Wisconsin	5.44	4.75	4.78	6.64	6.24	6.65	6.47	4.96
Wyoming	NA	4.37	4.85	5.19	NA	6.17	5.01	4.70
Total	5.64	5.25	5.57	7.03	5.95	5.74	5.74	5.28

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000				1999			
	April	March	February	January	Total	December	November	October
Alabama	7.09	7.39	6.49	6.78	6.68	6.95	7.04	6.84
Alaska	1.96	2.13	2.12	2.16	2.18	2.17	2.16	2.15
Arizona	6.31	6.23	6.24	6.14	6.17	6.20	6.33	6.31
Arkansas	NA	NA	NA	NA	5.38	5.31	7.39	5.94
California	6.74	6.89	6.87	6.05	6.14	6.77	6.75	6.70
Colorado	4.60	4.59	4.60	4.56	4.55	4.78	4.70	4.66
Connecticut	7.01	6.27	6.82	7.97	6.53	7.81	6.86	6.05
Delaware	6.58	6.40	6.46	5.69	7.00	6.92	7.19	7.49
District of Columbia	8.15	8.34	8.55	7.89	7.38	8.07	8.78	8.41
Florida	7.24	7.12	6.98	6.87	6.50	6.74	6.89	6.77
Georgia	5.23	5.20	5.15	5.37	3.87	6.95	7.09	14.20
Hawaii	16.71	16.09	16.12	16.02	14.33	15.80	15.90	15.71
Idaho	5.13	4.88	4.90	4.86	4.77	4.92	5.21	5.10
Illinois	5.92	5.41	5.08	4.95	5.20	5.34	6.12	6.28
Indiana	5.57	5.57	5.56	4.90	5.17	4.90	4.96	5.37
Iowa	5.48	5.17	4.91	4.57	4.79	5.23	5.28	5.47
Kansas	4.10	4.16	4.40	4.25	5.04	5.53	5.79	5.24
Kentucky	5.78	5.61	5.28	5.43	5.14	5.76	5.59	5.75
Louisiana	5.89	6.15	5.93	5.79	5.73	6.28	6.82	6.31
Maine	7.44	NA	6.79	6.65	6.65	6.25	5.48	6.84
Maryland	8.09	7.27	7.07	6.36	6.94	6.62	7.52	8.18
Massachusetts	NA	NA	NA	NA	7.63	7.85	7.62	7.08
Michigan	4.80	4.69	4.65	4.66	4.87	4.61	4.96	5.21
Minnesota	5.00	4.94	5.00	NA	4.44	4.46	5.20	4.61
Mississippi	5.84	5.58	5.19	4.64	4.88	5.13	5.61	5.19
Missouri	6.09	5.54	5.79	5.90	5.47	5.89	5.63	5.49
Montana	4.54	4.97	4.67	4.88	5.13	5.09	5.40	5.70
Nebraska	4.64	4.65	4.56	4.19	4.14	4.37	4.66	4.37
Nevada	5.50	5.39	5.44	5.37	6.02	5.42	6.03	6.34
New Hampshire	6.67	NA	7.80	7.44	6.86	7.78	8.10	6.29
New Jersey	5.21	4.53	4.59	4.93	3.99	4.88	4.35	4.33
New Mexico	7.27	4.06	4.00	4.22	3.78	3.60	3.10	2.92
New York	NA	NA	NA	NA	5.15	5.90	5.34	4.38
North Carolina	6.17	7.35	6.51	6.80	6.22	7.23	6.73	6.52
North Dakota	4.64	4.51	4.31	NA	4.51	4.76	5.21	5.17
Ohio	5.86	5.86	5.84	5.96	5.58	5.92	5.94	5.81
Oklahoma	5.40	5.88	5.48	5.75	5.09	6.06	6.36	5.30
Oregon	6.06	6.06	6.06	6.04	5.66	5.76	5.49	7.59
Pennsylvania	7.50	7.31	7.11	6.77	7.29	6.98	6.93	7.08
Rhode Island	7.97	7.70	7.39	6.94	8.03	7.87	8.03	8.17
South Carolina	7.02	7.57	7.26	7.36	6.54	7.06	7.18	6.05
South Dakota	4.77	4.64	4.68	4.36	4.52	5.10	4.87	5.37
Tennessee	6.38	6.52	6.05	4.78	5.73	6.61	7.02	5.52
Texas	4.89	4.41	4.61	4.34	4.42	4.24	4.90	4.82
Utah	4.24	4.63	4.70	4.82	4.13	4.54	4.72	3.98
Vermont	6.17	6.17	6.18	6.20	5.69	6.37	6.14	5.69
Virginia	6.30	6.18	6.25	6.14	5.99	6.17	6.37	6.53
Washington	5.33	5.44	5.44	5.93	4.89	4.85	5.10	4.35
West Virginia	6.50	6.29	5.97	6.14	6.23	4.79	6.47	6.58
Wisconsin	5.93	5.34	5.15	5.07	4.84	5.10	5.72	4.04
Wyoming	4.80	3.76	4.51	4.41	4.38	4.44	4.34	4.49
Total	5.61	5.31	5.61	5.49	5.33	5.56	5.72	5.46

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	September	August	July	June	May	April	March	February
Alabama	7.19	7.27	7.18	7.05	6.83	6.22	6.07	6.90
Alaska	1.96	1.81	1.85	1.78	1.97	2.31	2.37	2.41
Arizona	6.26	6.37	6.12	6.04	6.06	6.11	6.12	6.18
Arkansas	5.79	5.81	5.73	5.78	5.86	5.26	4.87	5.29
California	6.31	6.43	6.01	5.75	5.54	5.89	5.47	6.65
Colorado	4.79	4.75	4.77	4.67	4.46	4.45	4.41	4.39
Connecticut	5.23	4.87	5.09	5.35	6.46	6.63	6.88	6.98
Delaware	8.18	8.76	8.27	7.87	7.29	6.80	6.67	6.58
District of Columbia	8.20	6.97	6.97	6.89	6.69	6.75	6.97	7.11
Florida	6.91	6.65	6.52	6.37	6.35	6.23	6.28	6.44
Georgia	8.77	6.66	7.84	7.15	5.36	4.07	2.60	2.80
Hawaii	14.90	14.45	14.46	14.00	13.28	13.08	13.19	13.41
Idaho	5.25	4.96	4.89	4.92	4.85	4.83	4.49	4.59
Illinois	7.15	8.43	7.87	7.07	6.50	4.79	4.40	4.45
Indiana	5.99	6.21	6.67	6.94	5.85	5.23	4.82	5.25
Iowa	5.80	6.19	6.25	6.44	5.51	4.67	4.11	4.29
Kansas	4.51	4.65	5.19	5.52	5.27	4.68	4.92	4.90
Kentucky	5.58	5.71	5.73	5.57	4.35	5.01	4.38	4.91
Louisiana	6.45	6.23	5.79	5.56	5.56	5.28	5.29	5.18
Maine	7.16	7.41	7.26	7.36	7.20	7.01	6.81	6.79
Maryland	8.74	7.33	7.78	8.27	7.42	7.02	6.12	6.90
Massachusetts	7.26	6.60	8.47	6.66	6.67	8.09	8.01	7.33
Michigan	5.75	6.12	5.90	5.71	5.17	4.97	4.72	4.71
Minnesota	5.01	4.64	4.49	4.60	4.37	4.00	4.19	4.24
Mississippi	4.79	5.06	4.62	4.62	4.96	4.52	4.40	5.13
Missouri	5.67	5.90	5.77	3.69	5.30	5.27	5.14	5.52
Montana	5.90	6.57	6.02	5.66	4.62	4.91	4.93	4.94
Nebraska	4.40	4.20	3.87	3.97	3.87	3.80	4.01	4.03
Nevada	6.53	6.36	6.52	6.43	6.12	6.13	5.92	5.95
New Hampshire	6.57	6.66	6.41	6.25	5.68	5.40	6.97	7.08
New Jersey	4.17	4.31	3.37	3.53	3.83	3.56	3.81	3.74
New Mexico	4.29	5.77	4.78	3.67	3.58	4.61	3.83	4.03
New York	4.24	3.77	3.91	3.99	5.31	5.87	4.58	6.31
North Carolina	6.04	6.19	6.04	6.03	5.77	5.54	5.79	6.35
North Dakota	5.40	5.22	5.31	5.25	4.06	4.05	4.19	4.14
Ohio	6.07	6.47	6.49	6.44	5.72	5.28	5.17	5.24
Oklahoma	5.36	5.30	5.37	5.92	4.93	4.65	5.04	5.18
Oregon	5.81	5.83	5.69	5.61	5.51	5.51	5.49	5.50
Pennsylvania	7.67	8.19	8.06	8.95	7.08	7.96	6.98	7.21
Rhode Island	8.60	14.15	8.95	8.72	8.47	8.05	7.75	7.77
South Carolina	6.14	6.03	5.92	6.02	6.06	6.47	6.42	6.96
South Dakota	5.57	6.00	5.30	5.38	4.92	4.24	3.91	4.17
Tennessee	5.19	6.06	5.97	5.64	5.55	5.46	5.56	5.77
Texas	4.91	4.36	4.58	4.10	4.75	4.89	3.67	3.86
Utah	3.99	4.10	4.19	3.85	3.31	3.24	4.25	4.14
Vermont	5.83	5.92	5.87	5.79	5.72	5.65	5.64	5.37
Virginia	6.44	6.27	6.15	5.73	5.85	5.77	5.61	5.99
Washington	5.25	5.97	5.12	5.43	5.04	4.91	4.84	4.74
West Virginia	7.07	6.99	7.25	7.32	6.94	6.19	6.26	6.28
Wisconsin	5.41	4.89	4.60	4.57	4.20	4.33	4.68	4.80
Wyoming	4.43	4.99	4.63	4.43	4.34	4.34	4.29	4.29
Total	5.55	5.46	5.44	5.29	5.34	5.32	4.97	5.28

NA Not Available.

