

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>Weekly Natural Gas Storage Report</i>	HTML	Weekly natural gas stocks and implied net changes by three regions and U.S. total
<i>Natural Gas Weekly Update</i>	HTML	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 - 2000
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
Databases		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Applications		
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* (NGM) contains estimates of natural gas data through March 2003 for many data series at the national level. National-level natural gas prices are available through February 2003 (electric utilities), or March (residential, commercial, industrial, and wellhead). State-level data generally are available through March 2003, although underground storage data are available through April 2003.

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 Natural 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.

Table 1. Summary of Natural Gas Production in the United States, 1997-2003
(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
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 Total	24,174	3,380	505	91	20,198	1,016	19,182
2001							
January	2,101	289	39	7	1,766	82	1,685
February	1,912	277	38	8	1,588	73	1,515
March	2,139	294	42	7	1,797	83	1,714
April	2,023	271	39	8	1,705	79	1,626
May	2,061	253	39	7	1,762	81	1,681
June	2,003	258	35	6	1,703	79	1,624
July	2,035	253	42	9	1,730	80	1,650
August	2,053	264	41	7	1,742	81	1,661
September	1,992	267	38	7	1,679	78	1,602
October	2,088	288	36	7	1,755	81	1,674
November	2,004	285	35	7	1,676	78	1,599
December	2,067	297	39	6	1,725	80	1,645
Total	24,476	3,296	464	86	20,630	954	19,676
2002							
January	E2,066	E325	E35	E7	E1,698	E78	E1,620
February	E1,857	E306	E28	E6	E1,517	E70	E1,447
March	E2,077	E335	E31	E7	E1,704	E79	E1,625
April	E1,985	E314	E30	E7	E1,634	E75	E1,558
May	E2,063	E318	E32	E7	E1,706	E79	E1,628
June	E2,002	E302	E31	E7	E1,663	E77	E1,586
July	E2,040	E280	E32	E7	E1,720	E79	E1,641
August	E2,039	E298	E31	E7	E1,702	E79	E1,624
September	E1,901	E278	E30	E7	E1,586	E73	E1,513
October	E1,985	E317	E32	E7	E1,629	E75	E1,554
November	E2,010	E285	E32	E7	E1,685	E78	E1,608
December	E2,104	E340	E33	E7	E1,724	E80	E1,644
Total	E24,130	E3,699	E378	E84	E19,969	E922	E19,047
2003							
January	RE2,103	E332	E33	E7	RE1,732	E80	RE1,652
February	RE1,922	RE310	RE32	E6	RE1,573	RE73	RE1,500
March	E2,131	E340	E34	E7	E1,750	E81	E1,669
2003 YTD	E6,156	E982	E99	E20	E5,055	E233	E4,822
2002 YTD	E6,001	E966	E95	E21	E4,919	E227	E4,692
2001 YTD	6,151	860	119	22	5,151	238	4,913

^a See Appendix A, Explanatory Note 2, 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.

Notes: Data for 1997 through 2001 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001*. January 2002 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," and EIA estimates. See Appendix A, Explanatory Notes 1, 2, and 3, for discussion of computation and estimation procedures and revision policies.

Table 2

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1997-2003
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1997 Total	18,902	103	2,837	24	839	22,737
1998 Total	19,024	102	2,993	-530	633	22,245
1999 Total	18,832	98	3,422	172	-113	22,403
2000 Total	19,182	90	3,538	829	-271	23,368
2001						
January	1,685	9	348	508	126	2,676
February	1,515	7	301	348	138	2,310
March	1,714	8	326	187	14	2,250
April	1,626	6	295	-284	163	1,807
May	1,681	6	293	-488	31	1,524
June	1,624	6	293	-449	-29	1,445
July	1,650	7	333	-392	-1	1,598
August	1,661	6	324	-313	-10	1,670
September	1,602	7	281	-379	-17	1,494
October	1,674	7	292	-193	-129	1,651
November	1,599	8	249	-74	-81	1,701
December	1,645	8	268	361	-160	2,122
Total	19,676	86	3,604	-1,165	46	22,247
2002						
January	€1,620	€8	308	546	-29	2,452
February	€1,447	€7	275	462	€-1	€2,189
March	€1,625	€8	294	320	€-25	€2,222
April	€1,558	€6	275	-126	€130	€1,844
May	€1,628	€6	279	-323	€-6	€1,583
June	€1,586	€5	272	-339	€33	€1,558
July	€1,641	€7	299	-239	€9	€1,716
August	€1,624	€6	309	-234	€-29	€1,677
September	€1,513	€6	288	-292	€-9	€1,506
October	€1,554	€7	301	-84	€165	€1,612
November	€1,608	€7	275	198	€-230	€1,858
December	€1,644	€8	314	558	€211	€2,314
Total	€19,047	€80	3,491	447	€-535	€22,530
2003						
January	RE1,652	€8	€290	841	€-164	€2,627
February	RE1,500	€4	€241	676	€27	€2,448
March	€1,669	€7	261	134	73	2,144
2003 YTD	€4,822	19	791	1,651	-64	7,219
2002 YTD	€4,692	€22	877	1,328	-55	6,863
2001 YTD	4,913	24	975	1,044	278	7,235

^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 1997 through 2001 include underground storage and liquefied natural gas storage. Data for January 2002 forward include underground storage only. See Appendix A, Explanatory Note 6 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. Annual balancing item for 1997-2001 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): -36 for 2001; -65 for 2000; -8 for 1999; 22 for 1998; 31 for 1997.

See Appendix A, Explanatory Note 8, 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.

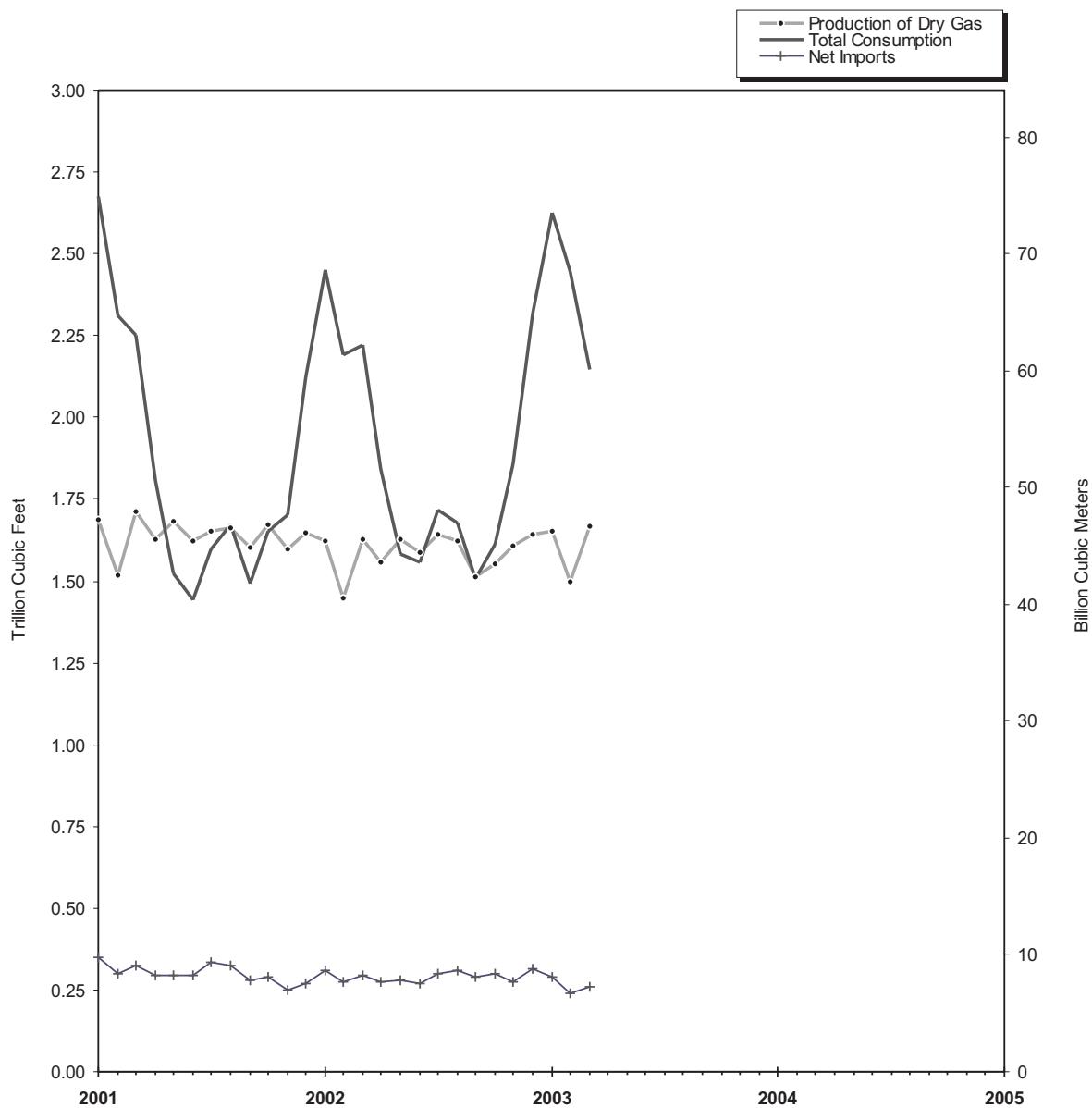
^{RE} Revised Estimated Data.

Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001*. January 2002 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, and Office of Fossil Energy, "Natural Gas Imports and Exports." See Appendix A, Notes 4 and 5, for discussion of computation and estimation procedures and revision policies.

Figure 1

Figure 1. Production, Consumption and Net Imports of Natural Gas in the United States, 2001-2003



Source: Table 2.

Table 3

Table 3. Natural Gas Consumption in the United States, 1997-2003
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers						Total Consumption
			Residential	Commercial	Industrial	Electric Power	Vehicle Fuel	Total	
1997 Total	1,203	751	4,984	3,215	8,511	4,065	8	20,783	22,737
1998 Total	1,173	635	4,520	2,999	8,320	4,588	9	20,438	22,245
1999 Total	1,079	645	4,726	3,045	8,079	4,820	12	20,681	22,403
2000 Total	1,151	642	4,996	3,218	8,142	5,206	13	21,575	23,368
2001									
January	93	76	977	503	684	340	1	2,506	2,676
February	85	66	781	425	640	313	1	2,159	2,310
March	95	64	682	378	667	363	1	2,091	2,250
April	90	51	401	257	623	385	1	1,666	1,807
May	92	42	209	165	579	434	1	1,389	1,524
June	89	40	147	136	539	493	1	1,316	1,445
July	91	44	124	131	572	634	1	1,463	1,598
August	92	47	117	134	592	687	1	1,532	1,670
September	89	41	128	144	581	510	1	1,364	1,494
October	93	46	239	186	621	466	1	1,513	1,651
November	89	48	361	232	620	351	1	1,564	1,701
December	92	60	610	347	645	367	1	1,971	2,122
Total	1,089	624	4,776	3,037	7,363	5,343	15	20,534	22,247
2002									
January	E90	69	823	R430	R663	377	1	2,294	2,452
February	E80	61	R707	R389	R610	341	1	R2,048	R2,189
March	E90	62	666	R372	R630	400	1	R2,070	R2,222
April	E86	R52	R421	R265	R620	399	1	R1,706	R1,844
May	E90	44	R259	R191	R588	410	1	R1,449	R1,583
June	E88	44	163	150	R570	541	1	R1,426	R1,558
July	E91	48	R128	R136	R587	725	1	R1,577	R1,716
August	E90	47	117	R140	R591	691	1	R1,540	R1,677
September	E84	42	125	143	R556	555	1	R1,380	R1,506
October	E86	45	R251	196	R597	436	1	R1,481	R1,612
November	E89	52	R490	295	R593	337	1	R1,717	R1,858
December	E91	R65	R769	R411	R636	340	1	R2,158	R2,314
Total	E1,053	R632	R4,918	R3,118	R7,241	5,553	15	R20,846	R22,530
2003									
January	RE91	R74	R952	R493	649	367	1	R2,462	R2,627
February	RE83	69	R883	R471	R613	329	1	R2,297	R2,448
March	E92	60	676	375	584	355	1	1,992	2,144
2003 YTD^d	E266	202	2,511	1,339	1,846	1,051	4	6,750	7,219
2002 YTD^d	E259	192	2,196	1,191	1,903	1,119	4	6,412	6,863
2001 YTD^d	273	205	2,441	1,305	1,991	1,016	4	6,756	7,235

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

R Revised Data.

E Estimated Data.

