

Natural Gas Monthly

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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 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>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
<u>Databases</u>		
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>
<u>Applications</u>		
EIA-176 Query System	EXE	Company filings of the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

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 Roy Kass (202) 586-4790. Specific technical questions may be referred to the appropriate persons listed in Appendix D.

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	Mcf	Thousand cubic feet
Bcf	Billion cubic feet	MMBtu	Million British thermal units
Btu	British thermal unit	MMcf	Million cubic feet
DOE	U.S. Department of Energy	MMS	Minerals Management Service, U.S. Department of the Interior
EIA	Energy Information Administration, U.S. Department of Energy	OCS	Outer Continental Shelf
FERC	Federal Energy Regulatory Commission	STIFS	Short-Term Integrated Forecasting System
IOGCC	Interstate Oil and Gas Compact Commission	STEO	Short-Term Energy Outlook
LNG	Liquefied natural gas	Tcf	Trillion cubic feet

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Highlights

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through May 2002 for many data series at the national level. National-level natural gas prices are available through December 2001 (electric utilities), February (residential, commercial, and industrial), and April (wellhead). State-level data generally are available through February 2002, although underground storage data are available through March 2002.

Recent analyses of the natural gas industry are available on the EIA web site, www.eia.doe.gov under "Featured Topics" to the right side of the home page. The first two reports listed below are updated regularly. These reports are:

- *Weekly Gas Storage Report* — a weekly report containing estimates of natural gas in underground storage for the United States and three regions of the United States released each Thursday at 10:30 a.m. at the EIA Web site, except for certain weeks with Federal holidays. The report, first released on May 9, 2002, contains estimates of storage for the current and

prior week and comparisons to previous periods. Links are provided to papers describing survey Form EIA-912, "Weekly Underground Natural Gas Survey," and the estimation methodology.

- *Natural Gas Weekly Update* - a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities. This page also provides links to numerous other EIA sites dealing with natural gas.
- *Short-Term Energy Outlook* - projections of energy consumption, supply, and price by type of fuel, including natural gas, for the next 18 months.

Other natural gas data and analyses may be found through the "Natural Gas" section of EIA's web site. In the center section of the home page, the user should place the cursor on "By Fuel," then click on "Natural Gas" in the drop-down menu.

Deletion of STIFS

Beginning with the June issue, the *Natural Gas Monthly* will no longer include estimates from the Energy Information Administration's (EIA) Short-Term Integrated Forecasting Systems (STIFS) model computations for Table 1, 2, 3, and 9. These estimates can be found online at the EIA Website: www.eia.doe.gov.

Consumption by Electric Utilities

Data for natural gas consumption by electric utilities are not available for January 2002 in this issue of the *Natural Gas Monthly*. However, consumption data for the other end use sectors are available. The Energy Information Administration (EIA) expects to release the January 2002 electricity consumption data before the May issue of the *Natural Gas Monthly* becomes available. They will be included in Table 41 of the next issue of the *Electric Power Monthly* report. You may find this report on the EIA web site. Click on the by-fuel section of the home page and select electricity. The URL to get directly to the *Electric Power Monthly* is: http://www.eia.doe.gov/cneaf/electricity/epm/epm_sum.html.

Table 1. Summary of Natural Gas Production in the United States, 1996-2002
(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
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 Total	24,108	3,427	617	103	19,961	938	19,024
1999 Total	23,823	3,293	615	110	19,805	973	18,832
2000							
January	2,061	302	51	8	1,700	86	1,614
February	1,917	289	50	10	1,569	80	1,489
March	2,085	307	54	7	1,717	87	1,630
April	1,966	282	51	10	1,623	82	1,540
May	2,009	264	52	8	1,686	86	1,600
June	1,971	268	52	8	1,643	83	1,560
July	2,024	264	53	11	1,697	86	1,611
August	2,042	275	53	8	1,707	87	1,620
September	1,985	279	52	8	1,647	84	1,563
October	2,088	302	53	8	1,725	88	1,638
November	1,986	297	45	7	1,636	83	1,553
December	2,019	306	54	7	1,652	84	1,568
Total	24,153	3,434	617	100	20,002	1,016	18,987
2001							
January	^E 2,131	^{RE} 314	^{RE} 46	^E 9	^{RE} 1,762	^E 89	^{RE} 1,672
February	^E 1,928	^{RE} 289	^{RE} 39	^E 8	^{RE} 1,592	^E 81	^{RE} 1,511
March	^E 2,154	^{RE} 336	^{RE} 43	^E 9	^{RE} 1,767	^E 90	^{RE} 1,677
April	^{RE} 2,059	^{RE} 306	^{RE} 42	^E 8	^{RE} 1,703	^{RE} 87	^{RE} 1,616
May	^{RE} 2,100	^{RE} 300	^{RE} 41	^E 9	^{RE} 1,750	^E 89	^{RE} 1,661
June	^{RE} 1,999	^{RE} 284	^{RE} 41	^E 8	^{RE} 1,665	^{RE} 85	^{RE} 1,580
July	^{RE} 2,061	^{RE} 285	^{RE} 43	^E 9	^{RE} 1,723	^{RE} 88	^{RE} 1,635
August	^{RE} 2,064	^{RE} 293	^{RE} 43	^E 10	^{RE} 1,718	^E 87	^{RE} 1,631
September	^{RE} 1,984	^{RE} 274	^{RE} 42	^E 9	^{RE} 1,659	^E 84	^{RE} 1,575
October	^{RE} 2,073	^{RE} 276	^{RE} 44	^E 10	^{RE} 1,743	^{RE} 89	^{RE} 1,654
November	^{RE} 2,050	^{RE} 321	^{RE} 43	^E 9	^{RE} 1,676	^E 85	^{RE} 1,591
December	^E 2,102	^E 336	^E 40	^{RE} 9	^{RE} 1,717	^E 87	^{RE} 1,630
Total	^{RE} 24,703	^{RE} 3,615	^{RE} 508	^{RE} 106	^{RE} 20,474	^{RE} 1,040	^{RE} 19,434
2002							
January	^{RE} 2,108	^{RE} 326	^{RE} 43	^E 9	^{RE} 1,730	^{RE} 88	^{RE} 1,642
February	^{RE} 1,816	^{RE} 281	^{RE} 37	^E 8	^{RE} 1,490	^E 76	^{RE} 1,414
March	^E 2,000	^E 310	^E 40	^E 9	^E 1,641	^E 83	^E 1,558
April (STIFS)	NA	NA	NA	NA	^E 1,645	^E 84	^E 1,561
May (STIFS)	NA	NA	NA	NA	^E 1,675	^E 85	^E 1,590
2002 YTD	NA	NA	NA	NA	^E 8,181	^E 415	^E 7,765
2001 YTD	^E 10,372	^E 1,546	^E 210	^E 43	^E 8,573	^E 436	^E 8,138
2000 YTD	10,039	1,444	257	43	8,295	421	7,874

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

^b Extraction loss is collected only on an annual basis. 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 1996 through 2000 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: 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: Form EIA-895, "Monthly Quantity and Value 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, 1996-2002
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1996 Total	18,854	109	2,784	2	217	21,967
1997 Total	18,902	103	2,837	24	61	21,959
1998 Total	19,024	102	2,993	-530	-334	21,277
1999 Total	18,832	98	3,422	172	-897	21,620
2000						
January	1,614	9	308	799	-220	2,510
February	1,489	8	279	460	95	2,331
March	1,630	7	286	155	-28	2,051
April	1,540	6	277	-47	6	1,783
May	1,600	6	268	-237	-5	1,633
June	1,560	5	280	-291	-41	1,513
July	1,611	7	303	-296	-99	1,526
August	1,620	7	298	-201	-71	1,653
September	1,563	6	284	-297	-81	1,475
October	1,638	7	301	-247	-131	1,568
November	1,553	8	305	295	-252	1,909
December	1,568	9	349	735	-74	2,587
Total	18,987	86	3,538	829	-827	22,547
2001						
January	^{RE} 1,672	^E 8	349	467	^R 125	^R 2,621
February	^{RE} 1,511	^E 7	303	338	^R 119	^R 2,277
March	^{RE} 1,677	^E 7	327	181	^R 6	^R 2,198
April	^{RE} 1,616	^E 6	297	-276	^R 133	^R 1,776
May	^{RE} 1,661	^E 5	300	-448	^R -38	1,481
June	^{RE} 1,580	^E 5	300	-422	^R -85	^R 1,378
July	^{RE} 1,635	^E 7	336	-376	^R -80	^R 1,522
August	^{RE} 1,631	^E 6	327	-305	^R -114	1,545
September	^{RE} 1,575	^E 6	284	-368	^R -77	^R 1,419
October	^{RE} 1,654	^E 6	^E 294	-189	^R -186	^R 1,580
November	^{RE} 1,591	^E 7	^E 256	^R -85	^R -148	^R 1,621
December	^{RE} 1,630	^E 8	^E 275	^R 350	^R -237	^R 2,025
Total	^{RE} 19,434	^E 77	^E 3,647	^R -1,134	^R -581	^R 21,443
2002						
January	^{RE} 1,642	^E 8	^E 304	^R 546	^R -143	^R 2,357
February	^{RE} 1,414	^E 7	^{RE} 275	^R 462	^R -35	2,123
March	^E 1,558	^E 8	^E 292	320	^E 53	^E 2,230
April(STIFS)	^E 1,561	^E 6	^E 279	^E -146	^E 102	^E 1,802
May(STIFS)	^E 1,590	^E 6	^E 258	^E -273	^E 1	^E 1,582
2002 YTD	^E 7,765	^E 33	^E 1,408	^E 909	^E -22	^E 10,094
2001 YTD	^E 8,138	^E 33	^E 1,577	^E 261	^E 345	^E 10,353
2000 YTD	7,874	37	1,418	1,131	-152	10,308

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

^b Monthly and annual data for 1996 through 2000 include underground storage and liquefied natural gas storage. Data for January 2001 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. Annual balancing item for 1997-2000 includes net intransit deliveries through the United States for natural gas not contained in the monthly net imports figures. These intransit deliveries were (in billion cubic feet): -65 for 2000; -8 for 1999; 22 for 1998; 31 for 1997. 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.

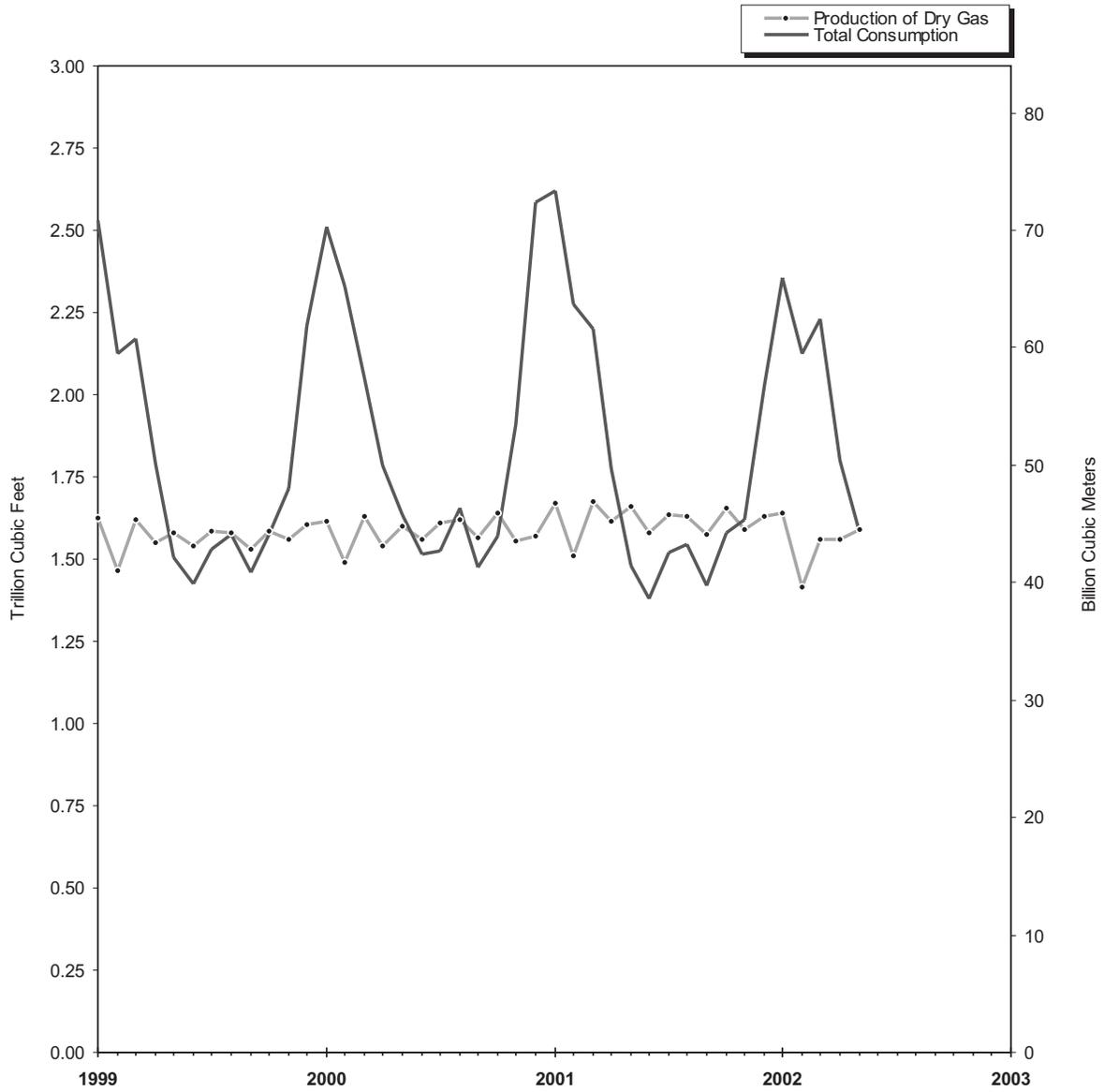
^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1996 through 2000 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: 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 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, Notes 2 and 4, for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1999-2002



Source: Table 2.

Table 3. Natural Gas Consumption in the United States, 1996-2002
(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	
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 Total	1,173	635	4,520	3,005	8,686	3,258	19,469	21,277
1999 Total	1,079	645	4,726	3,050	9,006	3,113	19,895	21,620
2000								
January	96	73	862	454	835	190	2,342	2,510
February	89	67	774	423	809	167	2,174	2,331
March	97	59	550	353	785	208	1,894	2,051
April	92	51	401	259	767	215	1,640	1,783
May	94	46	228	183	772	309	1,492	1,633
June	92	43	154	150	767	307	1,378	1,513
July	95	43	128	139	746	373	1,387	1,526
August	96	47	122	153	825	410	1,510	1,653
September	93	42	141	151	765	284	1,340	1,475
October	98	44	236	184	793	213	1,426	1,568
November	93	55	482	293	806	180	1,761	1,909
December	94	75	913	475	843	187	2,418	2,587
Total	1,130	644	4,992	3,226	9,512	3,043	20,772	22,547
2001								
January	^{RE} 100	75	984	^R 513	^R 793	157	^R 2,446	^R 2,621
February	^E 90	65	788	^R 441	^R 751	143	^R 2,122	^R 2,277
March	^E 100	63	687	^R 388	^R 789	171	^R 2,035	^R 2,198
April	^E 96	51	410	^R 268	^R 740	211	^R 1,629	^R 1,776
May	^E 99	42	215	^R 190	^R 700	235	^R 1,340	1,481
June	^E 94	39	149	^R 162	^R 673	261	^R 1,244	^R 1,378
July	^E 97	^R 43	125	^R 146	756	355	^R 1,381	^R 1,522
August	^E 97	44	118	^R 152	773	360	1,404	1,545
September	^{RE} 94	41	129	^R 161	741	254	^R 1,285	^R 1,419
October	^E 98	45	239	^R 202	770	224	^R 1,436	^R 1,580
November	^{RE} 95	46	364	^R 235	730	151	^R 1,480	^R 1,621
December	^E 97	58	608	^R 345	764	153	^R 1,870	^R 2,025
Total	^{RE} 1,157	^R 613	4,815	^R 3,203	^R 8,981	2,675	^R 19,673	^R 21,443
2002								
January	^{RE} 98	^R 67	^R 818	^R 434	^R 765	^R 175	^R 2,192	^R 2,357
February	^E 84	55	696	388	716	NA	1,984	2,123
March(STIFS)	^E 100	^E 60	^E 679	^E 408	^E 799	NA	^E 2,070	^E 2,230
April(STIFS)	^E 95	^E 48	^E 437	^E 274	^E 743	NA	^E 1,659	^E 1,802
May(STIFS)	^E 97	^E 42	^E 254	^E 211	^E 741	NA	^E 1,443	^E 1,582
2002 YTD^d	474	273	2,884	1,715	3,764	NA	9,348	10,094
2001 YTD^d	484	296	3,083	1,798	3,774	157	9,573	10,353
2000 YTD^d	469	296	2,815	1,672	3,967	190	9,542	10,308

^a Plant fuel data and lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Vehicle fuel is included in the annual total of deliveries to commercial consumers for 1996-2000 but not in the monthly volumes. Volumes delivered for use as vehicle fuel (in billion cubic feet) were 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, 5.7 in 1999, and 8.3 in 2000.

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

^R Revised Data.

^E Estimated Data.

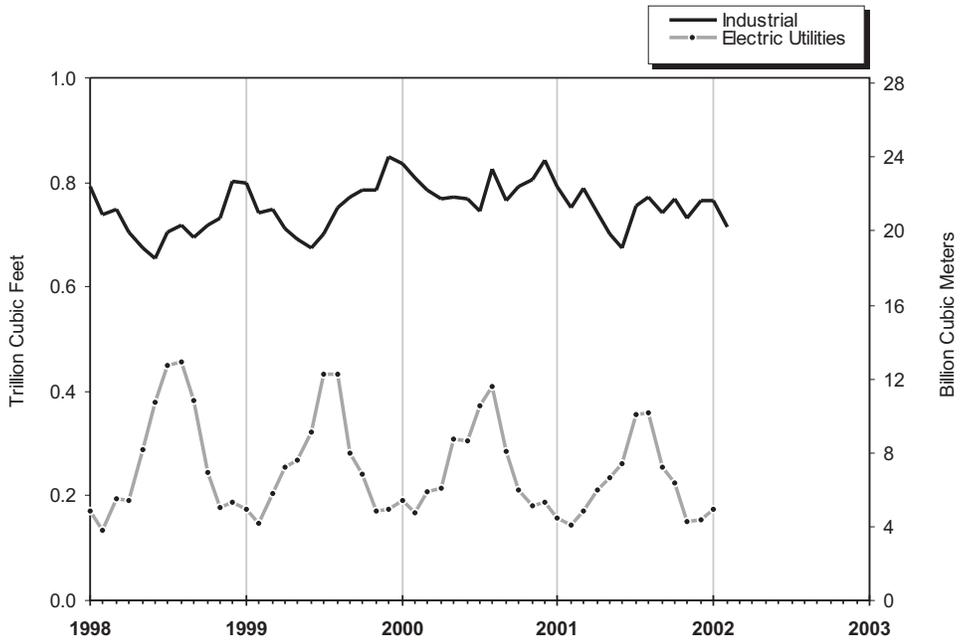
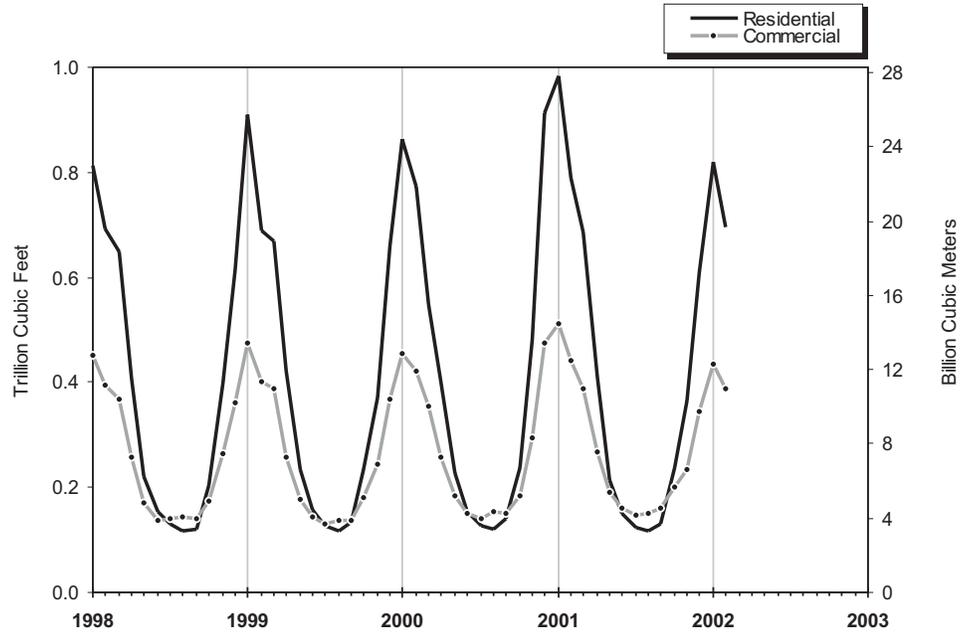
^{RE} Revised Estimated Data.

NA Not Available.

Notes: Data for 1996 through 2000 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. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. See Explanatory Note 5 for further explanation.

Sources: 1996-2000: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 2000*. January 2001 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, 1998-2002



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1996-2002

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total ^b	Price	% of Total ^b	
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 Annual Average	1.96	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999 Annual Average	2.19	3.10	6.69	5.33	66.2	3.10	17.5	2.62
2000								
January	2.60	3.27	6.37	5.78	66.5	3.41	18.7	2.74
February	2.73	3.48	6.54	5.96	67.4	3.68	19.4	2.96
March	2.66	3.54	6.91	5.78	62.4	3.54	18.2	3.00
April	2.86	3.72	7.19	6.04	61.2	3.59	18.0	3.23
May	3.04	4.15	8.26	5.98	59.6	3.67	17.0	3.63
June	3.77	5.19	9.50	6.49	56.5	4.24	18.1	4.45
July	3.84	5.20	10.33	6.56	55.5	4.55	17.6	4.35
August	3.73	4.63	10.37	6.09	57.7	4.33	17.1	4.27
September	4.26	5.21	10.10	6.93	56.0	4.88	16.5	4.85
October	4.58	5.66	9.44	7.49	58.5	5.45	16.6	5.17
November	4.40	5.20	8.58	7.57	63.0	5.39	19.8	5.37
December	5.77	6.64	8.56	8.20	67.5	6.67	20.4	8.23
Annual Average	3.69	4.62	7.76	6.59	62.9	4.48	18.1	4.38
2001								
January	^E 8.06	8.84	10.06	^R 9.36	^R 70.6	^R 8.60	^R 16.3	9.47
February	^E 5.84	7.19	10.33	9.69	^R 68.6	7.28	15.6	6.85
March	^E 5.15	6.17	9.91	9.00	^R 67.0	^R 6.36	^R 15.0	5.69
April	^E 5.21	6.35	10.18	8.85	^R 64.6	^R 6.14	^R 13.9	5.70
May	^E 4.56	5.89	10.99	8.50	^R 57.1	^R 5.42	^R 13.0	5.14
June	^E 3.88	5.36	11.51	6.91	^R 61.5	^R 4.77	^R 13.0	4.51
July	^E 3.39	4.28	11.01	7.01	^R 54.5	^R 3.94	^R 18.8	3.83
August	^E 3.23	^R 4.27	10.77	6.59	^R 54.2	^R 3.78	^R 18.0	3.72
September	^E 2.55	3.64	10.16	^R 6.29	^R 52.2	^R 3.29	^R 19.1	3.15
October	^E 2.40	^R 3.47	8.18	5.89	^R 57.9	^R 3.01	^R 19.3	2.79
November	^E 2.74	^R 4.17	7.97	6.52	^R 63.0	^R 3.96	^R 18.0	3.30
December	^E 2.38	4.08	7.30	6.41	^R 66.8	^R 3.42	^R 19.5	3.12
Annual Average	^E4.12	^R5.82	9.63	8.09	^R63.9	^R4.86	^R16.7	4.52
2002								
January	^E 2.35	^R 4.07	^R 7.22	^R 6.52	^R 66.5	3.64	^R 20.9	NA
February	^E 2.14	3.86	7.28	6.56	65.3	3.30	20.8	NA
March	^E 2.52	NA	NA	NA	NA	NA	NA	NA
April	^E 3.02	NA	NA	NA	NA	NA	NA	NA
2002 YTD^c	^E2.51	3.97	7.25	6.54	65.9	3.48	20.9	NA
2001 YTD^c	^E6.07	8.10	10.18	9.51	69.7	7.97	16.0	NA
2000 YTD^c	2.71	3.37	6.45	5.87	66.9	3.54	19.0	NA

^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 State data.

^c Year-to-date price represents months for which price information is available in the current year. The wellhead year-to-date price is 2 months ahead of the city gate, residential, commercial, and industrial year-to-date prices. The electric utility year-to-date price is 1 month behind the city gate, residential, commercial, and industrial year-to-date prices.

^R Revised Data.

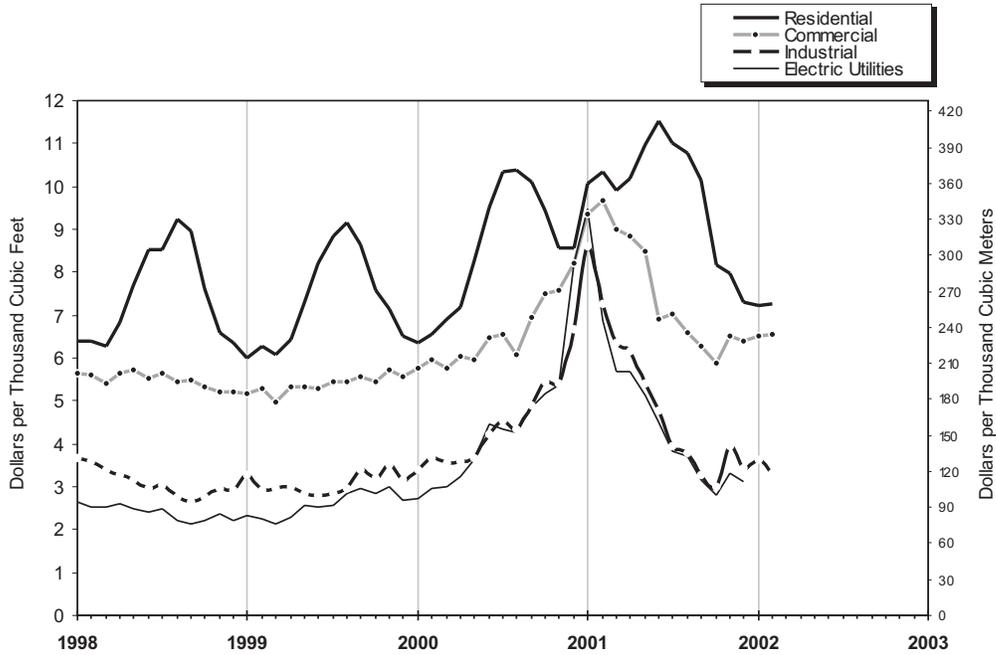
^E Estimated Data.

NA Not Available.

Notes: Data for 1996 through 2000 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. See Appendix A, Explanatory Note 5 for further explanation.

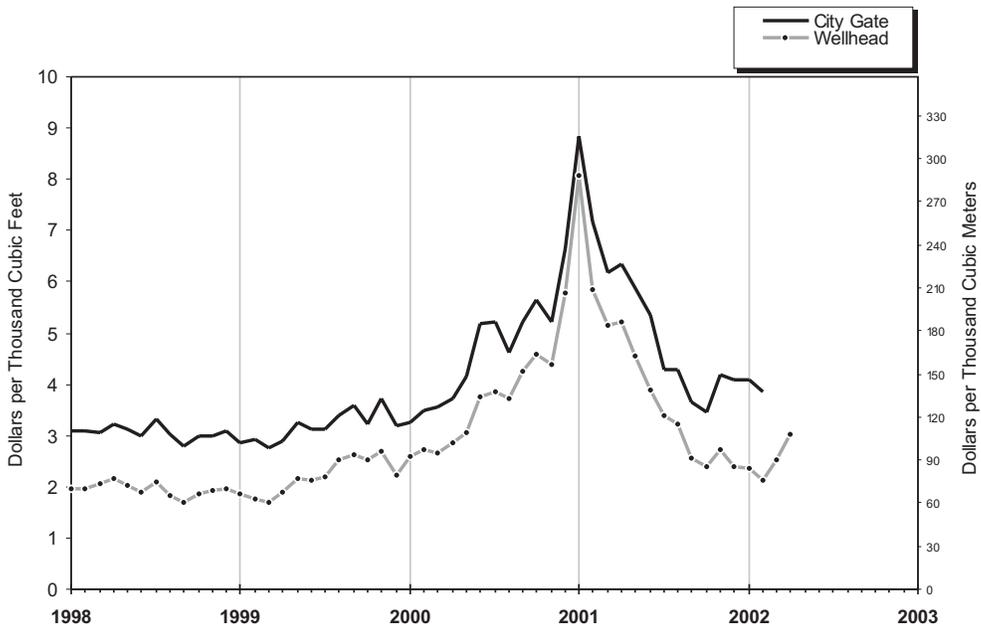
Sources: 1996-2000: Energy Information Administration (EIA) *Natural Gas Annual 2000*. January 2001 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1998-2002



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1998-2002



Source: Table 4.