Notes: Data for 1999 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 25 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 Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				September	August	July	June	May
Alabama	NA	3.35	3.28	5.06	NA	4.79	4.75	3.65
Alaska	1.49	1.21	1.38	1.59	1.60	1.55	1.51	1.40
Arizona	4.11	3.38	3.28	5.22	4.30	4.70	4.50	4.00
Arkansas	NA	3.32	3.49	4.13	NA	NA	NA	NA
California	4.91	3.17	3.83	6.84	5.55	5.75	5.09	4.53
Colorado	3.16	2.75	1.62	3.44	3.45	3.65	3.49	3.01
Connecticut	5.28	4.00	4.38	5.16	5.45	5.43	4.86	4.67
Delaware	4.82	3.97	4.28	7.00	5.79	7.18	5.14	4.90
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.76	3.58	4.00	5.63	5.29	5.08	5.29	4.88
Georgia	NA	3.18	4.23	4.64	4.35	4.58	NA	3.90
Hawaii	9.68	8.19	—	10.77	11.21	10.21	10.20	10.13
Idaho	3.64	3.25	3.10	4.05	3.96	4.47	3.43	3.44
Illinois	4.85	3.80	4.11	6.49	6.41	6.65	5.16	4.92
Indiana	4.40	4.20	4.45	3.82	4.56	4.13	4.60	5.04
Iowa	4.52	3.66	3.33	5.99	5.29	5.21	3.55	6.15
Kansas	3.74	2.81	3.19	3.12	3.96	4.10	3.81	3.28
Kentucky	4.34	3.15	4.09	5.93	5.37	4.76	4.41	4.03
Louisiana	3.48	2.37	2.53	4.66	2.61	4.57	4.41	3.27
Maine	NA	4.99	5.15	NA	NA	NA	NA	NA
Maryland	6.94	5.60	5.57	7.84	8.26	6.84	6.87	6.35
Massachusetts	NA	5.11	5.74	NA	NA	NA	NA	NA
Michigan	4.12	3.84	3.94	4.64	4.41	4.48	4.67	4.17
Minnesota	3.88	2.80	2.91	5.07	4.24	4.98	4.72	3.53
Mississippi	NA	3.13	3.27	NA	4.65	5.09	4.71	3.64
Missouri	5.03	4.17	4.43	4.44	6.44	5.71	5.13	5.03
Montana	4.75	3.44	4.74	6.12	6.37	5.69	3.75	4.44
Nebraska	4.14	3.27	3.28	5.27	4.98	5.08	4.70	3.68
Nevada	4.71	4.71	5.10	5.44	5.37	5.43	3.95	4.39
New Hampshire	NA	4.14	4.75	NA	NA	NA	NA	NA
New Jersey	NA	3.48	3.14	NA	NA	NA	4.39	3.96
New Mexico	3.90	2.70	3.48	4.98	5.11	4.73	2.74	3.41
New York	NA	3.70	4.19	4.95	NA	4.88	4.97	5.30
North Carolina	4.80	3.44	3.98	5.14	7.84	5.12	4.24	3.61
North Dakota	4.34	2.65	2.85	5.05	4.46	4.76	4.68	13.05
Ohio	5.37	3.86	4.41	6.74	6.71	6.50	4.44	5.44
Oklahoma	NA	3.43	3.71	NA	NA	5.32	5.38	4.58
Oregon	4.69	3.97	3.70	4.38	5.50	4.43	4.36	8.19
Pennsylvania	4.84	3.95	4.20	4.82	4.90	4.72	4.85	4.69
Rhode Island	4.91	4.17	3.82	7.09	5.16	5.64	5.42	4.77
South Carolina	4.50	3.22	3.31	5.61	4.80	5.14	5.15	4.10
South Dakota	3.64	3.22	3.35	4.58	3.51	4.25	4.03	3.83
Tennessee	NA	3.53	3.94	6.60	5.00	4.83	NA	4.25
Texas	NA	2.45	2.35	4.65	NA	NA	4.25	3.31
Utah	3.35	2.89	2.96	3.92	3.87	3.03	3.02	3.16
Vermont	4.35	2.83	2.88	5.00	4.56	4.41	4.52	3.98
Virginia	NA	3.67	3.91	4.66	4.89	5.15	4.70	4.74
Washington	3.30	2.68	2.73	3.71	2.75	2.82	3.25	3.26
West Virginia	4.65	2.93	3.38	5.20	4.63	5.04	4.77	3.12
Wisconsin	4.68	3.93	3.81	5.89	5.07	5.68	5.43	4.02
Wyoming	NA	3.30	3.38	3.53	NA	3.80	3.69	3.53
Total	3.96	3.02	3.20	4.81	4.21	4.45	4.31	3.73

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000				1999			
	April	March	February	January	Total	December	November	October
Alabama	3.57	3.44	3.47	3.45	3.42	3.54	3.91	3.49
Alaska	1.49	1.43	1.41	1.40	1.25	1.37	1.34	1.29
Arizona	4.10	3.53	3.54	3.38	3.42	3.44	3.63	3.55
Arkansas	NA	NA	NA	NA	3.45	3.71	3.80	3.79
California	4.45	4.37	4.45	3.82	3.34	3.89	4.26	3.87
Colorado	3.00	2.83	2.81	2.74	2.81	2.77	3.32	3.00
Connecticut	5.00	5.49	5.53	5.36	4.15	4.90	4.60	4.08
Delaware	5.05	4.24	5.40	2.64	4.07	3.87	5.13	4.50
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.93	4.49	4.40	4.06	4.03	3.77	3.96	3.54
Georgia	3.90	3.67	4.00	4.31	3.41	4.35	4.27	4.24
Hawaii	9.57	8.53	8.48	8.28	8.21	8.28	8.19	8.29
Idaho	3.53	3.42	3.50	3.54	3.29	3.55	3.51	3.29
Illinois	4.33	5.05	3.78	4.06	4.06	4.58	4.76	5.17
Indiana	4.47	4.47	5.68	3.60	4.16	3.96	4.20	4.10
Iowa	4.26	4.26	3.88	4.14	3.98	5.02	4.97	4.65
Kansas	3.86	3.56	4.03	3.59	2.93	3.49	3.76	3.39
Kentucky	3.76	3.60	4.07	3.87	3.32	4.14	3.67	3.36
Louisiana	3.15	2.94	2.92	2.77	2.54	2.66	3.54	2.70
Maine	5.42	5.80	5.16	4.60	4.93	4.98	4.71	4.60
Maryland	5.99	6.67	7.89	5.67	5.69	6.29	5.75	5.66
Massachusetts	NA	NA	NA	NA	5.23	5.85	5.54	4.98
Michigan	4.08	4.18	3.84	3.92	3.69	3.82	2.42	4.05
Minnesota	3.46	3.29	3.31	3.28	2.98	2.92	3.68	3.92
Mississippi	3.71	3.49	3.52	3.35	3.24	3.25	3.86	3.44
Missouri	5.04	4.65	5.12	4.87	4.42	4.94	4.34	4.42
Montana	5.88	4.22	4.51	4.40	3.44	3.33	3.36	4.01
Nebraska	3.65	3.77	3.70	3.51	3.38	3.59	4.09	3.62
Nevada	3.66	4.68	5.08	4.82	4.76	4.94	4.98	4.64
New Hampshire	5.39	NA	7.70	7.03	4.60	8.38	5.77	3.75
New Jersey	4.02	3.33	4.00	3.55	3.14	2.22	2.39	1.86
New Mexico	2.41	2.84	2.79	3.44	2.69	0.95	2.29	3.19
New York	NA	NA	4.98	5.13	3.89	4.10	4.13	4.09
North Carolina	4.21	4.71	5.13	5.04	3.78	3.44	4.81	5.72
North Dakota	3.21	3.07	3.02	3.17	2.80	2.91	3.45	3.15
Ohio	4.49	4.97	5.39	5.38	3.94	4.33	4.15	3.99
Oklahoma	4.46	4.48	4.63	4.51	3.51	3.93	3.85	3.36
Oregon	4.38	4.46	4.31	4.39	4.01	4.31	4.19	3.94
Pennsylvania	4.67	4.69	4.96	5.20	3.99	4.34	4.07	3.92
Rhode Island	4.67	5.34	5.54	2.61	4.40	5.44	5.05	5.07
South Carolina	4.01	3.94	4.16	4.03	3.39	3.60	4.17	3.75
South Dakota	3.39	3.52	3.46	3.37	3.35	3.76	3.68	3.75
Tennessee	4.33	4.32	4.36	4.20	3.72	4.43	4.52	4.19
Texas	3.08	2.80	2.72	2.55	2.55	2.53	2.94	2.78
Utah	2.69	3.44	3.39	3.45	2.94	3.60	2.96	2.83
Vermont	3.98	4.01	4.38	4.21	3.06	3.70	3.53	3.37
Virginia	NA	4.27	4.09	4.85	3.95	4.46	5.97	3.39
Washington	3.50	3.36	3.50	3.39	2.78	1.71	3.50	2.85
West Virginia	5.25	4.13	4.53	4.88	3.04	3.21	3.97	3.60
Wisconsin	4.45	4.26	4.32	4.24	4.05	3.72	4.93	3.78
Wyoming	3.36	3.28	3.30	3.34	3.30	3.32	3.29	3.31
Total	3.63	3.54	3.67	3.48	3.10	3.05	3.51	3.20