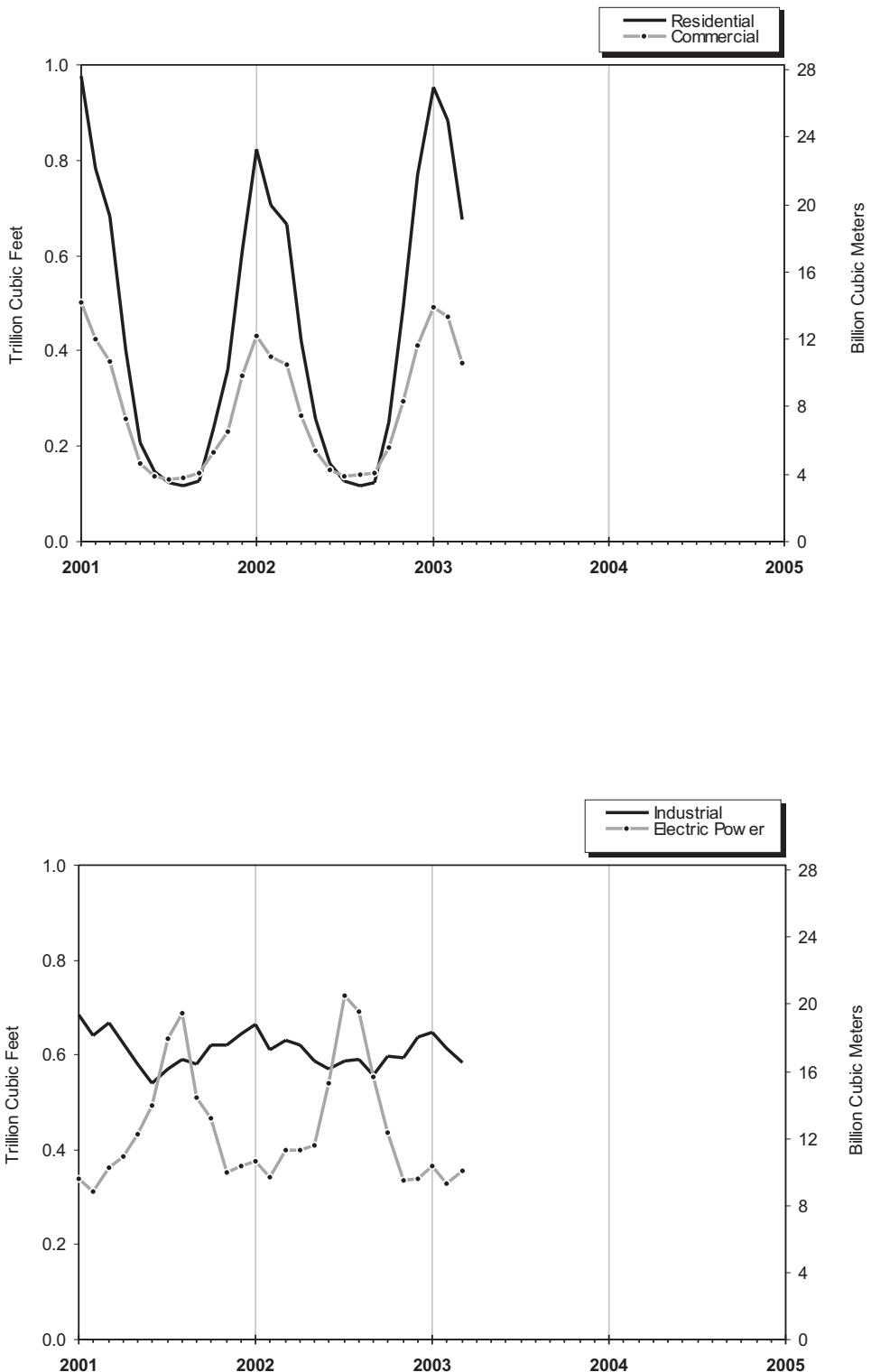
RE Revised Estimated Data.

Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. See Explanatory Note 7 for definition of sectors.

Sources: 1997-2001: 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," Form EIA-906, "Power Plant Report," EIA computations, and *Natural Gas Annual 2001*. January 2002 through the current month: EIA: Form EIA-895, Form EIA-857, and Form EIA-906. See Appendix A, Explanatory Note 7, for computation procedures and revision policy.

Figure 2

Figure 2. Natural Gas Deliveries to Consumers in the United States, 2001-2003



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1997-2003
(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Consumer Prices						Electric Utilities Price	
			Residential Price	Commercial		Industrial				
				Price	% of Total ^b	Price	% of Total ^b			
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	66.1	3.12	18.8	2.62		
2000 Annual Average	3.69	4.62	7.76	6.59	62.9	4.45	19.8	4.38		
2001										
January	6.82	8.91	10.12	9.50	72.7	8.77	22.1	9.49		
February	5.08	7.08	10.26	9.80	71.6	7.24	21.7	7.18		
March	4.37	6.10	9.85	9.13	69.0	6.35	20.4	5.90		
April	4.52	6.30	10.16	9.01	66.3	6.16	19.5	5.82		
May	4.36	5.77	11.14	9.19	60.7	5.49	17.9	5.29		
June	3.80	5.38	11.59	8.50	59.3	4.80	17.6	4.37		
July	3.36	4.03	11.22	7.90	54.2	4.13	18.5	3.85		
August	3.34	4.32	10.89	7.61	53.6	4.01	18.0	3.64		
September	2.94	3.66	10.17	6.96	53.8	3.56	18.2	3.03		
October	2.81	3.37	8.24	6.39	59.9	3.23	18.7	2.78		
November	3.42	4.02	7.98	6.79	64.8	3.92	18.7	3.32		
December	3.44	3.90	7.30	6.35	67.9	3.75	19.4	3.14		
Annual Average	4.02	5.72	9.64	8.43	65.8	5.28	19.3	4.61		
2002										
January	£2.35	£4.04	£7.29	6.48	£79.1	4.08	£17.4	3.31		
February	£2.14	£3.77	7.27	6.43	£79.5	£3.72	£17.9	3.05		
March	£2.52	£3.85	£7.06	6.26	£79.3	£3.80	17.7	3.50		
April	£3.02	£4.17	£7.65	£6.55	75.8	£3.62	£23.2	3.90		
May	£3.01	£4.07	8.54	£6.63	£72.9	£4.02	£21.0	3.88		
June	£2.94	4.14	£9.57	6.56	£72.0	£3.83	£22.5	3.67		
July	£2.89	£3.92	10.15	6.52	£71.7	3.78	£20.8	3.53		
August	£2.77	£3.62	£10.40	6.40	£69.7	3.64	£19.4	3.47		
September	£2.98	4.07	10.19	£6.44	£68.9	£3.87	£19.5	3.76		
October	£3.35	£4.29	8.56	6.52	£72.9	£4.14	£18.8	4.26		
November	£3.59	£4.61	7.98	£6.75	£79.0	£4.67	£19.3	4.49		
December	£3.84	£4.69	£7.80	£7.07	£79.4	£4.87	£20.1	4.85		
Annual Average	£2.95	£4.14	£7.86	£6.57	£76.6	£4.00	£19.8	3.77		
2003										
January	£4.47	£5.26	£8.07	£7.31	£81.4	£5.30	22.8	5.12		
February	£5.45	£5.88	£8.41	7.83	£78.9	£6.15	£21.9	6.38		
March	£6.69	7.61	10.29	10.70	79.9	8.08	21.2	NA		
2003 YTD^c	£5.54	6.10	8.76	8.33	80.1	6.43	22.0	NA		
2002 YTD^c	£2.34	3.89	7.21	6.39	79.3	3.87	17.7	3.30		
2001 YTD^c	5.42	7.51	10.09	9.49	71.3	7.50	21.4	7.51		

^a See Appendix A, Explanatory Note 10, 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 electric utility year-to-date price is 1 month behind the wellhead, city gate, residential, commercial, and industrial year-to-date prices.

^R Revised Data.

^E Estimated Data.

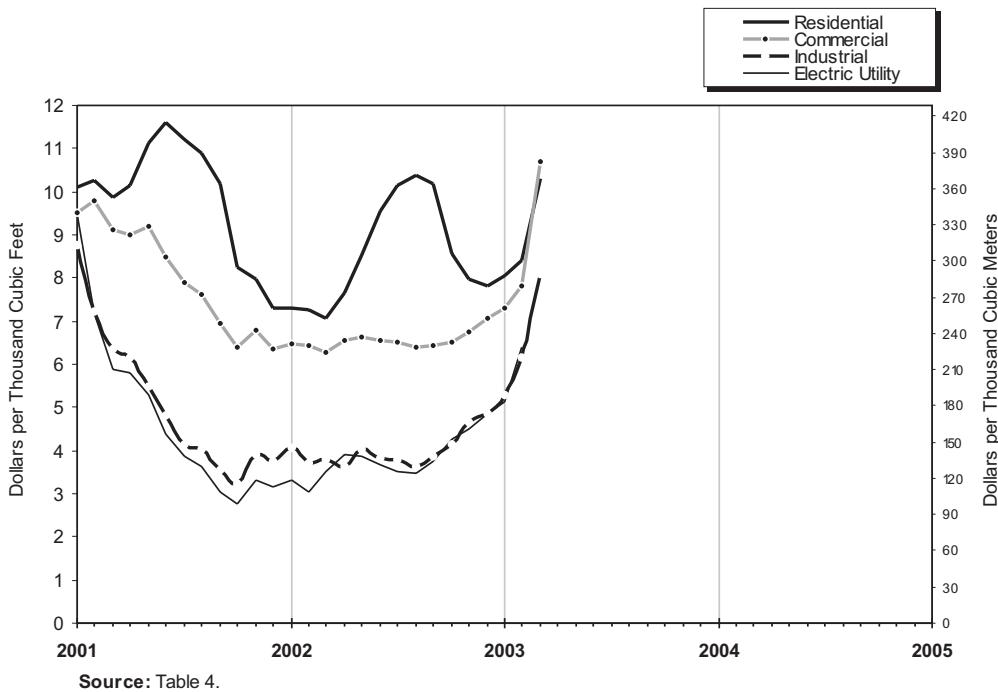
NA Not Available.

Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

Sources: 1997-2001: Energy Information Administration (EIA) *Natural Gas Annual 2001*. January 2002 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-910, "Monthly Natural Gas Marketer Survey," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates.

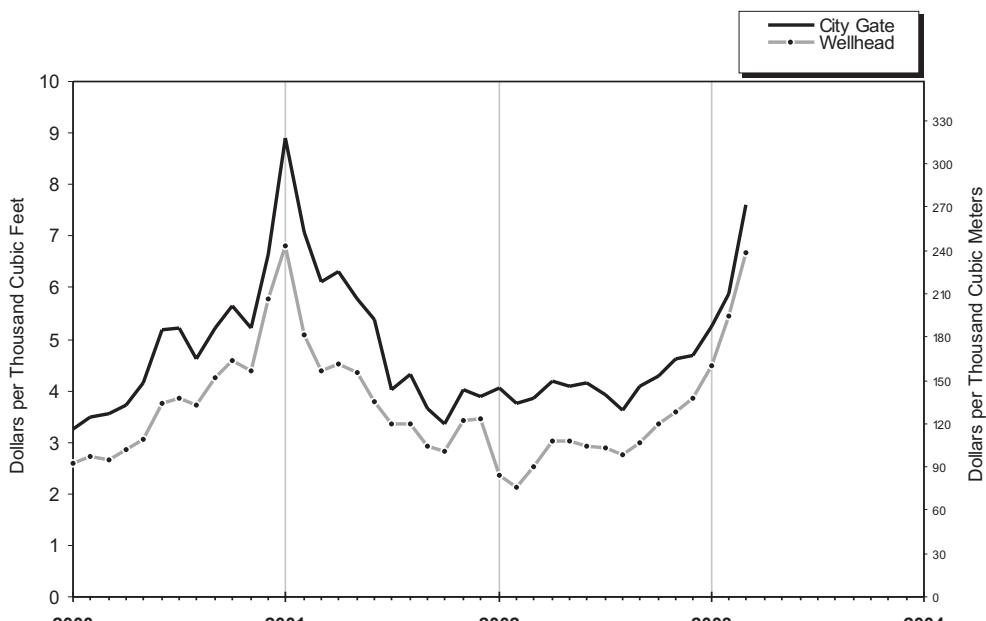
Figures 3 and 4

Figure 3. Average Consumer Price of Natural Gas in the U.S., 2001-2003



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 2000-2003



Source: Table 4.

Table 5

Table 5. U.S. Natural Gas Imports and Exports, 2001-2003

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

	YTD 2003	YTD 2002	YTD 2001	2003					
				April	March	February			
Imports									
Volume (million cubic feet)									
Pipeline									
Canada ^a	1,141,909	1,250,014	1,285,342	262,301	R281,485	R276,078			
Mexico	E0	1,755	7,138	E0	0	0			
Total Pipeline Imports	E1,141,909	1,251,768	1,292,481	E262,301	R281,485	R276,078			
LNG									
Algeria	13,671	4,638	25,293	10,893	2,778	0			
Australia	0	0	0	0	0	0			
Brunei	0	0	0	0	0	0			
Indonesia	0	0	0	0	0	0			
Malaysia	0	0	0	0	0	0			
Nigeria	2,604	0	14,903	2,604	0	0			
Oman	0	0	4,440	0	0	0			
Qatar	1,871	5,030	4,853	0	1,871	0			
Trinidad	89,657	33,311	36,073	19,184	26,353	R21,007			
United Arab Emirates	0	0	0	0	0	0			
Total LNG Imports	107,803	42,979	85,562	32,682	31,002	R21,007			
Total Imports	E1,249,712	1,294,748	1,378,043	E294,983	R312,487	R297,084			
Average Price (dollars per thousand cubic feet)									
Pipeline									
Canada	NA	2.72	6.82	NA	R7.79	R5.76			
Mexico	-	2.36	6.09	-	-	-			
Total Pipeline Imports	NA	2.72	6.82	NA	R7.79	R5.76			
LNG									
Algeria	NA	3.53	5.01	NA	R7.79	-			
Australia	-	-	-	-	-	-			
Brunei	-	-	-	-	-	-			
Indonesia	-	-	-	-	-	-			
Malaysia	-	-	-	-	-	-			
Nigeria	NA	-	7.22	NA	-	-			
Oman	-	-	7.15	-	-	-			
Qatar	5.94	3.03	4.90	-	R5.94	-			
Trinidad	NA	3.04	5.32	NA	R5.13	R4.84			
United Arab Emirates	-	-	-	-	-	-			
Total LNG Imports	NA	3.09	5.63	NA	R5.42	R4.84			
Total Imports	NA	2.73	6.75	NA	R7.55	R5.69			
Exports									
Volume (million cubic feet)									
Pipeline									
Canada	110,184	58,984	59,017	32,890	R28,909	R25,141			
Mexico	E87,795	60,666	28,557	E17,298	R17,298	R25,177			
Total Pipeline Exports	E197,979	119,650	87,574	E50,188	R46,207	R50,318			
LNG									
Japan	21,038	22,407	20,447	5,605	5,565	5,569			
Mexico	NA	153	165	NA	R40	R40			
Total LNG Exports	21,162	22,560	20,613	5,605	R5,604	R5,609			
Total Exports	E219,141	142,209	108,187	E55,792	R51,811	R55,927			
Average Price dollars per thousand cubic feet)									
Pipeline									
Canada	NA	2.61	5.45	NA	R9.27	R7.57			
Mexico	NA	2.87	7.79	NA	R8.46	R5.78			
Total Pipeline Exports	NA	2.74	6.21	NA	R8.97	R6.67			
LNG									
Japan	NA	3.89	4.58	NA	R4.29	R4.43			
Mexico	NA	5.82	5.82	NA	R5.82	R5.82			
Total LNG Exports	NA	3.90	4.59	NA	R4.30	R4.44			
Total Exports	NA	2.93	5.90	NA	R8.46	R6.45			
Net Imports - Volume	E1,030,571	1,152,538	1,269,856	E239,191	R260,676	R241,157			

See footnotes at end of table.