Table 5. U.S. Natural Gas Imports, by Country, 1996-2002

(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
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 Total	3,052,073	1.95	14,532	2.03	68,567	2.51	11,634	3.30	0	—
1999 Total	3,367,545	2.23	54,530	2.14	75,763	2.41	11,904	2.70	0	—
2000										
January	310,181	2.42	2,911	2.30	5,026	2.61	0	—	0	—
February	289,222	2.57	730	2.50	4,987	3.76	0	—	0	—
March	291,469	2.60	316	2.60	3,990	2.49	0	—	0	—
April	273,881	2.85	756	2.97	2,566	2.72	2,274	3.21	0	—
May	274,616	3.05	0	—	2,453	3.13	0	—	0	—
June	278,529	3.89	0	—	2,529	3.53	0	—	2,488	4.14
July	293,353	3.99	27	4.01	2,562	3.40	2,285	3.26	2,496	4.86
August	295,355	3.65	10	4.64	2,370	3.87	0	—	2,510	3.56
September	282,921	4.19	209	5.00	2,556	4.11	1,270	3.28	2,658	3.52
October	296,022	5.27	1,115	5.17	7,570	3.46	0	—	2,503	5.80
November	309,337	4.94	1,231	5.61	2,552	3.98	116	3.44	0	—
December	349,079	7.47	4,297	8.73	7,786	4.29	0	—	0	—
Total	3,543,966	3.97	11,601	5.43	46,947	3.48	5,945	3.25	12,654	4.37
2001										
January	353,515	9.63	2,416	7.98	5,020	4.05	0	—	2,478	10.79
February	306,961	6.49	1,139	5.45	7,658	5.52	0	—	5,068	6.25
March	335,175	5.42	1,482	4.89	7,606	5.87	0	—	2,535	9.05
April	296,754	5.40	2,102	5.11	5,009	3.88	0	—	4,822	5.42
May	301,938	5.01	157	4.44	7,572	3.58	0	—	5,067	5.43
June	297,497	3.92	0	—	3,943	2.71	0	—	7,547	4.92
July	341,932	3.12	0	—	7,754	3.14	1,187	3.79	2,888	5.09
August	336,466	3.11	0	—	5,058	2.73	1,207	3.92	2,606	2.99
September	295,061	2.58	0	—	5,087	2.76	0	—	4,955	3.30
October	316,637	2.14	0	—	2,491	2.48	0	—	0	—
November	285,244	2.96	160	2.04	2,510	2.25	0	—	0	—
December	295,445	2.67	2,821	2.44	5,237	2.68	0	—	0	—
Total	3,762,624	4.43	10,276	5.00	64,945	3.73	2,394	3.86	37,966	5.56
2002										
January	332,192	NA	^E 2,821	NA	2,635	NA	0	—	0	—
February	^R 308,835	NA	^E 2,821	NA	0	—	0	—	0	—
March	^E 327,441	NA	^E 2,821	NA	0	—	0	—	0	—
2002 YTD	^E 968,468	NA	^E 8,463	NA	2,635	NA	0	—	0	—
2001 YTD	995,651	7.24	5,037	6.50	20,283	5.29	0	—	10,081	8.07
2000 YTD	890,873	2.53	3,956	2.36	14,003	2.98	0	—	0	—

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1996-2002

(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		
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 Total	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
1999 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	—	325,897	2.44
February	0	—	5,168	2.91	0	—	0	—	300,107	2.60
March	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April	7,254	2.71	7,285	3.05	0	—	0	—	294,016	2.86
May	0	—	10,723	3.05	0	—	0	—	287,793	3.05
June	2,385	2.76	7,390	3.48	2,725	3.53	0	—	296,046	3.87
July	4,793	3.97	14,307	3.30	0	—	^b 2,464	2.86	322,285	3.94
August	7,167	3.15	8,435	3.30	0	—	^b 2,461	2.86	318,308	3.62
September	7,625	3.97	4,864	2.98	0	—	^b 2,740	4.20	304,843	4.15
October	7,165	4.14	7,392	3.65	0	—	^c 2,760	3.99	324,527	5.16
November	7,241	3.32	6,950	3.85	0	—	^b 2,333	3.44	329,759	4.86
December	0	—	10,262	5.14	0	—	0	—	371,425	7.35
Total	46,057	3.44	98,949	3.43	2,725	3.53	12,758	3.50	3,781,603	3.95
2001										
January	0	—	10,707	7.04	0	—	0	—	374,136	9.48
February	0	—	6,635	4.78	0	—	^b 2,738	8.70	330,199	6.44
March	2,400	3.17	10,704	4.74	0	—	0	—	359,902	5.42
April	2,452	6.60	8,028	4.26	0	—	^b 1,702	4.65	320,869	5.35
May	4,975	4.47	9,530	4.15	0	—	0	—	329,238	4.95
June	3,076	5.82	10,407	3.77	0	—	^b 1,616	3.99	324,087	3.94
July	4,934	3.97	6,701	3.95	0	—	^b 1,635	4.65	367,031	3.17
August	0	—	7,519	3.60	0	—	^b 2,728	4.99	355,584	3.13
September	4,919	3.24	5,230	3.68	0	—	^b 1,635	4.65	316,888	2.63
October	0	—	9,234	2.17	0	—	0	—	328,362	2.14
November	0	—	5,340	3.19	0	—	0	—	293,253	2.96
December	0	—	7,975	3.12	0	—	0	—	311,478	2.68
Total	22,758	4.37	98,009	4.14	0	—	12,055	5.56	4,011,027	4.43
2002										
January	0	—	7,425	NA	0	—	0	—	^E 345,073	NA
February	0	—	7,887	NA	0	—	0	—	^{RE} 319,544	NA
March	0	—	9,960	NA	0	—	0	—	^E 340,221	NA
2002 YTD	0	—	25,271	NA	0	—	0	—	^E1,004,838	NA
2001 YTD	2,400	3.17	28,046	5.63	0	—	2,738	8.70	1,064,237	7.16
2000 YTD	2,428	2.79	21,341	2.94	0	—	0	—	932,601	2.55

^a Received from Malaysia.^b Received from Oman.^c Received from Indonesia.^R Revised Data.^E Estimated Data.^{RE} Revised Estimated Data.

NA Not Available.

— Not Applicable.

Sources: January 1996 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports". Estimated pipeline data 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, 1996-2002

(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		
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 Total	39,891	2.25	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45
1999 Total	38,508	2.35	61,025	2.27	63,607	3.08	275	6.95	163,415	2.61
2000										
January	6,234	2.50	5,937	2.39	5,569	4.04	36	5.82	17,776	2.95
February	9,017	2.70	6,394	2.62	5,566	4.08	37	5.82	21,015	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May	3,732	3.15	10,338	3.23	5,709	4.27	31	5.82	19,810	3.52
June	3,742	4.11	8,714	4.30	3,763	4.34	30	5.82	16,249	4.27
July	3,762	4.37	10,157	4.52	5,597	4.36	29	5.82	19,546	4.45
August	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September	4,682	4.76	10,265	5.07	5,592	4.37	28	5.82	20,568	4.81
October	5,327	5.26	10,197	5.31	7,512	4.51	35	5.82	23,070	5.04
November	9,877	3.97	9,154	4.78	5,686	4.49	51	5.82	24,767	4.39
December	10,169	4.32	6,834	8.57	5,579	4.51	38	5.82	22,621	5.65
Total	72,586	3.66	105,102	4.26	65,610	4.31	418	5.82	243,716	4.10
2001										
January	11,818	6.84	8,111	10.34	5,571	4.68	47	5.82	25,547	7.48
February	15,379	5.41	8,009	7.06	3,714	4.73	42	5.82	27,144	5.80
March	19,691	4.52	7,110	6.22	5,569	4.70	42	5.82	32,412	4.93
April	12,683	5.67	5,326	7.10	5,594	4.25	34	5.82	23,637	5.66
May	13,328	5.00	9,940	6.88	5,677	4.22	35	5.82	28,981	5.49
June	9,568	4.05	11,183	5.27	3,780	4.28	23	5.82	24,554	4.64
July	10,449	3.38	14,939	3.53	5,665	4.27	32	5.82	31,086	3.62
August	7,567	3.19	15,531	3.31	5,684	4.29	33	5.82	28,814	3.47
September	10,030	2.46	17,610	2.45	5,676	4.39	35	5.82	33,350	2.79
October	10,907	2.22	15,920	2.29	7,576	4.41	49	5.82	34,452	2.74
November	15,819	3.12	15,489	2.98	5,644	4.29	47	5.82	37,000	3.24
December	20,224	2.51	10,751	2.55	5,602	4.29	46	5.82	36,624	2.80
Total	157,462	4.06	139,920	4.34	65,753	4.39	465	5.82	363,600	4.23
2002										
January	24,227	NA	^E 10,751	NA	5,605	NA	NA	NA	^E 40,583	NA
February	^R 29,978	NA	^E 10,751	NA	3,755	NA	NA	NA	^{RE} 44,484	NA
March	^E 32,221	NA	^E 10,751	NA	5,619	NA	NA	NA	^E 48,591	NA
2002 YTD	^E 86,426	NA	^E 32,253	NA	14,979	NA	NA	NA	^E 133,658	NA
2001 YTD	46,887	5.40	23,231	7.95	14,853	4.70	131	5.82	85,103	5.97
2000 YTD	24,301	2.66	19,972	2.58	14,904	4.09	118	5.82	59,295	3.00

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

Sources: January 1996 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports". Estimated pipeline data 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, 1996-2002
(Million Cubic Feet)

Table 7

Year and Month	Alabama ^b	Alaska	Arizona	California	Colorado	Florida	Kansas
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 Total	562,714	466,648	457	315,277	696,321	5,796	603,586
1999 Total	545,464	462,967	474	382,715	722,738	5,933	553,419
2000							
January	46,526	42,242	37	31,663	65,091	564	49,597
February	44,084	38,430	26	27,675	60,155	547	41,606
March	43,869	42,505	27	29,706	64,390	653	44,924
April	43,318	37,290	28	28,970	61,056	595	43,591
May	44,231	33,531	31	30,981	65,137	575	43,837
June	43,196	35,890	32	30,558	59,184	474	44,129
July	43,985	35,559	32	32,823	62,541	544	43,938
August	43,790	35,910	33	33,111	64,332	533	43,603
September	40,731	37,148	33	32,377	62,304	550	42,078
October	42,755	39,354	33	33,723	63,606	472	43,078
November	42,511	38,897	32	32,540	63,005	465	41,891
December	43,614	42,239	24	32,454	62,182	519	43,457
Total	522,610	458,995	368	376,580	752,985	6,491	525,729
2001							
January	30,460	42,459	31	32,450	[£] 62,027	454	41,780
February	27,096	38,318	28	29,821	[£] 59,310	397	36,909
March	29,918	42,727	31	32,074	[£] 61,791	436	40,535
April	[£] 28,864	39,572	32	30,325	[£] 59,791	499	39,420
May	[£] 29,742	35,882	28	32,404	[£] 62,480	440	39,967
June	[£] 28,993	34,653	25	31,753	[£] 58,715	473	38,721
July	30,616	37,163	26	31,644	[£] 61,195	553	40,646
August	[£] 30,999	37,228	24	31,826	[£] 62,205	531	39,335
September	[£] 30,102	36,172	22	30,562	[£] 60,192	489	37,483
October	30,194	39,306	20	31,516	[£] 63,033	701	38,286
November	29,379	43,007	15	29,973	[£] 61,942	382	37,123
December	30,446	45,344	25	31,507	[£] 63,617	353	[£] 37,924
Total	[£]356,811	471,831	307	375,856	[£]736,299	5,706	[£]468,131
2002							
January	[£] 27,374	42,257	26	30,928	[£] 63,426	342	31,101

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1996-2002
(Million Cubic Feet) — Continued

Year and Month	Louisiana ^b	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
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 Total	5,277,188	278,076	108,068	57,645	1,501,098	53,185	1,669,367
1999 Total	5,275,730	277,364	111,021	61,163	1,511,671	52,862	1,594,002
2000							
January	421,366	22,586	8,241	6,003	145,404	4,585	140,183
February	392,889	15,849	5,386	5,480	137,819	4,116	125,741
March	429,630	33,893	7,350	6,016	147,050	4,291	140,811
April	415,525	12,551	6,785	5,614	137,212	4,278	132,697
May	428,197	26,709	7,527	5,809	143,431	4,543	136,652
June	413,358	17,328	6,938	5,369	136,470	4,322	136,693
July	431,309	30,404	7,347	5,888	141,810	4,505	138,946
August	434,049	33,002	7,571	5,833	139,961	4,320	139,930
September	421,580	24,743	7,227	5,723	139,149	4,329	132,330
October	435,279	38,453	7,958	6,039	141,187	4,490	145,745
November	417,355	25,882	7,693	5,741	136,170	4,178	119,411
December	428,327	15,156	8,535	6,422	141,754	4,469	123,749
Total	5,068,863	296,556	88,558	69,936	1,687,416	52,426	1,612,890
2001							
January	467,724	27,354	8,958	6,555	138,892	4,537	^E 141,360
February	428,810	13,735	7,749	5,906	126,673	4,019	^E 129,640
March	474,754	29,621	8,398	6,364	137,458	4,548	^E 143,530
April	459,439	20,195	9,892	6,215	132,246	4,564	^E 138,900
May	474,308	35,791	10,332	6,273	126,566	4,569	^E 143,395
June	446,847	17,942	8,440	6,036	^E 120,771	4,349	^E 138,768
July	462,219	20,115	9,313	6,452	^E 125,274	4,649	^E 143,395
August	455,170	26,818	9,494	6,308	^E 126,287	4,753	^E 142,600
September	442,183	14,571	8,341	6,502	^E 122,513	4,502	^E 137,328
October	455,288	29,294	9,074	7,031	^E 126,806	4,574	^E 141,906
November	436,901	24,190	8,353	7,193	^E 120,164	4,596	^E 136,641
December	452,820	16,289	9,196	^R 7,122	^E 118,092	4,771	^E 141,619
Total	5,456,463	275,914	107,540	^R 77,958	^E 1,521,742	54,432	^E 1,679,082
2002							
January	461,646	^E 14,651	9,510	^E 7,270	^E 130,174	4,763	135,659

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1996-2002

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas ^c	Utah	Wyoming	Other ^a States	U.S. Total
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 Total	1,067	6,408,444	277,340	903,836	775,235	19,961,348
1999 Total	1,291	6,211,613	262,614	971,230	800,579	19,804,848
2000						
January	124	522,128	22,008	92,837	79,277	1,700,461
February	105	488,863	20,526	84,714	74,653	1,568,663
March	107	531,944	21,916	90,043	78,056	1,717,180
April	99	507,411	21,255	87,761	76,693	1,622,729
May	102	529,617	22,525	90,699	71,637	1,685,770
June	94	523,281	21,638	87,579	76,514	1,643,048
July	90	531,434	22,772	90,281	72,583	1,696,792
August	96	531,705	22,864	90,812	75,554	1,707,010
September	97	509,474	22,664	89,472	75,066	1,647,075
October	109	526,000	23,374	95,215	78,431	1,725,300
November	97	508,353	22,943	91,715	77,322	1,636,200
December	93	495,039	24,801	97,201	82,022	1,652,058
Total	1,214	6,205,249	269,285	1,088,328	917,808	20,002,287
2001						
January	^E 86	539,175	24,309	^R 111,315	^E 81,856	^{RE} 1,761,782
February	^E 78	485,370	22,368	^R 101,763	^E 74,185	^{RE} 1,592,176
March	^E 93	536,836	24,876	^R 114,525	^E 78,145	^{RE} 1,766,661
April	^E 87	523,416	24,381	^R 109,921	^E 75,056	^{RE} 1,702,816
May	^E 89	539,296	24,261	^R 110,238	^E 73,630	^{RE} 1,749,690
June	^E 86	521,986	23,502	^R 108,676	^E 74,129	^{RE} 1,664,867
July	^E 85	539,802	22,972	^R 112,311	^E 74,298	^{RE} 1,722,729
August	^E 76	534,645	22,826	^R 112,881	^E 74,290	^{RE} 1,718,296
September	^E 80	518,138	22,649	^R 112,708	^E 74,379	^{RE} 1,658,916
October	^E 92	541,722	23,854	^R 120,064	^E 80,015	^{RE} 1,742,776
November	^E 92	519,853	23,854	^R 115,447	^E 77,028	^{RE} 1,676,133
December	^E 90	535,555	^R 24,578	^E 115,728	^E 81,857	^{RE} 1,716,931
Total	^E 1,034	6,335,794	^R 284,431	^{RE} 1,345,576	^E 918,868	^{RE} 20,473,773
2002						
January	^E 84	541,077	^E 24,620	117,851	^E 86,964	^E 1,729,723

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia, and West Virginia. The 2001 and later data monthly values for these States are estimated.

^b For Alabama and Louisiana, all data for 1996 through 2000 include Federal Offshore production. For 2001, 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.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1996 through 2000 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: 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

**Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State,
January 2002**

(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	£29,573	£476	£30,049	£1,006	£1,584	£85	£27,374
Alaska	18,009	293,551	311,561	268,598	0	706	42,257
Arizona	26	0	26	0	0	0	26
California	7,303	26,914	34,217	2,956	224	109	30,928
Colorado	£55,086	£8,967	£64,053	£557	0	£70	£63,426
Florida	0	386	386	0	44	0	342
Kansas	28,269	2,916	31,185	53	0	31	31,101
Louisiana	406,245	61,070	467,316	3,665	0	2,005	461,646
Michigan	£11,924	£2,981	£14,905	£105	0	£149	£14,651
Mississippi	11,493	463	11,957	505	1,682	259	9,510
Montana	£7,294	0	£7,294	0	0	£24	£7,270
New Mexico	£124,275	£17,397	£141,672	£1,571	£9,713	£215	£130,174
North Dakota	1,331	3,673	5,004	0	9	232	4,763
Oklahoma	£122,639	£13,020	£135,659	0	0	0	135,659
Oregon	£97	0	£97	0	£14	0	£84
Texas	479,752	116,086	595,837	38,559	13,694	2,507	541,077
Utah	£23,048	£3,137	£26,184	£43	0	£1,521	£24,620
Wyoming	128,298	14,659	142,957	8,806	15,228	1,072	117,851
Other States	£84,897	£2,537	£87,434	0	£356	£115	£86,964
Total	£1,539,561	£568,234	£2,107,794	£326,423	£42,549	£9,100	£1,729,723

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

^e Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

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

Table 9. Underground Natural Gas Storage - All Operators, 1996-2002

(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
1996 Total^a	—	—	—	—	—	2,906	2,911	6
1997 Total^a	—	—	—	—	—	2,800	2,824	24
1998 Total^a	—	—	—	—	—	2,905	2,379	-526
1999 Total^a	—	—	—	—	—	2,598	2,772	174
2000								
January	4,379	1,760	6,139	-312	-15.1	59	841	782
February	4,378	1,304	5,681	-445	-25.3	83	533	450
March	4,364	1,153	5,517	-255	-18.0	139	291	152
April	4,362	1,203	5,565	-297	-19.6	192	146	-46
May	4,362	1,433	5,795	-404	-21.9	313	82	-231
June	4,361	1,717	6,079	-435	-20.1	349	65	-284
July	4,362	2,003	6,365	-379	-15.8	372	83	-289
August	4,361	2,199	6,560	-414	-15.8	305	109	-196
September	4,360	2,494	6,855	-432	-14.7	370	80	-291
October	4,360	2,732	7,092	-345	-11.1	329	88	-241
November	4,361	2,442	6,803	-628	-20.3	108	396	288
December	4,352	1,719	6,071	-806	-31.9	66	785	720
Total	—	—	—	—	—	2,684	3,498	814
2001								
January	4,344	1,265	5,609	-495	-28.1	93	559	467
February	4,328	912	5,241	-391	-30.0	71	409	338
March	4,300	742	5,042	-412	-35.7	113	293	181
April	4,261	992	5,253	-210	-17.5	345	68	-276
May	4,309	1,440	5,749	7	0.5	488	41	-448
June	4,310	1,882	6,193	165	9.6	470	48	-422
July	4,315	2,261	6,576	258	12.9	441	64	-376
August	4,313	2,576	6,889	377	17.1	384	79	-305
September	4,318	2,944	7,262	450	18.0	409	41	-368
October	4,310	3,144	7,454	412	15.1	281	92	-189
November	^R 4,301	^R 3,254	^R 7,555	^R 812	^R 33.2	^R 223	^R 138	^R -85
December	^R 4,301	^R 2,904	^R 7,204	^R 1,185	^R 68.9	^R 80	^R 430	^R 350
Total	—	—	—	—	—	^R3,399	^R2,264	^R-1,134
2002								
January	^R 4,313	^R 2,344	^R 6,657	^R 1,078	^R 85.2	59	^R 605	^R 546
February	^R 4,356	^R 1,838	^R 6,194	^R 925	^R 101.4	^R 55	^R 517	^R 462
March	4,355	1,518	5,873	776	104.7	105	425	320

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1996 - 7,980; 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,241.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.^R Revised Data.

— Not Applicable.

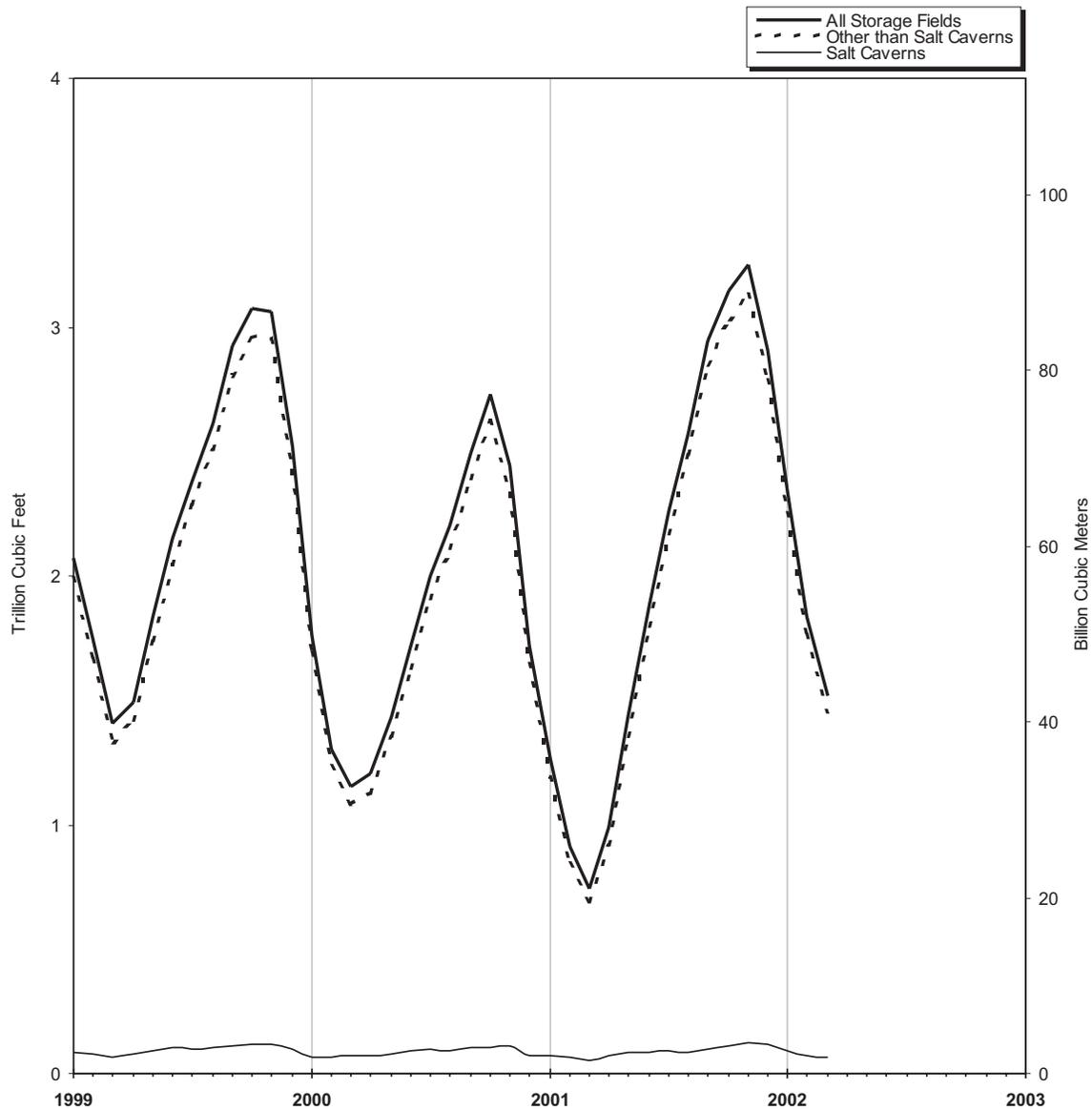
Notes: Data for 1996 through 2000 are final. All other data are

preliminary unless otherwise noted. 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," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1999-2002



Sources: Tables 10, 11 and 12.

Table 10. Underground Natural Gas Storage - by Season, 1999-2002
(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
October 1999	4,370	3,073	7,443	-118	-3.7	247	92	-155
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	4,379	1,760	6,139	-312	-15.1	59	841	782
February	4,378	1,304	5,681	-445	-25.3	83	533	450
March	4,364	1,153	5,517	-255	-18.0	139	291	152
Total	—	—	—	—	—	517	2,476	1,959
2000 Refill Season								
April	4,362	1,203	5,565	-297	-19.6	192	146	-46
May	4,362	1,433	5,795	-404	-21.9	313	82	-231
June	4,361	1,717	6,079	-435	-20.1	349	65	-284
July	4,362	2,003	6,365	-379	-15.8	372	83	-289
August	4,361	2,199	6,560	-414	-15.8	305	109	-196
September	4,360	2,494	6,855	-432	-14.7	370	80	-291
October	4,360	2,732	7,092	-345	-11.1	329	88	-241
Total	—	—	—	—	—	2,230	651	-1,579
2000-2001 Heating Season								
November	4,361	2,442	6,803	-628	-20.3	108	396	288
December	4,352	1,719	6,071	-806	-31.9	66	785	720
January	4,344	1,265	5,609	-495	-28.1	93	559	467
February	4,328	912	5,241	-391	-30.0	71	409	338
March	4,300	742	5,042	-412	-35.7	113	293	181
Total	—	—	—	—	—	450	2,443	1,993
2001 Refill Season								
April	4,261	992	5,253	-210	-17.5	345	68	-276
May	4,309	1,440	5,749	7	0.5	488	41	-448
June	4,310	1,882	6,193	165	9.6	470	48	-422
July	4,315	2,261	6,576	258	12.9	441	64	-376
August	4,313	2,576	6,889	377	17.1	384	79	-305
September	4,318	2,944	7,262	450	18.0	409	41	-368
October	4,310	3,144	7,454	412	15.1	281	92	-189
Total	—	—	—	—	—	2,819	435	-2,384
2001-2002 Heating Season								
November	^R 4,301	^R 3,254	^R 7,555	^R 812	^R 33.2	^R 223	^R 138	^R -85
December	^R 4,301	^R 2,904	^R 7,204	^R 1,185	68.9	^R 80	^R 430	^R 350
January	^R 4,313	^R 2,344	^R 6,657	^R 1,078	^R 85.2	59	^R 605	^R 546
February	^R 4,356	^R 1,838	^R 6,194	^R 925	^R 101.4	^R 55	^R 517	^R 462
March	4,355	1,518	5,873	776	104.7	105	425	320
Total	—	—	—	—	—	^R523	^R2,115	^R1,593

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

^R Revised Data.

— Not Applicable.

Notes: Data through 2000 are final. All other data are preliminary unless otherwise noted. 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," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1996-2002
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1996 Total^a	—	—	—	—	—	258	246	-13
1997 Total^a	—	—	—	—	—	267	274	6
1998 Total^a	—	—	—	—	—	297	275	-22
1999 Total^a	—	—	—	—	—	260	259	-1
2000								
January	68	65	133	-15	-21.2	16	50	34
February	68	66	134	-12	-15.1	23	22	-1
March	69	69	138	0	1.5	24	20	-3
April	69	74	143	-4	-5.5	24	19	-5
May	70	77	147	-17	-18.1	27	24	-3
June	70	90	160	-12	-11.4	31	18	-13
July	71	97	168	1	1.7	30	21	-9
August	72	90	161	-13	-12.3	24	32	8
September	71	101	172	-12	-9.7	31	18	-12
October	71	107	178	-9	-6.6	29	20	-9
November	71	110	182	-9	-5.2	21	23	1
December	70	72	142	-28	-28.0	18	55	36
Total	—	—	—	—	—	296	320	24
2001								
January	71	73	144	9	13.5	33	31	-1
February	69	67	136	1	1.1	19	27	8
March	69	53	122	-16	-23.6	20	34	14
April	69	71	140	-3	-4.4	33	15	-18
May	71	85	156	8	10.4	30	14	-16
June	71	85	155	-5	-5.1	26	25	-1
July	71	89	160	-8	-8.4	29	25	-4
August	71	86	157	-2	-2.7	27	29	2
September	71	100	171	0	-0.3	33	19	-14
October	71	108	180	1	0.8	33	24	-8
November	^R 77	^R 123	^R 200	^R 13	^R 11.6	^R 35	^R 21	^R -14
December	^R 77	^R 115	^R 191	^R 43	^R 59.4	19	^R 28	^R 9
Total	—	—	—	—	—	^R337	^R293	^R-44
2002								
January	77	^R 93	^R 170	^R 19	^R 26.2	24	^R 46	^R 22
February	77	^R 74	^R 151	^R 7	^R 10.9	^R 20	^R 38	^R 18
March	77	65	142	12	22.3	27	36	9

^a Total as of December 31.

^R Revised Data.

— Not Applicable.

Notes: Data for 1996 through 2000 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, 1996-2002

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1996 Total^a	—	—	—	—	—	2,647	2,665	18
1997 Total^a	—	—	—	—	—	2,533	2,551	18
1998 Total^a	—	—	—	—	—	2,608	2,103	-504
1999 Total^a	—	—	—	—	—	2,338	2,512	175
2000								
January	4,310	1,696	6,006	-280	-14.8	44	791	748
February	4,309	1,238	5,547	-418	-25.8	60	511	451
March	4,295	1,084	5,379	-242	-19.0	116	271	156
April	4,293	1,129	5,422	-277	-20.4	167	127	-41
May	4,292	1,356	5,648	-387	-22.1	286	58	-228
June	4,291	1,627	5,918	-423	-20.5	318	47	-271
July	4,291	1,906	6,196	-380	-16.6	343	62	-281
August	4,289	2,109	6,399	-401	-15.9	281	77	-204
September	4,289	2,393	6,683	-420	-14.9	340	61	-278
October	4,289	2,625	6,913	-336	-11.3	300	68	-233
November	4,290	2,332	6,621	-620	-20.9	86	373	287
December	4,282	1,647	5,929	-779	-32.0	47	731	684
Total	—	—	—	—	—	2,388	3,178	790
2001								
January	4,273	1,192	5,465	-504	-29.7	60	528	468
February	4,259	846	5,105	-392	-31.5	52	382	330
March	4,232	688	4,920	-396	-36.3	93	259	166
April	4,192	921	5,113	-208	-17.0	312	54	-259
May	4,239	1,355	5,594	-1	0.4	458	27	-432
June	4,239	1,798	6,037	171	11.2	445	23	-421
July	4,245	2,172	6,417	266	14.4	411	39	-372
August	4,242	2,490	6,732	380	18.5	357	50	-307
September	4,247	2,844	7,091	450	19.9	376	22	-354
October	4,238	3,036	7,274	411	15.7	248	68	-180
November	^R 4,224	^R 3,131	^R 7,354	^R 799	^R 34.3	^R 188	^R 117	^R -71
December	^R 4,224	^R 2,789	^R 7,013	^R 1,142	^R 69.3	^R 61	^R 402	^R 341
Total	—	—	—	—	—	^R3,062	^R1,971	^R-1,091
2002								
January	^R 4,236	^R 2,251	^R 6,487	^R 1,059	^R 88.8	^R 36	560	524
February	^R 4,279	^R 1,764	^R 6,043	^R 918	^R 108.6	35	479	^R 444
March	4,278	1,453	5,731	764	111.0	78	389	311

^a Total as of December 31.

^R Revised Data.

— Not Applicable.