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	September	August	July	June	May	April	March	February
Alabama	3.69	3.42	3.16	3.24	3.39	3.34	3.16	3.44
Alaska	1.16	1.33	1.27	1.24	1.21	1.18	1.17	1.18
Arizona	3.48	3.29	3.26	3.62	3.11	3.26	3.71	3.42
Arkansas	3.51	3.81	3.35	3.22	3.29	3.11	3.20	3.30
California	2.61	3.53	3.33	3.20	3.08	3.11	3.27	2.80
Colorado	2.87	2.75	2.66	2.60	2.76	2.65	2.63	2.98
Connecticut	3.90	3.80	3.52	3.68	3.68	3.96	4.20	4.36
Delaware	4.53	4.15	4.06	4.01	3.40	4.17	3.91	3.84
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.89	3.70	3.83	3.68	3.59	3.41	3.30	3.54
Georgia	4.22	3.64	4.38	3.46	3.31	2.96	2.77	2.72
Hawaii	8.28	8.04	8.04	8.31	8.52	8.02	8.10	8.07
Idaho	3.23	3.22	3.59	3.21	3.22	3.26	3.14	3.23
Illinois	4.56	4.39	4.17	4.03	3.85	3.17	3.50	3.71
Indiana	4.23	3.69	4.51	4.41	5.46	4.65	3.50	4.04
Iowa	4.61	3.98	2.31	6.05	3.54	3.28	3.34	3.53
Kansas	2.83	2.63	2.55	2.51	2.97	2.98	3.18	3.26
Kentucky	3.38	3.28	3.01	2.92	3.11	2.92	3.12	3.37
Louisiana	2.93	2.73	2.50	2.37	2.21	2.34	1.97	2.02
Maine	4.44	4.58	4.38	4.37	4.40	6.11	5.76	6.05
Maryland	6.75	4.86	5.92	6.01	6.26	4.64	4.24	6.55
Massachusetts	5.31	4.71	5.64	4.30	5.10	5.36	5.19	5.95
Michigan	4.29	4.48	4.68	4.17	3.79	3.65	3.72	3.62
Minnesota	3.45	2.70	2.85	2.58	3.05	2.51	2.65	2.79
Mississippi	3.69	3.42	3.10	3.10	3.23	3.00	2.79	3.16
Missouri	4.14	3.93	3.70	3.92	3.90	3.98	4.01	4.59
Montana	4.33	4.60	4.30	4.54	3.28	3.63	3.63	3.62
Nebraska	3.67	3.50	3.15	3.40	3.15	3.04	3.20	3.11
Nevada	4.97	4.92	4.84	4.89	4.75	4.64	4.57	4.63
New Hampshire	3.75	3.64	3.48	3.61	1.54	2.07	6.45	6.78
New Jersey	7.88	1.31	1.70	1.67	1.68	5.25	3.35	1.53
New Mexico	2.58	2.45	2.85	3.79	1.72	2.51	3.89	1.79
New York	3.93	3.92	2.96	2.55	3.16	3.89	3.68	3.79
North Carolina	3.85	3.17	3.10	3.29	3.14	3.16	3.87	3.68
North Dakota	3.25	3.01	2.74	2.60	2.78	2.38	2.48	2.54
Ohio	3.86	4.47	5.00	4.12	2.61	3.91	3.70	3.88
Oklahoma	3.38	3.20	3.36	3.33	4.55	3.16	3.38	3.38
Oregon	4.08	4.01	3.93	3.94	3.96	3.89	3.69	4.38
Pennsylvania	3.71	3.64	3.51	3.60	3.72	3.98	4.19	4.23
Rhode Island	4.60	2.86	4.30	3.61	4.10	3.86	4.74	5.23
South Carolina	3.82	3.52	3.17	3.29	3.13	2.85	2.99	3.22
South Dakota	3.84	3.50	3.52	3.53	3.25	3.01	3.02	3.11
Tennessee	3.07	4.42	2.90	3.60	3.47	3.43	3.60	3.80
Texas	2.83	2.70	2.54	2.42	2.58	2.08	1.95	2.01
Utah	2.86	2.78	2.78	2.79	2.85	2.91	3.23	3.08
Vermont	3.21	3.00	2.81	2.80	2.78	2.72	2.70	2.73
Virginia	3.34	2.87	3.40	3.49	3.40	3.16	3.76	3.86
Washington	3.14	2.79	3.02	2.59	2.82	2.34	2.66	2.72
West Virginia	3.36	3.18	3.09	2.93	2.97	2.90	2.58	2.68
Wisconsin	4.33	3.98	3.47	3.63	3.55	4.00	3.92	4.03
Wyoming	3.17	3.36	3.39	3.28	3.27	2.75	3.97	3.40
Total	3.41	2.99	2.86	2.81	2.86	3.00	2.95	2.92

NA Not Available.

— Not Applicable.

Notes: Data for 1999 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 25 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 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet)

State	YTD 2000	YTD 1999	YTD 1998	2000				
				August	July	June	May	April
Alabama	4.57	2.64	2.56	4.94	4.37	4.68	4.75	3.45
Alaska	1.69	1.63	1.84	1.77	1.75	1.63	1.74	1.75
Arizona	4.11	2.54	2.49	4.45	4.70	4.75	3.77	3.40
Arkansas	3.87	2.54	2.31	4.43	4.69	4.72	3.79	3.20
California	4.19	2.67	2.84	4.85	4.68	4.87	4.19	3.54
Colorado	3.49	2.61	2.85	3.94	4.06	3.96	3.48	3.08
Connecticut	—	2.57	2.47	—	—	—	—	—
Delaware	4.82	2.78	2.90	5.30	6.05	5.10	4.20	5.87
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.08	2.97	2.35	4.73	5.10	5.15	3.89	3.68
Georgia	4.11	2.51	3.04	4.02	4.21	4.19	3.93	3.89
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	4.18	2.35	2.28	4.38	4.74	5.11	3.64	3.57
Indiana	4.19	2.86	2.87	4.38	4.43	5.80	4.42	4.19
Iowa	4.13	2.99	3.00	4.57	4.61	5.25	3.81	3.43
Kansas	3.81	2.31	2.18	4.41	3.99	3.87	3.54	3.15
Kentucky	5.32	3.13	3.28	4.73	5.09	6.06	7.17	5.83
Louisiana	3.88	2.46	2.46	4.47	4.64	4.75	3.62	3.22
Maine	—	—	—	—	—	—	—	—
Maryland	4.51	3.04	2.81	5.17	4.69	4.95	4.16	3.69
Massachusetts	4.23	2.63	2.90	5.07	4.74	4.97	3.97	3.67
Michigan	2.82	1.60	1.13	3.26	3.13	3.17	2.85	3.16
Minnesota	4.15	2.47	2.52	4.70	4.76	4.28	3.54	3.27
Mississippi	3.60	2.39	2.38	4.31	3.74	4.44	3.76	3.17
Missouri	4.14	2.60	2.25	4.73	4.45	4.51	3.77	3.23
Montana	4.83	4.27	5.00	5.26	5.35	4.94	3.37	3.53
Nebraska	4.31	2.68	2.48	4.43	4.78	4.33	4.07	3.53
Nevada	3.70	2.39	2.39	4.56	4.13	4.19	3.56	3.03
New Hampshire	3.27	2.74	—	—	—	—	3.70	3.47
New Jersey	4.38	3.03	2.76	—	5.19	4.77	3.79	3.77
New Mexico	3.49	2.21	2.28	4.35	4.38	4.27	3.35	2.99
New York	4.22	2.72	2.64	4.72	4.70	4.82	3.97	3.55
North Carolina	4.33	2.82	2.76	4.90	4.28	4.27	3.70	3.82
North Dakota	—	—	—	—	—	—	—	—
Ohio	4.50	3.00	3.31	5.97	5.35	3.39	5.49	1.25
Oklahoma	3.98	2.64	2.55	4.39	4.54	4.67	3.73	3.30
Oregon	2.57	1.84	1.37	2.40	2.81	3.35	2.75	2.50
Pennsylvania	3.51	3.02	3.12	—	3.18	5.09	3.42	3.25
Rhode Island	—	—	3.38	—	—	—	—	—
South Carolina	5.54	3.61	3.65	6.26	5.42	5.36	5.03	4.39
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.68	2.39	2.37	4.31	4.34	4.40	3.50	3.06
Utah	3.43	2.43	2.08	3.60	3.58	3.79	3.45	3.13
Vermont	4.31	3.22	2.93	4.70	4.40	4.66	3.83	3.56
Virginia	4.31	3.07	3.02	5.31	5.06	5.48	4.09	4.00
Washington	—	—	2.79	—	—	—	—	—
West Virginia	4.43	3.00	4.41	5.52	5.84	4.19	3.75	4.19
Wisconsin	4.03	2.85	2.75	4.77	4.94	4.86	3.80	3.49
Wyoming	4.02	4.11	8.67	4.61	3.42	4.27	3.72	3.31
Total	3.76	2.51	2.44	4.30	4.36	4.46	3.61	3.22