Table 5

Table 5. U.S. Natural Gas Imports and Exports, 2001-2003

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

	2003	2002				
	January	Total	December	November	October	September
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	\$322,045	3,777,032	348,952	308,220	315,486	318,108
Mexico	\$0	1,755	0	0	0	0
Total Pipeline Imports	\$322,045	3,778,786	348,952	308,220	315,486	318,108
LNG						
Algeria	0	26,584	2,636	2,636	0	0
Australia	0	0	0	0	0	0
Brunei	0	2,401	0	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	2,423	0	0	0	0
Nigeria	0	8,123	0	0	5,403	0
Oman	0	3,013	0	0	0	0
Qatar	0	35,081	0	0	0	2,517
Trinidad	\$23,113	151,104	17,512	19,169	22,018	14,369
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	\$23,113	228,730	20,147	21,804	27,421	16,886
Total Imports	\$345,158	4,007,516	369,099	330,025	342,907	334,994
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	\$4.88	3.13	4.19	4.06	3.58	3.05
Mexico	-	2.36	-	-	-	-
Total Pipeline Imports	\$4.88	3.13	4.19	4.06	3.58	3.05
LNG						
Algeria	-	3.61	4.20	4.07	-	-
Australia	-	-	-	-	-	-
Brunei	-	2.82	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	3.43	-	-	-	-
Nigeria	-	3.21	-	-	3.01	-
Oman	-	3.34	-	-	-	-
Qatar	-	3.39	-	-	-	3.59
Trinidad	\$4.69	3.43	4.42	3.85	3.52	3.30
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	\$4.69	3.43	4.39	3.88	3.42	3.34
Total Imports	\$4.87	3.15	4.20	4.05	3.57	3.06
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	\$23,244	189,313	26,005	27,678	10,182	13,471
Mexico	\$28,021	263,078	23,113	21,264	26,314	27,482
Total Pipeline Exports	\$51,266	452,391	49,118	48,942	36,495	40,952
LNG						
Japan	\$4,301	63,439	5,660	5,609	5,571	5,583
Mexico	\$44	403	43	37	43	28
Total LNG Exports	\$4,345	63,842	5,703	5,647	5,614	5,611
Total Exports	\$55,611	516,233	54,821	54,589	42,109	46,563
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	\$6.57	3.34	4.33	4.33	3.78	3.23
Mexico	\$5.03	3.30	4.26	4.03	3.58	3.25
Total Pipeline Exports	\$5.73	3.32	4.30	4.20	3.64	3.24
LNG						
Japan	\$4.42	4.07	4.33	4.29	4.27	4.29
Mexico	\$5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	\$4.43	4.08	4.34	4.30	4.28	4.30
Total Exports	\$5.63	3.41	4.30	4.21	3.72	3.37
Net Imports - Volume	\$289,547	3,491,283	314,278	275,436	300,798	288,431

See footnotes at end of table.

Table 5

Table 5. U.S. Natural Gas Imports and Exports, 2001-2003

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

	2002					
	June	May	April	March	February	January
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	291,606	290,759	297,315	321,851	297,023	333,825
Mexico	0	0	0	0	798	956
Total Pipeline Imports	291,606	290,759	297,315	321,851	297,821	334,781
LNG						
Algeria	4,665	7,344	1,912	0	0	2,726
Australia	0	0	0	0	0	0
Brunei	0	2,401	0	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	2,423	0	0	0	0
Nigeria	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Qatar	13,903	5,612	5,030	0	0	0
Trinidad	7,256	10,312	10,271	10,151	7,571	5,318
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	25,824	28,092	17,213	10,151	7,571	8,043
Total Imports	317,431	318,851	314,528	332,003	305,392	342,825
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	3.06	3.24	3.28	2.61	2.29	2.70
Mexico	-	-	-	-	2.09	2.58
Total Pipeline Imports	3.06	3.24	3.28	2.61	2.29	2.70
LNG						
Algeria	3.60	3.43	3.18	-	-	3.77
Australia	-	-	-	-	-	-
Brunei	-	2.82	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	3.43	-	-	-	-
Nigeria	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	3.43	3.45	3.03	-	-	-
Trinidad	3.18	3.23	3.09	2.68	3.00	3.71
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	3.39	3.31	3.08	2.68	3.00	3.73
Total Imports	3.09	3.25	3.27	2.61	2.31	2.72
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	14,379	14,777	12,619	14,270	15,822	16,274
Mexico	24,948	22,799	19,122	18,213	10,770	12,562
Total Pipeline Exports	39,327	37,576	31,740	32,483	26,591	28,835
LNG						
Japan	5,586	1,853	7,427	5,619	3,755	5,605
Mexico	25	30	26	39	37	51
Total LNG Exports	5,612	1,882	7,454	5,658	3,792	5,656
Total Exports	44,939	39,459	39,194	38,141	30,383	34,491
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	3.26	3.33	3.38	2.43	2.15	2.61
Mexico	3.14	3.27	3.52	2.70	2.25	2.66
Total Pipeline Exports	3.18	3.29	3.46	2.58	2.19	2.63
LNG						
Japan	3.84	3.76	3.67	3.73	4.02	4.26
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	3.85	3.79	3.68	3.74	4.04	4.27
Total Exports	3.27	3.32	3.50	2.75	2.42	2.90
Net Imports - Volume	272,492	279,392	275,334	293,862	275,009	308,333

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports and Exports, 2001-2003

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

	2001					
	Total	December	November	October	September	August
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	3,728,537	293,640	283,035	314,389	293,037	334,220
Mexico	10,276	2,821	160	0	0	0
Total Pipeline Imports	3,738,814	296,461	283,195	314,389	293,037	334,220
LNG						
Algeria	64,945	5,237	2,510	2,491	5,087	5,058
Australia	2,394	0	0	0	0	1,207
Brunei	0	0	0	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0
Nigeria	37,966	0	0	0	4,955	2,606
Oman	12,055	0	0	0	1,635	2,728
Qatar	22,758	0	0	0	4,919	0
Trinidad	98,009	7,975	5,340	9,234	5,230	7,519
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	238,126	13,212	7,850	11,725	21,827	19,118
Total Imports	3,976,939	309,673	291,044	326,114	314,864	353,338
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	4.43	2.68	2.95	2.13	2.58	3.11
Mexico	5.00	2.44	2.04	-	-	-
Total Pipeline Imports	4.44	2.67	2.95	2.13	2.58	3.11
LNG						
Algeria	3.73	2.68	2.25	2.48	2.75	2.74
Australia	3.86	-	-	-	-	3.92
Brunei	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-
Nigeria	5.56	-	-	-	3.30	2.99
Oman	5.56	-	-	-	4.65	4.99
Qatar	4.37	-	-	-	3.24	-
Trinidad	4.14	3.12	3.19	2.18	3.67	3.60
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	4.35	2.95	2.89	2.24	3.35	3.51
Total Imports	4.43	2.68	2.95	2.14	2.63	3.14
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	166,690	25,165	20,659	10,907	10,030	7,567
Mexico	140,370	10,751	15,489	15,920	17,776	15,682
Total Pipeline Exports	307,060	35,916	36,149	26,827	27,806	23,248
LNG						
Japan	65,753	5,602	5,644	7,576	5,676	5,684
Mexico	465	46	47	49	35	33
Total LNG Exports	66,218	5,648	5,692	7,625	5,711	5,717
Total Exports	373,278	41,564	41,840	34,452	33,517	28,965
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	3.97	2.51	3.09	2.22	2.46	3.19
Mexico	4.34	2.55	2.98	2.29	2.45	3.32
Total Pipeline Exports	4.14	2.52	3.04	2.26	2.45	3.28
LNG						
Japan	4.39	4.29	4.29	4.41	4.39	4.29
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	4.40	4.30	4.30	4.41	4.40	4.30
Total Exports	4.19	2.76	3.21	2.74	2.79	3.48
Net Imports - Volume	3,603,661	268,109	249,204	291,662	281,347	324,373

^a Beginning with data for January 2001, EIA is reducing the reported volume of gas imported by pipeline from Canada by the amount of natural gas liquids removed from the saturated natural gas carried by Alliance Pipeline. Alliance moves saturated natural gas from the border to a processing plant in Illinois. After the adjustment, volumes of imported natural gas on this pipeline are on the same physical basis as other reported volumes of pipeline imports.

^e Estimated Data.

NA Not Available.

— Not Applicable.

Sources: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," and EIA estimates of dry natural gas imports. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6

Table 6. Summary of U.S. Natural Gas Imports and Exports, 1997-2001

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

	1997	1998	1999	2000	2001
Imports					
Volume (million cubic feet)					
Pipeline					
Canada	2,899,152	3,052,073	3,367,545	3,543,966	^a 3,728,537
Mexico	17,243	14,532	54,530	11,601	10,276
Total Pipeline Imports	2,916,394	3,066,605	3,422,075	3,555,567	3,738,814
LNG					
Algeria	65,675	68,567	75,763	46,947	64,945
Australia	9,686	11,634	11,904	5,945	2,394
Brunei	0	0	0	0	0
Indonesia	0	0	0	2,760	0
Malaysia	0	0	2,576	0	0
Nigeria	0	0	0	12,654	37,966
Oman	0	0	0	9,998	12,055
Qatar	0	0	19,697	46,057	22,758
Trinidad	0	0	50,777	98,949	98,009
United Arab Emirates	2,417	5,252	2,713	2,725	0
Total LNG Imports	77,778	85,453	163,430	226,036	238,126
Total Imports	2,994,173	3,152,058	3,585,505	3,781,603	3,976,939
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada	2.15	1.95	2.23	3.97	4.43
Mexico	2.31	2.03	2.14	5.43	5.00
Total Pipeline Imports	2.15	1.95	2.23	3.98	4.44
LNG					
Algeria	2.67	2.51	2.41	3.48	3.73
Australia	2.92	3.30	2.70	3.25	3.86
Brunei	-	-	-	-	-
Indonesia	-	-	-	3.99	-
Malaysia	-	-	2.36	-	-
Nigeria	-	-	-	4.37	5.56
Oman	-	-	-	3.36	5.56
Qatar	-	-	2.71	3.44	4.37
Trinidad	-	-	2.39	3.43	4.14
United Arab Emirates	3.74	2.63	3.03	3.53	-
Total LNG Imports	2.74	2.63	2.47	3.50	4.35
Total Imports	2.17	1.97	2.24	3.95	4.43
Exports					
Volume (million cubic feet)					
Pipeline					
Canada	56,447	39,891	38,508	72,586	166,690
Mexico	38,372	53,133	61,025	105,102	140,370
Total Pipeline Exports	94,818	93,023	99,533	177,688	307,060
LNG					
Japan	62,187	65,951	63,607	65,610	65,753
Mexico	0	33	275	418	465
Total LNG Exports	62,187	65,984	63,882	66,028	66,218
Total Exports	157,006	159,007	163,415	243,716	373,278
Average Price dollars per thousand cubic feet)					
Pipeline					
Canada	2.52	2.25	2.35	3.66	3.97
Mexico	2.46	2.04	2.27	4.26	4.34
Total Pipeline Exports	2.49	2.13	2.30	4.01	4.14
LNG					
Japan	3.83	2.91	3.08	4.31	4.39
Mexico	-	5.69	6.95	5.82	5.82
Total LNG Exports	3.83	2.91	3.10	4.31	4.40
Total Exports	3.02	2.45	2.61	4.10	4.19
Net Imports - Volume	2,837,167	2,993,051	3,422,090	3,537,887	3,603,661

^a Beginning with data for January 2001, EIA is reducing the reported volume of gas imported by pipeline from Canada by the amount of natural gas liquids removed from the saturated natural gas carried by Alliance Pipeline. Alliance moves saturated natural gas from the border to a processing plant in Illinois. After the adjustment, volumes of imported natural gas on this pipeline are on

the same physical basis as other reported volumes of pipeline imports.

— Not Applicable.

Sources: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," and EIA estimates of dry natural gas imports. LNG data: Industry reports.

**Table 7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico,
1997-2003**
(Million Cubic Feet)

Year and Month	Alabama	Alaska	Arizona	California	Colorado	Florida	Kansas
1997 Total	388,596	468,311	452	285,690	637,375	6,114	687,215
1998 Total	392,394	466,648	457	315,277	696,321	5,796	603,586
1999 Total	381,701	462,967	474	382,715	722,738	5,933	553,419
2000 Total	363,467	458,995	368	376,580	752,985	6,491	525,729
2001							
January	30,460	43,493	31	31,909	67,774	498	45,297
February	27,096	39,459	28	27,787	60,001	488	38,003
March	29,918	43,641	31	30,312	65,317	587	41,029
April	28,864	38,225	32	29,074	60,134	520	39,827
May	29,742	34,303	28	31,230	61,348	513	40,035
June	28,993	36,875	25	30,568	59,612	413	40,304
July	30,616	36,548	26	32,970	57,369	471	40,127
August	30,999	36,804	24	33,137	54,463	464	39,822
September	30,101	38,041	22	32,377	53,484	484	38,427
October	30,194	40,559	20	33,725	51,818	386	39,337
November	29,379	40,007	15	32,455	52,383	413	38,254
December	30,446	43,487	25	32,281	52,534	472	39,682
Total	356,810	471,440	307	377,824	696,237	5,710	480,145
2002							
January	29,824	42,257	26	30,928	E54,022	342	39,644
February	27,219	38,966	23	28,337	E50,723	256	35,325
March	29,303	41,993	26	31,562	E52,656	386	38,902
April	28,624	40,086	23	29,413	E49,867	291	38,190
May	28,908	35,924	23	30,596	E52,315	296	39,173
June	28,600	37,109	24	30,261	E49,327	287	38,427
July	29,707	36,269	29	30,268	E50,100	266	38,173
August	31,095	37,345	28	30,113	E49,891	243	38,316
September	30,166	34,764	28	29,438	E48,500	251	35,797
October	31,594	39,274	25	30,213	E49,250	241	36,654
November	30,465	38,823	23	29,800	E48,905	213	35,522
December	30,556	41,860	23	29,631	E49,828	271	36,679
Total	356,061	464,669	301	360,559	E605,384	3,343	450,801
2003							
January	30,763	42,229	22	29,894	E52,096	236	35,969
February	28,063	38,442	21	27,119	E47,603	E200	32,178
2003 YTD	58,827	80,670	43	57,013	E99,699	E436	68,147
2002 YTD	57,043	81,223	50	59,265	E104,745	597	74,969
2001 YTD	57,556	82,951	59	59,695	127,776	986	83,301