Notes: Data for 1996 through 2000 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, 2000-2002
(Volumes in Million Cubic Feet)

State	2002			2001			
	March	February	January	Total	December	November	October
Alabama	271	^R 108	^R 210	^R -711	^R -11	^R -501	120
Arkansas	235	770	486	-2,904	507	-90	-339
California	5,245	^R 4,939	39,393	^R -74,641	^R 23,726	-13,104	-14,507
Colorado	5,766	7,182	4,892	-7,388	1,048	-63	753
Illinois	26,990	49,634	58,536	^R -24,866	^R 47,266	^R 43	-26,142
Indiana	3,589	4,666	^R 4,084	-5,686	3,777	-2,298	-3,809
Iowa	7,122	15,015	21,622	-21,025	17,209	-3,118	-11,688
Kansas	12,651	^R 17,130	^R 19,274	^R -46,721	^R 12,355	-4,369	-1,268
Kentucky	10,669	11,384	8,665	-36,233	6,206	12	-5,143
Louisiana	18,770	39,103	41,561	^R -123,545	^R 23,556	^R -20,514	-10,552
Maryland	2,121	1,352	2,722	-4,265	1,619	-34	-1,310
Michigan	74,426	^R 73,014	^R 84,521	^R -226,068	^R 65,214	^R -8,308	-42,469
Minnesota	375	332	304	-605	3	-134	-174
Mississippi	4,016	8,337	9,588	-11,441	4,205	-2,504	1,082
Missouri	1,089	825	-24	-904	254	-255	-248
Montana	3,605	2,765	3,400	-9,117	3,890	503	-1,573
Nebraska	1,628	679	1,267	-2,349	831	-45	-361
New Mexico	1,131	1,655	1,285	^R -9,476	645	^R -1,059	-173
New York	7,783	^R 10,978	^R 14,435	^R -16,354	^R 8,628	-1,337	-3,374
Ohio	33,060	44,426	41,480	-61,585	31,110	2,950	-9,844
Oklahoma	13,099	^R 20,976	23,962	^R -71,523	^R 10,886	^R -2,795	-4,003
Oregon	2,859	787	1,424	-2,624	1,572	-766	0
Pennsylvania	46,264	^R 62,974	^R 61,675	^R -92,474	^R 48,277	^R -9,455	-18,022
Tennessee	-1	-1	^R -50	^R -337	1	^R -30	-100
Texas	10,269	^R 27,590	^R 36,821	^R -176,609	^R -136	^R -15,122	-21,203
Utah	2,811	7,407	11,857	^R -12,511	9,619	^R 3,189	-280
Virginia	383	^R 677	500	-1,097	277	-27	-32
Washington	849	4,145	7,037	-2,821	-102	145	1,030
West Virginia	20,896	39,632	41,761	^R -79,928	^R 25,006	-5,364	-12,915
Wyoming	2,175	3,197	3,239	^R -8,570	^R 2,853	-1,029	-2,113
AGA Regions							
Producing	60,442	^R 115,667	^R 133,186	^R -442,931	^R 52,006	^R -46,954	-36,337
Eastern Consuming	236,020	^R 315,254	^R 341,195	^R -573,164	^R 255,676	^R -27,260	-135,455
Western Consuming	23,685	^R 30,755	71,547	^R -118,276	^R 42,609	^R -11,260	-16,864
Total	320,146	^R461,676	^R545,928	^R-1,134,378	^R350,291	^R-85,481	-188,656

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002
(Volumes in Million Cubic Feet) — Continued

Table 13

State	2001						
	September	August	July	June	May	April	March
Alabama	-17	-113	-154	-576	44	-195	604
Arkansas	-579	-505	-740	-879	-992	-604	139
California	-9,385	-10,941	-20,929	-29,462	-27,438	-17,361	-14,822
Colorado	-5,021	-4,513	-4,182	-4,069	-2,301	660	1,787
Illinois	-33,582	-23,679	-20,442	-25,936	-30,943	-12,251	14,412
Indiana	-4,044	-2,916	-3,671	-3,159	-1,372	1,366	2,616
Iowa	-13,710	-13,505	-10,141	-6,017	-5,532	-2,900	3,712
Kansas	-17,406	-7,572	-6,556	-13,884	-14,428	-11,364	4,933
Kentucky	-8,975	-6,409	-9,956	-12,782	-11,456	-4,039	6,901
Louisiana	-34,844	-13,578	-24,699	-30,405	-25,730	-22,513	5,213
Maryland	-1,166	518	-2,572	-3,098	-2,653	-1,402	1,215
Michigan	-72,648	-79,175	-87,034	-80,530	-71,545	-36,155	43,738
Minnesota	-232	-259	-328	-319	-152	23	154
Mississippi	-4,068	-1,986	-5,355	-6,274	-2,821	-8,549	10,930
Missouri	-348	-589	13	-1,063	17	-51	1,242
Montana	-4,853	-4,966	-5,523	-4,034	-2,902	-1	1,629
Nebraska	-1,250	-364	-339	-956	-1,908	-1,077	573
New Mexico	-891	13	93	-403	-2,645	-1,573	-1,851
New York	-6,343	-5,574	-10,233	-11,212	-13,541	-6,630	8,160
Ohio	-26,370	-32,266	-37,878	-32,303	-33,094	-15,734	22,906
Oklahoma	-17,906	-8,596	-10,224	-23,745	-28,938	-23,624	415
Oregon	-852	-1,860	-2,293	-2,561	-2,151	810	962
Pennsylvania	-39,267	-25,406	-50,422	-55,959	-66,462	-43,608	47,171
Tennessee	-62	-47	-63	-31	-113	-103	69
Texas	-28,769	-24,185	-21,624	-34,795	-40,985	-43,016	2,704
Utah	-7,384	-5,939	-7,179	-6,356	-7,254	-4,428	-2,807
Virginia	-271	-322	-244	-402	-532	-434	283
Washington	-1,450	-1,343	372	-200	-8,283	-2,300	592
West Virginia	-22,496	-25,939	-31,290	-28,838	-39,499	-18,243	16,521
Wyoming	-3,691	-3,143	-2,866	-1,800	-2,052	-1,073	534
AGA Regions							
Producing	-104,480	-56,521	-69,260	-110,961	-116,493	-111,438	23,088
Eastern Consuming	-230,533	-215,675	-264,271	-262,286	-278,633	-141,259	169,519
Western Consuming	-32,867	-32,963	-42,930	-48,800	-52,532	-23,671	-11,971
Total	-367,879	-305,159	-376,461	-422,046	-447,658	-276,368	180,636

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002

(Volumes in Million Cubic Feet) — Continued

State	2001		2000				
	February	January	Total	December	November	October	September
Alabama	-241	330	430	85	203	142	110
Arkansas	391	785	3,033	2,077	432	-397	-268
California	20,542	39,041	47,960	6,493	27,309	-10,735	-1,623
Colorado	4,374	4,138	8,613	4,969	4,003	-2,003	-2,248
Illinois	43,450	42,940	24,165	49,235	25,535	-33,495	-30,571
Indiana	3,544	4,279	3,892	7,120	-608	-4,297	-3,323
Iowa	8,167	16,496	13,560	23,122	11,086	-13,898	-13,240
Kansas	16,056	-3,218	34,047	25,577	20,998	-18,438	-16,047
Kentucky	2,626	6,783	30,198	23,027	11,187	-8,599	-10,707
Louisiana	96	30,425	96,201	67,565	12,336	-23,895	-20,965
Maryland	2,382	2,235	4,383	5,151	1,323	-288	-44
Michigan	76,815	66,029	146,588	127,858	48,638	-37,897	-46,387
Minnesota	323	489	306	567	-92	-199	-266
Mississippi	1,071	2,828	1,853	14,228	4,503	-4,386	-4,632
Missouri	379	-255	567	1,078	-191	-353	-711
Montana	4,504	4,208	13,911	5,173	3,722	51	-958
Nebraska	1,456	1,090	4,366	1,124	1,622	-503	-764
New Mexico	-1,657	25	-561	418	-295	-905	-50
New York	11,920	13,182	9,824	17,276	5,062	-4,026	-7,909
Ohio	27,160	41,777	48,330	61,149	24,034	-10,060	-23,823
Oklahoma	12,522	24,484	88,353	42,630	16,307	-13,209	-12,480
Oregon	2,264	2,252	212	1,565	849	-720	-720
Pennsylvania	51,475	69,205	47,204	96,037	21,869	-26,640	-47,265
Tennessee	82	59	59	-12	-86	-114	-49
Texas	8,957	41,565	127,251	67,839	12,680	-16,995	-12,544
Utah	4,031	12,277	6,537	10,861	9,016	1,000	-5,592
Virginia	92	517	471	789	354	-251	-202
Washington	6,110	2,608	1,932	-1,986	3,781	1,188	-2,835
West Virginia	26,341	36,787	42,171	55,132	20,788	-11,762	-24,203
Wyoming	2,586	3,225	8,063	3,611	1,933	336	-360
AGA Regions							
Producing	37,194	97,224	350,177	220,332	66,960	-78,226	-66,987
Eastern Consuming	255,889	301,124	376,207	468,171	170,818	-152,040	-209,087
Western Consuming	44,735	68,237	87,535	31,251	50,522	-11,083	-14,602
Total	337,818	466,585	813,920	719,754	288,299	-241,349	-290,675

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002
(Volumes in Million Cubic Feet) — Continued

State	2000					
	August	July	June	May	April	March
Alabama	0	-82	-606	-90	66	-8
Arkansas	-680	-649	-444	-698	-287	997
California	19,420	199	-7,106	-11,320	-20,587	-3,491
Colorado	-4,811	-4,606	-4,583	-359	1,385	6,790
Illinois	-27,776	-27,774	-32,238	-12,923	13,169	8,699
Indiana	-2,698	-2,195	-1,910	-248	1,377	2,071
Iowa	-12,021	-11,254	-6,094	-4,620	1,749	5,353
Kansas	-1,042	-9,926	-9,640	-6,168	2,341	11,536
Kentucky	-6,537	-10,798	-6,282	-4,150	3,556	6,943
Louisiana	-12,990	-23,235	-22,813	-4,848	10,011	20,254
Maryland	-2,241	-2,005	-2,994	-2,478	-652	-83
Michigan	-53,184	-50,105	-45,757	-48,421	-8,924	37,934
Minnesota	-277	-343	-132	2	109	282
Mississippi	-3,418	-5,252	-5,228	-4,057	540	-1,227
Missouri	209	16	19	-26	100	-110
Montana	-2,264	-2,041	-457	522	621	2,166
Nebraska	225	-620	1,077	-78	-92	43
New Mexico	1,040	800	-793	-468	-2,583	209
New York	-7,493	-10,091	-10,009	-8,664	-2,847	6,361
Ohio	-25,180	-33,397	-30,291	-29,262	-5,232	24,381
Oklahoma	660	-2,396	-12,742	-9,598	-6,249	2,136
Oregon	-2,074	-2,270	-2,101	-893	830	1,872
Pennsylvania	-32,778	-52,039	-42,636	-52,860	-7,150	11,111
Tennessee	0	0	0	0	18	63
Texas	12,106	1,215	-6,612	-1,260	-17,066	-12,440
Utah	-6,633	-6,747	-5,792	-5,613	-4,518	2,979
Virginia	-222	-222	-224	-291	-117	32
Washington	909	-3,739	-3,660	-2,639	-893	1,485
West Virginia	-25,366	-29,171	-23,246	-18,097	-4,493	14,445
Wyoming	-897	-553	-1,168	-1,590	116	1,328
AGA Regions						
Producing	-4,324	-39,442	-58,272	-27,098	-13,293	21,465
Eastern Consuming	-195,064	-229,737	-201,190	-182,207	-9,473	117,235
Western Consuming	3,374	-20,100	-24,998	-21,890	-22,936	13,411
Total	-196,014	-289,278	-284,459	-231,195	-45,702	152,111

^R Revised Data.

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 2000 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, Alabama 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, March 2002

(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	5,280	2,690	1,849	4,539	1,192	181.5	182	452
Arkansas	22,000	8,715	5,249	13,964	2,728	108.2	288	524
California	475,720	230,207	147,206	377,414	73,360	99.3	6,415	11,660
Colorado	100,227	47,655	18,138	65,793	207	1.2	1,443	7,209
Illinois	898,565	666,632	86,779	753,411	15,368	21.5	8,630	35,621
Indiana	109,310	77,477	16,813	94,290	-622	-3.6	103	3,692
Iowa	273,200	201,750	5,499	207,249	-1,760	-24.2	168	7,290
Kansas	301,502	178,432	36,518	214,950	10,730	41.6	3,779	16,430
Kentucky	219,914	139,879	37,784	177,662	-8,726	-18.8	818	11,487
Louisiana	580,037	272,198	154,421	426,619	83,203	116.8	17,989	36,759
Maryland	62,000	46,677	6,943	53,620	4,588	194.9	1,217	3,338
Michigan	1,070,717	459,159	264,295	723,454	154,642	141.0	575	75,001
Minnesota	7,000	4,840	1,143	5,983	561	96.4	0	375
Mississippi	134,012	77,715	30,592	108,307	8,822	40.5	4,747	8,762
Missouri	31,878	21,600	8,181	29,781	381	4.9	150	1,240
Montana	371,510	179,526	11,947	191,473	-2,206	-15.6	1,060	4,665
Nebraska	39,469	26,995	2,589	29,584	1,893	272.0	0	1,628
New Mexico	96,600	29,766	8,923	38,689	1,820	25.6	745	1,876
New York	175,496	96,259	36,453	132,713	16,269	80.6	1,135	8,918
Ohio	573,784	345,275	40,486	385,761	33,487	478.5	598	33,659
Oklahoma	382,037	208,376	79,066	287,441	58,687	288.0	6,478	19,577
Oregon	21,080	9,352	5,085	14,437	3,026	146.9	0	2,859
Pennsylvania	713,818	344,837	171,827	516,664	96,753	128.9	12,130	58,394
Tennessee	1,200	340	650	990	159	32.5	6	5
Texas	699,324	251,840	235,342	487,182	150,295	176.7	29,207	39,476
Utah	129,480	64,601	12,909	77,511	4,081	46.2	1,993	4,804
Virginia	4,967	2,372	968	3,339	436	81.8	0	383
Washington	37,300	19,000	4,943	23,943	-128	-2.5	2,411	3,260
West Virginia	733,126	276,180	66,945	343,125	56,628	548.9	2,873	23,769
Wyoming	105,869	64,689	18,252	82,941	10,371	131.6	201	2,376
AGA Regions								
Producing	2,220,792	1,029,732	551,959	1,581,691	318,133	136.1	63,414	123,856
Eastern Consuming	4,907,444	2,705,432	746,211	3,451,643	368,838	97.7	28,405	264,424
Western Consuming	1,248,185	619,871	219,625	839,495	89,272	68.5	13,523	37,208
Total	8,376,420	4,355,035	1,517,794	5,872,829	776,243	104.7	105,342	425,488

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, Alabama 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, 2000-2002
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001
				February	January	Total
Alabama	16,535	21,638	17,748	7,640	8,895	47,543
Alaska	4,123	3,700	4,239	1,998	2,125	16,788
Arizona	14,258	13,812	12,766	6,659	7,599	36,122
Arkansas	NA	16,216	13,149	7,325	NA	NA
California	143,641	155,939	132,075	64,134	79,507	508,265
Colorado	41,300	42,584	34,969	19,643	21,658	123,893
Connecticut	NA	14,640	14,521	NA	3,893	NA
Delaware	3,082	3,659	3,462	1,385	1,697	9,379
District of Columbia	4,311	5,923	5,902	1,988	2,324	14,297
Florida	4,409	5,986	4,682	1,893	2,516	15,623
Georgia	41,071	45,393	44,104	19,102	21,969	123,342
Hawaii	97	91	97	48	49	537
Idaho	7,177	6,952	6,046	3,442	3,735	19,076
Illinois	128,907	158,314	148,544	56,690	72,217	NA
Indiana	48,539	57,660	56,622	21,741	26,798	NA
Iowa	22,269	27,878	25,044	10,288	11,981	71,305
Kansas	24,473	29,999	24,974	11,197	13,277	70,546
Kentucky	19,476	21,582	21,823	9,346	10,130	56,778
Louisiana	NA	22,037	16,661	NA	8,322	NA
Maine	279	329	324	138	141	NA
Maryland	NA	30,784	29,512	NA	NA	NA
Massachusetts	33,657	39,612	39,832	16,360	17,297	109,204
Michigan	108,809	123,981	123,789	49,807	59,002	352,143
Minnesota	37,379	45,890	42,263	16,809	20,571	124,890
Mississippi	9,789	12,884	10,000	3,929	5,860	27,556
Missouri	39,953	50,077	42,149	18,792	21,161	115,618
Montana	6,112	6,605	5,990	2,799	3,313	20,102
Nebraska	14,949	17,358	13,977	6,220	8,729	45,378
Nevada	12,435	10,951	8,848	5,642	6,793	32,609
New Hampshire	2,100	2,456	2,558	1,053	1,047	6,947
New Jersey	64,602	75,859	75,996	30,266	34,336	208,449
New Mexico	11,391	11,670	9,568	6,135	5,256	32,374
New York	108,686	134,700	133,125	52,455	56,231	379,337
North Carolina	21,482	24,180	24,178	9,570	11,913	57,250
North Dakota	3,292	3,715	3,625	1,455	1,837	10,674
Ohio	101,049	118,397	116,562	47,274	53,775	314,033
Oklahoma	NA	25,743	22,906	12,908	NA	62,545
Oregon	12,576	12,265	12,398	6,096	6,480	38,369
Pennsylvania	70,528	91,237	90,788	33,327	37,202	240,614
Rhode Island	NA	6,437	6,356	2,648	NA	17,937
South Carolina	10,558	12,608	12,004	4,632	5,926	26,955
South Dakota	3,749	4,337	3,920	1,726	2,024	12,295
Tennessee	27,115	29,959	26,552	12,157	14,959	66,745
Texas	72,091	91,765	65,139	29,456	42,635	221,573
Utah	19,799	18,278	15,357	9,276	10,522	55,331
Vermont	860	991	975	441	419	2,719
Virginia	24,649	29,973	29,181	11,122	13,527	71,151
Washington	NA	22,065	21,761	NA	^R 11,306	84,668
West Virginia	NA	12,365	12,112	5,765	NA	33,302
Wisconsin	38,875	46,482	43,659	17,975	20,900	130,302
Wyoming	3,804	3,711	3,351	1,439	2,365	11,064
Total	1,514,264	1,771,666	1,636,183	695,792	^R818,472	4,814,678

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama	4,341	2,986	1,711	1,130	1,151	1,149
Alaska	2,783	2,185	1,661	818	538	519
Arizona	5,012	1,653	1,153	1,025	985	1,055
Arkansas	NA	NA	1,615	812	849	1,023
California	63,738	38,751	28,974	21,170	22,303	23,989
Colorado	17,192	8,570	4,079	2,816	2,462	3,044
Connecticut	NA	NA	2,120	883	1,007	803
Delaware	833	628	341	187	164	219
District of Columbia	1,353	950	471	331	313	351
Florida	1,202	985	764	700	702	728
Georgia	17,132	8,841	8,108	3,928	3,608	3,674
Hawaii	47	43	40	43	41	44
Idaho	2,820	1,597	712	423	341	412
Illinois	NA	34,296	26,298	12,207	8,969	9,918
Indiana	18,917	11,418	7,965	NA	NA	NA
Iowa	9,450	4,785	3,523	1,585	1,316	1,546
Kansas	8,416	3,837	2,057	1,573	1,539	1,536
Kentucky	9,494	5,087	3,162	1,371	1,098	1,031
Louisiana	NA	NA	NA	NA	NA	NA
Maine	132	NA	54	32	25	25
Maryland	NA	6,205	5,110	NA	1,819	1,809
Massachusetts	8,703	6,927	4,565	2,858	2,366	2,765
Michigan	41,753	28,909	19,055	8,651	6,298	7,084
Minnesota	17,729	9,659	7,548	3,204	2,630	2,730
Mississippi	2,798	1,887	914	616	651	735
Missouri	13,235	6,963	3,838	2,524	2,166	2,366
Montana	2,946	1,838	1,158	502	404	416
Nebraska	4,191	4,793	1,742	870	905	950
Nevada	5,895	2,186	1,251	1,033	995	1,041
New Hampshire	766	492	302	185	149	154
New Jersey	23,913	15,898	9,200	5,254	4,821	4,780
New Mexico	6,493	2,933	1,561	1,003	839	1,008
New York	36,073	24,853	15,401	9,861	9,371	9,969
North Carolina	6,402	4,563	2,498	1,078	942	1,082
North Dakota	1,712	1,010	779	266	282	215
Ohio	37,549	23,958	16,164	6,867	6,140	7,420
Oklahoma	7,707	3,417	1,897	1,275	1,283	1,524
Oregon	5,275	3,343	1,443	918	905	1,095
Pennsylvania	27,155	17,649	11,241	5,392	4,960	5,108
Rhode Island	1,609	1,153	617	506	450	476
South Carolina	2,516	2,054	887	512	470	492
South Dakota	1,795	970	668	278	276	247
Tennessee	8,112	4,579	2,221	1,264	1,146	1,161
Texas	31,816	13,981	8,436	5,565	7,779	5,729
Utah	10,135	5,608	3,489	1,610	1,448	1,411
Vermont	270	203	91	67	54	65
Virginia	7,355	5,335	3,174	1,493	1,580	1,520
Washington	15,978	11,144	5,692	1,864	1,731	2,113
West Virginia	5,098	3,187	1,622	775	462	398
Wisconsin	18,656	9,669	8,093	3,736	2,418	2,930
Wyoming	1,511	1,048	722	274	249	240
Total	607,711	363,649	239,267	129,089	117,764	125,008

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama	1,297	1,893	4,605	5,643	8,644	12,994
Alaska	609	980	1,182	1,813	1,824	1,876
Arizona	1,267	1,896	2,824	5,439	7,072	6,739
Arkansas	857	1,954	2,373	5,362	6,443	9,773
California	22,861	30,433	41,474	58,633	71,182	84,757
Colorado	4,464	8,234	12,557	17,892	20,481	22,102
Connecticut	^R 1,208	1,309	3,644	6,135	6,215	8,425
Delaware	275	461	1,048	1,564	1,715	1,943
District of Columbia	442	595	1,390	2,178	2,544	3,379
Florida	781	955	1,310	1,510	2,635	3,351
Georgia	3,819	4,742	7,029	17,069	16,513	28,880
Hawaii	47	46	47	49	43	48
Idaho	584	1,063	1,794	2,379	3,455	3,497
Illinois	11,443	14,452	26,454	61,269	72,405	85,909
Indiana	NA	NA	10,918	21,871	24,627	33,033
Iowa	1,929	2,639	5,559	11,095	13,101	14,777
Kansas	1,743	2,437	5,758	11,650	12,213	17,787
Kentucky	954	1,307	2,488	9,204	8,955	12,626
Louisiana	1,719	2,183	3,698	5,473	8,840	13,197
Maine	22	49	61	143	154	175
Maryland	2,207	3,035	6,713	11,619	12,948	17,836
Massachusetts	3,514	5,835	13,605	18,455	18,490	21,123
Michigan	10,690	16,531	33,454	55,739	55,540	68,440
Minnesota	3,485	4,833	9,565	17,617	22,678	23,212
Mississippi	773	1,142	1,958	3,199	4,981	7,902
Missouri	3,043	3,840	9,594	17,971	21,190	28,888
Montana	696	1,047	1,906	2,583	3,330	3,276
Nebraska	1,180	2,564	4,596	6,229	7,494	9,864
Nevada	1,174	1,640	2,470	3,974	5,415	5,536
New Hampshire	214	386	784	1,061	1,132	1,324
New Jersey	6,006	9,242	20,570	32,905	33,583	42,276
New Mexico	966	1,190	1,948	2,762	5,561	6,109
New York	14,262	22,366	42,975	59,507	64,028	70,672
North Carolina	1,544	2,045	5,034	7,881	9,527	14,653
North Dakota	246	366	818	1,267	1,934	1,781
Ohio	8,794	12,305	27,986	48,453	51,889	66,508
Oklahoma	1,767	2,512	5,434	9,987	12,033	13,710
Oregon	1,508	2,653	3,916	5,048	5,941	6,324
Pennsylvania	6,222	10,195	23,385	38,071	39,900	51,338
Rhode Island	644	1,030	2,133	2,881	2,966	3,471
South Carolina	567	992	2,620	3,238	4,689	7,919
South Dakota	369	547	1,039	1,770	2,172	2,165
Tennessee	1,288	1,970	5,352	9,693	10,443	19,516
Texas	6,979	8,492	15,626	25,405	38,785	52,979
Utah	1,782	1,888	4,120	5,561	8,187	10,092
Vermont	96	146	316	420	446	544
Virginia	1,805	2,377	5,712	10,828	12,695	17,278
Washington	3,021	4,899	7,278	8,883	10,980	11,085
West Virginia	456	994	3,502	4,443	5,442	6,923
Wisconsin	3,410	4,725	8,545	21,640	22,782	23,699
Wyoming	440	610	1,158	1,101	1,846	1,865
Total	148,903	214,738	410,325	686,559	788,090	983,576

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2000					
	Total	December	November	October	September	August
Alabama	45,794	8,385	2,900	1,700	1,160	1,134
Alaska	15,979	2,013	1,748	1,454	927	618
Arizona	34,740	5,704	2,787	1,070	971	903
Arkansas	42,361	10,480	5,332	1,487	1,154	916
California	516,730	68,470	52,106	31,757	24,496	22,116
Colorado	116,363	20,693	10,855	5,520	2,706	2,553
Connecticut	41,534	6,755	3,793	2,262	979	617
Delaware	9,467	1,404	615	270	172	188
District of Columbia	15,437	2,557	1,069	553	376	356
Florida	15,133	1,940	994	829	700	701
Georgia	140,838	34,149	15,912	6,682	4,164	3,833
Hawaii	535	44	42	41	41	39
Idaho	19,131	3,272	2,147	859	484	349
Illinois	467,052	99,546	55,919	21,839	12,373	10,589
Indiana	160,027	32,663	15,481	6,732	3,955	2,904
Iowa	73,825	15,570	8,096	3,114	1,710	1,410
Kansas	70,589	14,343	5,601	2,523	1,578	1,307
Kentucky	64,662	15,301	8,161	2,793	1,446	1,233
Louisiana	49,744	9,497	4,251	2,204	1,714	1,623
Maine	1,037	176	96	63	32	26
Maryland	84,082	15,652	8,114	3,809	2,058	1,951
Massachusetts	114,077	16,794	9,077	4,856	2,942	2,588
Michigan	365,661	64,432	31,636	17,518	9,240	7,508
Minnesota	129,487	26,737	14,839	6,141	3,252	2,756
Mississippi	26,656	5,308	1,725	1,063	707	693
Missouri	115,353	23,334	9,293	4,019	2,505	2,478
Montana	20,072	3,475	2,406	1,305	609	391
Nebraska	41,715	6,890	3,620	1,877	1,048	774
Nevada	29,942	4,950	3,228	1,399	1,085	932
New Hampshire	7,274	1,033	566	302	182	143
New Jersey	219,878	37,333	20,021	10,449	5,939	5,115
New Mexico	35,921	6,450	4,663	2,505	1,217	984
New York	404,203	61,679	34,303	18,879	11,268	10,453
North Carolina	63,897	12,523	5,969	2,450	1,052	1,010
North Dakota	10,963	1,904	1,120	585	251	223
Ohio	343,302	68,382	32,751	15,897	7,667	6,817
Oklahoma	66,581	14,022	5,593	2,339	1,489	1,428
Oregon	38,698	6,028	3,552	1,572	977	801
Pennsylvania	262,770	46,947	23,666	12,517	6,985	5,649
Rhode Island	18,655	2,487	1,262	722	506	451
South Carolina	29,057	6,012	2,023	1,007	533	466
South Dakota	12,608	2,621	1,375	601	277	243
Tennessee	67,950	15,034	5,172	2,367	1,216	1,104
Texas	193,149	38,534	15,788	8,306	5,793	5,675
Utah	55,626	9,652	8,379	3,824	2,415	1,444
Vermont	2,843	376	210	124	72	62
Virginia	79,701	15,690	8,190	3,287	1,712	1,487
Washington	71,779	10,887	6,796	3,234	2,023	1,614
West Virginia	31,602	5,331	2,177	1,372	599	535
Wisconsin	135,023	27,792	15,542	6,848	3,593	2,907
Wyoming	12,177	2,076	1,302	743	386	291
Total	4,991,678	913,328	482,262	235,670	140,734	122,387

^R Revised Data.^{NA} Not Available.

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

revision policy.