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	2000			1999				
	March	February	January	Total	December	November	October	September
Alabama	1.41	2.94	4.94	2.98	3.72	3.09	3.95	3.64
Alaska	1.63	1.64	1.62	1.59	1.57	1.55	1.48	1.40
Arizona	3.01	2.94	2.64	2.67	2.62	3.04	2.96	3.03
Arkansas	2.99	2.86	2.84	2.59	2.60	2.56	2.90	3.06
California	3.38	3.23	2.83	2.76	2.74	3.00	2.98	3.19
Colorado	2.86	2.78	2.51	2.65	2.66	2.84	3.13	2.94
Connecticut	—	—	—	2.74	3.20	3.06	3.02	2.88
Delaware	5.86	5.87	3.61	2.98	3.81	3.70	3.34	3.35
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.36	3.33	3.03	3.10	2.95	3.56	3.22	3.54
Georgia	3.41	11.20	1.20	2.57	2.85	3.65	3.13	2.62
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.11	3.14	2.78	2.41	2.37	2.25	3.15	2.86
Indiana	3.52	3.31	3.29	2.97	3.26	4.05	4.56	4.04
Iowa	3.26	3.19	3.00	3.15	3.14	3.12	3.54	3.52
Kansas	2.92	2.69	2.56	2.36	2.57	2.87	2.81	2.73
Kentucky	4.93	3.59	3.17	3.49	2.93	4.25	3.45	3.33
Louisiana	2.97	2.96	2.71	2.59	2.49	3.09	2.87	3.07
Maine	—	—	—	—	—	—	—	—
Maryland	3.35	3.72	3.84	3.20	3.60	3.68	3.25	3.29
Massachusetts	3.40	3.42	2.98	2.72	3.39	2.88	3.10	2.99
Michigan	3.19	2.06	1.78	1.53	1.58	1.69	0.96	1.19
Minnesota	3.13	3.56	2.62	2.69	3.23	4.20	3.52	3.08
Mississippi	2.84	2.94	2.66	2.49	2.52	2.56	2.82	2.79
Missouri	2.99	2.85	2.75	2.66	2.78	3.00	3.06	2.81
Montana	3.88	3.71	4.13	2.01	1.39	1.44	2.48	5.15
Nebraska	3.31	3.24	2.87	2.80	3.05	4.18	2.89	3.05
Nevada	2.90	2.69	2.99	2.51	2.72	2.78	2.68	2.78
New Hampshire	3.19	3.18	—	2.67	—	—	—	3.02
New Jersey	3.51	4.15	4.98	3.08	3.69	3.08	3.35	3.24
New Mexico	2.66	2.58	2.47	2.31	2.39	2.40	2.58	2.69
New York	3.47	4.20	3.96	2.85	3.14	3.19	3.28	3.20
North Carolina	4.28	4.35	4.21	2.92	4.72	4.70	3.61	3.11
North Dakota	—	—	—	—	—	—	—	—
Ohio	4.03	4.60	3.46	3.15	4.20	3.11	3.11	2.91
Oklahoma	3.20	3.44	3.08	2.79	3.07	3.43	3.15	3.18
Oregon	2.27	2.20	2.22	1.96	2.20	2.26	2.00	1.83
Pennsylvania	3.07	3.35	3.24	3.03	3.08	3.15	3.09	2.95
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	4.07	7.47	8.54	3.57	4.06	3.80	3.84	3.99
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.83	2.73	2.59	2.51	2.60	2.94	2.76	2.88
Utah	2.96	2.83	2.86	2.65	2.68	3.14	3.12	2.85
Vermont	3.32	3.33	3.09	3.23	2.92	3.78	2.17	3.25
Virginia	3.21	4.01	3.23	3.16	3.69	3.96	4.29	3.35
Washington	—	—	—	—	—	—	—	—
West Virginia	4.10	3.07	4.36	3.00	—	2.95	2.88	2.91
Wisconsin	3.23	3.16	3.22	2.93	2.97	3.44	3.29	3.45
Wyoming	2.94	2.70	2.82	3.89	1.98	2.39	3.95	5.75
Total	2.99	2.95	2.74	2.62	2.68	3.01	2.83	2.98

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 1998-2000

(Dollars per Thousand Cubic Feet) — Continued

State	1999							
	August	July	June	May	April	March	February	January
Alabama	2.28	3.26	2.73	2.70	2.52	2.25	2.07	2.22
Alaska	1.50	1.62	1.59	1.61	1.60	1.72	1.70	1.68
Arizona	2.84	2.56	2.62	2.67	2.22	2.13	2.29	2.32
Arkansas	2.96	2.58	2.49	2.52	2.22	1.88	1.94	2.04
California	3.00	2.71	2.57	2.73	2.42	2.75	2.55	2.70
Colorado	2.52	2.53	3.18	2.60	2.25	2.18	2.24	3.26
Connecticut	2.65	2.59	2.52	2.50	2.54	2.12	2.02	2.11
Delaware	3.06	2.72	2.71	2.53	2.46	2.46	2.98	3.34
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.33	2.98	3.04	3.14	2.66	2.58	2.86	2.86
Georgia	2.66	2.60	2.47	2.58	2.13	1.37	2.15	4.83
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.72	2.48	2.44	2.36	2.20	1.86	1.81	2.27
Indiana	2.86	2.82	2.79	3.19	3.14	2.71	2.78	2.99
Iowa	2.94	2.93	2.97	3.01	2.78	3.13	3.45	3.56
Kansas	2.60	2.31	2.35	2.35	2.08	1.80	1.96	2.24
Kentucky	3.26	2.88	3.15	5.12	3.77	3.33	2.99	2.51
Louisiana	2.91	2.55	2.52	2.58	2.25	2.01	2.09	2.13
Maine	—	—	—	—	—	—	—	—
Maryland	3.44	2.98	2.88	3.27	2.55	2.60	3.46	3.52
Massachusetts	2.99	2.73	2.75	2.58	2.26	2.10	2.13	2.43
Michigan	1.55	1.92	1.79	1.74	1.09	0.88	1.33	2.07
Minnesota	1.93	2.60	2.48	2.32	2.31	2.56	3.49	3.02
Mississippi	2.79	2.43	2.43	2.45	2.30	1.91	1.95	2.05
Missouri	2.91	2.54	2.48	2.41	2.31	2.16	2.29	2.34
Montana	6.14	4.20	4.40	10.99	5.69	7.37	5.20	2.04
Nebraska	3.24	2.59	2.63	2.72	2.46	1.37	2.79	2.28
Nevada	2.49	2.43	2.46	2.43	2.55	2.07	2.40	2.20
New Hampshire	3.02	2.43	2.44	—	—	—	—	—
New Jersey	3.37	2.97	2.88	2.85	2.94	2.46	2.76	2.95
New Mexico	2.68	2.30	2.31	2.22	2.05	1.79	1.89	2.03
New York	3.05	2.80	2.72	2.71	2.49	2.37	2.55	2.80
North Carolina	3.09	2.56	2.70	2.71	3.31	3.32	3.33	3.34
North Dakota	—	—	—	—	—	—	—	—
Ohio	2.98	3.34	2.99	2.42	2.06	2.99	3.32	3.88
Oklahoma	2.94	2.65	2.59	2.66	2.58	2.28	2.55	2.44
Oregon	1.66	1.78	1.99	1.91	1.79	1.67	1.83	2.01
Pennsylvania	3.12	3.40	2.36	3.18	2.55	3.02	2.98	2.94
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	3.85	3.47	3.70	3.46	2.94	3.02	2.86	3.00
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.83	2.44	2.40	2.44	2.17	1.99	2.09	2.10
Utah	2.67	2.39	2.43	2.36	2.36	2.56	2.19	2.24
Vermont	3.31	—	2.94	3.03	2.56	2.44	2.47	2.55
Virginia	3.42	2.78	3.39	2.89	2.79	3.09	3.12	3.18
Washington	—	—	—	—	—	—	—	—
West Virginia	2.93	3.13	3.08	2.81	3.12	2.96	2.93	3.19
Wisconsin	2.99	2.90	2.80	2.92	2.63	2.51	2.79	2.64
Wyoming	4.59	3.14	2.60	6.59	13.06	6.02	4.83	6.92
Total	2.86	2.58	2.53	2.57	2.29	2.15	2.26	2.32

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

— Not Applicable.

Notes: Data for 1998 and 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the

District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

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

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000

State	YTD 2000		YTD 1999		YTD 1998		2000	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	September	
							Commercial	Industrial
Alabama	77.3	NA	74.0	22.1	82.3	23.7	70.5	15.2
Alaska	73.2	93.7	53.2	99.7	49.6	99.2	75.1	99.7
Arizona	82.6	36.0	83.2	34.7	85.7	32.8	81.1	34.0
Arkansas	NA	NA	89.5	9.2	92.1	8.9	NA	10.6
California	55.2	5.1	57.3	9.5	51.2	9.4	49.2	4.2
Colorado	96.1	12.5	97.3	13.9	94.7	13.2	95.9	1.8
Connecticut	79.3	46.4	63.8	57.8	69.5	55.6	82.7	36.9
Delaware	98.2	11.0	99.0	18.5	100.0	22.6	94.9	12.0
District of Columbia	36.8	—	46.3	—	52.6	—	19.9	—
Florida	63.4	2.8	95.0	5.4	96.8	7.4	58.0	3.5
Georgia	NA	NA	80.7	22.8	85.4	26.8	15.7	30.1
Hawaii	100.0	100.0	100.0	100.0	100.0	—	100.0	100.0
Idaho	87.0	2.7	86.9	2.8	87.5	2.5	80.2	1.9
Illinois	40.3	8.0	43.4	9.2	48.8	8.9	32.9	6.1
Indiana	NA	7.5	79.1	5.7	80.0	9.5	NA	9.3
Iowa	78.3	6.2	83.6	7.3	85.9	6.2	69.1	5.9
Kansas	77.7	11.1	69.2	10.7	71.8	11.1	81.2	14.8
Kentucky	84.9	14.2	88.0	18.1	87.6	16.9	80.2	12.7
Louisiana	NA	8.9	94.1	8.3	95.0	7.8	96.3	8.2
Maine	NA	NA	100.0	78.6	100.0	87.9	NA	NA
Maryland	33.6	5.5	33.4	5.6	37.1	6.1	27.8	8.9
Massachusetts	NA	NA	56.3	17.2	56.7	13.3	NA	NA
Michigan	57.0	7.1	56.7	9.0	59.9	8.4	43.0	4.5
Minnesota	NA	37.4	97.2	38.5	98.1	39.9	99.0	33.7
Mississippi	NA	NA	96.2	26.6	94.6	37.3	NA	NA
Missouri	80.1	15.1	79.2	19.0	79.1	18.6	80.6	23.9
Montana	79.0	1.9	78.5	1.5	78.2	1.5	79.7	—
Nebraska	60.3	13.5	65.2	13.6	76.6	11.9	62.3	6.9
Nevada	53.7	4.7	61.4	7.8	71.5	3.1	44.3	9.6
New Hampshire	NA	NA	93.8	22.9	93.9	33.7	NA	NA
New Jersey	NA	NA	55.5	45.7	61.3	46.0	NA	NA
New Mexico	54.2	21.4	60.8	15.4	64.6	10.4	41.7	30.8
New York	NA	NA	58.0	3.6	52.8	5.5	NA	57.0
North Carolina	95.5	49.2	94.4	50.4	91.4	32.4	99.8	59.0
North Dakota	NA	13.9	87.8	13.9	83.1	13.2	82.6	9.0
Ohio	40.8	2.5	47.3	4.1	56.3	4.3	31.8	1.0
Oklahoma	NA	NA	72.8	3.8	74.7	3.7	NA	NA
Oregon	99.2	12.3	98.8	14.3	99.1	14.5	98.7	16.3
Pennsylvania	NA	10.3	57.6	11.4	56.7	13.2	NA	9.2
Rhode Island	55.2	10.0	54.7	4.3	62.0	7.3	39.5	100.0
South Carolina	98.7	84.0	97.2	86.0	98.2	86.7	100.0	85.2
South Dakota	80.4	27.6	81.3	37.9	83.4	32.5	70.9	13.1
Tennessee	NA	NA	88.0	35.3	87.8	34.5	74.0	21.4
Texas	NA	NA	77.2	22.0	80.9	14.2	79.2	16.1
Utah	83.5	10.0	82.2	9.6	82.1	8.2	80.3	94.2
Vermont	100.0	83.3	100.0	75.8	100.0	100.0	100.0	82.9
Virginia	65.0	NA	66.8	11.4	72.1	12.5	62.9	13.9
Washington	92.6	21.0	88.9	25.0	86.8	18.5	89.0	36.2
West Virginia	50.5	2.5	52.4	12.2	49.4	6.2	32.9	2.1
Wisconsin	79.1	18.3	78.6	20.0	72.9	21.7	64.5	16.2
Wyoming	NA	NA	90.9	3.0	89.5	2.0	22.0	4.6
Total	64.0	15.5	66.6	16.9	67.7	15.3	58.9	13.5