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico,**1997-2003**

(Million Cubic Feet) — Continued

Year and Month	Louisiana	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1997 Total	1,505,014	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998 Total	1,551,979	278,076	108,068	57,645	1,501,098	53,185	1,669,367
1999 Total	1,566,916	277,364	111,021	61,163	1,511,671	52,862	1,594,002
2000 Total	1,455,014	296,556	88,558	69,936	1,695,295	52,426	1,612,890
2001							
January	124,371	27,356	8,958	6,988	143,955	4,517	133,934
February	115,943	13,501	7,749	6,379	131,899	4,014	122,434
March	137,930	29,663	8,398	6,996	144,915	4,548	138,604
April	125,073	20,073	9,892	6,538	140,422	4,566	136,210
May	129,537	35,940	10,332	6,767	143,332	4,825	145,606
June	123,492	17,781	8,440	6,252	134,107	4,357	135,712
July	127,806	19,992	9,313	6,856	143,117	4,649	136,425
August	127,732	26,811	9,494	6,785	144,951	4,753	138,939
September	121,068	14,352	8,341	6,655	138,332	4,501	133,915
October	124,105	29,330	9,074	7,027	142,921	4,581	137,551
November	121,862	24,137	8,353	6,690	138,713	4,648	121,359
December	123,904	16,099	9,196	7,465	142,462	4,773	134,696
Total	1,502,825	275,036	107,541	81,397	1,689,125	54,732	1,615,384
2002							
January	€130,293	34,593	9,510	7,569	137,980	4,763	€135,659
February	€117,759	13,357	8,688	6,715	124,271	4,263	€123,144
March	€131,632	31,113	9,016	7,131	137,618	4,712	€137,542
April	€127,233	17,564	8,706	6,993	129,207	4,617	€132,944
May	€131,815	29,128	9,321	6,969	133,492	4,910	€137,734
June	€127,281	17,707	9,065	6,641	128,333	4,628	€134,508
July	€130,232	34,483	9,067	6,746	134,156	4,766	€137,627
August	€130,449	13,999	9,443	6,697	134,938	4,865	€137,856
September	€125,736	18,812	10,110	7,033	130,590	5,270	€132,878
October	€130,200	29,817	10,172	7,192	128,319	4,852	€138,353
November	€126,707	16,082	9,464	7,154	131,131	4,627	€134,640
December	€128,432	18,708	10,250	7,442	129,093	4,726	€140,267
Total	€1,537,769	275,363	112,812	84,282	1,579,130	56,999	€1,623,152
2003							
January	€126,977	€24,403	10,990	6,902	€129,805	4,607	€141,591
February	€114,716	€12,589	9,530	6,546	118,977	4,132	€128,156
2003 YTD	€241,693	€36,992	20,519	13,449	248,782	8,739	€269,747
2002 YTD	€248,052	47,950	18,198	14,284	262,251	9,026	€258,803
2001 YTD	240,314	40,857	16,708	13,366	275,854	8,531	256,368

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico,**1997-2003**

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas	Utah	Wyoming	Other ^a States	Federal Gulf of Mexico	U.S. Total
1997 Total	1,173	5,167,334	257,139	738,368	736,679	5,206,023	19,866,093
1998 Total	1,067	5,227,477	277,340	903,836	775,235	5,076,496	19,961,348
1999 Total	1,291	5,054,486	262,614	971,230	800,579	5,029,704	19,804,848
2000 Total	1,214	5,282,104	269,285	1,088,328	866,902	4,934,387	20,197,511
2001							
January	113	453,761	24,309	115,164	74,256	429,097	1,766,240
February	108	405,927	22,368	102,340	69,441	393,225	1,588,190
March	116	452,870	24,876	117,096	75,503	444,720	1,797,070
April	102	437,448	24,381	111,892	68,266	423,729	1,705,270
May	97	454,780	24,261	111,550	70,562	427,550	1,762,339
June	89	447,818	23,502	110,206	70,260	424,375	1,703,182
July	93	451,766	22,972	113,632	68,704	427,025	1,730,477
August	89	456,137	22,826	113,800	71,233	422,735	1,741,997
September	80	443,384	22,649	114,681	69,916	408,368	1,679,177
October	80	463,530	23,854	121,347	75,235	420,719	1,755,393
November	68	440,679	23,337	116,972	69,974	406,663	1,676,363
December	76	452,048	24,578	115,198	78,142	417,151	1,724,715
Total	1,110	5,360,148	283,913	1,363,879	861,493	5,045,357	20,630,412
2002							
January	75	£442,832	24,544	117,851	£79,940	£375,638	£1,698,291
February	69	£393,418	22,492	109,212	£73,835	£338,819	£1,516,890
March	71	£442,965	24,655	118,039	£78,423	£386,080	£1,703,826
April	74	£429,360	23,114	115,733	£74,107	£377,724	£1,633,870
May	73	£448,105	23,968	120,648	£73,343	£399,564	£1,706,306
June	73	£437,640	22,596	116,345	£74,616	£399,273	£1,662,741
July	93	£449,035	23,215	120,006	£73,137	£412,913	£1,720,288
August	68	£448,785	23,713	114,873	£74,714	£415,006	£1,702,437
September	80	£423,542	22,197	117,216	£74,451	£339,167	£1,586,025
October	70	£450,709	23,940	124,690	£79,703	£313,546	£1,628,816
November	65	£438,289	23,622	128,412	£76,485	£405,000	£1,685,430
December	165	£447,127	24,092	133,666	£82,300	£408,871	£1,723,987
Total	978	£5,251,807	282,147	1,436,692	£915,055	£4,571,601	£19,968,906
2003							
January	£168	£447,039	£23,759	132,380	£83,288	£408,739	£1,731,857
February	£152	£405,902	21,511	138,941	£78,139	£360,164	£1,573,080
2003 YTD	£319	£852,941	45,270	271,321	£161,427	£768,903	£3,304,937
2002 YTD	144	£836,250	47,035	227,062	£153,775	£714,457	£3,215,180
2001 YTD	220	859,689	46,677	217,504	143,697	822,322	3,354,430

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia, and West Virginia. The 2002 and later data monthly values for these States are estimated.

R Revised Data.

E Estimated Data.

RE Revised Estimated Data.

Notes: Data for 1997 through 2001 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 2 for discussion of computation procedures and revision policy.

Sources: 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001* and Minerals Management Service reports. January 2002 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 and Federal Gulf of Mexico, February 2003
(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro-carbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	29,367	465	29,832	292	1,335	142	28,063
Alaska	16,092	283,540	299,632	260,705	0	485	38,442
Arizona	21	0	21	0	0	0	21
California	7,364	21,961	29,325	1,794	277	135	27,119
Colorado	€41,405	€6,740	€48,145	€482	0	€60	€47,603
Florida	0	226	226	0	€26	0	€200
Kansas	32,265	0	32,265	55	0	32	32,178
Louisiana	€98,379	€18,111	€116,491	€979	€0	€795	€114,716
Michigan	€10,246	€2,561	€12,807	€90	0	€128	€12,589
Mississippi	11,603	434	12,037	507	1,740	261	9,530
Montana	6,007	566	6,573	0	0	27	6,546
New Mexico	103,761	16,108	119,869	752	0	140	118,977
North Dakota	1,092	3,219	4,312	0	10	170	4,132
Oklahoma	€115,856	€12,300	€128,156	0	0	0	€128,156
Oregon	€152	0	€152	0	0	0	€152
Texas	€364,026	€88,084	€452,110	€34,054	€10,273	€1,881	€405,902
Utah	19,862	2,387	22,249	0	0	737	21,511
Wyoming	151,259	17,282	168,540	10,382	17,954	1,264	138,941
Other States	€76,316	€2,437	€78,753	0	€456	€158	€78,139
Federal Gulf of Mexico	€360,164	€0	€360,164	€0	€0	€0	€360,164
Total	€1,445,237	€476,421	€1,921,659	€310,093	€32,071	€6,414	€1,573,080

^a See Appendix A, Explanatory Note 2, 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 2 for discussion of computation procedures and revision policy.

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

Table 9

Table 9. Underground Natural Gas Storage - All Operators, 1997-2003

(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
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 Total ^a	—	—	—	—	—	2,684	3,498	814
2001								
January	4,344	1,265	5,609	-495	-28.1	92	588	496
February	4,328	912	5,241	-391	-30.0	74	414	339
March	4,300	742	5,042	-412	-35.7	116	298	183
April	4,261	992	5,253	-210	-17.5	349	70	-279
May	4,309	1,440	5,749	7	0.5	520	41	-479
June	4,310	1,882	6,193	165	9.6	490	49	-441
July	4,315	2,261	6,576	258	12.9	451	66	-385
August	4,313	2,576	6,889	377	17.1	386	79	-307
September	4,318	2,944	7,262	450	18.0	413	41	-372
October	4,310	3,144	7,454	412	15.1	282	93	-190
November	4,301	3,254	7,555	812	33.2	210	138	-73
December	4,301	2,904	7,204	1,185	68.9	80	432	352
Total	—	—	—	—	—	3,464	2,309	-1,156
2002								
January	4,313	2,344	6,657	1,078	85.2	59	605	546
February	4,356	1,838	6,194	925	101.4	55	517	462
March	4,355	1,518	5,873	776	104.7	105	425	320
April	4,355	1,659	6,014	666	67.1	237	111	-126
May	4,361	1,968	6,329	528	36.7	381	58	-323
June	4,355	2,308	6,663	426	22.6	395	56	-339
July	4,358	2,539	6,896	278	12.3	341	101	-239
August	4,357	2,773	7,130	198	7.7	322	89	-234
September	4,342	3,042	7,384	97	3.3	364	72	-292
October	4,342	3,116	7,458	-28	-0.9	229	145	-84
November	4,344	2,929	7,273	-325	-10.0	124	322	198
December	4,340	2,375	6,715	-528	-18.2	66	624	558
Total	—	—	—	—	—	2,679	3,126	447
2003								
January	4,342	1,534	5,876	-810	-34.5	44	886	841
February	4,334	864	5,198	-974	-53.0	48	723	676
March	4,324	735	5,059	-783	-51.6	169	303	134
April	4,315	900	5,215	-759	-45.7	278	118	-160

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; 2000 - 8,241; and 2001 - 8,415.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

— Not Applicable.

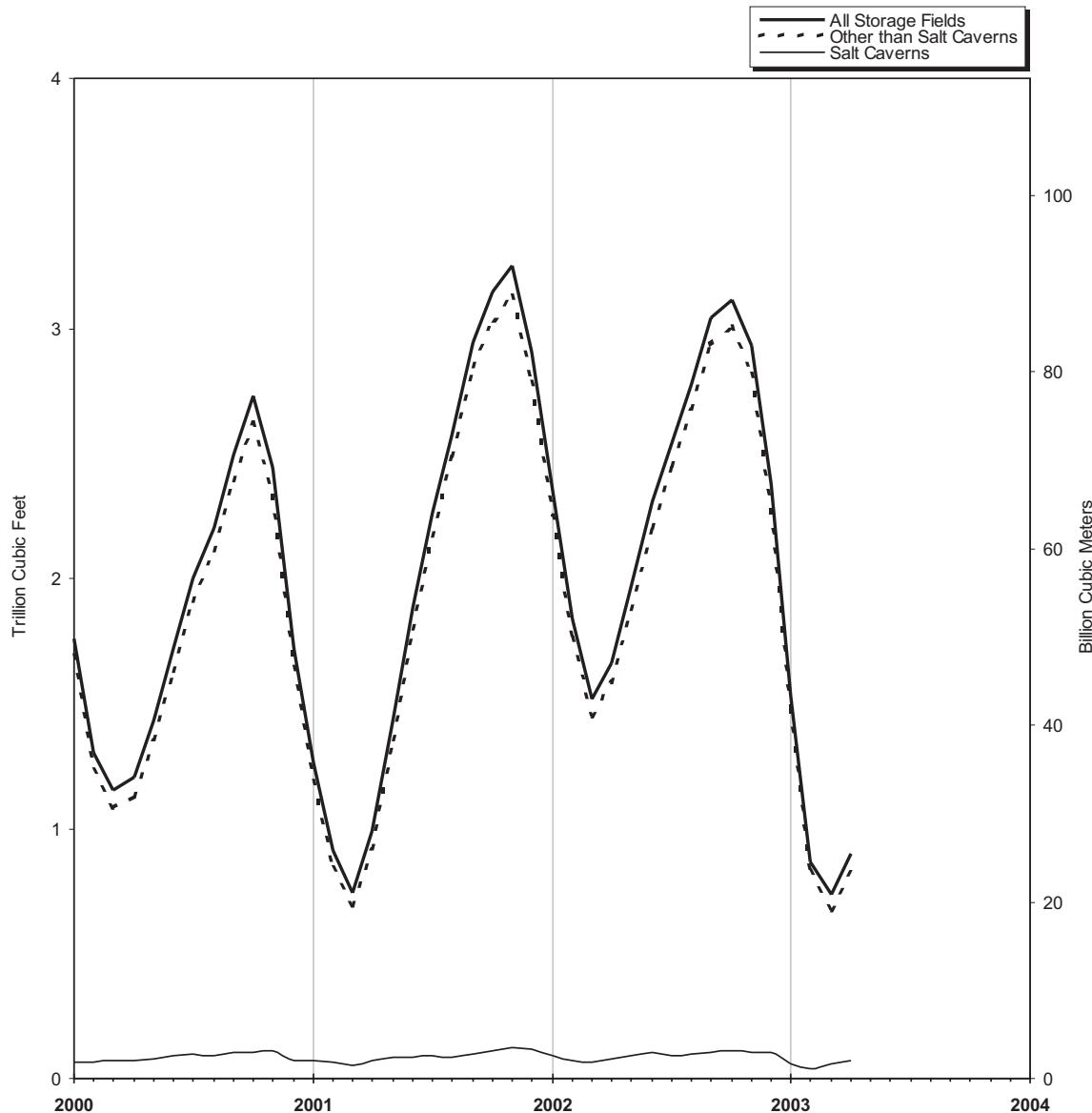
Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion

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., 2000-2003



Sources: Tables 10, 11 and 12.