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

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001
				February	January	Total
Alabama	7,530	9,288	7,968	3,530	4,000	26,344
Alaska	3,752	3,835	6,197	1,782	1,970	18,327
Arizona	8,555	7,739	7,628	4,105	4,450	31,601
Arkansas	NA	NA	8,254	7,636	NA	NA
California	52,913	53,657	50,737	24,573	28,341	247,188
Colorado	20,365	21,947	17,066	9,076	11,290	68,209
Connecticut	NA	12,691	12,656	NA	3,367	NA
Delaware	1,931	2,097	1,802	892	1,039	6,218
District of Columbia	4,656	4,700	4,640	2,204	2,452	16,657
Florida	10,081	10,785	9,687	4,782	5,299	50,046
Georgia	16,266	16,515	16,915	7,566	8,700	51,713
Hawaii	283	305	302	138	145	1,749
Idaho	7,327	4,556	3,924	2,493	4,833	14,205
Illinois	52,733	64,579	62,143	21,882	30,850	NA
Indiana	24,139	NA	28,755	11,356	12,783	NA
Iowa	13,798	16,653	14,183	6,362	7,436	NA
Kansas	12,324	14,791	12,649	5,633	6,690	38,930
Kentucky	11,040	13,427	12,422	5,567	5,473	35,555
Louisiana	8,906	7,893	6,426	4,524	^R 4,382	NA
Maine	1,436	408	884	701	735	NA
Maryland	NA	16,648	16,542	NA	NA	NA
Massachusetts	20,306	18,487	18,102	10,392	9,914	NA
Michigan	50,016	59,604	58,448	24,282	25,734	175,657
Minnesota	24,122	31,452	28,926	11,181	12,941	95,740
Mississippi	6,043	7,257	5,984	2,814	3,229	NA
Missouri	20,551	24,887	20,984	9,749	10,802	64,937
Montana	4,158	5,057	3,979	1,898	2,260	13,311
Nebraska	7,912	8,448	8,504	4,328	3,584	26,911
Nevada	6,291	5,670	5,594	2,789	3,502	^R 22,825
New Hampshire	2,568	2,593	2,648	1,296	1,272	NA
New Jersey	39,563	45,800	48,697	18,908	20,655	^R 136,617
New Mexico	7,639	8,009	7,103	3,981	3,658	24,864
New York	67,377	73,577	70,925	33,808	33,569	332,059
North Carolina	11,875	13,026	13,737	5,587	6,287	38,555
North Dakota	3,616	3,571	3,299	1,374	2,242	10,552
Ohio	46,306	63,068	57,283	23,735	22,570	171,937
Oklahoma	NA	17,689	12,415	6,986	NA	^R 51,827
Oregon	8,822	8,255	8,328	3,969	4,853	43,665
Pennsylvania	39,571	45,587	47,972	19,527	20,045	137,064
Rhode Island	NA	4,079	4,106	1,641	NA	12,805
South Carolina	5,755	6,131	6,170	2,739	3,016	20,599
South Dakota	2,827	3,188	2,956	1,309	1,518	9,710
Tennessee	16,560	19,563	19,095	7,390	^R 9,170	49,973
Texas	39,999	78,911	43,818	16,135	^R 23,864	289,768
Utah	11,129	10,106	8,498	5,275	5,854	31,206
Vermont	745	821	853	383	362	2,473
Virginia	17,107	18,157	19,450	8,130	8,978	59,344
Washington	NA	13,795	13,514	NA	^R 8,814	NA
West Virginia	8,643	7,548	7,246	3,986	4,658	27,803
Wisconsin	22,432	26,389	24,629	10,392	12,040	78,833
Wyoming	3,156	2,986	2,467	994	^R 2,161	9,526
Total	821,761	953,166	877,505	387,719	^R434,043	^R3,202,524

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama	2,291	1,816	1,625	1,177	1,101	1,079
Alaska	2,533	2,148	1,687	998	856	814
Arizona	3,722	2,313	1,882	1,834	1,767	1,781
Arkansas	NA	NA	4,472	4,038	3,787	NA
California	25,418	18,980	18,243	16,253	17,221	15,534
Colorado	9,083	4,633	2,598	2,033	1,799	2,251
Connecticut	NA	NA	2,263	NA	1,949	1,632
Delaware	571	433	317	203	175	197
District of Columbia	1,515	1,224	801	781	628	903
Florida	4,332	4,172	3,748	3,666	3,475	3,462
Georgia	6,450	4,086	3,607	2,245	2,138	2,118
Hawaii	136	137	138	145	140	148
Idaho	1,932	1,133	657	485	502	572
Illinois	NA	14,389	12,107	7,862	6,349	6,170
Indiana	9,205	6,280	5,007	NA	NA	NA
Iowa	NA	3,552	2,881	1,613	995	NA
Kansas	4,255	2,290	1,571	1,369	1,451	1,576
Kentucky	4,618	2,829	1,783	1,147	1,124	1,023
Louisiana	NA	NA	NA	NA	NA	NA
Maine	636	NA	140	84	69	68
Maryland	NA	4,066	3,538	NA	2,184	2,317
Massachusetts	NA	4,722	3,222	2,785	2,321	2,157
Michigan	19,320	13,386	9,549	6,002	5,163	5,218
Minnesota	15,243	6,442	6,089	2,999	2,955	2,773
Mississippi	1,964	NA	1,211	NA	1,124	1,060
Missouri	7,426	4,148	2,767	2,147	1,991	2,064
Montana	1,771	1,147	725	387	363	383
Nebraska	3,183	1,677	1,020	963	909	1,040
Nevada	2,788	1,795	1,407	1,236	1,255	1,254
New Hampshire	NA	NA	262	233	219	128
New Jersey	^R 14,245	^R 10,385	^R 6,907	^R 5,181	^R 4,278	^R 4,881
New Mexico	3,348	1,469	1,390	1,044	967	1,020
New York	25,122	20,263	20,321	25,847	24,807	22,619
North Carolina	4,053	2,971	2,299	1,660	1,478	1,606
North Dakota	1,641	1,006	788	325	316	336
Ohio	20,210	11,018	9,910	5,598	4,650	5,159
Oklahoma	4,733	^R 3,152	2,704	2,890	1,954	2,358
Oregon	3,349	4,673	4,063	3,562	3,492	4,058
Pennsylvania	15,610	10,145	8,349	4,770	4,235	4,128
Rhode Island	1,223	935	636	491	464	460
South Carolina	1,868	1,597	1,300	1,117	1,063	1,067
South Dakota	1,379	780	600	282	295	268
Tennessee	4,663	3,064	2,297	2,025	1,738	2,022
Texas	25,052	18,635	18,561	17,043	18,867	16,616
Utah	5,296	2,895	1,850	982	932	934
Vermont	241	189	108	92	72	74
Virginia	6,519	5,205	3,752	2,944	2,757	2,512
Washington	9,237	NA	NA	8,576	8,523	9,290
West Virginia	3,713	2,577	2,563	1,288	1,138	832
Wisconsin	10,359	5,906	5,292	2,592	2,007	2,314
Wyoming	939	1,049	584	299	203	247
Total	^R345,393	^R235,235	^R202,147	^R161,214	^R152,454	^R145,638

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama	1,194	1,504	2,319	2,949	3,903	5,385
Alaska	873	1,279	1,410	1,894	1,839	1,995
Arizona	1,972	2,317	2,810	3,466	3,759	3,981
Arkansas	NA	NA	NA	NA	NA	NA
California	15,716	16,985	26,490	22,690	25,858	27,800
Colorado	2,917	4,718	6,845	9,385	10,179	11,768
Connecticut	^R 2,471	2,386	4,268	5,652	5,993	6,697
Delaware	242	312	663	1,007	952	1,145
District of Columbia	851	1,119	1,937	2,198	2,271	2,429
Florida	3,641	3,973	4,240	4,551	5,257	5,528
Georgia	2,174	2,443	3,362	6,576	6,486	10,029
Hawaii	151	145	150	154	151	154
Idaho	660	922	1,193	1,594	2,238	2,318
Illinois	6,217	7,787	12,159	26,168	30,068	34,511
Indiana	NA	NA	5,485	NA	NA	NA
Iowa	1,425	1,811	3,538	6,633	7,762	8,891
Kansas	1,282	1,491	3,107	5,747	6,595	8,195
Kentucky	937	1,402	2,360	4,906	5,480	7,947
Louisiana	1,742	1,861	2,238	NA	3,437	4,456
Maine	64	107	194	358	408	0
Maryland	2,415	2,905	4,619	6,629	7,092	9,556
Massachusetts	2,668	3,908	6,724	8,588	8,839	9,648
Michigan	6,157	8,669	16,610	25,979	27,509	32,095
Minnesota	3,170	4,156	7,444	13,019	15,176	16,275
Mississippi	1,019	1,175	1,579	2,486	3,000	4,257
Missouri	2,206	2,705	5,395	9,201	10,942	13,945
Montana	492	767	1,254	965	2,796	2,261
Nebraska	1,132	1,508	2,814	4,218	4,666	3,782
Nevada	1,347	1,553	1,970	2,549	2,817	^R 2,853
New Hampshire	190	510	990	1,201	1,405	1,187
New Jersey	^R 4,463	^R 7,525	^R 13,566	^R 19,385	^R 21,369	^R 24,431
New Mexico	1,087	1,420	2,600	2,510	3,989	4,021
New York	30,702	29,525	25,816	33,461	36,187	37,390
North Carolina	1,594	2,047	3,190	4,630	5,346	7,680
North Dakota	280	400	810	1,078	1,791	1,780
Ohio	5,389	7,509	14,670	24,756	29,422	33,647
Oklahoma	2,353	2,594	4,048	7,353	8,443	9,246
Oregon	3,956	2,032	2,755	3,470	3,967	4,288
Pennsylvania	5,025	6,681	12,504	20,029	20,575	25,012
Rhode Island	511	743	1,382	1,882	1,930	2,149
South Carolina	1,109	1,317	1,834	2,195	2,542	3,589
South Dakota	303	410	802	1,404	1,676	1,512
Tennessee	1,907	2,173	4,400	6,121	7,729	11,835
Texas	16,834	27,570	21,873	29,807	35,900	43,011
Utah	973	1,385	2,538	3,315	4,551	5,556
Vermont	108	136	276	356	374	447
Virginia	2,553	3,035	4,711	7,199	7,950	10,207
Washington	9,848	3,863	4,948	5,683	6,745	7,049
West Virginia	1,297	1,241	2,637	2,969	3,379	4,169
Wisconsin	2,559	3,161	5,576	12,678	12,640	13,749
Wyoming	344	469	1,195	1,212	1,378	1,608
Total	^R 161,964	^R 189,575	^R 267,658	^R 388,081	^R 440,585	^R 512,582

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2000					
	Total	December	November	October	September	August
Alabama	25,344	3,814	1,867	1,398	1,109	1,070
Alaska	26,424	3,068	2,636	2,618	1,569	1,308
Arizona	32,211	3,650	2,403	2,020	1,914	1,877
Arkansas	33,181	6,255	3,970	1,525	1,097	1,927
California	250,947	24,997	24,057	17,276	17,990	17,572
Colorado	60,909	9,864	5,955	3,529	1,823	1,761
Connecticut	48,579	6,598	4,338	3,116	2,212	2,306
Delaware	5,127	704	421	234	58	185
District of Columbia	17,744	2,174	1,236	955	889	857
Florida	47,973	4,774	3,954	3,523	3,348	3,233
Georgia	59,334	11,102	5,923	3,064	2,293	2,123
Hawaii	1,771	145	152	146	145	141
Idaho	13,451	2,117	1,415	690	507	418
Illinois	201,835	37,604	21,467	10,550	7,544	6,704
Indiana	90,427	17,488	8,877	4,729	3,340	2,597
Iowa	45,597	9,008	4,830	2,241	1,462	1,086
Kansas	39,650	7,127	3,348	1,733	1,516	1,371
Kentucky	38,670	8,089	4,089	1,804	1,247	1,060
Louisiana	25,673	3,596	2,152	1,561	1,346	1,386
Maine	2,770	439	249	154	81	78
Maryland	55,748	8,042	4,816	2,747	2,392	2,070
Massachusetts	63,798	8,390	5,170	3,243	3,414	2,318
Michigan	186,084	29,408	15,210	9,262	6,629	6,094
Minnesota	94,536	16,756	10,478	5,030	3,217	3,027
Mississippi	21,379	3,336	1,799	1,349	1,128	1,024
Missouri	62,856	10,701	4,989	3,110	1,821	1,962
Montana	13,538	2,131	1,471	835	459	359
Nebraska	28,462	5,212	2,112	1,228	998	955
Nevada	25,637	2,771	2,431	1,775	1,542	1,526
New Hampshire	8,323	977	931	417	295	276
New Jersey	158,544	22,681	12,531	6,986	4,203	13,684
New Mexico	27,609	3,945	2,589	1,548	1,567	1,143
New York	410,454	40,591	32,761	29,652	30,697	29,704
North Carolina	43,105	6,823	3,963	2,192	1,694	1,542
North Dakota	10,795	1,961	1,136	564	326	326
Ohio	178,024	31,211	16,280	8,257	5,104	4,940
Oklahoma	43,347	7,351	3,413	2,057	1,956	1,893
Oregon	28,643	4,076	2,457	1,430	1,148	1,013
Pennsylvania	145,364	23,427	13,074	7,835	5,110	4,437
Rhode Island	12,998	1,749	999	667	479	447
South Carolina	22,107	3,148	1,784	1,354	1,180	1,107
South Dakota	10,120	1,920	1,066	476	288	251
Tennessee	53,202	8,430	4,422	2,431	2,238	1,834
Texas	185,828	24,896	14,895	11,451	11,707	12,328
Utah	31,426	5,205	4,320	2,000	1,308	919
Vermont	2,595	327	212	127	87	82
Virginia	66,161	10,029	6,545	3,840	2,763	2,691
Washington	50,573	6,488	5,338	2,558	2,073	1,894
West Virginia	26,168	3,536	2,209	1,634	1,211	1,235
Wisconsin	81,146	15,464	9,095	4,300	2,542	2,491
Wyoming	9,767	1,368	1,079	633	383	300
Total	3,225,955	474,960	292,916	183,855	151,449	152,929

^R Revised Data.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total 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, 2000-2002
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001
				February	January	Total
Alabama	31,916	28,092	35,256	15,858	16,058	168,427
Alaska	11,992	12,348	12,510	5,757	6,235	72,352
Arizona	3,753	4,758	4,122	1,804	1,949	25,912
Arkansas	18,879	NA	25,550	9,546	9,333	NA
California	159,864	227,196	181,966	74,271	85,592	1,325,103
Colorado	NA	17,742	17,233	NA	NA	^R 82,567
Connecticut	5,334	4,242	7,251	2,202	3,132	24,757
Delaware	4,183	5,139	6,042	1,916	2,266	25,769
District of Columbia	0	0	0	0	0	0
Florida	22,110	19,713	24,103	10,653	^R 11,457	127,590
Georgia	23,668	22,346	28,786	11,711	11,957	150,311
Hawaii	82	94	89	40	42	532
Idaho ^a	5,318	5,927	6,063	2,553	^R 2,765	29,794
Illinois	54,527	59,615	70,245	27,460	27,067	NA
Indiana	50,092	52,120	62,844	24,365	25,727	NA
Iowa	16,495	18,364	19,396	7,896	8,599	NA
Kansas	15,222	17,921	18,120	7,503	7,720	95,009
Kentucky	17,430	19,327	21,352	8,622	^R 8,808	93,411
Louisiana	139,444	174,156	153,218	66,125	^R 73,319	NA
Maine	1	421	683	0	1	NA
Maryland	NA	6,066	7,343	NA	NA	NA
Massachusetts	20,012	26,702	26,628	8,062	11,950	NA
Michigan	54,853	57,356	64,039	27,215	27,638	292,033
Minnesota	14,588	16,794	21,978	7,021	7,568	87,449
Mississippi	16,323	16,633	21,209	7,921	8,402	NA
Missouri	12,351	16,638	14,166	5,870	6,480	69,243
Montana	4,145	4,666	5,136	2,074	2,071	20,884
Nebraska	6,361	6,202	7,271	3,117	3,244	39,200
Nevada	12,536	8,586	5,695	7,311	5,225	49,174
New Hampshire	576	677	872	267	309	NA
New Jersey	31,064	28,094	38,669	15,497	15,567	^R 189,987
New Mexico	3,575	4,990	3,894	1,905	1,670	34,676
New York	46,013	50,530	48,042	23,697	22,316	NA
North Carolina	17,614	13,172	19,054	8,759	8,856	88,705
North Dakota	2,283	2,862	2,449	866	1,417	17,788
Ohio	49,353	63,423	69,711	24,122	25,231	285,933
Oklahoma	21,076	24,821	31,312	11,107	^R 9,970	122,795
Oregon	16,475	17,351	20,151	8,691	7,783	99,393
Pennsylvania	40,563	40,415	47,308	18,795	21,767	216,124
Rhode Island	10,548	6,445	12,850	4,646	5,901	59,140
South Carolina	16,908	10,260	17,198	8,373	8,535	79,366
South Dakota	690	1,322	952	318	372	6,863
Tennessee	22,978	23,334	22,511	11,755	11,223	134,764
Texas	372,513	300,900	338,780	178,887	^R 193,626	1,996,502
Utah	5,105	6,468	7,497	2,450	2,655	33,858
Vermont	652	355	597	317	335	2,713
Virginia	13,009	13,195	18,129	6,429	6,581	NA
Washington	NA	22,122	23,205	NA	9,058	NA
West Virginia	NA	7,206	8,828	1,498	NA	40,979
Wisconsin	29,843	32,561	35,743	14,101	15,743	148,926
Wyoming	5,781	5,530	8,498	2,722	3,058	30,142
Total	1,480,879	1,544,551	1,644,545	716,344	^R764,536	^R8,980,824

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama	14,034	11,744	14,890	13,879	14,386	13,740
Alaska	5,757	5,339	5,720	6,144	6,807	6,637
Arizona	2,138	1,814	1,676	1,825	1,984	2,804
Arkansas	9,521	8,999	9,645	7,587	7,323	8,129
California	98,074	88,425	103,404	116,352	126,970	117,280
Colorado	^R 6,041	^R 6,442	^R 4,903	^R 4,715	^R 5,951	^R 5,309
Connecticut	1,602	2,042	2,107	1,837	1,885	2,365
Delaware	2,106	2,317	2,529	1,999	1,838	1,865
District of Columbia	0	0	0	0	0	0
Florida	10,286	11,437	10,498	11,215	10,777	11,725
Georgia	11,565	11,656	13,489	12,719	14,785	13,086
Hawaii	42	37	41	39	47	50
Idaho ^a	2,539	2,462	2,377	2,135	2,002	2,309
Illinois	NA	24,037	25,415	18,871	23,273	24,006
Indiana	23,373	21,048	21,265	NA	20,496	NA
Iowa	NA	8,271	7,856	7,091	7,311	NA
Kansas	7,414	7,277	6,766	8,638	9,968	8,833
Kentucky	8,611	8,039	7,233	6,978	6,507	6,648
Louisiana	99,828	NA	94,692	91,332	90,898	86,065
Maine	NA	NA	308	210	208	186
Maryland	NA	4,224	3,174	NA	4,579	3,311
Massachusetts	NA	10,883	11,256	10,391	12,636	10,817
Michigan	26,295	25,389	22,066	19,333	20,378	20,990
Minnesota	7,574	7,868	7,598	7,652	6,898	5,898
Mississippi	7,984	NA	6,995	7,692	7,464	7,299
Missouri	7,387	5,448	5,059	4,406	4,993	4,870
Montana	1,969	2,086	1,555	1,239	1,334	1,494
Nebraska	3,079	3,909	2,532	3,375	3,739	5,233
Nevada	4,184	4,115	5,412	4,761	5,416	4,251
New Hampshire	NA	354	321	253	201	266
New Jersey	^R 15,291	^R 17,125	^R 16,676	^R 17,330	^R 18,019	^R 17,198
New Mexico	2,363	2,436	1,905	1,972	2,095	6,145
New York	NA	NA	22,284	NA	25,872	23,321
North Carolina	8,442	7,954	8,989	7,394	7,839	6,997
North Dakota	1,122	1,070	1,463	1,361	1,797	815
Ohio	28,054	23,139	22,320	19,690	18,118	19,353
Oklahoma	8,183	7,796	8,660	7,338	7,483	10,603
Oregon	8,257	7,852	12,016	7,469	7,091	6,978
Pennsylvania	19,828	18,003	17,709	18,151	17,375	15,310
Rhode Island	6,000	4,522	5,999	5,777	6,065	5,269
South Carolina	7,761	7,229	8,408	6,827	7,129	6,652
South Dakota	370	361	374	402	444	527
Tennessee	12,127	11,657	13,539	9,259	10,472	9,870
Texas	182,209	171,698	189,280	179,624	184,357	188,612
Utah	2,423	2,588	3,045	2,730	2,367	2,640
Vermont	316	266	240	202	181	165
Virginia	9,776	NA	NA	8,702	9,294	8,016
Washington	8,157	9,297	NA	10,194	11,258	10,848
West Virginia	3,498	4,599	2,609	3,606	3,070	3,290
Wisconsin	13,889	12,256	12,491	9,914	9,662	9,058
Wyoming	2,872	2,629	2,671	2,403	2,374	2,286
Total	^R764,095	^R729,718	^R770,292	^R740,851	^R773,415	^R755,594

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama	13,425	14,493	14,024	15,721	14,026	14,066
Alaska	5,235	5,728	6,151	6,487	5,805	6,543
Arizona	2,266	2,379	2,002	2,267	2,460	2,298
Arkansas	NA	9,809	10,024	10,593	NA	10,397
California	113,462	114,391	110,102	109,447	108,390	118,805
Colorado	8,162	^R 6,636	^R 8,626	^R 8,042	^R 8,039	^R 9,703
Connecticut	2,111	2,302	2,065	2,199	2,053	2,189
Delaware	1,839	1,579	2,205	2,354	2,588	2,551
District of Columbia	0	0	0	0	0	0
Florida	10,326	10,925	10,437	10,251	9,233	10,481
Georgia	11,733	12,021	13,820	13,094	11,511	10,835
Hawaii	46	46	47	44	43	51
Idaho ^a	2,286	2,320	2,661	2,777	2,826	3,101
Illinois	20,129	24,389	23,815	29,170	29,292	30,323
Indiana	19,065	19,635	20,256	25,296	24,195	27,925
Iowa	6,987	7,912	8,120	9,066	8,810	9,554
Kansas	6,545	5,682	7,543	8,424	8,460	9,461
Kentucky	6,391	6,533	9,833	7,311	8,595	10,733
Louisiana	77,954	82,603	86,434	93,389	86,299	87,857
Maine	195	167	51	76	314	107
Maryland	3,458	3,072	3,100	3,649	2,909	3,157
Massachusetts	10,866	12,359	11,603	11,651	13,239	13,462
Michigan	21,823	22,132	26,777	29,494	27,728	29,628
Minnesota	5,750	5,771	7,290	8,357	8,061	8,734
Mississippi	7,475	7,919	7,940	9,236	6,432	10,201
Missouri	4,496	4,620	5,627	5,699	7,933	8,705
Montana	1,227	1,228	1,867	2,220	2,222	2,444
Nebraska	2,615	2,590	3,156	2,770	2,967	3,235
Nevada	3,878	2,622	2,322	3,628	4,466	4,120
New Hampshire	277	397	163	378	336	340
New Jersey	^R 15,245	^R 14,195	^R 15,781	^R 15,033	13,187	^R 14,908
New Mexico	3,297	3,553	3,296	2,625	2,536	2,454
New York	24,819	22,445	25,583	26,460	25,367	25,164
North Carolina	7,026	6,697	6,704	7,491	6,309	6,863
North Dakota	2,014	1,855	2,198	1,231	1,553	1,310
Ohio	19,767	20,690	23,206	28,172	28,382	35,041
Oklahoma	10,182	12,669	12,464	12,596	14,486	10,335
Oregon	7,633	7,637	8,199	8,910	9,919	7,431
Pennsylvania	14,559	16,638	17,920	20,217	19,879	20,536
Rhode Island	4,852	5,197	3,625	5,389	2,954	3,491
South Carolina	6,245	6,103	6,097	6,657	5,548	4,712
South Dakota	513	822	866	861	720	602
Tennessee	10,227	10,118	12,554	11,605	11,208	12,126
Texas	135,066	143,541	157,172	164,043	147,429	153,471
Utah	2,866	2,965	3,001	2,766	3,278	3,190
Vermont	176	261	242	309	183	172
Virginia	4,659	5,793	4,896	4,722	6,321	6,874
Washington	10,633	11,763	11,415	11,824	11,331	10,791
West Virginia	2,975	3,132	3,335	3,659	3,457	3,749
Wisconsin	9,000	9,418	11,397	19,281	16,412	16,149
Wyoming	2,398	2,339	2,155	2,485	2,461	3,068
Total	^R672,633	^R700,086	^R740,165	^R789,423	^R751,109	^R793,442

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2000					
	Total	December	November	October	September	August
Alabama	191,010	16,038	15,523	15,063	13,787	15,060
Alaska	72,694	6,000	4,910	5,262	4,647	8,885
Arizona	25,052	2,428	2,175	1,930	2,050	2,060
Arkansas	132,834	11,826	10,831	11,408	9,943	9,944
California	1,350,795	110,101	113,796	134,647	129,442	154,030
Colorado	90,233	9,821	7,493	6,774	6,980	6,683
Connecticut	33,598	2,817	2,851	2,198	2,320	2,974
Delaware	33,103	2,645	2,457	3,112	2,334	2,037
District of Columbia	0	0	0	0	0	0
Florida	139,597	9,767	11,229	10,873	10,589	11,863
Georgia	173,277	12,357	13,270	13,716	13,796	15,060
Hawaii	536	43	47	46	40	42
Idaho ^a	32,464	2,790	2,811	2,765	2,545	2,209
Illinois	335,154	34,634	30,563	23,869	24,114	24,854
Indiana	312,222	30,064	25,863	24,240	23,427	23,508
Iowa	100,368	9,937	9,027	8,208	7,652	7,319
Kansas	108,903	7,927	8,592	7,358	10,961	11,230
Kentucky	100,803	9,159	8,654	7,552	7,329	7,184
Louisiana	899,418	83,603	85,394	85,484	79,940	86,359
Maine	3,927	581	496	334	246	229
Maryland	46,220	4,116	4,128	3,895	3,701	3,968
Massachusetts	151,845	15,068	11,974	12,721	9,554	11,509
Michigan	297,963	29,269	22,875	20,419	19,199	18,894
Minnesota	103,952	9,740	9,486	7,486	8,753	7,051
Mississippi	111,764	9,696	8,905	8,427	8,409	8,777
Missouri	69,186	7,276	6,010	7,323	3,400	3,221
Montana	23,841	2,541	2,232	1,733	1,554	1,331
Nebraska	45,958	3,560	3,326	2,874	5,952	3,093
Nevada	46,573	4,995	4,342	4,718	4,357	4,692
New Hampshire	4,453	357	274	336	290	293
New Jersey	195,301	15,799	14,228	14,735	11,389	11,563
New Mexico	26,086	2,157	2,072	2,210	2,506	2,514
New York	338,202	27,155	26,732	26,539	28,712	30,648
North Carolina	105,416	7,664	8,578	8,600	7,652	7,821
North Dakota	14,795	1,178	1,206	1,450	1,197	1,216
Ohio	332,135	33,353	29,746	24,404	22,608	22,421
Oklahoma	163,919	11,008	11,788	10,874	12,717	12,423
Oregon	104,078	6,515	8,039	8,711	8,622	8,088
Pennsylvania	248,652	21,993	20,298	18,553	18,152	19,081
Rhode Island	46,393	4,322	4,438	3,915	1,630	2,214
South Carolina	97,682	6,668	8,083	7,710	7,075	7,941
South Dakota	6,400	672	780	413	614	746
Tennessee	129,548	12,263	11,502	11,410	10,348	10,032
Texas	2,165,454	194,019	189,111	181,821	177,702	198,331
Utah	39,378	3,617	3,558	3,066	3,058	3,012
Vermont	3,949	228	403	384	370	310
Virginia	100,530	12,253	6,324	5,997	7,739	6,934
Washington	116,233	8,181	8,199	10,328	9,292	9,192
West Virginia	44,421	3,832	3,325	3,250	3,385	3,425
Wisconsin	159,842	18,505	14,483	11,909	10,467	10,373
Wyoming	35,409	2,665	3,195	1,894	2,213	2,043
Total	9,511,565	843,204	805,625	792,947	764,758	824,688

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

^R Revised Data.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 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, 2000-2002
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001
				February	January	Total
Alabama	NA	5,522	1,505	NA	R ⁹ 046	64,634
Alaska	NA	6,016	6,162	NA	R ² 735	32,581
Arizona	NA	16,689	6,839	NA	R ² 065	102,420
Arkansas	NA	2,061	4,105	NA	R ⁴ 95	21,025
California	NA	22,781	15,715	NA	R ⁶ 572	120,344
Colorado	NA	5,828	4,052	NA	R ³ 137	46,191
Connecticut	NA	0	0	NA	R ⁰	0
Delaware	NA	12	1,033	NA	R ⁶	481
District of Columbia	NA	0	0	NA	R ⁰	0
Florida	NA	25,658	50,880	NA	R ³⁰ 792	328,723
Georgia	NA	58	133	NA	R ¹⁸⁸	12,293
Hawaii	NA	0	0	NA	R ⁰	0
Idaho	NA	0	0	NA	R ²³	0
Illinois	NA	190	210	NA	R ²⁹⁸	5,964
Indiana	NA	1,413	820	NA	R ^{1,003}	6,372
Iowa	NA	398	518	NA	R ³⁸¹	5,699
Kansas	NA	1,316	2,948	NA	R ⁴⁶⁰	24,846
Kentucky	NA	112	688	NA	R ¹⁷⁹	4,140
Louisiana	NA	26,237	35,167	NA	R ^{14,492}	227,001
Maine	NA	0	0	NA	R ⁰	0
Maryland	NA	0	781	NA	R ⁰	7
Massachusetts	NA	17	245	NA	R ¹²⁶	2,280
Michigan	NA	4,078	7,596	NA	R ^{1,474}	33,490
Minnesota	NA	323	488	NA	R ¹⁹⁴	5,281
Mississippi	NA	5,179	15,378	NA	R ^{14,820}	114,355
Missouri	NA	1,132	2,774	NA	R ^{2,705}	30,571
Montana	NA	1	30	NA	R ¹	146
Nebraska	NA	172	229	NA	R ^{2,672}	4,505
Nevada	NA	13,064	9,070	NA	R ^{4,092}	68,213
New Hampshire	NA	0	179	NA	R ¹⁸	527
New Jersey	NA	21	989	NA	R ²⁵	1,224
New Mexico	NA	4,000	6,011	NA	R ^{1,213}	38,366
New York	NA	5,327	12,614	NA	R ^{6,902}	93,920
North Carolina	NA	7	139	NA	R ⁴⁶	7,606
North Dakota	NA	0	0	NA	R ⁰	3
Ohio	NA	181	708	NA	R ¹⁰⁵	5,269
Oklahoma	NA	15,038	15,813	NA	R ^{7,663}	161,187
Oregon	NA	8,638	6,140	NA	R ^{3,277}	44,998
Pennsylvania	NA	178	601	NA	R ¹	3,039
Rhode Island	NA	0	0	NA	R ⁰	0
South Carolina	NA	30	50	NA	R ⁷	2,314
South Dakota	NA	406	98	NA	R ¹⁸	4,478
Tennessee	NA	0	411	NA	R ⁰	47
Texas	NA	112,447	139,685	NA	R ^{53,343}	956,709
Utah	NA	2,667	661	NA	R ⁵⁰⁸	13,652
Vermont	NA	33	28	NA	R ⁴	116
Virginia	NA	84	3,196	NA	R ^{1,837}	17,752
Washington	NA	9,688	558	NA	R ⁹²⁸	46,964
West Virginia	NA	32	47	NA	R ³	507
Wisconsin	NA	1,867	1,844	NA	R ⁵¹¹	12,039
Wyoming	NA	458	22	NA	R ¹⁵⁶	2,727
Total	NA	299,359	357,159	NA	R^{174,519}	2,675,006

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama	5,131	6,592	6,682	6,602	8,257	7,771
Alaska	3,200	2,960	2,851	2,373	2,600	2,483
Arizona	3,840	2,986	6,219	7,159	9,536	10,766
Arkansas	412	1,174	1,544	1,634	3,555	3,790
California	6,417	6,605	9,483	9,966	12,184	10,248
Colorado	3,615	2,886	4,500	3,958	4,255	4,738
Connecticut	0	0	0	0	0	0
Delaware	21	38	22	233	81	38
District of Columbia	0	0	0	0	0	0
Florida	30,852	25,048	36,823	38,234	37,384	36,268
Georgia	65	33	776	1,853	3,120	2,742
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	811	653	526	297	1,226	1,352
Indiana	435	529	107	271	1,496	749
Iowa	274	245	257	451	1,245	1,116
Kansas	844	1,122	1,289	1,686	5,398	7,576
Kentucky	278	154	239	405	1,056	841
Louisiana	10,174	9,289	18,182	24,115	35,190	30,144
Maine	0	0	0	0	0	0
Maryland	0	0	0	1	2	1
Massachusetts	178	66	336	451	554	198
Michigan	2,200	2,727	4,307	2,577	6,107	5,271
Minnesota	132	181	197	224	1,520	1,305
Mississippi	8,675	8,352	12,910	17,435	16,388	16,065
Missouri	1,863	1,844	1,994	2,832	6,224	6,128
Montana	0	1	1	3	47	61
Nebraska	263	257	260	191	731	1,246
Nevada	5,269	4,273	4,781	4,112	5,712	5,549
New Hampshire	29	0	292	185	20	0
New Jersey	14	6	24	67	471	166
New Mexico	1,207	2,208	2,915	3,251	4,265	4,905
New York	9,130	8,353	11,505	11,237	14,708	12,049
North Carolina	109	89	416	500	3,173	1,800
North Dakota	0	0	0	0	0	0
Ohio	38	93	81	181	1,267	1,267
Oklahoma	9,205	9,544	12,517	16,613	23,748	27,086
Oregon	2,774	3,226	3,847	3,565	4,246	4,228
Pennsylvania	131	150	167	221	654	593
Rhode Island	0	0	0	0	0	0
South Carolina	51	52	804	62	525	356
South Dakota	67	24	58	205	664	713
Tennessee	0	0	0	0	0	22
Texas	41,630	45,062	70,974	82,891	131,279	134,024
Utah	639	486	725	1,141	1,138	1,121
Vermont	3	3	3	2	2	3
Virginia	1,419	2,044	2,290	3,047	3,536	2,519
Washington	1,148	1,155	2,354	2,507	3,760	5,371
West Virginia	24	23	29	37	104	97
Wisconsin	425	546	778	960	2,328	1,841
Wyoming	224	193	196	173	186	228
Total	153,217	151,276	224,262	253,907	359,940	354,834