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	2000							
	August		July		June		May	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	74.1	NA	73.6	14.4	71.6	14.2	75.4	13.9
Alaska	76.9	99.9	77.3	99.9	81.7	99.9	68.1	99.8
Arizona	84.5	34.7	81.9	33.3	82.5	38.6	80.6	32.8
Arkansas	100.0	NA						
California	46.4	4.1	51.7	4.5	57.3	5.1	55.3	5.5
Colorado	96.6	3.2	96.7	3.3	97.2	1.9	96.9	0.7
Connecticut	81.1	64.3	83.1	50.3	80.7	45.4	79.4	53.2
Delaware	98.4	9.1	98.7	3.2	98.3	9.6	98.6	7.3
District of Columbia	21.7	—	28.6	—	28.0	—	30.0	—
Florida	59.7	3.3	60.3	3.2	61.7	4.3	63.5	3.7
Georgia	15.6	22.5	15.8	31.7	NA	NA	19.2	34.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	81.7	2.5	83.5	2.2	85.0	1.9	82.8	2.3
Illinois	28.9	4.8	26.2	5.6	25.9	4.9	32.5	4.6
Indiana	67.6	8.0	68.4	7.9	67.5	6.3	72.0	5.7
Iowa	75.4	4.6	69.0	3.7	66.2	7.1	51.6	4.7
Kansas	80.5	18.4	79.6	18.9	80.4	13.5	82.3	8.4
Kentucky	79.2	15.1	79.8	13.7	76.3	15.6	77.3	14.3
Louisiana	NA	7.1	96.2	9.6	96.7	9.4	96.8	8.2
Maine	NA							
Maryland	30.6	3.6	27.1	8.7	22.9	4.4	27.2	5.7
Massachusetts	NA							
Michigan	41.1	4.5	36.6	4.8	41.6	5.8	50.8	7.2
Minnesota	98.6	41.2	97.2	37.0	96.3	24.9	98.3	59.6
Mississippi	100.0	54.3	94.7	35.1	92.1	46.3	93.7	45.9
Missouri	65.5	7.9	67.5	10.4	68.9	10.8	74.8	12.1
Montana	75.7	—	74.7	—	70.4	—	74.5	0.1
Nebraska	64.3	15.0	67.1	6.0	47.8	11.4	53.1	17.2
Nevada	42.2	12.1	36.4	20.2	46.0	14.0	48.0	16.2
New Hampshire	NA							
New Jersey	NA	NA	NA	NA	43.7	31.3	70.4	26.9
New Mexico	54.3	28.4	49.0	20.5	44.2	21.3	53.5	17.4
New York	NA	NA	NA	22.5	53.7	17.4	NA	16.4
North Carolina	84.5	26.4	100.0	65.3	100.0	66.8	100.0	62.2
North Dakota	83.8	9.8	80.4	16.0	82.8	5.0	82.4	12.8
Ohio	30.1	0.8	29.9	1.2	26.2	1.4	38.6	1.6
Oklahoma	NA	NA	53.3	5.9	76.2	4.8	65.7	7.3
Oregon	98.8	13.1	98.9	15.7	99.1	16.7	99.1	9.2
Pennsylvania	50.7	9.0	68.6	11.9	62.4	10.2	NA	8.8
Rhode Island	40.1	100.0	42.3	100.0	46.7	100.0	61.2	100.0
South Carolina	95.2	78.8	100.0	85.6	100.0	85.4	100.0	87.2
South Dakota	77.7	10.9	72.7	14.2	73.5	18.8	79.1	31.6
Tennessee	85.7	20.9	84.7	27.2	NA	NA	89.4	28.3
Texas	NA	NA	NA	NA	80.6	19.9	81.9	16.5
Utah	75.2	94.6	77.9	94.3	77.9	95.1	77.0	94.4
Vermont	100.0	79.6	100.0	81.0	100.0	92.4	100.0	82.0
Virginia	56.3	16.8	55.0	12.6	53.3	10.9	53.7	15.6
Washington	88.0	27.3	89.3	28.6	90.9	26.9	91.1	29.9
West Virginia	33.7	2.0	31.3	2.3	34.4	2.2	46.1	2.1
Wisconsin	66.9	15.4	66.2	15.0	68.3	15.5	73.6	11.8
Wyoming	NA	NA	93.9	2.8	22.3	16.5	33.0	2.5
Total	56.8	15.1	59.3	15.9	61.0	15.4	63.6	14.6

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	2000							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	73.7	16.5	76.3	14.9	83.6	18.1	79.5	17.0
Alaska	73.7	99.9	74.8	99.8	71.1	99.8	69.6	99.8
Arizona	81.5	27.5	82.7	38.7	83.1	40.8	84.5	42.0
Arkansas	NA							
California	56.5	6.2	58.7	6.1	59.8	7.0	58.0	6.4
Colorado	97.1	0.4	96.6	0.3	93.3	0.3	96.7	0.3
Connecticut	77.1	30.6	79.4	45.9	80.8	52.9	73.9	43.3
Delaware	98.6	11.0	97.2	17.2	98.2	11.8	98.2	14.5
District of Columbia	34.2	—	37.4	—	49.3	—	48.9	—
Florida	64.4	4.1	65.8	3.2	67.6	2.5	65.8	3.8
Georgia	15.0	30.5	15.8	29.4	13.5	31.8	8.8	26.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.1	2.8	87.7	3.6	89.1	3.7	89.5	3.3
Illinois	40.4	7.4	44.1	8.0	45.5	9.9	44.8	10.7
Indiana	79.6	8.0	80.0	8.4	81.7	6.7	75.0	9.3
Iowa	77.1	5.5	83.8	8.7	84.2	8.0	85.6	8.4
Kansas	80.2	6.0	74.9	7.6	77.1	5.0	72.6	4.3
Kentucky	84.2	14.2	84.5	14.2	88.5	12.2	87.8	15.5
Louisiana	97.4	8.2	97.1	8.2	98.0	7.9	93.9	8.2
Maine	100.0	55.1	NA	57.1	100.0	55.1	100.0	56.3
Maryland	27.5	1.4	35.1	6.1	41.2	7.1	38.9	8.8
Massachusetts	NA							
Michigan	56.0	9.3	61.0	10.1	64.5	13.8	63.7	12.5
Minnesota	96.1	39.6	95.9	38.9	95.1	34.2	NA	39.7
Mississippi	95.1	43.0	96.0	43.4	96.7	46.3	98.8	29.3
Missouri	78.9	15.3	81.7	16.4	85.5	17.1	83.3	23.1
Montana	77.0	0.1	81.9	0.2	82.9	0.2	79.7	0.2
Nebraska	55.7	15.1	58.9	17.0	66.0	19.1	61.9	20.0
Nevada	53.6	19.2	60.6	26.5	62.5	26.9	67.3	31.4
New Hampshire	85.7	38.2	NA	NA	94.9	32.7	93.9	28.0
New Jersey	41.4	26.3	41.3	26.5	42.4	23.4	38.1	26.1
New Mexico	29.9	19.1	61.4	14.0	62.7	13.9	63.8	9.0
New York	NA	NA	NA	NA	NA	33.6	NA	46.0
North Carolina	99.8	59.6	91.6	27.9	93.1	40.2	97.2	30.8
North Dakota	72.0	13.3	89.4	18.3	89.2	25.7	NA	22.8
Ohio	41.7	2.2	39.7	2.6	45.2	3.5	45.5	3.4
Oklahoma	74.2	7.7	77.4	8.3	83.4	9.1	84.3	9.4
Oregon	99.1	16.7	99.2	19.4	99.4	19.9	99.4	18.3
Pennsylvania	57.1	10.0	59.9	9.1	59.8	9.5	60.1	10.5
Rhode Island	49.5	100.0	60.7	100.0	62.7	100.0	57.1	100.0
South Carolina	100.0	87.2	95.6	80.1	99.8	82.6	98.0	80.3
South Dakota	95.7	44.1	68.6	45.5	84.6	44.8	85.2	48.2
Tennessee	90.7	25.8	92.8	24.5	91.9	24.7	95.3	26.0
Texas	80.1	17.3	81.1	20.0	86.1	19.2	74.2	25.3
Utah	79.4	92.0	84.2	94.9	88.6	94.5	87.1	93.2
Vermont	100.0	81.5	100.0	80.8	100.0	83.0	100.0	87.4
Virginia	64.8	NA	65.1	18.8	69.1	17.1	74.2	20.7
Washington	93.0	23.1	94.6	31.5	93.9	31.4	94.5	34.0
West Virginia	49.3	2.7	48.1	2.8	71.0	2.7	57.3	3.5
Wisconsin	79.1	18.9	81.4	19.3	83.5	20.6	84.0	22.6
Wyoming	42.7	2.0	52.2	2.8	39.9	2.4	50.0	1.3
Total	64.3	15.5	64.2	15.8	68.0	16.6	66.8	17.1