Table 10. Underground Natural Gas Storage - by Season, 2000-2003
(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 2000	4,360	2,732	7,092	-345	-11.1	329	88	-241
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	92	588	496
February	4,328	912	5,241	-391	-30.0	74	414	339
March	4,300	742	5,042	-412	-35.7	116	298	183
Total	—	—	—	—	—	455	2,481	2,026
2001 Refill Season								
April	4,261	992	5,253	-210	-17.5	349	70	-279
May	4,309	1,440	5,749	7	0.5	520	41	-479
June	4,310	1,882	6,193	165	9.6	490	49	-441
July	4,315	2,261	6,576	258	12.9	451	66	-385
August	4,313	2,576	6,889	377	17.1	386	79	-307
September	4,318	2,944	7,262	450	18.0	413	41	-372
October	4,310	3,144	7,454	412	15.1	282	93	-190
Total	—	—	—	—	—	2,892	439	-2,453
2001-2002 Heating Season								
November	4,301	3,254	7,555	812	33.2	210	138	-73
December	4,301	2,904	7,204	1,185	68.9	80	432	352
January	4,313	2,344	6,657	1,078	85.2	59	605	546
February	4,356	1,838	6,194	925	101.4	55	517	462
March	4,355	1,518	5,873	776	104.7	105	425	320
Total	—	—	—	—	—	510	2,117	1,607
2002 Refill Season								
April	4,355	1,659	6,014	666	67.1	237	111	-126
May	4,361	1,968	6,329	528	36.7	381	58	-323
June	4,355	2,308	6,663	426	22.6	395	56	-339
July	4,358	2,539	6,896	278	12.3	341	101	-239
August	4,357	2,773	7,130	198	7.7	322	89	-234
September	4,342	3,042	7,384	97	3.3	364	72	-292
October	4,342	3,116	7,458	-28	-0.9	229	145	-84
Total	—	—	—	—	—	2,269	633	-1,636
2002-2003 Heating Season								
November	4,344	2,929	7,273	-325	-10.0	124	322	198
December	4,340	2,375	6,715	-528	-18.2	66	624	558
January	4,342	1,534	5,876	-810	-34.5	44	886	841
February	4,334	864	5,198	-974	-53.0	48	723	676
March	4,324	735	5,059	-783	-51.6	169	303	134
Total	—	—	—	—	—	451	2,858	2,407
2003 Refill Season								
April	4,315	900	5,215	-759	-45.7	278	118	-160

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

— Not Applicable.

Notes: Data through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 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

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1997-2003
 (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
1997 Total ^a	—	—	—	—	—	267	274	6
1998 Total ^a	—	—	—	—	—	297	275	-22
1999 Total ^a	—	—	—	—	—	260	259	-1
2000 Total ^a	—	—	—	—	—	296	320	24
2001								
January	71	73	144	9	13.5	32	30	-2
February	69	67	136	1	1.1	19	24	5
March	69	53	122	-16	-23.6	20	35	15
April	69	71	140	-3	-4.4	32	15	-17
May	71	85	156	8	10.4	30	14	-15
June	71	85	155	-5	-5.1	26	26	0
July	71	89	160	-8	-8.4	30	27	-3
August	71	86	157	-2	-2.7	29	30	1
September	71	100	171	0	-0.3	35	19	-16
October	71	108	180	1	0.8	35	25	-10
November	77	123	200	13	11.6	35	21	-14
December	77	115	191	43	59.4	19	28	9
Total	—	—	—	—	—	341	294	-47
2002								
January	77	93	170	19	26.2	24	46	22
February	77	74	151	7	10.9	20	38	18
March	77	65	142	12	22.3	27	36	9
April	77	77	154	6	8.1	29	17	-12
May	77	93	171	8	9.7	35	19	-16
June	77	104	181	19	22.2	32	21	-10
July	80	91	171	2	2.7	29	36	7
August	80	96	176	10	11.3	32	27	-5
September	81	102	184	2	2.2	34	27	-7
October	82	108	190	0	0.1	38	31	-7
November	75	106	181	-18	-14.3	29	28	0
December	75	102	177	-13	-10.9	30	35	4
Total	—	—	—	—	—	359	361	2
2003								
January	76	56	133	-36	-39.1	21	65	43
February	76	38	114	-37	-49.3	25	42	18
March	75	57	132	-8	-11.7	39	21	-18
April	75	72	147	-5	-6.1	34	19	-14

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 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, 1997-2003
 (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
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 Total^a	—	—	—	—	—	2,388	3,178	790
2001								
January	4,273	1,192	5,465	-504	-29.7	60	558	498
February	4,259	846	5,105	-392	-31.5	55	389	334
March	4,232	688	4,920	-396	-36.3	96	264	168
April	4,192	921	5,113	-208	-17.0	317	55	-262
May	4,239	1,355	5,594	-1	0.4	490	26	-464
June	4,239	1,798	6,037	171	11.2	464	23	-441
July	4,245	2,172	6,417	266	14.4	421	39	-382
August	4,242	2,490	6,732	380	18.5	358	49	-308
September	4,247	2,844	7,091	450	19.9	378	22	-356
October	4,238	3,036	7,274	411	15.7	248	68	-180
November	4,224	3,131	7,354	799	34.3	176	117	-59
December	4,224	2,789	7,013	1,142	69.3	61	404	343
Total	—	—	—	—	—	3,123	2,015	-1,108
2002								
January	4,236	2,251	6,487	1,059	88.8	36	560	524
February	4,279	1,764	6,043	918	108.6	35	479	444
March	4,278	1,453	5,731	764	111.0	78	389	311
April	4,278	1,582	5,860	661	71.7	208	94	-114
May	4,284	1,875	6,159	520	38.4	346	39	-307
June	4,278	2,205	6,483	407	22.6	363	35	-328
July	4,278	2,448	6,725	275	12.7	312	65	-247
August	4,277	2,678	6,954	188	7.5	290	62	-228
September	4,261	2,939	7,201	95	3.3	330	45	-285
October	4,260	3,008	7,268	-28	-0.9	191	114	-77
November	4,269	2,823	7,092	-308	-9.8	95	293	198
December	4,265	2,273	6,539	-516	-18.5	36	590	554
Total	—	—	—	—	—	2,320	2,765	445
2003								
January	4,265	1,478	5,743	-773	-34.3	23	821	798
February	4,258	826	5,084	-938	-53.2	23	681	658
March	4,249	678	4,926	-775	-53.4	130	282	153
April	4,241	828	5,068	-754	-47.7	244	99	-145

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 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

Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003

(Volumes in Million Cubic Feet)

State	2003				2002		
	April	March	February	January	Total	December	November
Alabama	-797	-456	-420	1,789	-560	142	-396
Arkansas	-209	341	1,409	1,836	369	870	164
California	-13,402	10,536	49,464	33,248	15,006	42,090	-3,132
Colorado	773	2,924	8,432	4,213	1,136	2,050	-216
Illinois	-8,980	11,028	50,338	70,407	18,753	52,256	19,257
Indiana	158	1,946	5,301	7,519	1,502	3,787	-35
Iowa	-80	4,895	13,459	21,778	4,260	19,193	-3,202
Kansas	-521	-4,997	20,396	25,657	18,212	15,396	10,896
Kentucky	-2,675	3,213	17,123	21,305	9,663	9,187	4,857
Louisiana	-11,766	7,692	55,201	66,838	35,910	33,271	30,071
Maryland	-750	-124	4,003	4,738	-701	416	80
Michigan	-20,439	42,692	128,637	157,642	100,037	97,960	46,438
Minnesota	0	199	504	659	4	6	-85
Mississippi	-1,746	-8,327	7,791	16,204	2,987	3,567	-381
Missouri	445	170	555	1,218	-413	-118	-272
Montana	-179	3,666	4,732	4,353	-5,924	3,473	1,917
Nebraska	-248	504	1,512	1,170	1,104	762	55
New Mexico	-471	184	1,728	424	8,646	1,915	1,324
New York	-6,129	5,993	17,730	22,151	12,907	15,589	3,803
Ohio	-9,789	10,463	43,314	62,002	27,849	46,655	17,321
Oklahoma	-9,198	13,335	32,780	38,560	36,056	22,334	9,679
Oregon	1,174	2,426	2,367	2,570	-1,684	1,198	-918
Pennsylvania	-15,724	9,238	77,271	119,623	50,587	75,625	9,413
Tennessee	0	68	110	62	69	0	88
Texas	-32,473	5,851	72,434	77,260	71,631	51,254	31,438
Utah	-7,759	1,240	8,305	7,036	-2,187	7,272	3,375
Virginia	-268	179	496	978	393	488	274
Washington	-412	-624	7,520	3,221	-362	1,092	-1,335
West Virginia	-16,008	5,161	37,668	61,978	43,394	44,494	14,592
Wyoming	-2,118	4,899	5,576	4,741	-1,250	5,800	2,629
AGA Regions							
Producing	-57,180	13,624	191,320	228,568	173,250	128,748	82,796
Eastern Consuming	-80,488	95,425	397,516	552,572	269,404	366,294	112,668
Western Consuming	-21,924	25,265	86,900	60,042	4,737	62,981	2,236
Total	-159,592	134,315	675,736	841,183	447,391	558,024	197,700

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003
 (Volumes in Million Cubic Feet) — Continued

State	2002						
	October	September	August	July	June	May	April
Alabama	-128	-64	-97	-250	2	-100	-257
Arkansas	-19	-393	-390	-340	-463	-504	-47
California	-8,108	-4,707	300	-7,074	-12,551	-20,711	-20,680
Colorado	860	-4,010	-6,603	-3,949	-3,290	700	-2,247
Illinois	-29,678	-38,523	-36,355	-28,449	-37,470	-26,234	8,790
Indiana	-2,819	-3,096	-2,706	-3,524	-2,988	-1,452	1,997
Iowa	-12,941	-12,563	-12,477	-12,189	-4,981	-701	363
Kansas	2,224	-11,061	-9,211	-2,974	-11,587	-17,806	-6,721
Kentucky	-1,870	-6,208	-5,606	-4,142	-7,907	-9,766	400
Louisiana	-6,114	-37,513	-13,157	-6,555	-19,113	-33,062	-11,352
Maryland	143	44	-2,104	-2,618	-2,504	-780	427
Michigan	-12,987	-49,663	-54,020	-51,389	-58,362	-39,468	-10,433
Minnesota	-198	-299	-288	-276	0	0	134
Mississippi	1,973	89	-4,789	-2,822	-6,879	-8,184	-1,528
Missouri	-294	-781	-1,096	18	13	10	215
Montana	69	-4,292	-5,185	-6,590	-3,915	-1,879	707
Nebraska	0	-922	-705	238	-601	-1,036	-261
New Mexico	706	-486	755	366	1,211	-1,304	87
New York	-1,638	-5,554	-5,554	-7,710	-11,015	-6,751	-1,459
Ohio	-6,959	-22,382	-27,004	-30,971	-32,067	-25,799	-9,911
Oklahoma	3,302	-6,868	2,172	-985	-13,006	-25,468	-13,141
Oregon	-503	-690	-2,120	-2,679	-3,182	491	1,648
Pennsylvania	-4,996	-37,856	-24,677	-29,850	-49,766	-41,830	-16,389
Tennessee	2	3	4	15	2	7	0
Texas	-9,965	-19,950	9,023	-142	-14,881	-23,862	-25,965
Utah	401	-3,633	-6,336	-6,807	-7,112	-7,913	-3,510
Virginia	-222	-301	-146	-274	-289	-537	-160
Washington	1,698	-1,487	-956	-620	-2,918	-4,057	-3,810
West Virginia	3,632	-16,735	-20,483	-22,527	-29,037	-22,101	-10,731
Wyoming	291	-1,837	-3,702	-4,164	-3,920	-2,877	-2,081
AGA Regions							
Producing	-8,020	-76,245	-15,694	-13,701	-64,716	-110,290	-58,923
Eastern Consuming	-70,626	-194,538	-192,929	-193,372	-236,972	-176,437	-37,154
Western Consuming	-5,490	-20,955	-24,891	-32,159	-36,888	-36,245	-29,838
Total	-84,135	-291,738	-233,514	-239,233	-338,575	-322,972	-125,916

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003

(Volumes in Million Cubic Feet) — Continued

State	2002			2001			
	March	February	January	Total	December	November	October
Alabama	271	108	210	-1,499	-14	-522	-293
Arkansas	235	770	486	-2,874	513	-87	-338
California	5,245	4,939	39,393	-64,674	25,035	616	-14,716
Colorado	5,766	7,182	4,892	-7,080	1,520	-106	706
Illinois	26,990	49,634	58,536	-25,587	46,435	-726	-25,879
Indiana	3,589	4,666	4,084	-5,910	3,832	-2,310	-4,094
Iowa	7,122	15,015	21,622	-21,435	17,655	-3,054	-11,915
Kansas	12,651	17,130	19,274	-45,586	12,165	-4,343	-1,160
Kentucky	10,669	11,384	8,665	-38,209	6,123	-52	-5,254
Louisiana	18,770	39,103	41,561	-150,239	23,713	-20,241	-11,123
Maryland	2,121	1,352	2,722	-5,307	1,508	-71	-1,349
Michigan	74,426	73,014	84,521	-203,022	65,526	-8,403	-41,694
Minnesota	375	332	304	-713	3	-135	-174
Mississippi	4,016	8,337	9,588	-20,286	4,212	-2,502	1,082
Missouri	1,089	825	-24	-799	266	-255	-247
Montana	3,605	2,765	3,400	-9,198	3,874	496	-1,576
Nebraska	1,628	679	1,267	-2,349	831	-45	-361
New Mexico	1,131	1,655	1,285	-9,425	651	-1,107	-206
New York	7,783	10,978	14,435	-17,144	8,569	-1,338	-3,375
Ohio	33,060	44,426	41,480	-62,723	30,969	2,925	-9,862
Oklahoma	13,099	20,976	23,962	-87,215	11,048	-2,691	-3,992
Oregon	2,859	787	1,424	-2,619	1,572	-766	0
Pennsylvania	46,264	62,974	61,675	-93,763	48,276	-9,610	-18,104
Tennessee	-1	-1	-50	-337	1	-30	-100
Texas	10,269	27,590	36,821	-172,746	-55	-15,137	-21,142
Utah	2,811	7,407	11,857	-12,738	9,554	3,157	-291
Virginia	383	677	500	-1,341	277	-27	-32
Washington	849	4,145	7,037	-2,821	-102	145	1,030
West Virginia	20,896	39,632	41,761	-79,233	25,054	-5,366	-12,943
Wyoming	2,175	3,197	3,239	-8,701	2,853	-1,031	-2,112
AGA Regions							
Producing	60,442	115,667	133,186	-489,871	52,233	-46,629	-37,173
Eastern Consuming	236,020	315,254	341,195	-557,160	255,322	-28,361	-135,210
Western Consuming	23,685	30,755	71,547	-108,544	44,308	2,376	-17,133
Total	320,146	461,676	545,928	-1,155,575	351,862	-72,614	-189,516