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

Table 18

State	2001					
	June	May	April	March	February	January
Alabama	6,482	4,641	3,331	3,623	1,845	3,677
Alaska	2,437	2,265	2,433	2,962	2,844	3,173
Arizona	10,322	13,167	11,380	10,355	9,845	6,845
Arkansas	1,428	1,753	2,511	1,164	392	1,668
California	9,909	10,925	11,287	10,539	10,510	12,271
Colorado	4,241	3,905	3,979	4,286	3,128	2,700
Connecticut	0	0	0	0	0	0
Delaware	21	5	5	5	6	7
District of Columbia	0	0	0	0	0	0
Florida	31,497	25,687	23,007	18,266	11,945	13,712
Georgia	1,262	1,154	1,138	91	36	22
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	441	312	74	81	93	97
Indiana	630	141	412	188	939	474
Iowa	483	545	362	323	173	225
Kansas	2,043	1,586	988	997	638	678
Kentucky	351	306	205	194	51	61
Louisiana	20,017	19,898	20,504	13,251	11,918	14,320
Maine	0	0	0	0	0	0
Maryland	1	1	0	0	0	0
Massachusetts	125	226	57	71	8	9
Michigan	2,785	1,061	638	1,739	1,565	2,512
Minnesota	446	418	282	253	131	192
Mississippi	8,776	8,837	8,249	3,489	1,703	3,476
Missouri	2,764	2,188	2,192	1,411	654	478
Montana	19	7	1	4	0	1
Nebraska	441	323	330	293	107	65
Nevada	5,526	6,724	5,595	7,607	5,726	7,338
New Hampshire	0	0	0	0	0	0
New Jersey	252	86	61	56	21	0
New Mexico	4,229	4,023	4,031	3,334	2,465	1,536
New York	9,056	5,225	4,271	3,062	2,923	2,404
North Carolina	1,017	315	152	27	0	7
North Dakota	0	1	0	0	0	0
Ohio	589	810	423	340	102	80
Oklahoma	15,635	11,818	10,440	9,542	6,291	8,748
Oregon	4,264	3,452	3,333	3,425	5,099	3,539
Pennsylvania	373	370	109	93	94	84
Rhode Island	0	0	0	0	0	0
South Carolina	281	94	47	10	8	23
South Dakota	455	654	633	599	302	104
Tennessee	23	0	0	2	0	0
Texas	103,980	93,384	79,731	61,306	52,505	59,942
Utah	1,362	1,503	1,489	1,380	1,389	1,278
Vermont	3	54	2	6	3	31
Virginia	1,761	644	331	78	22	62
Washington	3,720	5,798	5,787	5,674	5,604	4,084
West Virginia	60	62	21	18	16	16
Wisconsin	943	756	580	1,015	1,296	572
Wyoming	162	256	384	269	229	229
Total	260,613	235,381	210,784	171,432	142,626	156,734

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility^a Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2000					
	Total	December	November	October	September	August
Alabama	36,344	2,801	2,884	1,786	3,225	7,664
Alaska	35,570	3,503	3,192	3,101	2,874	2,819
Arizona	92,019	8,870	9,180	8,454	10,500	14,122
Arkansas	34,603	1,697	1,240	550	2,346	5,039
California	129,449	10,220	9,776	10,078	13,583	17,611
Colorado	32,148	3,568	2,727	2,651	3,071	4,115
Connecticut	0	0	0	0	0	0
Delaware	4,337	5	5	1	13	27
District of Columbia	0	0	0	0	0	0
Florida	316,486	14,992	17,873	23,037	27,763	32,193
Georgia	21,447	58	327	466	1,941	5,018
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	2,764	130	156	129	279	502
Indiana	7,754	1,986	282	627	1,193	988
Iowa	4,735	257	255	251	486	972
Kansas	33,509	1,239	1,227	1,321	3,667	8,932
Kentucky	4,073	519	359	194	133	464
Louisiana	292,002	17,809	17,447	20,551	27,576	40,290
Maine	0	0	0	0	0	0
Maryland	20,665	109	1,864	1,594	1,308	3,029
Massachusetts	3,190	23	201	247	171	508
Michigan	43,548	3,891	3,325	2,942	2,805	5,522
Minnesota	5,411	413	335	289	268	1,308
Mississippi	89,110	4,617	3,896	3,745	6,197	11,679
Missouri	30,480	1,161	650	1,405	3,470	8,384
Montana	192	25	8	0	5	55
Nebraska	5,508	316	319	410	586	1,519
Nevada	80,037	7,380	7,343	8,092	7,974	9,610
New Hampshire	783	0	0	0	0	0
New Jersey	16,952	54	26	34	100	2,619
New Mexico	38,080	1,757	1,601	2,414	3,002	4,929
New York	95,812	3,242	5,006	6,021	6,761	8,748
North Carolina	9,579	4	210	204	736	2,273
North Dakota	0	0	0	0	0	0
Ohio	6,791	250	323	291	340	1,231
Oklahoma	169,031	11,350	8,367	10,238	18,117	26,734
Oregon	41,500	5,761	4,121	4,316	4,053	4,417
Pennsylvania	2,955	79	193	207	187	382
Rhode Island	0	0	0	0	0	0
South Carolina	2,814	14	55	31	75	650
South Dakota	3,607	311	412	235	460	810
Tennessee	1,829	14	43	0	15	184
Texas	1,245,008	72,445	67,697	88,232	119,309	162,282
Utah	10,544	1,182	1,048	1,071	879	1,222
Vermont	1,023	18	116	127	112	160
Virginia	15,923	235	433	519	562	2,074
Washington	41,173	2,829	4,978	6,796	6,420	7,189
West Virginia	425	33	26	41	74	45
Wisconsin	12,043	1,436	658	426	686	1,787
Wyoming	1,843	239	135	360	213	238
Total	3,043,094	186,846	180,318	213,487	283,535	410,344

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

^R Revised Data.

^{NA} Not Available.

Notes: February 2002 data not available in time for publication. See box on page one for more information. Geographic coverage is the 50 States and the District of Columbia.

Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002

(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001
				February	January	Total
Alabama	NA	64,539	62,477	NA	R37,999	306,948
Alaska	NA	25,899	29,108	NA	R13,065	140,049
Arizona	NA	42,998	31,355	NA	R16,062	196,056
Arkansas	NA	46,967	51,058	NA	NA	NA
California	NA	459,573	380,494	NA	R200,011	2,200,900
Colorado	NA	88,100	73,320	NA	NA	R320,861
Connecticut	NA	31,573	34,428	NA	R10,392	NA
Delaware	NA	10,907	12,338	NA	R5,008	41,847
District of Columbia	NA	10,623	10,542	NA	R4,776	30,954
Florida	NA	62,142	89,352	NA	R50,063	521,983
Georgia	NA	84,312	89,937	NA	R42,814	337,660
Hawaii	NA	490	489	NA	R236	2,818
Idaho	NA	17,435	16,033	NA	R11,357	63,076
Illinois	NA	282,697	281,142	NA	R130,432	NA
Indiana	NA	138,803	149,041	NA	R66,310	NA
Iowa	NA	63,292	59,140	NA	R28,397	217,988
Kansas	NA	64,027	58,692	NA	R28,147	229,331
Kentucky	NA	54,448	56,285	NA	R24,591	189,883
Louisiana	NA	230,324	211,472	NA	R100,515	NA
Maine	NA	1,157	1,891	NA	R877	NA
Maryland	NA	53,498	54,178	NA	NA	NA
Massachusetts	NA	84,818	84,807	NA	R39,288	NA
Michigan	NA	245,019	253,872	NA	R113,847	853,324
Minnesota	NA	94,459	93,654	NA	R41,273	313,361
Mississippi	NA	41,953	52,570	NA	R32,312	NA
Missouri	NA	92,735	80,071	NA	R41,148	280,369
Montana	NA	16,329	15,135	NA	R7,646	54,443
Nebraska	NA	32,179	29,981	NA	R18,229	115,993
Nevada	NA	38,270	29,207	NA	R19,612	R172,821
New Hampshire	NA	5,726	6,257	NA	R2,646	NA
New Jersey	NA	149,775	164,352	NA	R70,583	R536,276
New Mexico	NA	28,670	26,576	NA	R11,797	130,280
New York	NA	264,134	264,705	NA	R119,017	NA
North Carolina	NA	50,385	57,108	NA	R27,101	192,115
North Dakota	NA	10,148	9,373	NA	R5,495	39,016
Ohio	NA	245,069	244,264	NA	R101,682	777,171
Oklahoma	NA	83,291	82,445	NA	NA	R398,354
Oregon	NA	46,509	47,017	NA	R22,394	226,425
Pennsylvania	NA	177,417	186,669	NA	R79,014	596,842
Rhode Island	NA	16,961	23,312	NA	NA	89,882
South Carolina	NA	29,029	35,422	NA	R17,483	129,235
South Dakota	NA	9,253	7,925	NA	R3,932	33,346
Tennessee	NA	72,857	68,568	NA	R35,352	251,528
Texas	NA	584,022	587,422	NA	R313,468	3,464,553
Utah	NA	37,520	32,013	NA	R19,539	134,046
Vermont	NA	2,200	2,453	NA	R1,120	8,021
Virginia	NA	61,409	69,956	NA	R30,922	NA
Washington	NA	67,670	59,038	NA	R30,106	353,337
West Virginia	NA	27,150	28,233	NA	NA	102,591
Wisconsin	NA	107,299	105,875	NA	R49,193	370,100
Wyoming	NA	12,684	14,337	NA	R7,740	53,459
Total	NA	4,568,743	4,515,392	NA	R2,191,570	R19,673,033

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama	25,797	23,139	24,908	22,789	24,895	23,738
Alaska	14,274	12,632	11,919	10,333	10,801	10,453
Arizona	14,712	8,766	10,929	11,843	14,271	16,407
Arkansas	NA	NA	17,276	14,072	15,514	13,638
California	193,648	152,761	160,104	163,742	178,678	167,051
Colorado	^R 35,931	^R 22,531	^R 16,081	^R 13,521	^R 14,467	^R 15,341
Connecticut	NA	NA	6,490	4,426	4,841	4,800
Delaware	3,531	3,417	3,209	2,621	2,258	2,319
District of Columbia	2,867	2,174	1,272	1,113	941	1,253
Florida	46,672	41,643	51,833	53,815	52,338	52,183
Georgia	35,212	24,615	25,980	20,745	23,651	21,619
Hawaii	225	217	220	226	227	242
Idaho	7,291	5,191	3,746	3,043	2,844	3,293
Illinois	NA	73,374	64,346	39,237	39,817	41,446
Indiana	51,929	39,275	34,345	NA	NA	NA
Iowa	22,465	16,853	14,517	10,741	10,866	10,827
Kansas	20,929	14,526	11,684	13,266	18,357	19,522
Kentucky	23,002	16,109	12,417	9,901	9,784	9,542
Louisiana	NA	NA	NA	NA	NA	119,544
Maine	NA	NA	502	326	302	278
Maryland	NA	14,496	11,822	NA	8,585	7,439
Massachusetts	NA	NA	19,379	16,485	17,877	15,937
Michigan	89,568	70,411	54,977	36,562	37,946	38,563
Minnesota	40,678	24,149	21,432	14,080	14,003	12,706
Mississippi	21,421	NA	22,030	26,772	25,627	25,159
Missouri	29,911	18,403	13,659	11,909	15,374	15,429
Montana	6,685	5,072	3,440	2,131	2,148	2,355
Nebraska	10,716	10,636	5,554	5,399	6,284	8,468
Nevada	18,136	12,368	12,850	11,142	13,378	12,096
New Hampshire	NA	NA	1,177	855	589	548
New Jersey	^R 53,463	^R 43,413	^R 32,806	^R 27,832	^R 27,589	^R 27,026
New Mexico	13,411	9,046	7,771	7,270	8,165	13,077
New York	NA	NA	69,510	NA	74,757	67,957
North Carolina	19,006	15,578	14,203	10,633	13,433	11,484
North Dakota	4,474	3,086	3,030	1,952	2,395	1,366
Ohio	85,850	58,208	48,475	32,336	30,175	33,199
Oklahoma	29,828	^R 23,909	25,778	28,117	34,468	41,570
Oregon	19,656	19,094	21,368	15,513	15,735	16,359
Pennsylvania	62,724	45,947	37,466	28,535	27,225	25,139
Rhode Island	8,832	6,610	7,252	6,774	6,980	6,205
South Carolina	12,197	10,932	11,400	8,517	9,187	8,567
South Dakota	3,610	2,136	1,701	1,167	1,678	1,755
Tennessee	24,903	19,300	18,057	12,548	13,356	13,075
Texas	280,707	249,377	287,251	285,123	342,282	344,981
Utah	18,494	11,578	9,107	6,464	5,884	6,106
Vermont	830	661	442	363	309	307
Virginia	25,069	NA	NA	16,185	17,167	14,567
Washington	34,520	30,993	29,080	23,142	25,272	27,622
West Virginia	12,333	10,387	6,822	5,707	4,774	4,618
Wisconsin	43,329	28,376	26,654	17,202	16,415	16,143
Wyoming	5,545	4,920	4,172	3,149	3,013	3,001
Total	^R1,870,415	^R1,479,877	^R1,435,969	^R1,285,061	^R1,403,574	^R1,381,074

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002

(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama	22,397	22,531	24,279	27,936	28,418	36,121
Alaska	9,154	10,251	11,177	13,156	12,312	13,587
Arizona	15,827	19,759	19,016	21,528	23,136	19,862
Arkansas	11,461	14,394	16,273	20,177	19,540	27,427
California	161,947	172,734	189,353	201,309	215,940	243,634
Colorado	19,785	^R 23,492	^R 32,007	^R 39,605	^R 41,827	^R 46,273
Connecticut	^R 5,791	5,996	9,977	13,985	14,262	17,311
Delaware	2,376	2,356	3,922	4,931	5,261	5,646
District of Columbia	1,293	1,713	3,327	4,377	4,815	5,808
Florida	46,246	41,540	38,994	34,578	29,070	33,072
Georgia	18,989	20,360	25,349	36,829	34,546	49,766
Hawaii	244	237	243	247	237	253
Idaho	3,530	4,306	5,648	6,749	8,519	8,916
Illinois	38,231	46,939	62,502	116,688	131,858	150,840
Indiana	NA	NA	37,071	57,630	61,843	76,961
Iowa	10,825	12,907	17,579	27,117	29,847	33,445
Kansas	11,612	11,196	17,395	26,818	27,907	36,120
Kentucky	8,632	9,548	14,885	21,615	23,081	31,367
Louisiana	101,432	106,545	112,874	114,606	110,494	119,830
Maine	282	323	305	577	875	282
Maryland	8,081	9,013	14,433	21,897	22,949	30,549
Massachusetts	17,173	22,327	31,988	38,765	40,576	44,242
Michigan	41,455	48,392	77,479	112,951	112,343	132,676
Minnesota	12,851	15,177	24,580	39,246	46,046	48,412
Mississippi	18,044	19,073	19,726	18,410	16,116	25,837
Missouri	12,509	13,352	22,808	34,281	40,720	52,015
Montana	2,434	3,050	5,028	5,773	8,348	7,981
Nebraska	5,368	6,985	10,895	13,509	15,234	16,945
Nevada	11,925	12,539	12,358	17,758	18,423	^R 19,847
New Hampshire	680	1,293	1,936	2,640	2,874	2,852
New Jersey	^R 25,966	^R 31,048	^R 49,978	^R 67,380	^R 68,160	^R 81,615
New Mexico	9,579	10,186	11,874	11,231	14,550	14,120
New York	78,838	79,561	98,645	122,491	128,504	135,629
North Carolina	11,181	11,104	15,080	20,029	21,182	29,204
North Dakota	2,540	2,622	3,826	3,576	5,277	4,871
Ohio	34,539	41,314	66,285	101,721	109,794	135,276
Oklahoma	29,936	29,593	32,386	39,477	41,253	42,038
Oregon	17,361	15,774	18,202	20,853	24,926	21,583
Pennsylvania	26,178	33,884	53,918	78,410	80,447	96,970
Rhode Island	6,007	6,970	7,140	10,152	7,850	9,111
South Carolina	8,202	8,506	10,597	12,101	12,786	16,242
South Dakota	1,639	2,433	3,339	4,634	4,871	4,383
Tennessee	13,445	14,261	22,306	27,420	29,379	43,477
Texas	262,860	272,987	274,402	280,561	274,619	309,403
Utah	6,982	7,742	11,148	13,022	17,404	20,115
Vermont	384	598	837	1,091	1,005	1,195
Virginia	10,777	11,849	15,650	22,827	26,989	34,420
Washington	27,223	26,323	29,428	32,064	34,661	33,009
West Virginia	4,788	5,428	9,494	11,090	12,293	14,857
Wisconsin	15,911	18,060	26,098	54,615	53,130	54,169
Wyoming	3,344	6,674	4,892	5,067	5,914	6,770
Total	^R 1,244,114	^R 1,339,779	^R 1,628,932	^R 2,035,495	^R 2,122,409	^R 2,446,334

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002
(Million Cubic Feet) — Continued

State	2000					
	Total	December	November	October	September	August
Alabama	298,492	31,038	23,174	19,947	19,282	24,928
Alaska	150,666	14,583	12,486	12,435	10,017	13,630
Arizona	184,023	20,652	16,546	13,475	15,434	18,961
Arkansas	242,977	30,258	21,372	14,970	14,540	17,825
California	2,247,921	213,789	199,735	193,758	185,511	211,329
Colorado	299,653	43,946	27,031	18,474	14,580	15,112
Connecticut	123,711	16,169	10,983	7,576	5,511	5,897
Delaware	52,034	4,756	3,498	3,618	2,575	2,436
District of Columbia	33,181	4,731	2,305	1,507	1,265	1,214
Florida	519,190	31,473	34,049	38,263	42,400	47,990
Georgia	394,896	57,665	35,432	23,929	22,194	26,034
Hawaii	2,841	232	240	233	227	221
Idaho	65,046	8,180	6,373	4,313	3,536	2,977
Illinois	1,006,805	171,913	108,105	56,387	44,310	42,649
Indiana	570,431	82,201	50,503	36,328	31,916	29,996
Iowa	224,526	34,772	22,207	13,815	11,309	10,787
Kansas	252,650	30,636	18,769	12,935	17,723	22,839
Kentucky	208,207	33,069	21,263	12,343	10,156	9,941
Louisiana	1,266,837	114,506	109,244	109,800	110,576	129,659
Maine	7,733	1,196	841	552	359	333
Maryland	206,716	27,920	18,923	12,045	9,458	11,018
Massachusetts	332,910	40,276	26,421	21,068	16,081	16,923
Michigan	893,256	127,001	73,045	50,142	37,873	38,018
Minnesota	333,386	53,647	35,138	18,947	15,490	14,141
Mississippi	248,908	22,958	16,325	14,584	16,441	22,172
Missouri	277,875	42,473	20,942	15,856	11,197	16,044
Montana	57,642	8,171	6,118	3,874	2,628	2,135
Nebraska	121,642	15,978	9,377	6,389	8,585	6,341
Nevada	182,188	20,096	17,345	15,984	14,958	16,759
New Hampshire	20,833	2,367	1,772	1,055	767	712
New Jersey	590,675	75,867	46,807	32,204	21,631	32,981
New Mexico	127,696	14,308	10,924	8,677	8,292	9,570
New York	1,248,672	132,667	98,801	81,091	77,438	79,554
North Carolina	221,998	27,014	18,720	13,446	11,135	12,646
North Dakota	36,553	5,043	3,462	2,599	1,775	1,765
Ohio	860,252	133,197	79,100	48,850	35,718	35,410
Oklahoma	442,877	43,731	29,160	25,508	34,279	42,478
Oregon	212,918	22,380	18,168	16,028	14,799	14,319
Pennsylvania	659,740	92,446	57,231	39,111	30,434	29,550
Rhode Island	78,046	8,558	6,700	5,305	2,614	3,113
South Carolina	151,660	15,842	11,945	10,102	8,863	10,164
South Dakota	32,735	5,524	3,633	1,725	1,638	2,050
Tennessee	252,528	35,741	21,139	16,208	13,816	13,154
Texas	3,789,439	329,893	287,491	289,811	314,512	378,616
Utah	136,975	19,656	17,305	9,961	7,660	6,597
Vermont	10,410	949	941	761	641	614
Virginia	262,316	38,207	21,492	13,644	12,776	13,187
Washington	279,757	28,385	25,312	22,916	19,808	19,888
West Virginia	102,616	12,733	7,738	6,297	5,269	5,241
Wisconsin	388,053	63,197	39,779	23,483	17,288	17,559
Wyoming	59,195	6,348	5,710	3,629	3,196	2,873
Total	20,772,291	2,418,338	1,761,121	1,425,960	1,340,476	1,510,349

^R Revised Data.

NA Not Available.

Notes: February 2002 deliveries to Electric Utilities not available in time for publication. See box on page one for more information. 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, 2000-2002

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001		
				February	January	Total	December	November
Alabama	4.75	7.72	3.13	4.80	4.71	6.62	4.99	4.99
Alaska	2.43	2.48	1.59	2.41	2.44	2.35	2.34	2.30
Arizona	3.39	7.18	4.02	3.35	3.41	5.05	3.27	4.38
Arkansas	NA	NA	3.02	5.72	NA	NA	NA	NA
California	2.56	11.03	2.72	2.42	2.68	6.64	2.80	3.15
Colorado	2.61	6.17	2.60	2.58	2.64	4.21	2.93	3.02
Connecticut	NA	10.61	5.68	NA	6.72	^R 8.12	^R 5.07	^R 6.30
Delaware	4.28	8.14	3.57	4.07	4.47	5.18	4.39	4.05
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.32	8.58	3.78	3.27	3.35	5.21	3.41	3.58
Georgia	3.17	8.57	3.46	4.21	^R 2.44	6.05	3.77	4.26
Hawaii	6.30	8.99	7.27	6.10	6.49	7.86	6.95	7.53
Idaho	3.66	5.92	2.54	3.53	^R 3.77	4.65	3.74	3.85
Illinois	3.36	8.91	3.02	3.16	3.52	NA	NA	3.56
Indiana	3.35	6.95	2.72	3.33	3.37	NA	3.60	3.90
Iowa	3.43	8.73	3.23	3.39	3.46	NA	NA	3.45
Kansas	3.73	9.36	3.13	3.80	3.65	6.05	3.92	4.23
Kentucky	4.35	8.97	3.76	4.69	4.08	NA	4.85	4.82
Louisiana	NA	9.09	3.03	NA	3.91	NA	NA	NA
Maine	4.36	7.24	3.68	4.79	4.02	NA	NA	NA
Maryland	NA	8.69	3.71	NA	NA	NA	NA	5.65
Massachusetts	4.00	8.63	3.69	4.24	3.80	NA	NA	6.00
Michigan	4.50	3.95	3.06	4.45	4.54	4.09	3.55	3.80
Minnesota	3.53	8.35	3.08	3.65	3.42	5.84	4.02	4.52
Mississippi	3.96	8.48	3.20	3.76	4.14	NA	4.11	NA
Missouri	3.80	8.07	3.21	3.97	3.65	6.31	3.61	4.67
Montana	2.88	6.39	2.86	2.64	3.09	3.93	2.39	3.12
Nebraska	3.68	8.85	3.23	3.58	3.77	6.38	3.66	3.83
Nevada	1.81	6.22	3.48	3.83	1.32	NA	4.18	5.02
New Hampshire	4.61	5.56	3.96	3.14	7.84	NA	NA	NA
New Jersey	NA	8.22	3.80	NA	10.08	NA	NA	NA
New Mexico	2.49	5.66	2.44	2.23	2.71	NA	2.41	NA
New York	3.85	7.84	3.48	3.47	4.19	NA	3.81	NA
North Carolina	3.90	9.75	3.77	3.72	4.06	6.98	4.11	4.70
North Dakota	3.42	7.91	3.40	3.26	3.54	NA	2.51	4.34
Ohio	3.93	8.83	4.93	4.28	3.63	NA	4.89	5.38
Oklahoma	NA	7.95	3.69	4.07	NA	6.83	5.38	5.96
Oregon	4.90	4.97	3.05	5.10	4.75	4.92	5.39	5.41
Pennsylvania	4.78	7.71	3.53	5.20	4.44	6.71	5.20	5.03
Rhode Island	NA	7.55	3.38	4.07	NA	7.42	4.14	5.28
South Carolina	4.63	9.40	3.71	4.30	4.96	6.48	4.95	5.01
South Dakota	4.07	8.78	3.59	4.04	4.10	NA	NA	3.94
Tennessee	4.17	8.46	3.41	3.99	4.35	5.98	4.28	4.79
Texas	3.45	8.29	2.95	3.25	3.61	5.53	3.22	3.69
Utah	4.44	6.07	3.44	4.54	4.34	5.62	5.01	4.69
Vermont	5.17	5.45	3.50	5.01	5.32	4.83	5.15	3.93
Virginia	NA	7.92	3.74	3.99	NA	NA	5.03	NA
Washington	NA	8.21	2.78	NA	^R 3.03	NA	3.88	^R 4.09
West Virginia	NA	4.25	3.48	3.82	NA	NA	NA	4.44
Wisconsin	3.72	8.27	3.05	3.74	3.71	5.90	3.50	4.33
Wyoming	3.98	7.56	4.36	3.98	3.97	6.32	4.44	4.91
Total	3.97	8.10	3.37	3.86	^R4.07	^R5.82	4.08	^R4.17

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 2000-2002
(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	October	September	August	July	June	May	April	March
Alabama	5.16	5.45	6.02	5.62	6.47	6.98	6.33	6.90
Alaska	2.29	2.25	2.22	1.91	2.68	2.23	2.20	2.55
Arizona	3.47	3.93	4.05	3.68	4.24	4.92	5.22	5.31
Arkansas	NA	3.93	4.41	NA	NA	NA	NA	NA
California	2.38	2.71	2.80	2.92	8.08	7.32	7.52	8.36
Colorado	2.28	2.73	3.04	3.14	3.21	3.94	5.21	4.73
Connecticut	4.23	5.84	8.54	7.96	^R 6.98	8.87	9.97	8.65
Delaware	3.19	3.31	3.77	4.80	4.63	5.15	5.96	6.10
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.69	2.98	3.45	3.98	4.56	5.75	6.50	6.30
Georgia	3.55	3.81	3.92	4.35	6.43	5.77	6.14	6.65
Hawaii	7.42	7.92	7.90	7.92	7.76	7.91	7.57	7.42
Idaho	3.48	3.50	3.12	3.60	4.20	6.00	5.24	4.10
Illinois	2.46	2.60	3.99	3.80	4.56	5.03	6.09	5.19
Indiana	NA	NA	3.01	3.08	NA	NA	3.36	NA
Iowa	2.84	3.80	4.26	5.42	5.40	6.52	6.47	6.06
Kansas	3.01	3.12	4.12	4.17	4.84	6.45	6.59	5.92
Kentucky	4.26	2.36	4.51	NA	6.45	7.18	5.53	5.89
Louisiana	3.16	3.47	4.23	NA	4.60	5.03	6.06	6.11
Maine	1.48	3.01	6.56	6.61	NA	11.90	5.84	6.53
Maryland	5.13	NA	6.26	6.85	7.62	8.14	5.23	6.51
Massachusetts	3.75	6.15	6.69	7.38	6.73	5.78	6.40	6.00
Michigan	3.68	3.86	4.30	4.36	4.46	4.61	4.90	3.60
Minnesota	2.57	3.66	4.08	4.32	4.84	5.51	6.00	5.51
Mississippi	3.35	NA	5.95	4.32	4.68	5.43	6.33	NA
Missouri	3.57	5.33	6.02	6.38	6.47	7.66	7.35	5.60
Montana	1.96	2.23	2.58	2.85	2.64	3.85	4.09	5.03
Nebraska	2.85	4.13	4.18	4.31	4.96	6.28	7.20	6.52
Nevada	3.57	4.67	5.22	3.63	3.95	NA	6.54	5.53
New Hampshire	NA	NA	6.56	5.67	3.59	4.75	4.77	4.88
New Jersey	NA	9.29	7.47	8.33	8.06	9.65	8.41	6.15
New Mexico	2.36	2.07	2.62	2.48	2.80	3.71	4.55	4.75
New York	2.87	2.90	3.64	3.38	3.97	5.22	NA	5.37
North Carolina	4.42	5.02	5.55	5.96	6.07	7.25	7.20	7.05
North Dakota	2.10	2.86	3.10	NA	2.93	4.76	5.64	6.00
Ohio	5.70	5.13	7.63	NA	8.49	6.29	11.56	9.95
Oklahoma	4.00	5.69	5.01	4.92	5.85	6.61	5.95	6.89
Oregon	4.60	5.42	5.07	5.03	4.85	4.70	4.25	4.45
Pennsylvania	5.91	6.32	6.11	6.58	6.75	7.23	7.15	6.96
Rhode Island	6.09	7.90	8.15	7.28	9.96	9.90	8.79	9.60
South Carolina	4.08	4.70	5.01	5.39	5.83	6.94	6.87	6.34
South Dakota	3.25	4.61	4.51	5.98	5.93	7.30	7.50	6.58
Tennessee	3.79	3.51	4.04	4.10	4.91	5.55	5.99	6.30
Texas	2.88	3.16	4.14	4.45	4.78	5.61	5.71	5.81
Utah	4.76	6.65	5.82	5.94	5.48	5.53	5.51	6.35
Vermont	5.06	4.06	4.35	4.14	4.09	4.38	4.70	4.93
Virginia	NA	5.49	7.43	6.71	7.52	8.13	4.72	6.61
Washington	^R 3.00	3.56	^R 3.50	NA	4.07	5.41	5.14	5.13
West Virginia	3.95	2.99	4.21	4.53	NA	NA	5.98	NA
Wisconsin	2.85	3.68	5.04	5.17	4.91	5.18	6.41	6.13
Wyoming	4.63	5.35	6.82	5.26	3.85	6.38	6.91	8.98
Total	^R 3.47	3.64	^R 4.27	4.28	5.36	5.89	6.35	6.17