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	Total		December		November		October	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	70.5	21.8	69.1	21.8	58.3	20.7	51.9	20.5
Alaska	55.4	99.1	62.2	97.5	61.9	97.6	54.8	97.4
Arizona	82.5	36.2	81.3	42.2	78.7	42.9	79.7	38.5
Arkansas	89.3	10.1	91.9	10.6	85.2	11.3	84.9	11.2
California	57.4	12.9	58.1	11.4	54.5	10.0	55.7	10.9
Colorado	97.5	7.1	98.1	2.5	98.0	3.0	97.8	4.1
Connecticut	62.9	55.8	62.3	50.1	58.4	51.1	56.6	52.4
Delaware	98.8	16.6	98.0	12.6	98.2	13.6	98.4	9.2
District of Columbia	46.0	—	50.3	—	43.5	—	36.6	—
Florida	94.5	5.0	92.8	5.3	92.9	4.6	92.6	4.7
Georgia	61.0	23.9	9.5	35.6	11.0	26.1	14.5	26.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.0	2.7	85.6	2.5	82.4	2.5	78.9	2.1
Illinois	42.8	9.1	43.1	10.0	39.5	9.3	39.8	7.0
Indiana	78.3	5.8	79.3	7.2	76.9	6.0	67.8	4.2
Iowa	83.4	7.4	83.7	8.7	83.2	7.2	79.7	7.2
Kansas	66.7	10.1	59.9	5.7	54.5	9.4	59.0	9.4
Kentucky	88.0	18.4	90.0	20.1	85.8	17.5	84.3	20.1
Louisiana	93.8	8.5	91.8	8.2	93.2	10.1	93.4	8.9
Maine	100.0	78.2	100.0	80.4	100.0	73.3	100.0	77.5
Maryland	33.4	6.5	37.4	6.8	30.5	8.0	28.1	5.2
Massachusetts	59.8	36.9	74.6	48.0	70.3	55.3	71.4	60.8
Michigan	56.6	11.1	61.5	10.5	54.8	13.4	46.7	6.5
Minnesota	97.2	39.8	97.4	44.9	95.5	40.2	99.0	46.5
Mississippi	96.0	26.3	96.0	24.6	95.4	26.3	94.1	25.5
Missouri	78.6	18.5	80.5	22.6	72.7	16.4	71.1	13.1
Montana	79.9	1.7	85.5	2.7	82.0	2.6	80.2	1.5
Nebraska	66.6	14.2	70.0	20.4	69.6	17.6	78.8	12.5
Nevada	60.9	22.5	65.0	28.1	55.1	22.7	53.4	22.8
New Hampshire	93.2	24.3	92.4	30.6	91.9	31.4	89.5	26.1
New Jersey	56.0	47.9	60.2	45.0	56.1	40.8	56.0	57.1
New Mexico	62.9	16.4	69.9	16.0	69.7	25.0	64.8	17.8
New York	57.3	14.3	56.2	25.4	56.2	24.8	52.5	25.9
North Carolina	93.8	47.8	90.2	27.7	98.8	59.0	84.8	34.2
North Dakota	88.3	14.9	91.2	23.1	87.5	17.3	88.6	14.5
Ohio	46.6	4.1	48.4	5.0	39.8	3.1	40.1	2.7
Oklahoma	71.8	3.9	74.8	5.3	62.9	3.9	58.2	3.5
Oregon	98.8	13.6	99.1	11.7	99.0	11.9	98.2	11.9
Pennsylvania	56.9	11.8	59.7	12.3	52.2	11.9	50.1	10.6
Rhode Island	53.3	6.5	69.9	5.2	34.9	5.6	43.6	5.9
South Carolina	97.1	86.1	96.1	84.6	100.0	89.9	94.6	84.8
South Dakota	81.2	37.0	83.4	40.9	80.4	37.6	75.6	25.5
Tennessee	88.8	34.7	94.2	32.1	91.4	30.8	85.0	34.7
Texas	77.3	23.7	82.2	38.7	72.5	24.6	75.1	27.7
Utah	82.9	9.5	86.9	6.7	82.8	11.0	79.9	10.7
Vermont	100.0	76.6	100.0	80.8	100.0	77.8	100.0	75.9
Virginia	67.5	12.1	73.2	14.3	68.0	15.8	62.8	12.7
Washington	89.4	24.0	91.3	22.5	89.7	22.2	90.7	21.0
West Virginia	51.8	10.8	55.6	6.8	50.1	7.3	40.5	7.2
Wisconsin	79.0	20.2	83.0	22.4	77.3	19.6	77.0	20.3
Wyoming	89.2	2.9	86.7	2.5	82.3	2.3	83.4	3.4
Total	66.2	18.8	67.6	21.3	63.0	17.7	61.7	17.5

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	September		August		July		June	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	55.7	20.8	54.0	20.5	57.8	20.9	60.2	22.3
Alaska	56.7	100.0	55.9	99.9	56.3	98.4	57.4	100.0
Arizona	79.7	40.9	78.8	33.4	81.5	35.6	82.2	37.2
Arkansas	86.4	10.3	86.8	8.8	83.7	8.5	83.0	7.9
California	51.5	14.3	39.3	10.3	54.1	11.3	62.2	12.3
Colorado	96.1	13.4	95.7	20.1	95.7	16.3	97.7	4.9
Connecticut	52.0	57.3	51.7	52.6	55.7	52.6	56.9	60.4
Delaware	98.3	10.4	98.3	15.4	98.4	15.3	98.2	16.7
District of Columbia	32.3	—	31.5	—	34.4	—	33.7	—
Florida	93.7	4.1	93.4	4.0	93.4	4.4	94.8	4.6
Georgia	37.8	18.3	72.2	32.5	71.0	24.8	72.2	22.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	80.4	2.1	82.0	3.4	83.6	2.8	83.3	2.8
Illinois	35.6	8.2	25.4	5.7	27.2	5.9	34.8	7.5
Indiana	67.8	3.4	66.9	4.7	57.1	3.4	74.3	4.0
Iowa	71.9	7.0	75.3	7.0	72.6	7.0	76.7	5.8
Kansas	64.2	17.4	56.5	17.8	54.8	14.9	59.2	7.8
Kentucky	83.9	17.6	80.9	17.8	81.1	18.0	81.8	14.5
Louisiana	93.3	9.3	94.2	9.0	93.7	8.3	95.2	7.5
Maine	100.0	76.4	100.0	74.5	100.0	72.0	100.0	74.8
Maryland	23.8	5.0	24.5	4.8	24.1	4.8	23.5	6.0
Massachusetts	70.3	38.5	66.2	42.1	60.8	35.6	34.2	23.0
Michigan	38.0	5.5	29.7	5.0	35.3	5.2	37.5	5.4
Minnesota	97.6	39.3	97.7	36.1	98.2	38.6	97.8	45.8
Mississippi	94.6	26.6	94.4	25.3	94.6	24.7	94.9	26.3
Missouri	66.6	13.0	67.4	12.0	49.5	11.2	72.7	13.9
Montana	75.4	0.8	68.5	0.5	70.1	1.0	65.3	0.4
Nebraska	60.9	9.8	86.8	8.9	69.2	6.4	63.9	13.2
Nevada	48.9	15.6	49.5	15.8	49.9	16.8	54.4	17.3
New Hampshire	88.7	23.4	88.2	22.8	88.6	21.9	89.4	20.1
New Jersey	58.5	46.5	53.3	32.9	54.9	47.7	52.0	47.9
New Mexico	54.3	24.6	45.8	19.2	53.6	18.6	59.1	22.5
New York	52.4	27.6	48.4	18.2	49.7	7.2	55.8	8.1
North Carolina	99.3	66.9	87.6	52.5	87.9	58.2	88.5	53.6
North Dakota	82.1	11.8	77.1	11.4	78.8	10.8	76.0	16.1
Ohio	33.4	1.9	34.8	1.8	32.6	1.2	31.8	2.1
Oklahoma	54.4	3.1	59.8	2.7	56.7	2.5	20.6	2.5
Oregon	98.3	12.1	98.5	11.8	98.8	12.2	98.6	14.0
Pennsylvania	49.0	9.5	45.2	9.9	51.7	11.3	50.4	11.5
Rhode Island	39.9	5.7	16.3	8.8	46.5	5.2	46.7	6.5
South Carolina	99.9	89.6	95.5	84.1	95.6	84.3	95.8	83.6
South Dakota	71.5	26.3	69.8	20.3	73.9	20.7	60.1	33.3
Tennessee	83.6	41.9	79.6	28.3	77.7	36.9	80.1	35.3
Texas	73.4	24.7	76.6	36.2	69.3	21.4	75.4	19.6
Utah	75.4	9.5	74.4	9.0	76.0	8.4	72.9	14.4
Vermont	100.0	70.5	100.0	67.3	100.0	69.4	100.0	69.5
Virginia	60.9	10.9	59.3	5.8	64.1	10.3	58.3	7.5
Washington	87.9	20.2	83.8	19.6	83.5	22.4	83.9	31.2
West Virginia	37.8	12.8	31.1	12.6	33.6	12.4	33.4	14.4
Wisconsin	67.1	15.7	67.8	15.3	64.4	18.6	61.6	16.5
Wyoming	85.2	2.5	69.2	2.5	83.6	3.4	85.0	3.8
Total	60.0	17.5	56.6	18.8	58.2	15.7	61.1	15.8