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003
 (Volumes in Million Cubic Feet) — Continued

State	2001					
	September	August	July	June	May	April
Alabama	-366	-113	-154	-576	44	-195
Arkansas	-579	-505	-740	-879	-992	-603
California	-9,559	-11,195	-21,278	-29,695	-29,927	-17,513
Colorado	-5,115	-4,593	-4,214	-4,099	-2,326	631
Illinois	-33,020	-23,439	-20,310	-25,516	-30,499	-12,124
Indiana	-4,087	-2,954	-3,719	-3,189	-1,382	1,382
Iowa	-13,993	-13,804	-10,345	-6,250	-5,752	-3,039
Kansas	-17,194	-7,456	-6,314	-13,667	-14,194	-11,148
Kentucky	-9,115	-6,489	-10,109	-13,052	-12,071	-4,201
Louisiana	-34,949	-13,447	-28,898	-42,731	-40,248	-21,920
Maryland	-1,221	409	-2,644	-3,170	-2,714	-1,468
Michigan	-75,897	-79,599	-87,304	-81,678	-72,160	-36,343
Minnesota	-232	-266	-329	-319	-152	21
Mississippi	-4,069	-1,981	-5,353	-6,263	-9,215	-8,549
Missouri	-348	-589	13	-1,063	17	-43
Montana	-4,853	-4,966	-5,524	-4,034	-2,902	-5
Nebraska	-1,250	-364	-339	-956	-1,908	-1,077
New Mexico	-932	6	83	-430	-2,718	-1,640
New York	-6,342	-6,260	-10,236	-11,216	-13,547	-6,631
Ohio	-26,448	-32,365	-37,999	-32,405	-33,196	-15,810
Oklahoma	-17,988	-8,939	-13,729	-28,981	-35,265	-26,701
Oregon	-845	-1,860	-2,295	-2,561	-2,151	810
Pennsylvania	-39,316	-25,643	-51,167	-55,953	-67,098	-43,294
Tennessee	-62	-47	-63	-31	-113	-103
Texas	-28,804	-23,960	-20,644	-34,494	-40,915	-42,953
Utah	-7,384	-5,941	-7,179	-6,356	-7,249	-4,432
Virginia	-271	-322	-244	-402	-532	-434
Washington	-1,450	-1,343	372	-200	-8,283	-2,300
West Virginia	-22,526	-25,976	-31,342	-28,873	-39,574	-18,286
Wyoming	-3,717	-3,169	-2,899	-1,812	-2,070	-1,080
AGA Regions						
Producing	-104,882	-56,394	-75,749	-128,023	-143,503	-113,709
Eastern Consuming	-233,897	-217,442	-265,806	-263,754	-280,526	-141,471
Western Consuming	-33,154	-33,334	-43,346	-49,075	-55,061	-23,869
Total	-371,933	-307,170	-384,901	-440,851	-479,091	-279,050

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 2001 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 EIA publishes weekly estimates of working gas in underground storage by geographical regions developed by the American Gas Association (AGA) when they published similar

weekly estimates. The AGA Producing Region is Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region is all States east of the Mississippi River less Mississippi and Alabama, plus Iowa, Nebraska and Missouri; the Western Consuming Region is 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, April 2003
 (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	2,225	2,410	4,635	304	14.4	938	141
Arkansas	22,000	8,715	2,993	11,708	-2,303	-43.5	447	238
California	474,920	233,462	101,758	335,220	-80,499	-44.2	17,150	3,748
Colorado	100,227	47,655	18,375	66,030	-1,985	-9.7	2,148	2,921
Illinois	898,565	666,338	80,514	746,852	2,552	3.3	17,209	8,229
Indiana	112,467	78,953	12,693	91,646	-2,276	-15.2	1,271	1,428
Iowa	273,200	199,550	7,113	206,663	1,977	38.5	1,935	1,855
Kansas	301,502	178,745	25,951	204,695	-17,323	-40.0	7,599	7,079
Kentucky	220,597	139,796	19,747	159,543	-17,634	-47.2	5,378	2,703
Louisiana	576,841	269,404	73,822	343,225	-91,881	-55.4	23,177	11,411
Maryland	62,000	46,677	5,973	52,650	-544	-8.3	2,397	1,647
Michigan	1,075,261	438,799	86,961	525,761	-187,824	-68.4	34,938	14,499
Minnesota	7,000	4,840	708	5,548	-301	-29.9	0	0
Mississippi	144,787	80,375	30,083	110,458	-2,010	-6.3	6,903	5,157
Missouri	31,992	21,600	8,097	29,697	131	1.6	0	445
Montana	374,125	179,451	15,145	194,596	3,909	34.8	3,032	2,853
Nebraska	39,469	26,995	2,122	29,117	-728	-25.5	478	229
New Mexico	96,600	29,766	7,491	37,257	-1,471	-16.4	1,107	637
New York	189,267	99,026	26,029	125,056	-11,617	-30.9	8,658	2,528
Ohio	575,959	347,790	23,565	371,355	-27,319	-53.7	16,195	6,407
Oklahoma	382,037	205,071	28,986	234,058	-63,227	-68.6	13,259	4,061
Oregon	22,042	9,714	4,115	13,829	678	19.7	0	1,174
Pennsylvania	950,148	339,482	97,142	436,623	-91,004	-48.4	36,836	21,112
Tennessee	1,200	340	226	566	-424	-65.2	0	0
Texas	723,922	236,159	125,265	361,424	-136,028	-52.1	44,758	12,286
Utah	129,480	64,703	28,348	93,051	11,929	72.7	7,985	226
Virginia	2,992	2,387	660	3,047	-430	-39.4	276	8
Washington	37,720	19,626	6,909	26,535	-1,842	-21.1	2,309	1,897
West Virginia	497,996	272,785	41,617	314,403	-36,199	-46.5	19,252	3,243
Wyoming	105,869	64,730	15,034	79,764	-5,299	-26.1	2,245	126
AGA Regions								
Producing	2,252,968	1,010,459	297,001	1,307,460	-313,940	-51.4	98,189	41,009
Eastern Consuming	4,931,114	2,680,519	412,459	3,092,978	-371,339	-47.4	144,822	64,334
Western Consuming	1,251,382	624,180	190,392	814,572	-73,411	-27.8	34,869	12,945
Total	8,435,463	4,315,157	899,852	5,215,010	-758,689	-45.7	277,881	118,289

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. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The EIA publishes weekly estimates of working gas in underground storage by geographical regions developed by the American Gas Association (AGA) when they published similar weekly estimates. The AGA Producing Region

is Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region is all States east of the Mississippi River less Mississippi and Alabama, plus Iowa, Nebraska and Missouri; the Western Consuming Region is 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, 2001-2003
(Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				March	February	January
Alabama	26,265	23,568	28,336	5,999	9,811	10,454
Alaska	5,966	6,308	5,531	2,046	1,705	2,216
Arizona	16,614	18,788	19,330	4,852	4,836	6,926
Arkansas	NA	20,350	20,233	NA	NA	NA
California	172,161	201,651	216,441	50,395	60,278	^R 61,487
Colorado	52,407	58,332	60,342	14,554	19,901	17,952
Connecticut	22,695	NA	20,714	5,900	8,437	8,359
Delaware	5,750	4,368	5,111	1,548	1,995	2,206
District of Columbia	7,806	5,959	7,326	1,714	2,677	3,415
Florida	7,550	6,362	7,442	1,614	2,867	3,069
Georgia	62,405	55,696	61,045	12,040	20,574	29,792
Hawaii	150	145	140	49	50	51
Idaho	8,276	9,689	9,347	2,480	2,765	3,030
Illinois	238,249	201,651	219,248	59,657	82,312	96,280
Indiana	83,356	70,325	79,886	18,731	29,190	35,434
Iowa	NA	32,736	39,067	10,447	NA	13,968
Kansas	NA	35,135	41,661	12,405	NA	16,114
Kentucky	33,786	27,638	30,790	6,923	12,058	14,805
Louisiana	NA	25,586	25,873	NA	NA	12,007
Maine	538	414	472	161	177	199
Maryland	45,762	34,463	40,744	11,517	16,217	18,028
Massachusetts	63,932	48,296	56,797	19,395	23,246	^R 21,290
Michigan	193,231	158,778	175,640	55,639	67,295	70,297
Minnesota	67,926	57,286	63,353	18,108	23,991	25,826
Mississippi	NA	13,943	16,208	NA	NA	5,600
Missouri	63,825	56,930	68,330	17,792	23,460	22,573
Montana	9,073	9,319	9,211	2,873	2,978	3,222
Nebraska	21,951	21,173	24,416	6,620	7,468	7,863
Nevada	14,053	15,239	14,939	4,059	4,563	5,431
New Hampshire	NA	3,034	3,448	1,220	1,433	NA
New Jersey	123,575	91,858	109,004	34,235	43,657	45,683
New Mexico	NA	17,206	19,187	NA	NA	NA
New York	NA	162,579	189,274	65,562	NA	71,105
North Carolina	36,339	29,354	31,968	8,559	13,197	14,583
North Dakota	5,756	5,053	4,916	1,663	1,970	2,122
Ohio	177,995	146,746	163,722	47,135	62,676	68,185
Oklahoma	35,031	34,448	38,202	10,481	^R 11,653	12,897
Oregon	16,024	17,834	17,309	4,992	5,064	5,968
Pennsylvania	139,441	104,748	128,328	38,646	49,505	51,289
Rhode Island	10,144	8,549	9,318	3,246	3,707	3,191
South Carolina	18,548	14,819	16,292	4,206	6,502	7,840
South Dakota	6,429	5,691	6,127	1,870	2,132	2,427
Tennessee	44,345	38,441	41,184	10,462	16,056	17,827
Texas	NA	102,345	110,785	28,672	NA	45,416
Utah	22,682	27,539	23,700	6,045	8,463	8,174
Vermont	1,567	1,206	1,410	483	580	504
Virginia	44,875	34,043	39,751	9,778	15,915	19,182
Washington	NA	32,430	30,951	9,371	NA	10,385
West Virginia	NA	16,162	16,981	NA	NA	NA
Wisconsin	69,193	59,299	65,917	17,965	23,499	27,729
Wyoming	5,386	NA	4,775	1,488	1,754	2,145
Total	2,510,826	2,195,804	2,440,523	675,567	^R882,969	^R952,290

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	Total	December	November	October	September	August
Alabama	44,311	7,294	2,750	1,166	1,075	1,067
Alaska	NA	2,144	1,448	1,255	856	612
Arizona	35,631	4,375	2,095	1,329	1,109	1,048
Arkansas	39,142	R ^a 5,753	R ^a 3,122	R ^a 1,220	R ^a 797	R ^a 783
California	R ^a 511,078	R ^a 65,607	36,675	31,457	23,154	23,498
Colorado	NA	19,113	15,201	9,670	3,487	2,491
Connecticut	NA	6,576	4,382	1,797	981	972
Delaware	9,105	1,492	823	262	171	162
District of Columbia	14,055	2,737	1,801	895	333	314
Florida	15,220	1,928	938	749	743	725
Georgia	127,872	25,175	15,904	5,610	3,679	3,598
Hawaii	539	48	46	36	44	42
Idaho	20,380	2,740	2,149	866	457	360
Illinois	465,543	74,419	52,978	29,433	10,088	9,170
Indiana	155,738	26,877	15,529	7,634	2,871	2,953
Iowa	71,486	11,126	7,625	3,960	1,417	1,408
Kansas	71,002	10,617	7,335	2,418	1,413	1,352
Kentucky	60,304	12,830	7,056	3,069	1,089	1,103
Louisiana	R ^a 52,775	8,047	R ^a 3,192	R ^a 1,914	1,737	1,646
Maine	NA	169	103	66	26	26
Maryland	80,447	16,143	9,715	5,034	1,931	1,640
Massachusetts	NA	NA	10,449	4,432	2,706	2,334
Michigan	364,741	56,234	37,918	17,768	7,238	6,428
Minnesota	NA	20,302	15,925	10,147	3,314	NA
Mississippi	NA	4,052	NA	769	683	682
Missouri	115,721	17,994	10,955	4,087	2,389	2,075
Montana	21,605	2,831	2,262	1,453	560	451
Nebraska	43,033	6,219	4,217	1,698	881	735
Nevada	32,003	4,226	2,603	1,428	1,081	940
New Hampshire	R ^a 6,978	R ^a 1,071	665	279	169	145
New Jersey	208,910	36,647	21,943	10,021	5,117	4,635
New Mexico	33,183	4,850	2,661	1,138	830	810
New York	375,601	54,155	33,846	15,993	9,721	9,188
North Carolina	58,973	10,941	6,327	2,060	1,045	889
North Dakota	NA	1,692	1,287	1,046	282	NA
Ohio	324,416	53,474	31,831	16,314	6,057	6,084
Oklahoma	R ^a 68,285	R ^a 9,806	R ^a 5,486	R ^a 1,871	R ^a 1,468	R ^a 1,700
Oregon	38,866	5,167	3,424	1,436	931	840
Pennsylvania	237,640	40,690	24,408	11,310	5,155	4,465
Rhode Island	R ^a 18,615	2,621	R ^a 1,580	625	431	424
South Carolina	27,757	5,315	2,040	610	499	482
South Dakota	12,861	1,693	1,487	930	284	239
Tennessee	71,279	12,749	5,712	1,860	1,131	1,089
Texas	NA	32,982	NA	9,325	6,207	6,400
Utah	58,895	8,257	6,702	4,475	2,001	1,412
Vermont	2,761	385	274	98	63	58
Virginia	77,001	15,315	9,465	4,325	1,585	1,635
Washington	73,752	9,204	6,861	3,158	1,893	1,675
West Virginia	32,550	5,256	3,325	1,541	544	444
Wisconsin	136,129	20,800	15,669	9,616	2,875	2,656
Wyoming	NA	1,844	1,372	885	396	183
Total	R^a4,918,107	R^a769,324	R^a489,711	R^a250,537	R^a124,997	R^a117,339