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001		2000					
	February	January	Total	December	November	October	September	August
Alabama	8.60	7.12	4.50	6.00	5.62	6.00	5.12	5.22
Alaska	2.53	2.44	1.60	1.61	1.62	1.62	1.60	1.58
Arizona	6.25	7.91	4.82	7.07	5.51	5.36	4.95	4.81
Arkansas	NA	NA	4.16	5.64	4.29	5.80	4.95	4.63
California	9.42	12.64	4.32	7.30	5.09	5.17	4.98	4.11
Colorado	5.01	7.10	3.53	5.13	4.04	4.24	3.32	3.56
Connecticut	10.03	11.06	6.73	8.32	7.06	7.30	9.69	7.12
Delaware	7.33	8.30	3.41	4.19	5.44	4.49	2.74	2.53
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.18	10.21	5.10	7.92	6.37	6.65	5.45	4.87
Georgia	8.05	8.90	4.64	7.09	5.74	5.31	5.09	5.17
Hawaii	8.78	9.17	8.41	9.81	9.43	9.09	9.04	8.69
Idaho	4.69	6.94	4.02	6.70	4.67	5.27	3.85	3.60
Illinois	6.89	10.53	5.01	7.83	5.33	6.39	6.05	5.12
Indiana	5.77	7.87	4.03	6.20	4.54	5.40	5.23	3.48
Iowa	8.01	9.35	5.06	7.38	5.74	6.41	5.84	5.45
Kansas	8.32	10.13	4.52	6.21	5.21	6.46	5.87	4.91
Kentucky	8.65	9.15	4.93	6.75	5.79	6.14	5.18	5.17
Louisiana	6.96	10.43	4.61	7.26	5.39	5.80	5.23	4.31
Maine	7.57	6.97	5.30	5.98	4.41	8.23	7.91	8.06
Maryland	6.85	10.03	5.36	7.32	5.87	7.62	6.25	6.70
Massachusetts	7.64	9.42	5.43	7.00	5.69	6.66	7.37	7.37
Michigan	3.52	4.40	3.23	3.67	3.44	3.47	3.32	3.33
Minnesota	7.28	9.37	4.73	7.35	5.66	5.95	5.67	4.92
Mississippi	6.44	9.68	4.66	7.47	5.50	5.73	5.05	4.61
Missouri	7.07	8.73	4.96	6.09	5.49	7.03	7.18	6.89
Montana	5.31	7.34	3.55	5.11	4.27	3.93	3.39	2.86
Nebraska	8.10	9.46	4.52	6.03	5.11	5.89	5.23	4.59
Nevada	5.64	6.71	4.79	6.35	6.28	5.26	4.39	4.09
New Hampshire	5.21	6.06	5.34	7.38	7.20	6.24	6.66	6.42
New Jersey	7.48	8.82	5.34	6.66	5.74	7.94	9.17	6.79
New Mexico	5.81	5.56	3.79	6.04	4.98	4.91	3.66	3.16
New York	6.47	8.99	4.67	7.13	5.26	6.37	5.32	4.58
North Carolina	9.60	9.87	5.09	6.78	5.77	6.38	6.08	5.21
North Dakota	6.48	9.50	4.60	6.20	5.41	5.81	4.66	4.55
Ohio	10.34	7.87	6.10	7.17	5.64	7.58	6.74	7.86
Oklahoma	9.58	6.59	3.91	5.58	5.60	4.94	3.57	4.48
Oregon	4.67	5.26	3.87	4.86	4.87	4.66	3.70	4.17
Pennsylvania	6.91	8.36	5.09	6.32	5.62	6.40	6.64	5.43
Rhode Island	6.69	8.27	4.36	6.70	4.47	7.15	5.65	5.60
South Carolina	7.88	10.46	5.09	6.81	5.87	6.56	6.15	5.47
South Dakota	7.68	9.94	4.81	6.29	4.55	5.57	5.06	5.66
Tennessee	7.73	9.28	4.72	7.14	5.64	6.05	5.09	4.12
Texas	7.01	9.10	4.39	6.85	5.26	5.49	5.02	4.31
Utah	6.41	5.83	3.68	4.26	4.17	3.88	3.43	3.74
Vermont	5.23	5.65	4.26	5.21	5.34	5.11	4.39	4.49
Virginia	7.65	8.11	5.34	7.53	6.39	5.82	7.29	6.87
Washington	6.48	9.87	4.16	8.10	4.71	4.35	3.67	3.76
West Virginia	4.26	4.25	3.75	3.76	4.01	5.48	2.86	7.10
Wisconsin	6.61	9.93	4.42	5.85	5.12	5.79	5.63	5.04
Wyoming	7.01	8.07	5.07	7.97	5.59	5.50	4.51	4.34
Total	7.19	8.84	4.62	6.64	5.20	5.66	5.21	4.63

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the

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

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

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001		
				February	January	Total	December	November
Alabama	9.80	10.89	7.27	10.06	9.58	12.09	11.89	11.96
Alaska	4.33	4.14	3.35	4.27	4.39	4.23	4.10	4.05
Arizona	11.55	9.16	8.30	11.41	11.67	10.88	12.14	13.84
Arkansas	NA	10.45	6.18	8.42	NA	NA	NA	NA
California	6.91	12.82	6.66	6.67	7.11	10.29	6.00	5.80
Colorado	5.00	7.89	5.10	4.73	5.25	8.44	5.33	6.15
Connecticut	NA	13.27	10.63	NA	11.67	NA	NA	NA
Delaware	10.63	9.76	7.57	10.75	10.53	11.03	11.36	11.72
District of Columbia	10.53	13.72	9.34	10.23	10.78	13.10	11.51	11.36
Florida	11.99	13.94	10.39	11.75	12.16	15.89	13.87	14.79
Georgia	6.50	10.89	6.40	7.69	6.03	9.92	7.23	9.50
Hawaii	23.37	23.02	20.15	23.30	23.44	22.55	23.88	24.02
Idaho	8.55	7.56	5.49	8.79	8.32	8.50	8.98	9.17
Illinois	5.36	11.62	5.19	5.73	5.07	NA	NA	5.45
Indiana	6.76	9.28	5.29	6.58	6.90	NA	6.43	7.66
Iowa	5.65	10.50	5.44	5.71	5.60	8.88	4.24	6.91
Kansas	7.36	10.50	6.05	7.15	7.54	10.07	7.84	9.11
Kentucky	7.43	9.89	5.71	7.51	7.35	9.65	7.36	7.72
Louisiana	NA	11.51	5.71	NA	6.75	NA	NA	NA
Maine	11.08	11.51	7.96	11.42	10.75	NA	9.80	NA
Maryland	NA	12.33	7.73	NA	NA	NA	NA	9.78
Massachusetts	9.67	11.99	8.85	9.46	9.88	13.15	12.08	12.05
Michigan	5.91	4.90	4.72	6.07	5.78	5.59	5.74	5.77
Minnesota	5.88	11.03	5.53	5.75	5.98	8.80	5.82	6.92
Mississippi	6.81	10.61	5.83	7.04	6.66	10.05	8.17	7.89
Missouri	7.21	9.83	6.17	7.25	7.18	10.51	7.61	10.39
Montana	5.58	6.80	5.33	5.35	5.77	7.00	6.10	6.35
Nebraska	5.34	9.48	4.91	5.26	5.40	8.47	6.01	6.36
Nevada	8.62	7.70	6.15	9.07	8.24	8.96	8.15	11.09
New Hampshire	9.32	11.88	9.14	9.46	9.17	12.64	12.93	13.94
New Jersey	7.14	6.94	7.27	6.91	7.35	7.69	8.14	8.45
New Mexico	7.36	8.77	5.55	8.13	6.45	8.25	4.26	4.81
New York	9.27	12.14	8.23	8.83	9.69	12.04	11.23	11.60
North Carolina	8.45	12.21	7.93	8.59	8.33	12.31	10.60	10.30
North Dakota	4.77	9.44	4.81	4.71	4.82	7.62	4.87	5.10
Ohio	7.09	10.05	6.24	7.00	7.17	9.95	7.33	7.49
Oklahoma	NA	8.10	5.87	7.37	NA	8.91	7.69	9.27
Oregon	10.52	8.86	7.42	10.55	10.49	9.68	10.56	10.82
Pennsylvania	8.55	10.45	7.30	8.67	8.45	11.47	9.47	10.38
Rhode Island	NA	11.44	8.64	11.26	NA	12.17	12.25	13.35
South Carolina	9.65	13.10	8.15	9.93	9.43	12.35	10.66	9.84
South Dakota	6.02	10.80	5.59	6.03	6.00	NA	NA	6.57
Tennessee	7.29	11.65	5.90	7.62	7.04	10.33	7.83	9.14
Texas	6.01	10.31	5.39	6.69	5.55	9.19	6.09	7.96
Utah	6.18	8.34	6.15	6.17	6.18	8.08	7.03	7.48
Vermont	9.97	9.20	7.37	9.97	9.97	10.07	10.44	11.07
Virginia	8.45	12.40	10.10	7.97	8.86	12.35	9.94	10.50
Washington	NA	8.95	6.38	NA	^R 9.10	9.77	9.59	9.72
West Virginia	NA	7.01	6.99	7.99	NA	7.59	8.07	7.62
Wisconsin	6.79	10.66	6.05	6.59	6.97	8.76	6.54	7.45
Wyoming	5.45	8.19	5.03	5.64	5.35	8.45	5.33	7.24
Total	7.25	10.18	6.45	7.28	^R7.22	9.63	7.30	7.97

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	October	September	August	July	June	May	April	March
Alabama	12.91	16.00	16.04	16.16	15.87	14.65	12.08	12.53
Alaska	4.27	4.51	4.74	4.91	4.63	4.36	4.16	4.19
Arizona	14.57	14.98	15.18	14.63	13.55	11.69	10.47	9.47
Arkansas	8.57	11.38	NA	11.43	13.45	2.02	12.62	9.94
California	5.97	7.23	8.15	8.63	11.25	11.58	11.89	13.73
Colorado	10.16	13.04	13.57	12.64	11.39	10.05	9.52	9.03
Connecticut	11.31	14.52	13.93	14.95	^R 13.97	12.28	13.10	12.21
Delaware	13.07	14.91	15.77	14.33	13.67	12.36	11.14	10.78
District of Columbia	12.52	13.69	11.24	11.58	11.55	14.96	13.62	13.11
Florida	16.05	17.30	17.46	17.51	17.57	18.95	18.02	19.04
Georgia	7.48	10.32	10.99	14.94	11.03	10.81	10.12	9.44
Hawaii	21.82	22.29	22.52	22.14	21.99	22.11	21.71	22.10
Idaho	9.62	10.05	10.29	9.85	9.39	8.93	8.76	8.53
Illinois	5.25	7.63	9.39	9.41	10.33	10.35	9.28	9.62
Indiana	8.32	NA	NA	NA	NA	NA	11.83	10.37
Iowa	6.17	10.35	11.55	10.85	11.16	10.43	9.34	8.48
Kansas	10.69	13.50	12.31	12.28	12.50	11.74	9.76	9.19
Kentucky	9.73	11.46	13.10	13.17	15.23	13.35	10.87	9.95
Louisiana	NA	NA	NA	NA	9.36	9.42	8.69	9.36
Maine	12.73	13.62	16.90	17.96	17.07	10.45	15.54	11.39
Maryland	8.95	NA	14.68	7.31	14.63	14.37	12.68	10.82
Massachusetts	13.06	15.30	16.03	14.99	14.09	14.29	14.39	14.17
Michigan	6.14	7.58	8.83	8.59	7.69	7.17	5.40	4.93
Minnesota	5.52	7.31	8.72	8.82	8.76	9.30	8.67	8.73
Mississippi	7.93	12.29	12.08	11.37	11.54	10.80	10.60	9.21
Missouri	12.68	14.93	15.88	15.24	14.17	12.87	11.19	10.76
Montana	6.74	8.55	8.83	8.81	8.10	7.67	7.40	7.40
Nebraska	6.83	8.92	9.66	9.17	8.97	9.20	8.08	8.25
Nevada	11.40	14.92	11.20	11.28	10.02	9.36	8.95	8.47
New Hampshire	12.79	14.65	15.93	16.39	14.83	10.90	11.76	13.02
New Jersey	9.29	9.22	9.25	8.60	8.40	8.13	7.76	7.35
New Mexico	5.63	8.18	9.94	8.96	10.88	12.47	13.43	13.44
New York	11.25	13.93	14.82	14.83	14.28	13.43	11.32	10.99
North Carolina	11.94	15.50	17.13	16.67	14.85	14.09	12.58	12.56
North Dakota	4.87	7.21	7.03	9.18	9.91	9.24	8.25	8.32
Ohio	9.30	10.59	10.18	13.49	12.36	11.90	10.89	10.87
Oklahoma	10.77	12.33	12.32	12.62	12.23	9.78	9.82	8.70
Oregon	11.18	11.17	11.21	10.79	10.18	9.49	9.25	9.09
Pennsylvania	12.06	15.70	16.83	16.40	15.22	14.10	12.44	11.76
Rhode Island	13.68	13.54	14.94	14.68	13.70	12.49	11.98	11.60
South Carolina	11.86	13.64	13.95	13.81	13.40	12.35	11.40	12.38
South Dakota	5.84	8.73	9.15	NA	8.97	9.26	9.28	8.30
Tennessee	9.47	10.87	12.03	11.80	12.11	11.16	9.89	8.51
Texas	7.90	10.16	6.90	10.79	12.04	10.70	9.49	8.85
Utah	6.82	9.55	9.34	9.36	8.82	9.59	7.97	8.82
Vermont	12.52	14.38	14.14	12.58	11.56	10.39	9.46	9.26
Virginia	13.40	16.58	17.30	17.33	16.41	15.51	12.15	11.27
Washington	10.22	10.92	11.48	11.14	10.72	10.33	10.09	10.09
West Virginia	8.03	9.36	9.95	12.92	12.14	8.36	7.32	7.11
Wisconsin	5.01	6.44	9.17	7.72	8.60	9.61	9.58	8.73
Wyoming	8.66	10.66	11.12	12.25	10.03	11.79	6.15	13.00
Total	8.18	10.16	10.77	11.01	11.51	10.99	10.18	9.91

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001		2000					
	February	January	Total	December	November	October	September	August
Alabama	12.05	10.12	9.22	9.74	11.85	12.02	13.33	13.39
Alaska	4.17	4.11	3.57	3.90	3.41	3.52	3.74	3.88
Arizona	9.21	9.10	9.43	8.88	9.93	12.88	13.40	13.80
Arkansas	11.63	9.67	7.43	7.87	7.65	10.37	9.65	10.77
California	13.72	12.07	8.21	10.48	9.54	9.89	8.84	8.75
Colorado	8.60	7.15	6.14	6.71	7.25	7.53	9.36	9.22
Connecticut	13.51	13.09	11.43	11.96	12.13	12.80	13.48	12.96
Delaware	10.31	9.27	8.33	8.52	9.65	12.24	13.83	9.53
District of Columbia	13.64	13.79	10.81	13.31	13.85	14.65	15.19	10.80
Florida	15.60	12.63	12.93	13.43	15.48	15.76	16.14	15.96
Georgia	11.55	10.46	8.38	10.22	11.14	10.38	12.95	10.56
Hawaii	22.81	23.21	21.87	23.59	22.88	23.24	22.96	22.67
Idaho	7.96	7.15	6.28	7.04	7.28	7.58	7.84	8.18
Illinois	11.33	11.86	7.33	8.74	8.70	10.12	10.53	10.81
Indiana	9.54	9.08	6.42	6.94	6.59	8.31	8.57	9.97
Iowa	9.76	11.16	7.81	9.49	8.03	9.91	12.73	13.25
Kansas	10.00	10.84	7.64	8.84	9.07	10.57	10.90	12.20
Kentucky	10.89	9.18	7.41	8.48	8.77	9.34	10.41	10.56
Louisiana	11.02	11.83	8.34	10.80	10.36	12.48	11.03	10.98
Maine	11.75	11.29	9.71	10.85	10.46	11.19	12.46	12.87
Maryland	12.85	11.94	9.78	10.06	10.49	13.23	15.75	15.09
Massachusetts	12.84	11.24	9.91	11.46	11.08	10.83	12.18	12.44
Michigan	4.92	4.87	5.11	4.76	5.11	5.70	6.78	7.29
Minnesota	9.39	12.62	7.13	8.86	7.84	9.12	9.41	9.09
Mississippi	8.74	11.78	7.48	8.35	8.90	10.30	10.66	10.44
Missouri	10.93	9.01	7.85	9.17	9.31	10.73	12.72	12.38
Montana	6.99	6.60	6.04	6.33	6.20	6.36	7.21	9.06
Nebraska	10.31	8.72	6.45	7.54	7.88	9.07	9.83	10.24
Nevada	8.31	7.11	6.63	6.29	6.33	7.47	7.98	8.41
New Hampshire	12.07	11.71	10.07	12.13	12.68	10.99	12.55	12.90
New Jersey	6.96	6.93	7.28	6.98	6.74	6.24	6.54	6.37
New Mexico	9.34	8.25	6.10	6.80	5.78	5.54	6.61	7.96
New York	12.04	12.24	9.86	9.02	10.16	12.15	15.05	14.68
North Carolina	13.28	11.52	9.53	9.97	10.90	12.63	15.24	15.29
North Dakota	9.17	9.74	6.37	7.85	7.70	8.00	8.80	10.32
Ohio	11.02	9.31	7.70	9.41	9.40	9.38	10.57	10.88
Oklahoma	9.09	7.23	7.36	7.77	8.89	10.27	11.33	11.59
Oregon	8.94	8.78	8.12	8.90	9.16	9.40	9.41	10.01
Pennsylvania	10.92	10.09	8.49	9.21	9.19	10.08	10.64	11.88
Rhode Island	11.55	11.34	9.83	10.98	13.26	11.90	12.04	12.05
South Carolina	13.41	12.92	9.15	10.09	10.96	10.34	11.46	11.79
South Dakota	10.40	11.20	7.34	8.62	7.72	9.11	11.03	11.19
Tennessee	14.43	10.15	7.48	8.35	9.54	9.36	10.33	10.88
Texas	9.08	11.21	7.41	8.05	8.57	10.70	11.41	11.31
Utah	8.44	8.26	6.20	6.29	6.12	6.00	5.75	6.76
Vermont	9.23	9.18	8.13	9.34	8.88	8.49	9.93	10.09
Virginia	12.73	12.15	9.98	10.04	9.87	11.96	14.08	14.04
Washington	9.70	8.22	7.16	7.98	8.20	8.72	9.31	8.93
West Virginia	7.05	6.97	7.46	7.13	7.61	8.21	10.11	10.81
Wisconsin	9.05	12.21	7.55	9.40	8.48	8.69	8.51	8.77
Wyoming	8.91	7.54	6.11	7.85	6.71	6.73	6.74	7.69
Total	10.33	10.06	7.76	8.56	8.58	9.44	10.10	10.37

^R Revised Data.

NA Not Available.

Notes: Data through 2000 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, 2000-2002

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001		
				February	January	Total	December	November
Alabama	8.76	10.13	6.56	8.99	8.54	10.37	9.75	9.57
Alaska	3.37	2.74	2.13	3.32	3.42	2.63	2.95	2.83
Arizona	9.14	7.92	6.79	8.92	9.34	8.15	9.14	8.73
Arkansas	NA	NA	4.27	6.90	NA	NA	NA	NA
California	6.21	12.82	6.46	5.84	6.53	9.00	5.16	5.00
Colorado	4.49	7.32	4.79	4.18	4.76	7.46	4.64	4.97
Connecticut	NA	9.93	7.35	NA	8.96	NA	NA	NA
Delaware	9.42	9.33	6.10	9.34	9.49	9.56	9.58	9.66
District of Columbia	10.24	14.03	8.98	10.07	10.39	12.40	10.88	10.68
Florida	7.71	11.53	6.83	7.63	7.77	10.61	7.68	7.68
Georgia	5.19	11.10	6.95	5.13	5.25	8.72	6.23	5.94
Hawaii	17.31	18.53	16.07	17.03	17.58	17.61	18.00	18.27
Idaho	7.91	NA	4.80	8.18	7.64	NA	8.33	8.55
Illinois	5.36	11.06	4.98	5.76	5.14	NA	NA	5.50
Indiana	6.16	NA	4.96	5.87	6.41	NA	5.83	7.23
Iowa	4.70	8.93	4.77	4.69	4.72	NA	NA	5.20
Kansas	6.81	10.27	5.62	6.55	7.05	9.15	7.24	7.27
Kentucky	7.31	9.31	5.39	7.12	7.50	NA	7.17	7.43
Louisiana	6.35	11.37	5.24	6.15	^R 6.58	NA	NA	NA
Maine	10.42	10.89	6.83	10.81	10.08	NA	13.45	NA
Maryland	NA	11.55	6.85	NA	NA	NA	NA	8.38
Massachusetts	8.97	11.35	8.13	8.78	9.15	NA	NA	9.90
Michigan	5.75	4.82	4.59	5.88	5.63	5.30	5.58	5.53
Minnesota	4.75	10.47	4.78	4.70	4.79	7.32	3.76	5.71
Mississippi	5.73	10.35	5.22	5.63	5.83	NA	5.61	NA
Missouri	6.89	9.72	5.88	6.84	6.94	9.68	6.26	9.16
Montana	5.65	5.76	5.25	5.44	5.82	6.64	6.25	6.34
Nebraska	4.78	9.13	4.37	4.65	4.89	7.19	5.07	4.74
Nevada	7.32	6.93	5.40	7.81	6.94	^R 7.97	8.10	9.79
New Hampshire	8.32	11.48	7.92	8.15	8.48	NA	NA	NA
New Jersey	5.57	9.69	5.86	5.72	5.44	^R 7.73	6.06	5.54
New Mexico	4.52	7.39	4.25	4.12	4.94	6.28	3.80	3.80
New York	8.41	10.35	10.71	8.35	8.46	8.26	8.76	7.58
North Carolina	6.99	10.96	6.74	6.94	7.03	10.03	8.10	7.94
North Dakota	4.90	9.35	4.42	3.78	5.77	6.90	4.35	4.67
Ohio	6.78	9.66	5.90	6.65	6.91	9.32	6.90	6.59
Oklahoma	NA	9.43	5.57	7.50	NA	^R 8.82	7.31	^R 7.77
Oregon	9.16	7.55	7.97	9.18	9.15	5.13	9.14	4.18
Pennsylvania	8.06	10.62	6.93	8.16	7.97	10.68	8.50	9.73
Rhode Island	NA	10.38	7.38	10.10	NA	10.70	10.68	11.27
South Carolina	7.86	12.22	7.13	7.73	7.98	10.05	8.12	8.04
South Dakota	4.79	10.00	4.51	4.71	4.85	NA	NA	5.09
Tennessee	7.01	10.90	5.35	7.20	6.85	NA	7.31	NA
Texas	5.00	10.20	4.67	5.31	^R 4.79	7.52	5.23	6.88
Utah	5.26	7.21	4.78	5.25	5.26	6.79	6.08	6.51
Vermont	8.26	7.71	6.19	8.30	8.23	7.95	8.35	8.61
Virginia	6.64	10.92	6.23	6.80	6.49	9.63	7.86	8.42
Washington	NA	8.01	5.62	NA	^R 8.27	NA	8.56	NA
West Virginia	7.38	4.63	6.30	7.55	7.22	6.00	7.70	6.55
Wisconsin	5.77	9.77	5.06	5.52	5.99	7.60	5.44	6.17
Wyoming	5.06	7.48	4.53	5.30	4.93	8.31	4.92	6.68
Total	6.54	9.51	5.87	6.56	^R6.52	8.09	6.41	6.52

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	October	September	August	July	June	May	April	March
Alabama	9.02	11.03	11.25	11.31	11.40	11.22	10.68	10.90
Alaska	2.83	2.46	2.15	2.29	2.16	2.36	2.45	2.69
Arizona	8.25	8.23	8.29	8.23	8.02	8.11	7.53	7.57
Arkansas	5.97	6.42	6.73	NA	NA	NA	NA	NA
California	4.50	5.36	6.45	7.06	9.31	10.40	11.17	13.70
Colorado	7.80	9.32	9.32	9.13	9.04	9.00	8.75	8.21
Connecticut	7.32	NA	7.00	6.87	^R 5.36	6.09	7.78	8.41
Delaware	10.23	10.68	11.25	10.98	10.64	10.81	10.10	7.96
District of Columbia	10.08	10.10	10.47	10.97	11.12	12.32	12.82	12.55
Florida	8.07	8.84	9.02	9.32	9.71	12.19	12.78	14.06
Georgia	5.90	5.87	6.44	7.28	7.13	7.74	8.60	9.77
Hawaii	17.48	17.30	17.54	17.24	17.17	17.22	16.78	17.31
Idaho	9.88	8.49	8.48	8.29	8.25	8.21	8.17	7.81
Illinois	4.84	6.36	7.61	7.48	9.12	8.86	8.61	9.10
Indiana	7.36	NA	NA	NA	NA	NA	10.67	NA
Iowa	4.19	6.21	6.80	NA	7.59	8.47	7.68	7.57
Kansas	7.50	7.85	8.33	8.39	9.61	10.13	8.66	8.83
Kentucky	8.99	9.32	9.04	10.21	NA	11.23	9.58	9.70
Louisiana	NA	NA	NA	NA	6.57	7.32	7.58	NA
Maine	5.53	9.16	12.19	13.39	12.71	7.90	13.48	10.67
Maryland	6.88	NA	9.16	9.26	10.53	10.97	10.94	9.92
Massachusetts	11.21	10.97	11.03	11.52	11.64	12.59	12.54	13.99
Michigan	5.81	6.36	6.94	7.23	6.79	6.60	5.08	4.85
Minnesota	3.84	4.56	5.32	5.62	6.06	7.43	7.74	7.77
Mississippi	4.69	NA	5.70	5.78	6.98	8.19	8.80	7.92
Missouri	10.09	10.67	10.94	10.90	10.85	10.20	10.46	10.77
Montana	6.58	7.84	7.89	8.04	7.72	7.87	7.52	9.50
Nebraska	4.03	4.74	5.26	5.22	6.13	6.92	7.22	7.79
Nevada	8.46	9.01	8.77	8.09	7.91	7.81	7.79	7.62
New Hampshire	9.86	11.66	12.43	12.87	12.03	9.76	11.34	12.22
New Jersey	^R 6.27	^R 6.46	^R 6.72	^R 6.06	^R 6.42	7.05	7.05	7.18
New Mexico	3.91	3.86	5.18	5.55	4.54	7.70	9.45	8.87
New York	7.97	7.94	8.20	8.66	3.96	5.22	8.45	9.04
North Carolina	8.53	8.70	9.35	9.70	9.88	9.88	10.30	11.48
North Dakota	3.85	5.11	5.45	6.36	7.51	7.49	7.38	7.27
Ohio	7.80	8.32	8.42	11.71	11.04	11.26	10.58	10.44
Oklahoma	7.88	8.77	8.09	9.75	9.72	8.32	8.40	8.94
Oregon	2.69	2.37	2.36	2.34	2.62	7.51	7.70	7.69
Pennsylvania	9.73	11.55	11.83	12.05	11.44	12.25	12.07	11.08
Rhode Island	11.42	11.26	11.77	12.25	11.78	10.82	10.44	10.36
South Carolina	8.17	8.67	8.72	8.72	9.04	9.65	10.11	10.64
South Dakota	4.02	5.34	5.39	NA	6.90	7.20	7.66	7.20
Tennessee	7.85	8.05	9.02	8.43	9.22	9.04	8.80	8.88
Texas	4.95	4.37	4.34	6.62	7.30	9.56	7.40	8.36
Utah	5.79	6.93	7.13	7.05	6.90	6.87	6.54	7.28
Vermont	8.65	8.85	8.69	7.04	7.99	7.73	7.76	7.69
Virginia	8.09	8.77	9.25	10.05	9.95	9.47	9.37	9.34
Washington	NA	2.54	2.64	2.63	NA	9.04	9.04	9.05
West Virginia	6.55	6.64	6.75	7.14	6.71	6.58	6.38	6.61
Wisconsin	3.62	4.57	6.40	5.56	6.34	8.21	8.31	7.87
Wyoming	8.11	8.85	8.98	9.55	8.67	11.04	11.72	10.00
Total	5.89	^R 6.29	6.59	7.01	6.91	8.50	8.85	9.00

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001		2000					
	February	January	Total	December	November	October	September	August
Alabama	11.06	9.46	7.68	8.89	9.40	8.85	8.63	8.53
Alaska	2.75	2.73	2.04	2.30	2.10	1.96	1.91	1.85
Arizona	8.40	7.47	6.69	6.99	7.88	6.83	6.72	6.55
Arkansas	NA	NA	5.41	6.67	5.67	8.56	5.86	5.66
California	13.76	11.91	7.51	10.41	8.76	8.52	7.96	7.29
Colorado	7.94	6.78	5.37	6.23	6.37	5.93	6.13	6.08
Connecticut	9.78	10.05	6.62	8.38	7.14	5.96	4.51	3.97
Delaware	11.18	7.78	6.98	8.16	7.42	7.92	18.75	7.56
District of Columbia	13.98	14.07	9.62	12.71	12.72	11.58	10.93	9.01
Florida	12.98	10.19	7.70	9.19	8.47	8.11	8.28	8.25
Georgia	11.36	10.90	7.02	9.67	9.67	9.64	8.59	8.59
Hawaii	18.15	18.91	17.29	18.30	18.11	18.15	17.96	17.48
Idaho	NA	6.55	5.47	6.33	6.60	6.58	6.36	6.24
Illinois	10.85	11.23	6.90	8.63	8.42	9.50	9.06	9.29
Indiana	NA	NA	5.74	6.53	5.89	6.80	6.13	7.00
Iowa	8.69	9.11	6.69	8.93	7.26	7.76	8.80	8.36
Kansas	9.88	10.56	6.80	8.49	8.57	8.69	7.50	8.17
Kentucky	10.26	8.68	6.68	8.26	7.83	8.43	7.82	8.36
Louisiana	10.41	12.12	7.41	10.95	10.54	10.11	8.01	7.84
Maine	10.89	—	6.06	1.76	3.10	5.00	9.58	9.95
Maryland	12.29	10.99	8.08	8.59	8.82	10.92	10.64	10.07
Massachusetts	12.33	10.51	8.61	10.53	9.63	9.03	6.70	8.83
Michigan	4.80	4.83	4.79	4.68	4.84	5.23	5.54	5.81
Minnesota	9.43	11.44	5.99	8.13	6.83	7.27	6.64	5.88
Mississippi	8.32	11.65	6.48	8.05	7.09	7.74	6.88	6.53
Missouri	10.62	9.05	6.91	9.00	8.41	8.35	8.29	8.23
Montana	5.01	6.82	5.90	6.27	6.22	6.25	6.74	7.82
Nebraska	9.86	8.41	5.48	7.41	6.59	7.44	6.16	5.70
Nevada	7.65	6.22	5.54	5.50	5.50	5.72	5.82	5.87
New Hampshire	11.73	11.18	8.52	10.78	10.37	8.75	9.08	8.87
New Jersey	9.70	9.68	5.92	9.43	7.39	7.35	7.70	1.94
New Mexico	7.85	6.93	4.90	6.26	5.30	4.27	4.69	5.64
New York	11.07	9.63	7.76	12.11	8.73	6.59	5.72	4.94
North Carolina	11.71	10.43	7.61	8.75	9.39	8.83	7.93	8.84
North Dakota	8.59	10.12	5.80	7.67	6.99	7.31	6.77	7.49
Ohio	10.74	8.86	7.01	8.79	8.70	8.36	8.63	8.94
Oklahoma	9.77	9.19	6.37	7.61	7.67	7.75	7.23	7.19
Oregon	7.59	7.52	6.48	6.63	6.64	6.13	5.57	5.62
Pennsylvania	10.76	10.51	7.72	8.67	8.27	8.67	7.55	8.99
Rhode Island	10.42	10.35	8.54	10.32	9.97	10.72	10.49	9.65
South Carolina	12.03	12.35	7.72	9.62	9.27	8.19	7.85	7.75
South Dakota	9.25	10.81	6.05	7.96	6.96	7.22	7.76	7.69
Tennessee	12.47	9.89	6.82	8.65	8.48	8.16	7.23	7.78
Texas	9.55	10.67	5.74	7.36	7.15	7.39	6.22	5.95
Utah	7.23	7.19	4.93	5.46	5.44	5.14	4.63	4.73
Vermont	7.70	7.72	6.49	7.72	7.20	6.28	6.45	6.35
Virginia	10.99	10.85	7.57	9.82	9.05	9.03	8.69	7.99
Washington	8.72	7.33	6.01	7.09	7.11	7.11	7.07	6.18
West Virginia	6.60	2.97	6.58	6.53	6.71	6.78	7.24	7.28
Wisconsin	8.30	11.11	6.32	8.34	7.32	7.16	6.73	6.28
Wyoming	8.00	6.96	5.27	7.48	6.17	5.84	5.25	5.64
Total	9.69	9.36	6.59	8.20	7.57	7.49	6.93	6.09

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data through 2000 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, 2000-2002