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1998-2000 — Continued

State	1999							
	May		April		March		February	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	73.1	21.6	80.7	21.9	80.9	22.9	81.8	23.1
Alaska	58.9	99.9	53.5	99.9	50.6	99.9	47.4	99.9
Arizona	82.6	42.4	82.7	30.6	84.8	26.3	84.8	34.1
Arkansas	83.8	8.8	89.7	9.3	90.2	10.2	91.4	11.2
California	51.4	13.7	62.7	14.8	61.6	15.7	60.6	16.9
Colorado	98.2	4.6	97.2	6.2	98.3	3.3	96.7	2.6
Connecticut	53.7	53.0	73.0	62.1	67.5	56.6	69.8	65.2
Delaware	98.7	22.7	98.9	17.9	98.6	23.2	98.9	24.4
District of Columbia	39.2	—	43.3	—	53.6	—	52.2	—
Florida	95.1	6.0	95.7	4.6	95.6	6.0	95.6	5.6
Georgia	80.4	22.5	84.8	27.0	83.7	23.9	83.1	19.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	85.5	2.3	87.0	2.6	87.8	2.8	88.8	3.1
Illinois	36.0	7.4	42.2	11.6	49.0	10.2	47.3	11.1
Indiana	76.9	3.8	78.3	4.8	85.2	10.2	77.9	9.2
Iowa	93.7	5.9	77.5	7.2	87.5	7.5	84.9	8.0
Kansas	63.9	7.6	70.2	7.3	71.0	6.8	74.3	7.0
Kentucky	85.5	18.4	85.0	18.2	89.7	18.5	90.0	20.1
Louisiana	94.4	7.4	95.6	7.3	93.8	8.4	93.5	8.8
Maine	100.0	74.6	100.0	72.9	100.0	79.2	100.0	73.6
Maryland	25.7	4.4	27.3	3.1	35.2	10.4	38.9	7.9
Massachusetts	43.5	26.1	38.0	25.5	58.7	32.2	76.8	35.9
Michigan	45.3	7.2	56.6	14.3	62.2	16.3	63.4	17.5
Minnesota	97.6	31.0	97.2	39.0	96.9	41.3	97.1	35.6
Mississippi	96.2	26.3	97.7	27.3	96.8	25.2	96.4	27.7
Missouri	77.3	14.3	82.6	17.5	84.5	25.1	80.5	34.4
Montana	75.6	1.7	78.1	1.7	80.4	1.8	80.5	1.7
Nebraska	67.5	16.6	65.6	18.6	68.3	17.7	64.1	21.7
Nevada	59.0	17.3	62.0	23.7	66.6	26.2	68.1	28.9
New Hampshire	92.3	22.2	94.2	27.2	94.5	19.6	95.3	24.1
New Jersey	48.7	47.3	53.2	50.6	56.5	50.2	56.0	51.2
New Mexico	47.7	15.2	63.1	5.8	66.8	13.0	61.2	6.6
New York	48.9	2.7	58.8	6.9	62.3	7.6	61.8	10.1
North Carolina	90.4	53.6	91.1	45.6	97.2	41.1	96.8	39.8
North Dakota	84.9	5.9	86.5	14.3	89.4	13.6	88.7	20.3
Ohio	36.3	3.4	40.7	3.7	50.5	6.5	49.2	6.5
Oklahoma	66.8	3.3	75.1	4.0	78.6	4.8	78.4	5.2
Oregon	98.7	14.0	98.7	15.0	98.7	16.4	99.0	15.8
Pennsylvania	57.2	12.0	55.1	11.6	59.1	12.7	59.8	12.0
Rhode Island	48.9	6.3	56.2	8.5	60.3	12.7	61.5	6.0
South Carolina	96.2	87.9	96.9	87.6	97.8	85.9	97.2	85.3
South Dakota	78.7	38.9	83.2	41.9	84.2	47.5	84.1	50.1
Tennessee	80.9	35.0	88.1	33.3	90.1	37.9	90.3	34.4
Texas	69.1	19.9	73.0	18.8	80.8	16.1	83.9	13.4
Utah	80.1	8.4	83.0	7.8	82.8	8.0	85.7	10.5
Vermont	100.0	69.6	100.0	77.0	100.0	82.7	100.0	82.1
Virginia	62.1	10.2	57.4	10.2	67.4	18.9	69.7	16.6
Washington	87.4	25.1	88.0	25.5	90.6	27.7	90.4	29.6
West Virginia	41.3	11.5	56.9	13.0	60.8	12.2	60.4	11.2
Wisconsin	65.4	17.2	77.6	20.5	82.2	21.6	82.6	22.3
Wyoming	88.6	3.8	89.6	2.7	89.1	2.7	97.6	3.3
Total	61.1	16.0	65.4	16.6	69.3	17.4	69.7	16.8

NA Not Available.

— Not Applicable.

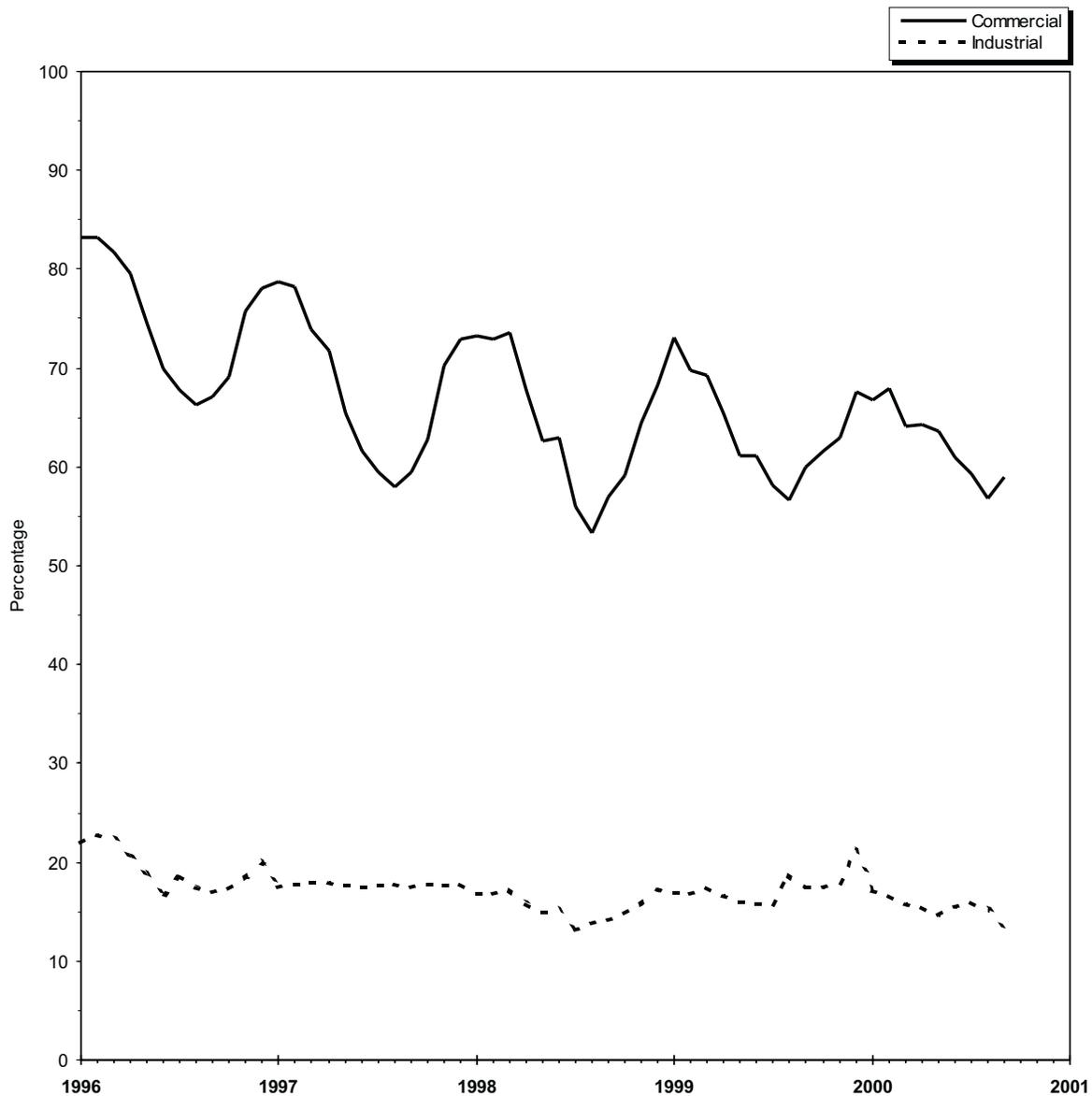
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

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

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1996-2000



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 26. Gas Home Customer-Weighted Heating Degree Days

Census Divisions	Cumulative November 1 through November 30				
	Normal ^a	1999	2000	Percent Change	
				Normal to 2000	1999 to 2000
New England					
CT, ME, MA, NH, RI, VT	692	608	723	4.5	18.9
Middle Atlantic					
NJ, NY, PA	646	537	692	7.1	28.9
East North Central					
IL, IN, MI, OH, WI	730	592	788	7.9	33.1
West North Central					
IA, KS, MN, MO, ND, NE, SD	788	564	921	16.9	63.3
South Atlantic					
DE, FL, GA, MD and DC, NC, SC, VA, WV	421	356	499	18.5	40.2
East South Central					
AL, KY, MS, TN	431	350	507	17.6	44.9
West South Central					
AR, LA, OK, TX	280	198	397	41.8	100.5
Mountain					
AZ, CO, ID, MT, NV, NM, UT, WY	715	546	925	29.4	69.4
Pacific ^b					
CA, OR, WA	342	310	445	30.1	43.5
U.S. Average ^b	559	452	648	15.9	43.4

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

^b Excludes Alaska and Hawaii.