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	July	June	May	April	March	February
Alabama	1,094	1,376	1,606	3,315	7,033	7,640
Alaska	436	NA	989	1,453	2,185	1,998
Arizona	1,108	1,384	1,718	2,678	4,531	6,659
Arkansas	R835	R1,066	R1,510	R3,707	R6,174	R6,960
California	24,896	26,372	34,653	43,114	58,010	64,134
Colorado	2,556	2,635	5,094	NA	17,031	19,643
Connecticut	819	1,259	2,022	3,702	4,736	NA
Delaware	191	265	460	909	1,286	1,385
District of Columbia	314	347	559	798	1,648	1,988
Florida	779	836	909	1,252	1,954	1,893
Georgia	3,707	3,766	4,895	5,842	13,905	19,447
Hawaii	45	41	44	49	48	48
Idaho	391	697	1,237	1,795	2,797	3,442
Illinois	9,527	12,241	23,423	42,614	65,402	64,032
Indiana	2,634	4,167	8,643	14,105	21,786	21,741
Iowa	1,322	1,864	3,521	6,509	10,467	10,288
Kansas	1,463	1,988	2,965	6,316	10,662	11,197
Kentucky	1,032	1,129	1,691	3,667	8,162	9,346
Louisiana	1,759	2,355	R2,179	R4,361	R7,700	R8,585
Maine	25	NA	49	88	134	138
Maryland	1,635	2,059	3,088	4,739	9,705	11,885
Massachusetts	3,231	4,519	6,854	10,259	14,639	16,360
Michigan	7,505	13,734	23,198	35,940	49,969	49,807
Minnesota	2,998	3,474	7,835	10,885	19,906	16,809
Mississippi	717	920	1,019	2,147	4,154	3,929
Missouri	2,353	3,148	5,173	10,616	16,977	18,792
Montana	454	785	1,412	2,079	3,207	2,799
Nebraska	893	1,156	1,839	4,222	6,223	6,220
Nevada	1,033	1,296	1,753	2,405	3,726	5,642
New Hampshire	R212	303	445	653	934	1,053
New Jersey	4,968	6,250	9,956	17,515	27,256	30,266
New Mexico	817	958	1,266	2,647	4,947	6,135
New York	11,004	15,286	25,760	38,069	51,006	53,782
North Carolina	1,019	1,456	1,771	4,110	7,872	9,570
North Dakota	195	248	641	1,028	1,761	1,455
Ohio	7,578	9,957	16,819	29,556	45,239	47,494
Oklahoma	1,711	R2,187	R2,978	6,630	10,581	11,106
Oregon	993	1,613	2,776	3,851	5,257	6,096
Pennsylvania	5,177	7,274	12,211	22,201	31,731	33,339
Rhode Island	476	783	1,268	1,858	2,976	2,648
South Carolina	538	721	832	1,901	4,261	4,632
South Dakota	224	326	757	1,231	1,941	1,726
Tennessee	1,196	1,667	2,087	5,347	11,326	12,157
Texas	6,736	7,014	7,587	15,490	30,253	29,456
Utah	1,412	1,574	2,277	3,244	7,740	9,276
Vermont	64	119	182	312	346	441
Virginia	1,519	1,976	2,773	4,365	9,394	11,122
Washington	1,972	3,142	5,537	7,879	10,270	11,229
West Virginia	532	528	1,602	2,616	4,485	5,765
Wisconsin	2,587	3,458	7,853	11,317	20,423	17,975
Wyoming	NA	453	815	1,269	NA	1,439
Total	R127,742	R163,460	R258,529	R420,662	R665,990	R706,695

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002	2001				
	January	Total	December	November	October	September
Alabama	8,895	49,229	4,469	3,074	1,706	1,164
Alaska	2,125	16,818	2,785	2,187	1,662	819
Arizona	7,599	37,049	5,338	1,845	1,311	1,168
Arkansas	^a 7,216	37,202	5,759	3,407	1,534	772
California	79,507	512,695	64,425	39,037	29,189	21,331
Colorado	21,658	123,629	17,103	8,526	4,058	2,803
Connecticut	6,197	40,599	5,369	3,574	2,113	880
Delaware	1,697	9,175	815	615	334	183
District of Columbia	2,324	12,947	1,231	865	428	301
Florida	2,516	15,547	1,199	983	762	699
Georgia	22,343	119,969	16,734	8,398	7,915	3,728
Hawaii	49	537	47	43	40	43
Idaho	3,450	19,118	2,827	1,601	713	424
Illinois	72,217	427,146	64,165	34,223	26,244	12,180
Indiana	26,798	147,338	18,881	11,475	8,020	3,555
Iowa	11,981	71,074	9,075	4,795	3,531	1,587
Kansas	13,277	70,182	8,412	3,836	2,057	1,207
Kentucky	10,130	56,947	9,578	5,135	3,187	1,385
Louisiana	^a 9,300	49,003	5,802	3,326	2,230	1,589
Maine	141	954	132	61	54	32
Maryland	12,873	76,891	8,906	5,564	4,890	1,810
Massachusetts	17,297	106,636	9,272	7,038	4,510	2,852
Michigan	59,002	343,682	40,939	27,514	18,699	8,490
Minnesota	20,571	124,891	17,820	9,708	7,587	3,217
Mississippi	5,860	27,909	2,827	1,903	921	721
Missouri	21,161	116,188	13,263	6,977	3,942	2,592
Montana	3,313	20,147	2,952	1,842	1,160	503
Nebraska	8,729	46,663	4,352	4,791	1,777	901
Nevada	5,871	32,609	5,877	2,188	1,245	1,034
New Hampshire	1,047	6,812	735	490	300	184
New Jersey	34,336	209,834	23,936	15,915	9,706	5,534
New Mexico	6,124	36,577	4,986	1,993	1,170	951
New York	57,791	376,176	42,904	27,651	16,847	10,188
North Carolina	11,913	56,815	6,443	4,592	2,514	1,086
North Dakota	1,837	10,570	1,714	999	771	263
Ohio	54,013	308,522	37,245	23,529	15,668	6,755
Oklahoma	12,761	64,622	7,715	3,407	1,891	1,271
Oregon	6,480	38,271	5,274	3,342	1,442	893
Pennsylvania	39,679	238,849	26,948	17,515	11,085	5,351
Rhode Island	2,925	17,937	1,609	1,153	617	506
South Carolina	5,926	27,485	2,537	2,071	892	516
South Dakota	2,024	12,335	1,801	974	670	279
Tennessee	14,959	68,053	8,012	4,509	2,198	1,228
Texas	42,635	208,449	29,757	12,891	7,927	5,229
Utah	10,522	55,008	10,075	5,575	3,468	1,589
Vermont	419	2,719	270	203	91	67
Virginia	13,527	70,249	8,084	5,192	3,088	1,454
Washington	10,931	84,416	15,980	11,145	5,692	1,780
West Virginia	5,912	33,459	4,771	3,090	2,234	752
Wisconsin	20,900	125,277	17,762	9,205	7,696	3,549
Wyoming	2,365	10,977	1,499	1,040	716	271
Total	^a823,120	4,776,186	610,411	361,013	238,503	127,662

^a Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 7 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, 2001-2003
 (Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				March	February	January
Alabama	11,945	10,756	12,522	3,000	4,466	4,479
Alaska	5,654	5,583	5,227	1,843	1,637	2,174
Arizona	10,705	11,763	11,192	3,373	3,330	4,002
Arkansas	NA	13,918	14,037	NA	NA	R ^a 3,476
California	NA	75,599	75,492	24,905	NA	NA
Colorado	24,474	27,993	31,075	7,272	9,018	8,185
Connecticut	16,156	NA	18,261	4,542	5,540	6,074
Delaware	NA	2,765	2,833	1,002	1,416	NA
District of Columbia	7,021	6,686	6,801	2,017	2,456	2,548
Florida	16,088	15,257	15,294	4,948	5,671	5,469
Georgia	22,700	21,980	22,635	4,810	7,727	10,162
Hawaii	457	421	459	146	150	161
Idaho	4,922	7,028	6,286	1,472	1,638	1,812
Illinois	96,491	84,175	91,132	25,986	33,167	37,339
Indiana	43,559	35,002	39,466	10,132	15,384	18,043
Iowa	NA	20,234	23,451	6,519	NA	8,265
Kansas	19,192	17,624	20,328	5,701	6,708	6,784
Kentucky	20,200	16,522	18,176	5,293	6,977	7,930
Louisiana	NA	8,601	11,785	NA	NA	2,578
Maine	1,735	2,118	1,252	560	638	537
Maryland	27,721	24,078	24,358	7,302	9,548	10,870
Massachusetts	29,567	28,823	27,875	8,147	10,959	10,462
Michigan	89,225	70,620	84,655	26,544	30,626	32,055
Minnesota	46,175	NA	45,012	12,326	16,315	17,534
Mississippi	NA	8,635	9,684	NA	NA	3,590
Missouri	31,829	28,724	34,184	9,142	11,638	11,049
Montana	5,857	6,235	5,959	1,943	1,978	1,936
Nebraska	13,065	11,957	13,059	4,077	4,715	4,273
Nevada	7,683	8,544	8,101	2,376	2,475	2,832
New Hampshire	NA	3,762	3,767	1,367	NA	NA
New Jersey	70,885	53,809	65,172	20,728	24,976	25,181
New Mexico	NA	11,306	10,711	NA	NA	NA
New York	NA	101,342	107,627	34,482	NA	41,449
North Carolina	20,222	16,650	17,905	4,991	7,375	7,856
North Dakota	5,316	NA	4,606	1,537	1,832	1,947
Ohio	89,566	69,868	88,081	23,703	29,645	36,218
Oklahoma	17,009	19,507	21,878	5,252	R ^a 5,960	5,796
Oregon	10,231	12,271	11,659	3,191	3,295	3,745
Pennsylvania	75,054	58,183	65,455	20,545	25,661	28,848
Rhode Island	5,565	NA	5,962	1,744	1,972	1,849
South Carolina	NA	8,216	8,487	2,345	3,220	NA
South Dakota	4,747	4,241	4,589	1,383	1,651	1,713
Tennessee	28,915	23,019	26,891	7,314	10,384	11,218
Texas	NA	62,570	69,073	21,049	NA	28,126
Utah	12,318	15,318	13,249	3,344	4,525	4,449
Vermont	1,312	1,039	1,177	397	486	429
Virginia	NA	24,762	25,607	7,323	NA	11,330
Washington	18,008	21,525	19,405	5,634	R ^a 5,884	R ^a 6,489
West Virginia	NA	9,196	10,584	NA	NA	NA
Wisconsin	41,299	33,836	38,018	11,162	14,337	15,800
Wyoming	3,759	4,546	4,361	1,099	1,307	1,353
Total	1,338,712	1,190,775	1,304,857	375,395	R^a470,615	R^a492,702

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	Total	December	November	October	September	August
Alabama	NA	3,324	1,858	1,201	1,078	NA
Alaska	NA	2,308	1,853	1,196	799	669
Arizona	R32,836	3,447	2,521	R1,994	1,915	1,891
Arkansas	R33,255	R3,834	R2,786	R1,763	R1,355	R1,387
California	R242,131	R22,450	15,268	18,657	16,290	17,840
Colorado	NA	9,059	7,228	5,014	2,223	1,731
Connecticut	NA	5,581	3,990	2,443	1,838	1,932
Delaware	NA	NA	580	259	201	182
District of Columbia	NA	NA	2,046	1,271	857	838
Florida	51,954	5,102	4,142	3,676	3,823	3,679
Georgia	52,821	9,069	4,704	2,794	2,085	2,138
Hawaii	1,720	151	146	144	144	138
Idaho	14,779	1,686	1,326	699	476	380
Illinois	208,231	28,990	21,752	14,326	7,862	6,770
Indiana	NA	13,468	8,694	5,439	2,541	NA
Iowa	46,248	6,639	4,877	2,652	1,847	1,232
Kansas	38,812	5,065	3,707	1,948	1,281	1,463
Kentucky	37,256	5,932	3,931	2,157	1,058	1,123
Louisiana	R24,301	R2,735	R2,150	R1,862	R1,873	R1,412
Maine	NA	NA	NA	NA	459	R328
Maryland	65,323	10,259	7,154	4,656	3,590	2,754
Massachusetts	R79,737	R10,105	R6,660	5,277	3,911	R3,867
Michigan	173,019	24,214	16,312	9,435	5,442	5,010
Minnesota	NA	14,151	10,890	7,811	3,848	NA
Mississippi	NA	2,608	NA	1,202	1,087	785
Missouri	R64,806	8,549	5,796	3,724	2,077	1,920
Montana	14,612	1,744	1,432	914	440	413
Nebraska	27,870	3,528	2,297	1,218	965	929
Nevada	22,904	2,540	1,936	1,485	1,255	1,190
New Hampshire	NA	1,322	1,007	NA	NA	280
New Jersey	149,268	22,805	13,465	8,958	8,381	5,972
New Mexico	R25,044	3,006	R1,691	1,119	778	953
New York	332,015	35,572	35,940	19,972	21,083	23,416
North Carolina	40,143	6,200	3,648	2,429	1,625	1,440
North Dakota	NA	1,611	1,310	1,017	363	NA
Ohio	163,260	24,518	16,203	9,189	4,403	4,288
Oklahoma	R41,076	R4,830	R2,942	R1,504	R1,512	R1,519
Oregon	28,530	3,335	2,345	1,286	1,082	1,008
Pennsylvania	148,346	22,449	14,434	9,393	5,414	5,316
Rhode Island	NA	1,095	652	621	429	522
South Carolina	21,328	2,901	1,715	1,192	1,123	1,047
South Dakota	10,252	1,374	1,185	762	314	266
Tennessee	NA	7,936	4,027	2,350	2,143	1,928
Texas	NA	22,819	NA	12,236	10,586	11,030
Utah	33,894	4,454	3,627	2,353	1,266	998
Vermont	2,470	332	238	114	83	75
Virginia	63,896	9,692	6,667	4,272	2,657	2,650
Washington	51,868	5,724	4,439	2,521	1,937	1,904
West Virginia	23,072	3,231	2,319	870	884	966
Wisconsin	85,132	12,935	9,858	6,478	3,025	2,976
Wyoming	11,099	1,495	1,159	767	391	220
Total	R3,117,901	R410,739	R295,372	R195,594	R142,557	R140,085