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		2001		
				February	January	Total	December	November
Alabama	4.54	9.30	3.72	4.44	4.62	6.20	4.49	4.72
Alaska	1.94	1.56	1.34	1.68	2.18	1.66	1.86	1.79
Arizona	5.69	7.33	4.20	5.63	5.75	5.78	5.92	5.70
Arkansas	5.09	NA	4.20	5.00	5.17	NA	5.10	5.72
California	5.17	9.94	4.16	4.65	5.67	7.74	4.38	3.98
Colorado	NA	5.53	2.89	2.96	NA	^R 4.19	3.30	3.50
Connecticut	5.17	10.56	5.40	5.16	5.18	6.60	5.69	4.91
Delaware	6.31	5.36	3.82	6.02	6.58	6.87	6.13	5.70
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.85	8.01	4.37	3.46	4.44	6.93	4.13	4.40
Georgia	3.71	10.05	4.43	3.59	3.83	6.14	3.49	4.40
Hawaii	9.52	11.74	8.38	10.48	8.59	11.11	10.56	10.76
Idaho	7.65	5.19	3.58	7.65	^R 7.64	6.58	8.96	7.33
Illinois	4.43	10.11	3.90	4.66	4.21	NA	NA	3.56
Indiana	6.94	8.51	4.78	6.20	7.62	NA	3.52	7.38
Iowa	4.30	8.91	4.11	4.31	4.29	NA	NA	4.22
Kansas	NA	9.40	3.82	4.86	NA	4.83	3.89	3.02
Kentucky	4.74	8.28	3.73	4.65	4.83	6.40	4.73	5.05
Louisiana	2.60	8.08	2.65	1.99	^R 3.22	NA	3.20	NA
Maine	7.25	9.97	3.33	—	7.25	NA	NA	NA
Maryland	NA	18.64	7.07	NA	NA	NA	NA	8.43
Massachusetts	8.41	9.57	7.04	8.52	8.29	NA	NA	8.11
Michigan	4.97	4.27	3.52	5.01	4.93	4.66	5.00	5.05
Minnesota	3.74	8.65	3.27	3.57	3.85	5.22	4.18	4.05
Mississippi	3.96	9.43	3.49	3.72	4.20	NA	3.74	NA
Missouri	5.63	8.61	4.82	5.29	5.97	7.23	2.64	7.32
Montana	4.10	5.40	7.71	3.90	4.30	5.30	4.80	4.96
Nebraska	3.83	8.08	3.73	3.57	4.05	5.74	4.02	4.08
Nevada	6.63	6.24	4.66	6.91	6.50	NA	1.96	9.37
New Hampshire	NA	11.33	7.38	NA	6.06	NA	NA	4.93
New Jersey	3.61	8.71	4.39	3.90	3.35	^R 5.40	^R 4.45	^R 3.41
New Mexico	5.28	5.72	3.17	4.23	6.78	5.82	2.52	2.81
New York	6.34	11.76	6.28	6.41	6.27	NA	NA	NA
North Carolina	5.07	10.83	5.25	5.44	4.77	NA	4.14	4.38
North Dakota	1.65	8.40	2.89	2.22	1.17	5.28	3.37	4.05
Ohio	6.41	9.03	4.57	6.18	6.63	8.68	6.81	6.53
Oklahoma	6.97	8.41	4.72	6.89	^R 7.05	7.86	6.79	6.61
Oregon	7.39	6.07	4.29	7.38	7.40	6.09	7.26	7.26
Pennsylvania	7.50	8.25	5.03	7.44	7.57	7.47	6.74	7.26
Rhode Island	6.78	8.56	2.87	6.70	6.85	6.54	6.46	5.63
South Carolina	3.80	9.12	4.15	3.46	4.11	5.46	3.96	4.54
South Dakota	4.12	8.32	3.43	4.10	4.14	6.13	4.38	4.06
Tennessee	5.24	9.31	4.54	5.12	5.36	NA	5.09	NA
Texas	2.48	7.77	2.51	2.30	^R 2.64	3.81	2.62	3.41
Utah	4.85	6.41	3.57	4.74	4.96	5.28	4.91	5.05
Vermont	4.43	7.46	2.77	4.40	4.46	5.08	4.23	4.30
Virginia	4.80	9.86	5.22	4.79	4.82	NA	5.27	NA
Washington	NA	7.09	4.08	NA	4.81	NA	4.43	4.97
West Virginia	NA	7.70	4.43	3.78	NA	3.84	2.85	2.84
Wisconsin	5.28	9.41	4.25	4.99	5.52	6.75	5.21	5.53
Wyoming	4.76	6.77	3.34	4.75	4.78	7.08	5.48	5.09
Total	3.48	7.97	3.54	3.30	3.64	^R 4.86	^R 3.42	^R 3.96

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	October	September	August	July	June	May	April	March
Alabama	4.25	4.48	5.15	5.42	5.62	6.67	7.16	6.75
Alaska	1.82	1.76	1.75	1.74	1.49	1.52	1.51	1.55
Arizona	4.96	5.09	5.73	4.60	5.58	5.78	5.93	5.97
Arkansas	4.59	5.47	5.40	4.28	NA	4.39	4.20	4.44
California	3.85	4.50	5.52	6.07	8.32	8.86	11.74	11.68
Colorado	2.76	4.05	^R 4.43	^R 4.47	4.12	4.07	4.02	3.98
Connecticut	4.50	5.05	4.48	3.03	6.10	7.02	8.05	8.18
Delaware	6.21	6.31	6.56	6.67	6.91	8.22	7.38	11.56
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.53	5.89	5.85	6.79	6.41	8.02	8.40	8.16
Georgia	3.09	3.94	4.59	5.03	5.31	6.06	6.27	7.80
Hawaii	11.18	10.62	10.89	11.07	11.17	11.23	11.08	11.04
Idaho	7.26	8.17	6.90	6.66	6.37	6.59	6.89	6.35
Illinois	3.70	4.35	4.79	2.03	3.90	2.71	5.17	7.02
Indiana	4.05	NA	8.79	NA	8.72	9.74	9.41	12.41
Iowa	3.83	5.09	5.39	NA	8.02	6.30	7.87	9.41
Kansas	3.18	4.12	4.49	4.77	5.15	6.04	7.03	7.49
Kentucky	4.74	4.25	5.06	5.53	5.85	6.26	7.23	7.76
Louisiana	3.36	4.08	4.15	4.03	4.43	5.10	5.53	5.35
Maine	5.75	8.25	6.65	8.06	7.98	8.00	9.16	9.43
Maryland	8.63	NA	5.75	NA	10.20	10.66	11.71	13.58
Massachusetts	6.99	9.95	9.47	8.94	9.06	10.33	12.69	13.84
Michigan	5.02	5.05	5.11	5.19	5.63	5.62	4.30	4.36
Minnesota	2.51	3.71	3.74	3.81	4.32	5.57	6.24	6.02
Mississippi	3.82	3.97	4.36	4.81	4.58	6.05	6.08	6.44
Missouri	7.58	7.48	8.01	7.94	8.37	8.57	9.09	9.76
Montana	5.94	6.72	6.72	6.22	6.05	5.08	4.91	5.01
Nebraska	3.31	3.84	4.41	4.28	4.76	5.36	6.77	7.16
Nevada	9.11	NA	NA	6.93	7.41	7.39	6.86	7.32
New Hampshire	3.71	4.59	5.80	8.22	9.55	8.00	10.92	12.66
New Jersey	^R 3.57	^R 3.95	^R 3.85	^R 5.39	^R 5.70	^R 6.34	^R 6.55	^R 7.24
New Mexico	2.96	3.31	4.52	4.27	4.23	6.52	8.04	6.95
New York	5.49	NA	5.46	6.04	5.73	6.79	7.98	8.66
North Carolina	NA	5.82	5.24	5.48	5.25	5.87	6.80	6.40
North Dakota	2.51	3.11	3.82	3.68	4.50	5.47	5.83	5.81
Ohio	7.53	8.90	6.94	7.92	11.26	7.57	10.19	10.29
Oklahoma	7.33	6.59	6.82	9.11	8.18	7.97	7.90	7.89
Oregon	6.63	5.72	5.59	5.46	5.59	5.79	5.80	5.86
Pennsylvania	4.97	6.14	5.81	6.23	6.89	7.40	8.59	9.19
Rhode Island	4.84	5.74	5.89	5.22	5.70	7.11	7.24	7.40
South Carolina	3.35	3.86	4.33	4.50	5.11	6.30	6.61	6.64
South Dakota	4.26	5.01	5.09	5.13	5.84	5.89	5.66	6.42
Tennessee	4.89	5.63	5.60	5.80	6.44	6.81	7.04	7.40
Texas	2.29	2.56	3.28	3.33	3.91	4.79	5.37	5.34
Utah	4.26	4.93	4.99	4.89	4.42	5.14	5.52	5.88
Vermont	4.41	4.36	4.39	4.71	4.87	4.93	4.71	5.44
Virginia	NA	5.51	4.10	5.01	4.89	5.61	6.14	6.51
Washington	NA	4.00	3.49	NA	6.58	5.25	5.73	3.76
West Virginia	2.78	3.54	3.70	3.87	4.35	5.76	6.36	6.01
Wisconsin	3.30	4.04	4.59	4.55	6.09	6.87	7.75	7.04
Wyoming	7.76	7.82	8.01	8.06	7.52	7.92	7.65	7.39
Total	^R3.01	^R3.29	^R3.78	^R3.94	^R4.77	^R5.42	^R6.14	^R6.36

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001		2000					
	February	January	Total	December	November	October	September	August
Alabama	8.73	9.81	4.67	6.64	5.18	5.66	5.20	4.68
Alaska	1.55	1.56	1.51	2.24	1.54	1.49	1.52	1.53
Arizona	6.74	8.07	4.40	5.97	3.93	5.14	5.03	4.15
Arkansas	NA	5.30	5.23	5.15	6.89	4.71	7.29	6.55
California	11.11	8.95	5.30	7.63	6.66	6.83	6.21	5.10
Colorado	4.91	^R 6.10	3.49	4.03	4.06	3.91	3.62	3.70
Connecticut	11.55	9.87	5.96	9.11	7.28	6.88	5.26	5.54
Delaware	4.62	7.39	5.03	6.60	5.37	4.74	7.00	5.79
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.85	8.13	5.82	7.08	6.57	7.70	6.72	6.26
Georgia	9.75	10.30	4.83	6.27	5.69	5.80	5.13	4.64
Hawaii	11.84	11.65	10.17	11.93	11.80	11.16	10.77	11.21
Idaho	5.56	4.87	4.02	5.54	4.82	4.73	4.10	4.01
Illinois	9.57	10.59	5.81	8.23	7.67	7.56	6.39	6.05
Indiana	8.09	8.85	5.00	5.25	5.38	6.05	4.12	5.05
Iowa	8.36	9.46	5.49	7.88	6.18	6.43	6.13	5.41
Kansas	10.27	8.66	4.01	6.59	5.34	5.16	3.74	3.97
Kentucky	8.16	8.35	4.82	7.47	6.44	6.02	5.76	5.22
Louisiana	6.54	9.53	4.02	6.30	4.75	5.31	4.75	3.99
Maine	10.22	9.22	4.10	5.77	5.10	4.32	4.27	4.16
Maryland	21.16	17.19	7.86	9.27	8.36	8.93	8.50	8.95
Massachusetts	9.71	9.44	7.47	9.61	8.75	8.24	7.79	8.13
Michigan	4.30	4.25	3.87	3.96	4.40	4.33	4.27	4.05
Minnesota	6.78	11.91	4.45	6.65	5.27	5.79	5.03	4.21
Mississippi	6.95	11.40	4.66	6.89	5.40	6.19	5.28	4.59
Missouri	10.22	7.63	5.71	8.75	7.25	6.05	4.31	6.21
Montana	6.10	4.75	7.43	8.27	8.39	8.89	10.59	11.02
Nebraska	8.59	7.53	4.74	6.79	5.68	5.07	5.44	5.14
Nevada	7.27	5.46	5.11	6.10	6.26	7.78	6.54	4.62
New Hampshire	11.42	11.24	6.18	10.28	9.48	7.24	6.34	5.55
New Jersey	9.50	^R 8.29	5.15	7.06	8.18	7.28	5.67	5.76
New Mexico	7.37	3.72	4.39	5.56	5.12	4.81	5.26	5.42
New York	10.27	14.24	6.13	11.94	6.59	6.41	5.37	5.73
North Carolina	12.01	9.84	5.31	6.21	10.70	5.94	5.26	8.81
North Dakota	7.08	9.82	4.18	6.15	4.97	5.72	4.93	4.35
Ohio	11.06	7.83	5.12	6.37	5.89	6.11	6.05	6.62
Oklahoma	7.90	8.85	5.30	6.87	6.68	5.82	5.96	5.72
Oregon	5.93	6.21	4.93	6.01	5.65	5.52	4.32	5.43
Pennsylvania	7.43	8.99	5.03	5.88	6.04	5.58	4.85	4.81
Rhode Island	7.99	9.03	5.38	9.16	6.93	6.83	12.20	5.77
South Carolina	7.97	10.41	4.93	7.10	5.66	6.17	5.67	4.85
South Dakota	8.75	7.91	4.38	6.61	5.19	5.30	4.61	3.53
Tennessee	10.26	8.58	5.08	6.94	5.42	5.27	5.36	5.15
Texas	6.31	9.14	4.10	6.76	4.80	5.17	4.71	4.01
Utah	6.18	6.58	3.93	5.79	4.93	4.73	4.09	4.04
Vermont	6.38	8.41	2.99	3.80	3.67	3.19	3.22	2.93
Virginia	9.60	10.11	5.23	7.59	6.63	5.18	4.85	5.10
Washington	6.71	7.42	4.04	7.96	5.06	3.78	3.31	2.72
West Virginia	6.69	8.68	4.46	4.85	4.52	6.09	4.76	4.08
Wisconsin	7.61	11.36	5.45	7.68	6.44	6.39	5.88	5.12
Wyoming	6.77	6.77	4.07	5.00	4.70	6.01	3.58	6.55
Total	7.28	^R 8.60	4.48	6.67	5.39	5.45	4.88	4.33

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data through 2000 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, 2000-2002

(Dollars per Thousand Cubic Feet)

State	2002	2001						
	January	Total	December	November	October	September	August	July
Alabama	NA	4.50	2.57	4.96	2.56	3.88	3.37	3.55
Alaska	NA	2.37	2.60	2.59	2.66	2.45	2.46	2.44
Arizona	NA	4.70	2.93	3.13	2.67	2.88	3.64	3.55
Arkansas	NA	4.47	2.70	3.60	2.44	2.67	3.24	3.53
California	NA	8.58	5.64	3.43	4.03	5.01	5.98	8.55
Colorado	NA	3.86	2.73	3.42	2.36	2.87	2.82	2.78
Connecticut	NA	—	—	—	—	—	—	—
Delaware	NA	4.46	3.12	—	3.74	—	4.00	4.16
District of Columbia	NA	—	—	—	—	—	—	—
Florida	NA	4.78	3.15	3.83	2.80	3.68	4.38	4.53
Georgia	NA	3.61	3.52	—	2.55	2.45	3.26	3.13
Hawaii	NA	—	—	—	—	—	—	—
Idaho	NA	—	—	—	—	—	—	—
Illinois	NA	4.01	3.04	2.14	2.85	4.35	3.76	4.81
Indiana	NA	5.26	4.07	3.95	4.04	3.78	4.07	4.56
Iowa	NA	4.48	3.66	3.82	2.69	3.13	3.57	3.97
Kansas	NA	3.64	2.63	2.56	2.35	2.37	3.23	3.26
Kentucky	NA	4.40	3.65	4.50	2.83	2.85	3.75	3.80
Louisiana	NA	4.30	2.78	3.15	2.26	2.44	3.22	3.40
Maine	NA	—	—	—	—	—	—	—
Maryland	NA	—	—	—	—	—	—	—
Massachusetts	NA	3.71	3.30	3.20	2.82	2.81	3.57	3.43
Michigan	NA	3.36	2.82	2.37	2.80	2.60	3.13	3.83
Minnesota	NA	4.67	3.48	2.99	3.50	3.86	4.15	4.19
Mississippi	NA	3.69	2.48	2.67	2.13	2.64	3.54	3.59
Missouri	NA	4.67	3.01	3.02	2.90	4.62	5.01	4.80
Montana	NA	7.20	4.85	5.07	5.44	5.34	6.26	7.66
Nebraska	NA	4.52	3.66	4.34	2.53	3.78	3.82	3.83
Nevada	NA	8.35	5.79	3.72	10.64	13.58	9.42	9.88
New Hampshire	NA	2.56	—	—	2.55	2.47	3.54	—
New Jersey	NA	3.21	3.58	3.03	3.03	—	—	—
New Mexico	NA	4.21	2.56	2.99	2.31	2.80	3.21	3.40
New York	NA	4.70	3.12	3.54	2.75	2.88	3.72	3.54
North Carolina	NA	4.76	4.70	5.40	3.58	3.80	4.63	4.69
North Dakota	NA	5.92	—	—	—	4.49	—	—
Ohio	NA	8.33	5.77	4.37	6.30	9.74	6.51	8.52
Oklahoma	NA	4.39	3.16	3.53	3.03	2.73	3.49	3.59
Oregon	NA	3.80	3.85	3.62	3.23	3.20	3.25	3.32
Pennsylvania	NA	7.85	—	—	—	—	—	—
Rhode Island	NA	—	—	—	—	—	—	—
South Carolina	NA	4.86	5.73	5.85	2.34	5.68	5.84	6.63
South Dakota	NA	—	—	—	—	—	—	—
Tennessee	NA	—	—	—	—	—	—	—
Texas	NA	4.26	2.84	3.07	2.53	2.70	3.46	3.49
Utah	NA	4.97	—	10.12	6.67	3.96	3.64	3.69
Vermont	NA	4.90	—	—	—	—	—	—
Virginia	NA	4.38	3.52	—	—	3.06	4.05	4.15
Washington	NA	—	—	—	—	—	—	—
West Virginia	NA	5.96	2.97	4.07	5.44	4.07	4.25	4.81
Wisconsin	NA	4.71	3.65	3.62	2.81	3.33	4.08	3.66
Wyoming	NA	4.04	—	—	3.61	—	3.03	3.48
Total	NA	4.52	3.12	3.30	2.79	3.15	3.72	3.83

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001						2000	
	June	May	April	March	February	January	Total	December
Alabama	5.21	5.08	5.88	6.26	6.05	9.75	4.52	1.18
Alaska	2.32	2.27	2.32	2.13	2.13	2.12	1.77	1.96
Arizona	3.94	4.46	5.35	5.69	6.76	9.53	4.86	8.65
Arkansas	4.16	5.24	6.68	5.49	6.31	8.88	4.46	10.81
California	8.26	10.64	10.04	10.33	14.57	12.35	5.88	19.91
Colorado	3.36	4.13	5.06	5.26	6.13	7.11	4.12	7.93
Connecticut	—	—	—	—	—	—	—	—
Delaware	4.76	—	7.55	6.94	7.43	10.46	4.92	11.14
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.81	5.93	6.35	5.59	8.91	10.87	4.50	6.63
Georgia	3.82	5.21	5.93	8.07	6.90	7.23	4.31	10.85
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	5.23	4.44	6.18	5.57	6.44	9.49	4.84	10.60
Indiana	4.67	5.85	6.05	6.80	7.98	7.71	4.56	7.71
Iowa	4.81	6.49	6.35	6.23	7.11	5.31	4.56	7.04
Kansas	3.89	4.51	5.33	5.78	6.06	9.10	4.18	8.79
Kentucky	4.45	8.53	—	7.18	8.24	10.32	5.08	7.22
Louisiana	4.06	5.03	5.82	5.65	6.88	10.07	4.55	8.97
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	4.62	—
Massachusetts	4.41	5.04	7.08	7.14	7.46	13.46	4.60	8.93
Michigan	4.52	5.08	5.03	5.32	5.11	1.33	2.77	2.81
Minnesota	4.80	4.66	5.74	5.31	7.83	11.79	4.54	6.52
Mississippi	4.07	4.77	5.52	5.37	6.38	10.26	4.01	9.29
Missouri	4.68	4.37	5.82	4.89	6.09	12.36	4.42	5.00
Montana	7.94	7.66	7.25	8.32	9.73	10.88	5.81	7.31
Nebraska	3.55	3.78	6.88	5.80	9.75	23.69	4.60	3.62
Nevada	7.06	7.04	6.24	7.60	9.05	10.52	4.86	11.56
New Hampshire	—	—	—	—	—	—	3.37	—
New Jersey	—	—	—	—	—	—	4.42	—
New Mexico	3.92	4.94	5.45	6.07	6.06	7.87	3.94	7.35
New York	9.26	5.31	6.12	6.32	8.12	17.03	4.68	10.22
North Carolina	5.34	6.06	7.81	—	—	—	4.43	8.79
North Dakota	—	6.28	—	6.52	—	—	—	—
Ohio	9.49	9.45	9.22	9.50	9.51	7.47	4.97	6.39
Oklahoma	4.14	5.41	6.07	6.42	6.23	10.20	4.54	7.76
Oregon	3.59	3.72	4.12	4.32	4.16	5.41	2.94	4.74
Pennsylvania	—	—	—	5.53	7.29	11.04	3.83	6.67
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.28	5.84	6.49	6.89	7.24	10.98	5.72	9.82
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	4.04	4.79	5.48	5.38	6.09	9.01	4.24	7.95
Utah	4.11	3.93	4.32	4.78	6.30	6.92	4.02	6.15
Vermont	4.67	4.63	5.84	5.84	7.69	—	4.91	7.05
Virginia	5.00	7.54	10.08	22.19	34.18	4.00	4.66	2.12
Washington	—	—	—	—	—	—	—	—
West Virginia	7.87	9.37	6.80	8.45	10.14	8.10	4.98	5.73
Wisconsin	4.65	5.66	6.07	5.88	6.57	8.65	4.48	7.23
Wyoming	2.66	3.71	4.06	5.06	4.91	5.00	3.92	4.22
Total	4.51	5.14	5.70	5.69	6.85	9.47	4.38	8.23

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility^a Consumers, by State, 2000-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	November	October	September	August	July	June	May	April
Alabama	9.80	6.70	4.84	4.02	4.47	5.00	4.75	3.45
Alaska	1.98	1.97	1.82	1.77	1.75	1.63	1.74	1.75
Arizona	6.07	5.49	4.93	4.45	4.70	4.75	3.77	3.40
Arkansas	6.37	5.31	5.24	4.43	4.69	4.72	3.79	3.20
California	7.68	6.19	6.01	4.85	4.68	4.87	4.19	3.54
Colorado	4.97	4.00	3.73	3.94	4.06	3.96	3.48	3.08
Connecticut	—	—	—	—	—	—	—	—
Delaware	8.39	7.84	6.53	5.30	6.05	5.10	4.20	5.87
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.57	6.24	5.54	4.73	5.10	5.15	3.89	3.68
Georgia	8.94	8.81	5.32	4.02	4.21	4.19	3.93	3.89
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	6.57	6.50	6.30	4.38	4.74	5.11	3.64	3.57
Indiana	5.80	6.61	5.97	4.38	4.43	5.80	4.42	4.19
Iowa	5.54	5.98	5.43	4.57	4.61	5.25	3.81	3.43
Kansas	5.74	5.12	4.91	4.41	3.99	3.87	3.54	3.15
Kentucky	5.81	6.26	5.28	4.73	5.09	6.06	7.17	5.83
Louisiana	5.64	5.62	5.19	4.47	4.64	4.75	3.62	3.22
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	5.90	5.17	4.69	4.95	4.16	3.69
Massachusetts	5.56	5.94	5.58	5.07	4.74	4.97	3.97	3.67
Michigan	3.16	1.88	1.85	3.26	3.13	3.17	2.85	3.16
Minnesota	5.62	5.73	3.82	4.70	4.76	4.28	3.54	3.27
Mississippi	5.76	5.44	5.10	4.31	3.74	4.44	3.76	3.17
Missouri	6.33	5.40	5.29	4.73	4.45	4.51	3.77	3.23
Montana	13.52	7.46	4.54	5.26	5.35	4.94	3.37	3.53
Nebraska	5.99	5.51	5.62	4.43	4.78	4.33	4.07	3.53
Nevada	7.48	4.87	5.07	4.56	4.13	4.19	3.56	3.03
New Hampshire	—	—	—	—	—	—	3.70	3.47
New Jersey	—	—	5.42	—	5.19	4.77	3.79	3.77
New Mexico	5.14	4.82	4.58	4.35	4.38	4.27	3.35	2.99
New York	5.65	6.07	5.65	4.72	4.70	4.82	3.97	3.55
North Carolina	7.57	5.60	5.54	4.90	4.28	4.27	3.70	3.82
North Dakota	—	—	—	—	—	—	—	—
Ohio	5.81	5.89	6.39	5.97	5.35	3.39	5.49	1.25
Oklahoma	5.29	5.83	5.10	4.39	4.54	4.67	3.73	3.30
Oregon	3.78	2.71	2.67	2.40	2.81	3.35	2.75	2.50
Pennsylvania	6.02	5.77	—	—	3.18	5.09	3.42	3.28
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	7.02	6.55	6.34	6.26	5.42	5.36	5.03	4.39
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.23	5.34	4.81	4.32	4.34	4.40	3.50	3.06
Utah	5.23	4.66	3.57	3.60	3.58	3.79	3.45	3.13
Vermont	6.54	5.60	5.56	4.70	4.40	4.66	3.83	3.56
Virginia	9.11	7.65	7.53	5.31	5.06	5.48	4.09	4.00
Washington	—	—	—	—	—	—	—	—
West Virginia	6.03	6.15	4.87	5.52	5.84	4.19	3.75	4.19
Wisconsin	5.43	5.92	5.29	4.77	4.94	4.86	3.80	3.49
Wyoming	3.47	1.09	8.55	4.61	3.42	4.27	3.72	3.31
Total	5.37	5.17	4.85	4.27	4.35	4.45	3.63	3.23

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

NA Not Available.

— Not Applicable.

Notes: January 2002 data not available in time for publication. See box on page one for more information. Data through 2000 are final. All other

data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

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, 2000-2002

State	YTD 2002		YTD 2001		YTD 2000		2002	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	February	
							Commercial	Industrial
Alabama	78.3	16.9	85.2	15.6	85.7	24.1	80.9	15.5
Alaska	59.4	91.4	65.0	92.0	55.5	99.8	58.9	99.2
Arizona	94.8	66.8	91.6	48.7	87.0	49.8	94.8	53.9
Arkansas	NA	3.8	NA	NA	92.7	8.5	65.5	3.5
California	69.1	4.1	65.4	4.2	59.7	7.3	69.0	7.4
Colorado	93.6	NA	99.9	9.6	98.5	9.9	99.2	—
Connecticut	NA	46.3	75.5	59.9	75.7	44.9	NA	56.4
Delaware	97.8	12.9	98.5	20.4	98.2	10.3	98.1	13.3
District of Columbia	23.8	—	30.4	—	50.0	—	23.8	—
Florida	46.2	1.5	59.9	3.2	71.1	4.6	44.6	2.5
Georgia	8.3	6.0	12.6	8.5	16.4	24.0	8.1	6.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	53.9	2.7	89.5	3.2	89.5	3.4	78.6	2.8
Illinois	37.4	10.6	45.2	13.1	46.4	11.1	31.9	10.7
Indiana	76.6	6.9	NA	13.1	79.4	8.7	76.2	7.2
Iowa	80.9	6.7	89.0	8.3	86.6	8.2	82.4	4.6
Kansas	62.3	2.8	66.2	2.4	65.0	4.6	64.0	2.8
Kentucky	79.5	16.7	86.4	21.6	88.6	21.1	77.1	16.9
Louisiana	63.6	12.0	96.6	8.8	96.7	12.2	66.0	12.6
Maine	55.4	100.0	100.0	97.3	100.0	55.7	53.3	—
Maryland	NA	NA	44.9	5.7	43.1	6.9	NA	NA
Massachusetts	52.7	20.9	65.4	23.8	71.2	16.1	50.2	55.1
Michigan	68.6	11.5	68.6	15.0	63.3	10.8	68.7	12.9
Minnesota	92.1	18.8	98.3	40.0	96.7	37.6	90.8	16.0
Mississippi	96.7	28.4	92.7	27.2	96.8	25.3	95.9	29.5
Missouri	80.2	22.8	87.7	19.9	85.1	22.4	80.4	24.4
Montana	74.1	3.0	82.9	3.0	74.3	2.6	73.6	3.0
Nebraska	65.4	18.5	69.1	25.1	64.8	19.0	57.5	16.6
Nevada	89.8	8.7	73.6	5.4	63.5	10.0	88.7	46.5
New Hampshire	84.2	NA	91.2	33.2	94.4	30.3	84.0	NA
New Jersey	57.6	42.1	65.5	39.5	51.9	47.5	55.3	21.4
New Mexico	77.0	7.9	68.0	27.0	65.7	10.2	75.9	5.4
New York	49.8	6.5	68.4	6.3	36.5	4.6	49.3	14.2
North Carolina	92.2	27.5	98.6	38.4	98.3	46.1	91.6	25.1
North Dakota	80.4	16.5	92.2	14.5	90.6	26.0	92.8	19.9
Ohio	39.2	4.2	46.9	5.3	49.6	8.1	37.1	3.3
Oklahoma	NA	5.1	72.4	6.2	80.4	5.5	74.5	4.9
Oregon	90.6	16.7	100.0	15.6	98.8	14.5	98.9	20.4
Pennsylvania	61.5	6.4	67.6	14.5	60.8	12.7	60.4	6.8
Rhode Island	NA	1.8	64.6	4.5	59.3	6.7	61.1	48.3
South Carolina	97.8	83.2	98.7	88.6	99.2	85.2	97.2	81.9
South Dakota	NA	NA	86.6	38.5	85.7	45.9	85.3	50.0
Tennessee	90.8	25.4	95.5	25.0	94.9	38.9	93.7	24.4
Texas	91.4	42.0	52.5	24.0	80.8	28.8	90.8	44.1
Utah	87.2	13.8	88.1	10.7	87.4	9.5	87.1	94.8
Vermont	100.0	79.6	100.0	88.0	100.0	84.8	100.0	79.9
Virginia	65.2	15.6	77.3	14.2	71.6	18.1	66.0	19.8
Washington	NA	NA	95.0	22.3	95.8	27.8	NA	NA
West Virginia	48.2	NA	78.3	6.7	67.2	8.8	51.0	14.2
Wisconsin	78.4	21.5	81.4	24.8	82.2	25.9	78.5	21.5
Wyoming	85.7	1.9	85.0	5.4	90.3	1.7	91.4	2.0
Total	65.9	20.9	69.7	16.0	66.9	19.0	65.3	20.8