Note: See Appendix A, Explanatory

Note 10 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 (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

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

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

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

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

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

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the NGM, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production carbon dioxide, helium, hydrogen sulfide, and nitrogen are reported by State agencies on the voluntary Form EIA-895. Eleven of the 33 producing States reported data on nonhydrocarbon gases removed during 1999. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

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. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

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

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

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

All monthly data are considered preliminary until after the publication of the Natural Gas Annual for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Final Monthly Data

Monthly data are revised after publication of the Natural Gas Annual. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

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

Estimated Monthly Data

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

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

Preliminary Monthly Data

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

Final Monthly Data

Final monthly data are the sums of monthly data reported on the annual Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," annual schedule.

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.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct im-

part of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

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

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the Natural Gas Annual. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

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

Final Monthly Data

Monthly data are revised after publication of the Natural Gas Annual. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the Natural Gas Annual for a complete discussion of this process.

Note 6. Extraction Loss

Annual Data

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

Preliminary Monthly Data

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

Final Monthly Data

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

Note 7. Natural Gas Storage

Underground Natural Gas Storage

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

Underground and Liquefied Natural Gas Storage

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

Types of Underground Storage Facilities

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

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States re-

ported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, *Gas Daily* (published by Financial Times Energy). The spot prices are published in another trade publication, *Natural Gas Week* (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the *Natural Gas Monthly*. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

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 temperature 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.

Appendix B

Data Sources

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

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is 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. form was approved for use beginning with report year 1990.

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 were categorized as firm or interruptible. Commercial and

industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the "Change in Definition of Consumption Sector" below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.

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 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 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 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multi-line 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 were due by March 1st. Extensions of the filing deadline for up to 30 days were granted to any respondent upon request.

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

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-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the 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. It was also designed to avoid duplication of the efforts involved in the collection of 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 were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," 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." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. 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

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

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period.

Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon gases removed in 1999 were reported by the appropriate agencies of 11 of the 33 producing States. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (114,657), Colorado (380,081), and New Mexico (610,062).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

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

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or

resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

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

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

Survey Design

The Form EIA-191, "Monthly Underground Natural Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is 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 140 companies that operate underground facilities file the 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. 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 December 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 re-file 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.

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 approximately 400 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. 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,

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,538 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1995 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability

proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 1995. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

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

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

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial

and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

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

$$C_j = \frac{X_{.j}}{2n} \quad (1)$$

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.

A uniform random number R was selected between zero and $\left(I = \frac{X_2}{m} \right) I$. 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 industrial gas and companies delivering only to residential or commercial customers.

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

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

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

Estimation Procedures

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

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

$$E_{vj} = \frac{Y_j}{Y'_j} \quad (3)$$

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 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

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

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

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

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

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,

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

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

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

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

The formula for revising the estimated consumption is:

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

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:

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

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, September 2000

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	89	138	1,636	1,644	0.44	2.22	3.26
Alaska	0	0	0	0	—	—	—
Arizona	0	0	0	0	—	—	—
Arkansas	NA	NA	87	NA	NA	NA	0.17
California	183	110	2,837	2,845	0.01	0.06	1.22
Colorado	288	230	243	442	0.58	1.27	2.33
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	76	43	1,491	1,493	1.33	1.74	1.84
Georgia	246	137	4,538	4,546	0.45	1.13	7.31
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	486	1,854	4,035	4,467	0.54	0.42	0.32
Indiana	NA	NA	3,032	NA	NA	NA	0.77
Iowa	13	25	120	123	0.27	0.14	0.22
Kansas	58	11,983	31,282	33,499	2.36	1.62	2.64
Kentucky	233	269	169	394	1.08	0.93	0.08
Louisiana	238	27	3,104	3,113	1.27	0.05	0.10
Maine	NA	NA	NA	NA	NA	NA	NA
Maryland	1	15	47	50	0.01	0.08	0.08
Massachusetts	NA	NA	NA	NA	NA	NA	NA
Michigan	84	254	658	710	0.13	0.10	0.09
Minnesota	207	207	793	845	0.18	0.15	0.31
Mississippi	NA	NA	NA	NA	NA	NA	NA
Missouri	0	0	0	0	—	—	—
Montana	2	3	0	4	0.02	0.03	—
Nebraska	16	48	659	660	0.35	0.27	0.30
Nevada	0	0	0	0	—	—	—
New Hampshire	NA	NA	NA	NA	NA	NA	NA
New Jersey	NA	NA	NA	NA	NA	NA	NA
New Mexico	138	273	855	908	0.90	1.08	0.43
New York	NA	NA	4,982	NA	NA	NA	0.29
North Carolina	18	41	173	179	0.09	0.04	0.81
North Dakota	0	0	0	0	—	—	—
Ohio	169	9,057	6,300	11,034	1.01	0.12	0.45
Oklahoma	NA	NA	NA	NA	NA	NA	NA
Oregon	0	0	0	0	—	—	—
Pennsylvania	NA	NA	0	NA	NA	NA	—
Rhode Island	0	0	0	0	—	—	—
South Carolina	10	26	731	732	0.17	0.09	0.07
South Dakota	0	0	0	0	—	—	—
Tennessee	86	200	1,821	1,834	0.51	0.33	2.08
Texas	163	3,179	7,004	7,693	0.73	1.20	1.04
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	172	160	150	279	0.93	0.13	1.19
Washington	0	0	0	0	—	—	—
West Virginia	26	359	577	680	0.86	0.77	2.11
Wisconsin	410	125	121	446	0.03	1.03	0.49
Wyoming	3	189	86	208	0.03	0.19	0.79
Total	1,115	16,802	34,219	38,138	0.09	0.47	0.56

NA Not Available.
— Not Applicable.

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

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

<i>Natural Gas 1998: Issues and Trends - Executive Summary</i>	April 1999
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>EIA Corrects Errors in EIA's Drilling Activity Estimates Series</i>	March 1998
<i>Recent Trends in Natural Gas Spot Prices</i>	December 1997
<i>Natural Gas Residential Pricing Developments During the 1996-97 Winter</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Intricate Puzzle of Oil and Gas Reserves Growth</i>	July 1997
<i>Restructuring Energy Industries: Lessons from Natural Gas</i>	May 1997

Special Focuses

<i>Status of Natural Gas Pipeline System Capacity Entering the 2000-2001 Heating Season</i>	October 2000
<i>Corporate Realignments and Investments in the Interstate Natural Gas Transmission System</i>	October 1999
<i>Deliverability on the Interstate Natural Gas Pipeline System</i>	May 1998
<i>Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary</i>	September 1997
<i>Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade</i>	August 1997
<i>Outlook for Natural Gas Through 2015</i>	January 1997
<i>Natural Gas Productive Capacity</i>	January 1997

Special Reports

<i>Natural Gas Winter Outlook 2000-2001</i>	October 2000
<i>U.S. Natural Gas Imports and Exports - 1999</i>	August 2000
<i>Natural Gas 1999: A Preliminary Summary</i>	May 2000
<i>Next Generation * Natural Gas (NG)² Information Requirements — Executive Summary</i>	February 2000
<i>Increasing Importance of Natural Gas Imports on the U.S. Marketplace</i>	February 2000
<i>Natural Gas Winter Outlook 1999-2000</i>	October 1999
<i>U.S. Natural Gas Imports and Exports - 1998</i>	August 1999
<i>Retail Unbundling</i>	July 1999
<i>Natural Gas 1998: A Preliminary Summary</i>	April 1999
<i>U.S. Natural Gas Imports and Exports - 1977</i>	August 1998
<i>Revisions to Monthly Natural Gas Data</i>	July 1998
<i>Natural Gas 1997: A Preliminary Summary</i>	April 1998
<i>Comparison of Natural Gas Storage Estimates from the EIA and AGA</i>	October 1997
<i>U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed</i>	September 1997
<i>U.S. Natural Gas Imports and Exports - 1996</i>	August 1997
<i>Revisions to Monthly Natural Gas Data</i>	July 1997
<i>Natural Gas 1996: Highlights</i>	April 1997
<i>Natural Gas Pipeline and System Expansions</i>	April 1997
<i>Natural Gas Analysis and Geographic Information Systems</i>	March 1997

Appendix E

Technical Contacts

Section	Tables	Frequency	Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
		Annual:		
Extraction Loss	1	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
		Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margaret Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly:	EIA computations	Margaret Natof (202)586-6303
Imports and Exports	2	Annual:	Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	
		Monthly:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Ann Ducca (202)586-6137
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly:	EIA computations	Sylvia Norris (202)586-6106
Electric Utility	4	Annual:	Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	
		Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Ann Ducca (202)586-6137
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Forms FERC-8 and EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
	16			
	17			
	18			
	19			
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
	21			
	22			
	23			
Heating Degree Days	24	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
	25			
Highlights	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to 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 establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

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

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

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: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

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.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

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

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 for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

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.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

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

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

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

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

Therm: One-hundred thousand British thermal units.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certified 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.