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2002		2001					
	January		Total		December		November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	76.0	16.9	77.9	13.4	72.3	12.7	71.1	15.7
Alaska	59.8	99.3	66.1	89.7	63.9	99.4	64.6	99.3
Arizona	94.9	68.9	93.1	55.6	96.0	63.8	94.1	64.2
Arkansas	NA	4.7	NA	NA	NA	3.8	NA	3.9
California	69.2	6.1	62.9	3.1	68.3	5.1	63.5	5.3
Colorado	89.0	NA	99.9	^R 11.0	100.0	^R 0.2	100.0	^R 0.5
Connecticut	54.6	39.4	NA	56.6	NA	50.2	NA	60.2
Delaware	97.6	12.6	98.5	16.5	98.1	16.7	98.0	15.3
District of Columbia	23.8	—	25.8	—	25.5	—	22.5	—
Florida	47.7	1.6	50.5	2.2	44.5	3.0	40.7	2.3
Georgia	8.5	5.7	11.0	5.8	7.3	6.0	10.5	6.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	41.1	^R 2.6	80.7	2.2	79.4	2.4	76.0	1.9
Illinois	41.3	11.3	NA	NA	NA	NA	36.0	9.8
Indiana	76.9	7.5	NA	NA	81.3	9.1	72.1	5.9
Iowa	79.6	8.3	NA	NA	NA	NA	75.9	9.5
Kansas	60.9	2.9	60.5	7.7	54.7	3.6	46.7	6.6
Kentucky	81.9	^R 16.6	80.1	15.9	75.0	14.4	79.1	13.8
Louisiana	^R 61.2	^R 11.1	NA	NA	NA	8.3	NA	NA
Maine	57.4	100.0	NA	NA	51.7	NA	NA	NA
Maryland	NA	NA	NA	NA	NA	NA	36.6	2.6
Massachusetts	55.3	29.3	NA	NA	NA	NA	50.7	28.8
Michigan	68.5	14.0	63.3	8.6	68.3	11.6	61.7	9.3
Minnesota	93.2	21.3	98.2	40.6	96.5	39.6	98.0	32.2
Mississippi	97.4	27.4	NA	NA	95.1	28.3	NA	NA
Missouri	80.1	21.4	80.3	15.3	77.6	31.3	71.0	11.6
Montana	74.6	3.1	76.8	2.2	81.5	3.0	75.4	1.9
Nebraska	75.0	19.4	61.4	16.6	55.2	16.7	59.0	10.6
Nevada	90.7	62.0	73.2	7.8	88.9	77.6	85.2	45.9
New Hampshire	84.5	32.1	NA	NA	NA	NA	NA	56.5
New Jersey	59.7	27.2	^R 59.0	^R 43.8	^R 58.7	^R 21.1	^R 56.1	^R 15.6
New Mexico	78.2	2.7	66.3	17.3	76.1	11.4	87.7	10.8
New York	50.4	9.3	50.0	NA	47.5	NA	44.2	NA
North Carolina	92.7	29.9	93.3	28.7	89.2	27.9	87.5	20.3
North Dakota	72.7	14.4	90.2	9.9	93.2	18.0	90.9	13.5
Ohio	41.3	3.5	40.8	3.3	39.5	3.0	41.0	2.5
Oklahoma	NA	^R 5.4	^R 58.6	3.4	69.1	3.7	48.7	3.4
Oregon	83.7	18.5	99.0	15.1	99.0	21.7	100.0	20.8
Pennsylvania	62.7	7.3	62.8	8.5	61.4	6.7	59.2	5.9
Rhode Island	NA	53.4	58.0	2.9	52.4	100.0	49.4	100.0
South Carolina	98.4	84.6	96.6	79.9	96.2	81.3	95.8	79.2
South Dakota	NA	NA	NA	25.9	NA	43.1	82.0	43.3
Tennessee	^R 88.5	26.4	91.8	19.8	91.5	21.1	88.4	18.2
Texas	^R 91.9	^R 41.0	51.5	33.4	72.5	38.8	57.4	37.5
Utah	87.3	94.4	84.6	10.5	86.2	94.0	83.2	94.1
Vermont	100.0	79.3	100.0	76.4	100.0	79.2	100.0	76.2
Virginia	64.4	14.1	67.5	NA	65.5	9.2	60.1	NA
Washington	^R 74.3	37.1	NA	NA	97.3	45.7	NA	31.5
West Virginia	45.8	NA	60.9	15.4	37.1	64.3	67.8	29.5
Wisconsin	78.4	23.2	76.3	18.9	83.6	21.9	75.8	18.9
Wyoming	^R 83.0	1.8	83.0	4.1	96.0	2.7	64.8	3.2
Total	^R66.5	^R20.9	^R63.9	^R16.7	^R66.8	^R19.5	^R63.0	^R18.0

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2001							
	October		September		August		July	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	72.1	12.2	70.8	14.1	71.8	13.9	71.7	13.5
Alaska	62.1	94.9	68.9	94.4	71.6	89.8	70.6	90.6
Arizona	94.5	63.0	93.4	54.9	91.6	45.8	92.8	65.5
Arkansas	47.3	4.2	40.9	3.6	38.9	3.9	NA	10.3
California	64.0	5.2	60.8	4.1	60.6	4.3	60.1	4.2
Colorado	100.0	^R 0.6	100.0	^R 2.3	100.0	^R 3.7	100.0	^R 3.9
Connecticut	71.2	75.6	NA	60.4	71.6	63.5	77.8	37.6
Delaware	98.4	12.1	98.8	14.6	98.5	12.0	100.0	15.2
District of Columbia	21.4	—	19.2	—	27.1	—	19.0	—
Florida	40.7	1.9	41.7	1.7	45.5	2.3	46.3	1.4
Georgia	7.4	5.5	9.9	5.5	12.0	5.2	11.0	5.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	69.3	1.6	75.9	1.6	61.9	1.9	61.6	1.6
Illinois	36.0	8.0	30.9	7.3	27.5	5.6	30.0	5.4
Indiana	68.9	7.4	NA	NA	NA	0.8	NA	NA
Iowa	71.7	6.9	60.1	4.4	81.7	4.4	NA	NA
Kansas	48.0	6.4	53.5	14.0	50.3	18.8	52.0	15.6
Kentucky	73.5	16.5	71.6	14.6	75.0	14.6	71.5	14.6
Louisiana	NA	5.9	NA	6.4	NA	4.6	NA	8.7
Maine	100.0	32.9	100.0	19.1	100.0	41.5	100.0	50.8
Maryland	37.6	3.5	NA	NA	28.6	6.7	28.2	1.9
Massachusetts	42.1	18.0	45.1	17.8	45.5	9.9	49.0	13.5
Michigan	57.2	7.0	49.2	5.8	40.1	5.6	41.6	5.0
Minnesota	98.5	50.4	98.7	36.5	97.6	44.4	98.8	38.8
Mississippi	95.8	20.4	NA	28.0	93.6	29.4	93.4	25.9
Missouri	67.9	9.3	67.2	9.0	65.4	7.3	67.9	8.9
Montana	75.0	1.2	67.7	1.0	69.8	0.1	68.6	0.9
Nebraska	69.3	17.7	58.1	11.8	61.3	11.4	60.6	7.3
Nevada	82.9	39.3	71.1	33.4	70.4	36.7	82.0	36.5
New Hampshire	51.6	32.2	52.6	31.6	45.6	21.3	84.0	10.0
New Jersey	^R 53.2	^R 16.8	^R 45.5	^R 20.5	^R 46.0	^R 15.5	^R 47.5	^R 18.6
New Mexico	61.4	9.7	63.6	12.3	64.4	11.7	62.4	3.8
New York	30.3	10.3	21.0	NA	22.9	17.5	22.3	17.1
North Carolina	84.8	14.3	86.9	19.9	86.1	17.9	87.1	21.3
North Dakota	89.2	12.2	84.5	8.1	84.1	4.8	83.8	1.1
Ohio	36.7	2.3	24.8	0.5	27.2	2.1	26.9	0.7
Oklahoma	39.0	2.1	35.1	2.6	42.5	2.5	33.6	1.5
Oregon	100.0	13.1	100.0	23.7	99.8	27.1	90.9	26.5
Pennsylvania	55.4	7.3	52.9	6.5	54.5	6.0	57.4	6.4
Rhode Island	41.9	100.0	47.3	100.0	46.2	100.0	44.1	100.0
South Carolina	92.1	76.2	93.6	77.5	95.8	77.8	94.9	77.9
South Dakota	80.2	29.4	75.6	17.2	75.3	15.5	NA	14.1
Tennessee	85.5	15.5	86.3	18.7	82.8	17.5	85.4	17.6
Texas	47.2	44.9	45.6	45.1	58.4	42.3	47.8	43.0
Utah	80.7	94.8	78.3	94.8	76.5	95.3	76.4	95.6
Vermont	100.0	73.7	100.0	71.0	100.0	68.1	100.0	66.3
Virginia	61.3	NA	54.8	10.1	51.6	8.1	50.0	3.6
Washington	NA	NA	97.4	34.6	97.1	34.8	97.7	7.9
West Virginia	32.8	9.6	48.7	6.7	49.2	10.1	52.4	8.8
Wisconsin	73.0	15.0	60.2	10.3	56.6	11.7	68.8	11.6
Wyoming	85.5	3.4	89.6	2.9	79.2	2.9	84.4	2.6
Total	^R57.9	^R19.3	^R52.2	^R19.1	^R54.2	^R18.0	^R54.5	^R18.8

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2001							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	70.7	13.8	73.3	10.1	80.6	12.6	77.3	12.2
Alaska	73.2	92.8	65.6	97.2	65.7	99.7	67.9	99.6
Arizona	93.9	56.8	92.7	53.9	89.3	51.4	95.7	50.8
Arkansas	NA	NA	NA	10.8	NA	10.7	NA	13.6
California	66.5	5.0	63.0	5.8	52.2	6.7	64.6	8.5
Colorado	100.0	1.0	100.0	^R 0.8	100.0	0.2	99.8	^R 0.1
Connecticut	^R 83.8	46.8	77.5	61.3	73.1	52.8	77.8	53.5
Delaware	98.4	20.9	98.5	15.2	98.7	13.4	98.5	20.4
District of Columbia	21.3	—	23.9	—	24.1	—	28.8	—
Florida	49.5	4.6	53.4	4.2	57.7	3.5	56.3	2.8
Georgia	13.3	6.2	13.3	6.2	15.4	5.6	9.1	6.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	64.3	1.7	69.5	2.1	86.4	2.1	88.6	2.5
Illinois	29.0	6.2	33.6	6.6	40.4	8.2	42.6	10.8
Indiana	NA	3.3	NA	3.8	78.9	6.3	NA	6.5
Iowa	71.5	2.7	69.7	6.0	77.2	4.7	83.2	6.3
Kansas	52.9	7.9	55.4	6.4	67.1	2.4	64.8	2.6
Kentucky	63.9	13.3	73.6	15.0	75.6	11.6	82.7	16.4
Louisiana	95.6	6.4	95.7	7.5	97.2	8.0	NA	7.4
Maine	100.0	46.2	100.0	38.2	100.0	91.0	100.0	93.6
Maryland	28.2	2.4	30.4	4.1	35.2	3.3	46.2	3.9
Massachusetts	45.7	19.6	48.7	22.7	61.8	25.2	63.9	42.5
Michigan	48.3	5.1	57.8	8.3	62.6	12.5	68.2	14.4
Minnesota	99.4	38.8	97.6	35.3	98.6	41.4	99.4	48.0
Mississippi	93.9	31.9	92.5	24.3	95.1	31.8	95.7	25.3
Missouri	69.8	9.5	71.6	10.4	82.6	13.5	83.5	18.0
Montana	69.0	1.9	68.7	2.3	75.1	2.6	61.8	2.8
Nebraska	56.1	14.9	51.4	17.6	53.7	18.7	60.7	27.5
Nevada	54.8	11.8	58.0	12.0	64.2	18.1	65.3	15.4
New Hampshire	88.6	13.4	82.5	21.4	92.1	60.2	90.4	30.9
New Jersey	^R 47.3	^R 19.5	^R 50.9	^R 21.2	^R 60.4	^R 21.9	^R 62.0	^R 27.5
New Mexico	60.1	5.3	60.6	5.5	48.5	47.9	66.4	31.2
New York	55.1	18.9	56.2	20.9	65.0	17.6	66.5	21.1
North Carolina	88.3	25.3	93.5	28.6	96.1	30.0	96.9	28.5
North Dakota	82.0	5.6	85.8	5.9	88.9	8.3	89.4	16.8
Ohio	28.0	1.5	27.2	1.7	40.5	2.8	43.9	4.7
Oklahoma	40.2	2.0	51.5	1.8	61.0	3.2	58.8	4.3
Oregon	99.7	21.0	99.2	20.8	99.4	20.5	100.0	18.9
Pennsylvania	58.3	4.0	58.5	6.2	62.3	8.2	66.0	9.1
Rhode Island	52.6	100.0	60.2	100.0	63.9	100.0	62.5	100.0
South Carolina	96.0	77.4	96.5	76.5	97.4	81.5	96.8	81.4
South Dakota	78.2	18.6	83.9	14.1	84.1	21.7	86.7	27.3
Tennessee	87.5	20.0	88.2	18.1	92.8	18.0	92.8	22.3
Texas	49.7	22.3	31.7	21.3	51.5	19.4	50.4	21.3
Utah	76.9	95.5	80.0	94.8	84.6	92.2	85.7	94.0
Vermont	100.0	68.4	100.0	75.6	100.0	79.4	100.0	79.7
Virginia	59.5	16.3	57.0	8.8	68.1	12.4	77.9	14.3
Washington	97.7	30.7	89.9	30.9	96.0	33.5	94.8	38.9
West Virginia	44.5	8.3	52.6	9.2	72.7	9.7	76.9	7.3
Wisconsin	67.8	10.5	66.2	11.8	75.5	17.3	73.8	25.1
Wyoming	97.2	3.3	93.6	2.8	66.5	4.8	89.4	5.3
Total	^R61.5	^R13.0	^R57.1	^R13.0	^R64.6	^R13.9	^R67.0	^R15.0

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2001				2000			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	84.3	15.0	85.8	16.7	81.2	22.5	83.6	27.5
Alaska	64.6	99.6	65.3	99.6	59.2	99.8	60.4	99.6
Arizona	91.5	52.5	91.6	44.7	83.7	38.0	89.8	36.9
Arkansas	NA	NA	NA	14.6	89.9	8.2	95.5	13.9
California	66.8	8.5	64.1	9.5	57.5	5.1	63.5	5.8
Colorado	100.0	0.1	99.9	^R 0.1	97.4	12.1	96.1	10.6
Connecticut	74.4	51.2	76.5	68.4	78.4	46.0	78.9	48.4
Delaware	98.7	29.7	98.4	11.1	98.0	8.1	97.5	9.0
District of Columbia	28.2	—	32.5	—	35.6	—	32.7	—
Florida	59.2	3.7	60.7	4.7	67.5	4.4	67.5	4.1
Georgia	13.5	8.2	12.0	9.9	17.0	19.3	11.1	21.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	90.3	3.2	88.8	3.3	86.3	2.7	87.9	2.8
Illinois	43.7	13.6	46.6	13.4	41.9	8.7	43.5	13.2
Indiana	NA	13.3	NA	14.2	78.0	9.8	83.0	16.2
Iowa	84.9	8.8	92.6	8.0	81.1	7.0	84.2	11.9
Kansas	63.8	2.4	68.1	2.5	58.3	10.3	60.1	2.7
Kentucky	84.0	18.9	88.0	23.7	85.6	19.1	84.2	22.5
Louisiana	97.0	8.3	96.2	8.3	96.3	11.0	95.3	10.9
Maine	100.0	98.4	—	94.1	100.0	43.5	100.0	16.4
Maryland	45.4	4.8	44.6	7.8	39.2	5.3	50.4	6.4
Massachusetts	63.4	34.6	67.4	34.6	63.1	13.5	67.9	18.4
Michigan	68.8	16.2	68.4	17.6	58.6	7.8	67.8	12.5
Minnesota	98.7	53.0	98.0	28.0	97.3	40.0	98.3	46.3
Mississippi	87.3	35.1	96.6	29.0	95.5	27.1	96.2	29.9
Missouri	85.6	15.7	89.4	23.7	80.1	17.1	84.4	25.4
Montana	88.2	3.1	76.3	3.0	73.5	1.9	81.7	3.1
Nebraska	61.8	26.8	78.2	23.1	60.5	13.8	53.8	18.5
Nevada	73.5	23.1	73.8	30.0	54.7	4.4	74.7	4.9
New Hampshire	91.9	35.8	90.3	30.7	86.4	34.8	80.6	31.7
New Jersey	^R 65.6	26.3	^R 65.4	^R 29.2	56.9	44.4	56.1	44.6
New Mexico	68.0	27.4	67.9	22.4	61.4	18.9	71.9	15.7
New York	69.2	25.0	67.7	15.1	36.0	3.4	37.8	3.7
North Carolina	98.2	31.0	98.8	38.3	96.5	52.5	96.8	41.4
North Dakota	92.2	13.9	92.3	15.3	89.3	16.1	92.8	25.3
Ohio	42.9	4.4	50.3	6.1	45.0	5.5	49.6	8.3
Oklahoma	61.5	4.9	82.4	8.2	72.3	4.1	82.8	7.9
Oregon	100.0	17.3	100.0	27.5	98.8	13.0	98.8	20.3
Pennsylvania	67.5	13.6	67.7	14.4	60.5	11.6	66.3	16.0
Rhode Island	64.9	100.0	64.4	100.0	53.3	5.9	55.0	3.3
South Carolina	98.3	86.5	99.0	91.1	98.7	86.5	98.6	85.7
South Dakota	85.1	34.3	88.3	43.5	83.1	28.3	89.6	42.4
Tennessee	95.0	22.8	95.8	26.8	92.5	38.4	94.6	35.6
Texas	48.3	22.8	56.0	23.6	76.3	30.1	77.8	34.0
Utah	87.6	94.2	88.4	94.9	83.9	10.0	87.0	10.0
Vermont	100.0	80.4	100.0	96.0	100.0	83.8	100.0	93.0
Virginia	79.8	16.7	75.3	19.3	66.4	13.4	74.1	8.7
Washington	94.9	37.0	95.1	39.7	92.7	27.1	95.4	27.1
West Virginia	80.1	6.9	76.9	6.5	56.6	7.6	75.2	11.7
Wisconsin	81.1	25.4	81.7	24.1	78.1	22.4	82.4	32.9
Wyoming	91.6	5.7	79.3	5.2	90.0	2.9	96.8	3.0
Total	^R68.6	15.6	^R70.6	^R16.3	62.9	18.1	67.5	20.4

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued

State	2000							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	73.7	24.9	74.2	22.7	76.3	21.5	79.3	21.2
Alaska	57.9	99.6	59.3	99.6	61.5	99.7	63.8	99.9
Arizona	82.9	46.0	77.5	39.2	80.6	33.0	84.1	33.7
Arkansas	93.0	8.3	82.4	8.8	76.9	5.5	84.9	6.3
California	56.4	5.2	57.0	3.8	49.8	3.7	47.5	3.5
Colorado	95.7	12.2	93.1	11.5	99.1	11.6	99.3	14.5
Connecticut	75.7	53.9	79.8	56.1	82.7	35.7	81.0	62.8
Delaware	97.5	11.7	97.8	5.9	94.9	9.3	98.5	7.0
District of Columbia	27.2	—	23.5	—	20.5	—	22.4	—
Florida	63.1	3.4	64.0	4.5	64.7	4.4	64.7	4.2
Georgia	10.8	22.7	14.7	19.9	16.9	17.6	16.3	16.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	83.2	2.3	76.4	2.4	80.6	1.9	81.9	2.5
Illinois	45.2	10.9	34.1	7.0	34.1	6.6	30.0	5.4
Indiana	79.3	15.6	73.0	9.6	70.3	10.2	66.6	8.1
Iowa	82.2	8.2	77.1	7.2	71.7	5.8	77.7	4.5
Kansas	44.7	3.6	49.0	7.6	52.3	15.6	44.6	21.4
Kentucky	87.2	17.5	83.8	17.4	81.8	16.3	80.8	19.3
Louisiana	94.5	10.8	96.2	9.6	96.1	10.1	96.1	9.5
Maine	100.0	23.5	100.0	39.2	100.0	47.4	100.0	44.0
Maryland	42.1	2.8	38.2	7.6	30.4	6.9	33.3	2.6
Massachusetts	61.4	14.9	58.3	8.8	67.6	9.8	51.2	6.6
Michigan	60.0	8.1	50.8	6.3	43.2	4.0	41.4	4.0
Minnesota	97.5	44.7	98.9	43.3	99.0	34.7	98.6	42.2
Mississippi	94.8	28.3	94.7	29.9	94.4	25.7	93.5	30.2
Missouri	73.3	14.0	62.5	9.1	81.5	25.2	67.3	15.5
Montana	78.3	2.1	73.3	1.6	68.7	0.8	65.1	0.8
Nebraska	70.2	18.6	65.3	16.2	62.9	6.8	64.9	14.8
Nevada	53.7	4.0	47.3	2.4	44.7	1.9	40.9	1.8
New Hampshire	83.6	23.7	77.4	27.7	73.3	32.0	69.5	33.3
New Jersey	62.2	41.1	53.9	33.5	41.5	37.0	81.7	43.4
New Mexico	74.0	20.6	75.9	28.2	44.4	28.4	56.9	26.2
New York	34.9	3.4	34.4	3.2	37.7	3.6	38.9	3.1
North Carolina	89.8	28.5	99.5	66.5	99.8	63.9	84.9	30.8
North Dakota	91.7	19.7	87.8	11.8	82.4	9.1	83.6	9.9
Ohio	42.3	7.5	39.0	2.7	35.6	2.4	33.7	1.9
Oklahoma	72.7	4.1	56.9	3.2	47.7	2.7	53.4	2.8
Oregon	98.8	14.6	98.8	12.7	98.8	12.2	98.8	9.8
Pennsylvania	62.0	12.6	55.7	10.7	62.9	11.0	51.0	10.8
Rhode Island	45.8	6.4	40.0	6.1	38.9	4.6	39.4	5.9
South Carolina	96.1	82.7	100.0	87.7	100.0	88.3	96.1	82.9
South Dakota	83.2	24.1	80.8	26.2	72.2	12.9	78.8	10.7
Tennessee	92.5	37.6	88.6	43.6	78.0	41.4	88.2	32.6
Texas	72.2	36.4	71.9	27.6	72.2	28.9	73.3	31.7
Utah	85.6	10.0	79.7	9.7	79.7	10.0	74.5	10.7
Vermont	100.0	83.9	100.0	82.3	100.0	82.9	100.0	79.6
Virginia	69.5	19.1	66.1	14.9	62.7	12.9	55.9	14.0
Washington	76.8	29.1	93.6	28.7	91.9	28.6	91.5	26.7
West Virginia	58.7	11.1	50.4	6.8	35.9	6.2	36.5	5.8
Wisconsin	78.4	25.3	71.3	19.8	63.1	17.1	65.7	16.7
Wyoming	84.2	2.6	87.0	3.2	85.6	3.0	86.1	2.6
Total	63.0	19.8	58.5	16.6	56.0	16.5	57.7	17.1

^R Revised Data.

^{NA} Not Available.

— Not Applicable.

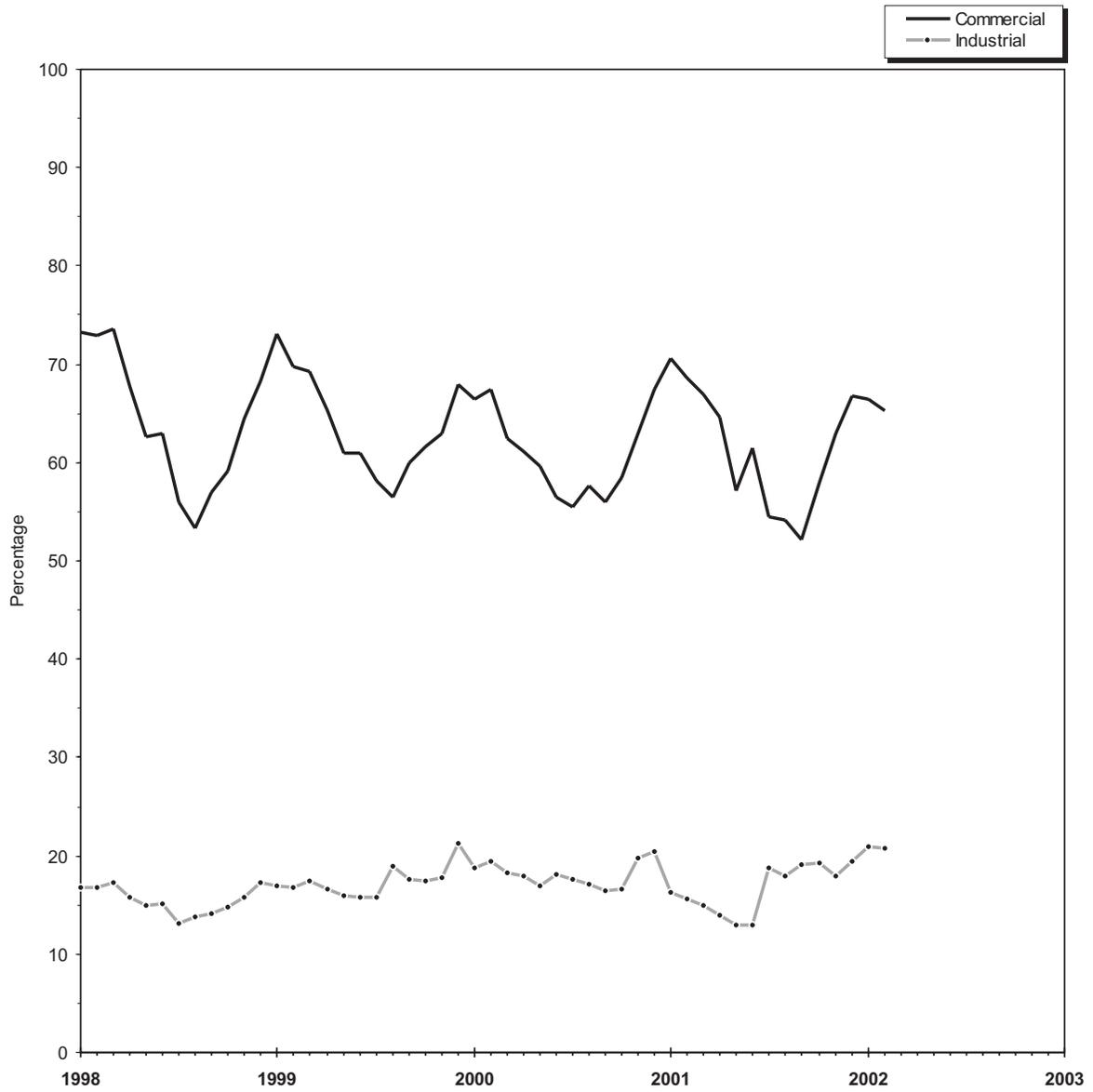
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

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

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1998-2002



Source: Table 25.

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.

For data that are not taken from STIFS computations, Table A1 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

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

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and estimated from historical data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from supply estimates and coal gasification information
Imports	Estimated from National Energy Board of Canada information and liquefied natural gas information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from industry trends and liquefied natural gas information
Current-Month Consumption	Estimated from historical month-to-month percent changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from reports to the sample survey Form EIA-857
Commercial	Estimated from reports to the sample survey Form EIA-857
Industrial	Estimated from reports to the sample survey Form EIA-857
Electric Utilities	Reported on Form EIA-759

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 32 producing States reported data on nonhydrocarbon gases removed during 2000. These 11 States accounted for 46 percent of total 2000 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 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 impact 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. 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 reservoir fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 8. Average Wellhead Value

Annual Data

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

Preliminary Monthly Data

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 State-wide 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.

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 are granted to any respondent upon request.

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

Routine Form EIA-176 Edit Checks

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

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

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

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

Other EIA Publications Referencing Form EIA-176

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

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

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 Interstate Oil and Gas Compact Commission (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 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 32 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 2000 were reported by the appropriate agencies of 11 of the 32 producing States. These 11 States accounted for 46 percent of total 2000 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 (112,393), Colorado (413,290), New Mexico (583,581), and Wyoming (151,449).

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 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, 95 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, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported as whole dollar.

Routine Form EIA-857 Edit Checks

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

Appendix C

Statistical Considerations

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

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate pipeline 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-906, "Power Plant Report," 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 1,449 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 2000 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 2000. 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 395 respondent companies.

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 17 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 17 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, Michigan, 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 five 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 delivering gas to residential consumers and those who do not deliver to residential consumers.

Kansas, Louisiana, Texas: companies delivering gas only to industrial consumers and those delivering to any other sector.

South Carolina: companies delivering more than 3 Bcf to consumers and those below that level.

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 submissions of Form EIA-176:

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

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

where:

$\gamma_{.j}$ = the sum within State of annual gas volumes in consumer sector j for all companies,

$\gamma'_{.j}$ = 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:

Where:

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

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, February 2002

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	739	730	4,346	4,468	0.81	1.64	4.41
Alaska	0	0	0	0	—	—	—
Arizona	0	0	0	0	—	—	—
Arkansas	158	356	207	441	0.18	0.15	1.34
California	968	538	1,406	1,789	0.13	0.15	0.04
Colorado	3,857	1,948	NA	NA	0.40	0.47	2.06
Connecticut	NA	NA	0	NA	NA	NA	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	280	277	1,508	1,559	1.25	0.43	2.87
Georgia	1,835	578	1,094	2,213	0.20	0.99	4.30
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	636	2,259	16,543	16,709	0.18	1.51	0.28
Indiana	360	570	3,835	3,893	0.49	0.39	0.45
Iowa	14	92	68	116	0.17	0.19	0.32
Kansas	924	12,422	3,053	12,825	0.36	1.46	4.53
Kentucky	0	0	0	0	—	—	—
Louisiana	NA	168	5,951	NA	NA	0.09	0.01
Maine	0	0	0	0	—	—	—
Maryland	NA	NA	NA	NA	NA	NA	NA
Massachusetts	475	333	1,181	1,316	0.43	0.24	0.76
Michigan	91	73	230	258	0.02	0.03	0.04
Minnesota	0	0	0	0	—	—	—
Mississippi	815	423	957	1,326	0.57	0.41	0.61
Missouri	1,194	518	685	1,471	0.50	0.50	1.86
Montana	3	4	0	5	0.02	0.03	—
Nebraska	151	172	303	380	0.08	0.04	0.54
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	1,490	52	838	1,710	NA	0.13	2.20
New York	331	185	581	694	0.01	0.07	0.12
North Carolina	64	14	734	737	0.09	0.09	0.76
North Dakota	0	0	0	0	—	—	—
Ohio	925	462	1,978	2,232	0.35	0.28	0.15
Oklahoma	3,277	3,378	411	4,724	1.69	0.43	1.75
Oregon	0	0	0	0	—	—	—
Pennsylvania	683	856	4,544	4,674	0.72	0.29	0.05
Rhode Island	0	0	0	0	—	—	—
South Carolina	583	377	400	801	0.23	1.11	0.12
South Dakota	0	0	0	0	—	—	—
Tennessee	740	494	3,496	3,608	0.23	0.20	3.35
Texas	4,039	1,071	8,306	9,297	0.32	0.45	0.20
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	580	256	1,008	1,191	0.32	0.55	3.90
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	472	584	844	1,129	0.90	0.64	1.93
Wisconsin	1,112	124	303	1,159	0.21	0.20	0.03
Wyoming	0	0	0	0	—	—	—
Total	7,547	13,411	21,685	26,590	0.35	0.12	0.30

NA Not Available.
— Not Applicable.

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

Appendix D

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Javed Zaidi (202)586-8695
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Javed Zaidi (202)586-8695
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S.Department of Energy, "Natural Gas Import and Exports"	Javed Zaidi (202)586-8695
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FERC-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	Javed Zaidi (202)586-8695
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13, 14	Monthly:	Form 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 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility	20 21 22 23 24	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Onsystem Sales	25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

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.

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

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.

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.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Lease and Plant Fuel: Natural gas used in well, field, lease operations 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.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

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

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

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.