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	July	June	May	April	March	February
Alabama	1,073	1,185	1,353	1,901	3,226	3,530
Alaska	557	933	NA	1,688	1,831	1,782
Arizona	1,976	2,152	2,399	2,779	3,482	3,992
Arkansas	R1,752	R1,558	R1,934	R2,967	R4,395	R4,857
California	17,229	17,778	20,446	20,574	22,685	24,573
Colorado	1,691	1,716	3,020	NA	8,062	9,076
Connecticut	1,800	1,855	2,263	3,804	4,916	NA
Delaware	187	225	364	594	834	892
District of Columbia	824	797	969	1,247	2,030	2,204
Florida	3,837	3,949	4,011	4,478	5,175	4,782
Georgia	2,176	2,172	2,670	3,032	5,910	7,633
Hawaii	147	146	139	143	138	138
Idaho	366	561	870	1,386	2,091	2,493
Illinois	6,783	7,135	11,256	19,182	27,134	26,191
Indiana	2,160	2,720	3,750	6,995	10,863	11,356
Iowa	1,275	1,521	2,086	3,885	6,436	6,362
Kansas	1,424	1,327	1,750	3,223	5,301	5,633
Kentucky	1,097	1,011	1,825	2,600	5,481	5,567
Louisiana	R1,420	R1,467	R1,121	R1,660	R2,956	R2,775
Maine	NA	365	NA	NA	679	701
Maryland	2,440	2,776	3,166	4,450	7,634	8,057
Massachusetts	3,542	4,788	5,626	7,139	8,517	10,392
Michigan	5,484	7,380	11,311	17,809	20,604	24,282
Minnesota	3,356	3,423	6,149	9,366	NA	11,181
Mississippi	1,068	1,159	1,023	1,691	2,592	2,814
Missouri	2,016	2,218	4,053	5,728	8,756	9,749
Montana	425	584	977	1,449	2,076	1,898
Nebraska	975	1,268	1,670	3,063	4,044	4,328
Nevada	1,208	1,373	1,575	1,798	2,730	2,789
New Hampshire	328	NA	653	844	1,195	1,296
New Jersey	6,158	6,522	10,873	12,326	14,247	18,908
New Mexico	962	1,208	1,627	2,395	3,415	3,981
New York	23,454	21,462	22,035	27,740	32,501	34,387
North Carolina	1,512	1,880	1,902	2,856	4,775	5,587
North Dakota	282	286	656	980	NA	1,374
Ohio	4,704	5,800	9,441	14,847	22,737	24,083
Oklahoma	R1,417	R1,652	R2,235	R3,959	R5,630	6,986
Oregon	1,090	1,430	2,042	2,642	3,449	3,969
Pennsylvania	5,128	5,914	8,607	13,508	17,923	19,523
Rhode Island	409	526	824	1,151	NA	1,641
South Carolina	1,081	1,162	1,284	1,607	2,461	2,739
South Dakota	277	310	555	968	1,414	1,309
Tennessee	1,884	NA	2,599	4,325	6,459	7,390
Texas	9,761	10,239	10,707	14,767	22,571	16,135
Utah	953	1,057	1,627	2,239	4,189	5,275
Vermont	72	108	161	249	294	383
Virginia	2,603	2,765	3,598	4,231	7,654	8,130
Washington	2,061	2,778	3,769	5,211	6,184	6,765
West Virginia	924	1,068	1,517	2,097	3,025	3,004
Wisconsin	2,281	2,597	4,513	6,634	11,404	10,392
Wyoming	470	420	630	1,000	1,391	994
Total	R136,410	R150,274	R190,840	R265,255	R371,550	R389,371

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002	2001				
	January	Total	December	November	October	September
Alabama	4,000	26,377	2,274	1,797	1,393	1,164
Alaska	1,970	15,849	2,299	1,911	1,499	789
Arizona	4,288	31,121	3,574	2,240	1,819	1,771
Arkansas	^R 4,666	32,031	3,694	2,901	2,083	1,853
California	28,341	245,795	25,444	19,010	18,308	16,322
Colorado	10,856	65,011	8,243	4,204	2,408	1,854
Connecticut	5,464	44,404	4,406	4,339	2,253	2,523
Delaware	1,039	5,680	522	396	290	185
District of Columbia	2,452	16,546	1,506	1,223	802	786
Florida	5,299	49,286	4,215	4,026	3,617	3,547
Georgia	8,438	50,645	6,149	4,008	3,443	2,230
Hawaii	145	1,749	136	137	138	145
Idaho	2,444	13,623	1,820	1,060	613	462
Illinois	30,850	189,160	25,230	14,372	12,120	7,631
Indiana	12,783	78,479	9,276	6,253	5,016	2,832
Iowa	7,436	45,911	5,584	3,556	2,842	1,605
Kansas	6,690	38,127	4,147	2,200	1,491	1,296
Kentucky	5,473	35,255	4,485	2,867	1,772	1,138
Louisiana	^R 2,870	28,833	2,827	2,066	1,780	1,547
Maine	^R 738	2,642	330	257	140	85
Maryland	8,388	59,802	6,102	5,197	4,473	3,118
Massachusetts	9,914	61,677	6,278	4,369	3,061	2,668
Michigan	25,734	173,791	19,143	13,259	9,466	5,945
Minnesota	12,941	93,845	12,297	6,546	6,185	3,048
Mississippi	3,229	21,579	2,004	1,659	1,234	935
Missouri	^R 10,219	64,924	7,407	4,083	2,787	2,152
Montana	2,260	13,245	1,770	1,147	725	387
Nebraska	3,584	27,792	3,269	1,742	1,079	1,006
Nevada	3,026	22,912	2,731	1,774	1,383	1,655
New Hampshire	1,272	7,349	765	493	260	231
New Jersey	20,655	136,578	14,241	10,382	6,904	5,179
New Mexico	3,910	24,150	2,661	1,443	1,183	958
New York	34,454	347,253	37,264	26,198	26,630	28,804
North Carolina	6,287	38,583	4,038	2,946	2,264	1,626
North Dakota	1,747	10,456	1,626	997	781	322
Ohio	23,048	172,537	21,128	11,693	8,990	5,472
Oklahoma	6,891	42,110	3,988	2,310	1,786	1,762
Oregon	4,853	27,884	3,348	2,252	1,284	1,162
Pennsylvania	20,737	136,468	15,565	10,114	8,255	4,753
Rhode Island	1,758	12,808	1,222	934	635	492
South Carolina	3,016	20,743	1,870	1,585	1,298	1,118
South Dakota	1,518	9,711	1,378	780	600	282
Tennessee	9,170	52,947	4,830	3,802	2,392	2,064
Texas	23,864	177,714	20,466	12,487	10,329	9,031
Utah	5,854	30,917	5,250	2,870	1,834	992
Vermont	362	2,473	241	189	108	92
Virginia	8,978	59,809	6,501	5,189	3,736	2,950
Washington	8,576	57,160	9,222	6,904	4,179	1,949
West Virginia	3,166	27,737	3,507	2,573	2,754	1,243
Wisconsin	12,040	76,439	10,056	5,712	5,111	2,488
Wyoming	2,161	9,535	979	1,081	607	311
Total	^R429,855	3,037,450	347,309	231,534	186,143	143,957

^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 7 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, 2001-2003
 (Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				March	February	January
Alabama	40,910	42,570	42,532	12,615	13,738	14,557
Alaska	14,006	15,635	17,353	5,292	4,386	4,328
Arizona	4,541	NA	6,005	1,510	1,456	1,575
Arkansas	NA	32,125	31,239	NA	NA	9,569
California	162,565	172,410	148,846	56,975	53,341	^R 52,249
Colorado	NA	NA	18,032	10,445	12,398	NA
Connecticut	7,764	NA	6,667	2,487	2,428	2,849
Delaware	5,673	6,129	5,825	1,381	1,880	2,412
District of Columbia	0	0	0	0	0	0
Florida	NA	25,156	22,776	5,616	NA	NA
Georgia	35,589	37,115	34,432	10,952	11,701	12,936
Hawaii	116	121	138	40	36	40
Idaho ^a	7,102	7,879	8,632	2,404	2,204	2,493
Illinois	85,976	78,754	85,535	26,162	28,737	31,078
Indiana	72,478	70,256	74,100	21,778	24,137	26,563
Iowa	26,250	24,827	26,343	7,931	9,747	8,572
Kansas	27,263	23,695	24,880	8,292	8,971	10,000
Kentucky	29,170	26,516	27,191	8,099	9,711	11,359
Louisiana	171,475	186,167	181,573	55,684	^R 55,001	^R 60,789
Maine	NA	110	3,058	276	NA	611
Maryland	6,414	7,573	7,504	2,026	2,140	2,248
Massachusetts	NA	22,094	24,668	7,634	6,264	NA
Michigan	75,961	67,872	70,509	22,977	26,375	26,609
Minnesota	27,048	23,413	26,508	7,990	9,626	9,432
Mississippi	26,959	26,379	26,984	7,819	8,461	10,679
Missouri	20,317	19,913	21,847	6,098	6,923	7,297
Montana	5,294	6,027	6,898	1,858	1,989	1,447
Nebraska	8,786	8,824	9,325	2,470	3,071	3,245
Nevada	2,805	2,799	3,024	1,000	766	1,039
New Hampshire	NA	2,161	2,215	747	NA	NA
New Jersey	22,133	23,420	22,911	7,136	7,313	7,684
New Mexico	NA	5,332	8,882	NA	NA	NA
New York	NA	51,377	25,944	14,941	NA	12,356
North Carolina	25,792	26,828	21,668	7,616	9,278	8,898
North Dakota	3,110	3,652	4,085	944	778	1,388
Ohio	84,314	84,688	95,193	25,983	28,180	30,151
Oklahoma	30,602	30,792	41,546	9,473	9,675	11,453
Oregon	17,047	20,673	19,733	5,589	5,514	5,945
Pennsylvania	55,116	55,353	56,802	17,252	17,666	20,197
Rhode Island	1,320	601	1,427	438	448	434
South Carolina	20,237	25,840	17,360	5,767	6,940	7,531
South Dakota	NA	1,176	1,413	NA	NA	NA
Tennessee	31,156	33,489	31,335	9,815	10,404	10,937
Texas	419,146	440,371	567,764	134,280	137,228	147,638
Utah	6,827	7,398	9,146	2,187	2,240	2,400
Vermont	512	963	624	176	121	215
Virginia	18,729	17,432	16,100	6,258	6,306	6,166
Washington	NA	19,913	17,472	5,847	NA	6,080
West Virginia	NA	11,957	10,425	NA	NA	NA
Wisconsin	45,015	44,177	47,164	13,030	15,374	16,611
Wyoming	NA	9,488	9,739	NA	3,622	^R 5,518
Total	1,846,319	1,902,710	1,991,373	584,339	^R613,220	^R648,760

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	Total	December	November	October	September	August
Alabama	160,706	14,452	12,714	13,395	12,893	11,955
Alaska	66,205	4,298	4,563	5,586	5,536	6,106
Arizona	NA	1,712	NA	1,312	1,123	1,159
Arkansas	R117,903	R10,663	R10,396	R10,243	R9,352	R9,048
California	NA	R61,111	NA	68,243	62,073	66,371
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	NA	2,971	2,865	2,540	2,048	2,068
Delaware	NA	NA	NA	NA	NA	1,761
District of Columbia	0	0	0	0	0	0
Florida	95,828	7,733	7,746	8,161	7,500	7,814
Georgia	145,243	12,393	12,240	11,928	11,635	12,631
Hawaii	475	37	35	35	36	42
Idaho ^a	NA	2,425	2,347	2,385	2,185	NA
Illinois	NA	26,771	24,986	23,786	18,360	19,300
Indiana	254,382	25,090	22,870	21,838	19,445	19,534
Iowa	90,401	8,920	9,120	7,443	6,477	6,519
Kansas	NA	10,304	10,413	8,194	11,168	NA
Kentucky	98,608	9,706	9,627	8,942	7,589	6,508
Louisiana	710,309	66,473	66,043	58,144	54,625	57,819
Maine	1,281	16	61	164	122	150
Maryland	NA	2,153	NA	2,155	1,994	NA
Massachusetts	R76,568	R6,923	R6,729	R6,770	R5,857	R7,201
Michigan	236,820	23,516	19,902	15,945	14,669	17,142
Minnesota	NA	9,574	9,568	8,253	6,493	NA
Mississippi	104,568	10,156	9,028	9,079	7,980	8,539
Missouri	67,310	6,295	5,955	6,056	4,280	4,518
Montana	NA	NA	2,150	1,863	1,646	1,367
Nebraska	40,143	3,178	2,913	2,822	4,393	4,910
Nevada	11,168	1,074	999	1,037	896	862
New Hampshire	NA	NA	626	NA	588	NA
New Jersey	NA	NA	7,060	6,391	6,011	NA
New Mexico	19,840	1,605	1,845	1,646	1,635	1,433
New York	179,110	16,750	17,192	16,602	15,570	15,668
North Carolina	98,980	8,889	8,801	8,610	7,745	7,827
North Dakota	NA	999	914	1,030	908	962
Ohio	317,701	31,608	29,025	26,778	22,411	24,220
Oklahoma	116,385	11,379	11,040	9,893	9,091	9,470
Oregon	72,039	6,150	5,856	5,808	5,507	5,612
Pennsylvania	197,661	19,257	17,729	16,319	14,254	14,592
Rhode Island	2,696	205	332	273	229	211
South Carolina	97,673	8,002	8,339	8,115	7,288	7,740
South Dakota	4,588	506	546	394	271	330
Tennessee	NA	10,296	10,290	9,183	7,800	8,951
Texas	1,748,531	128,650	121,771	126,557	134,224	146,959
Utah	26,888	2,489	2,410	2,415	2,118	2,041
Vermont	3,013	279	281	263	193	194
Virginia	NA	5,158	NA	NA	6,582	7,421
Washington	68,985	5,874	5,978	5,741	5,132	4,980
West Virginia	R45,852	R4,230	R4,116	4,295	3,125	3,640
Wisconsin	139,326	14,561	12,584	11,438	8,630	8,609
Wyoming	NA	3,873	4,096	3,785	3,099	3,341
Total	R7,241,296	R636,202	R593,345	R597,105	R555,938	R590,890

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	July	June	May	April	March	February
Alabama	12,587	13,065	13,466	13,610	14,497	13,972
Alaska	7,174	6,640	5,909	4,759	4,595	5,304
Arizona	1,164	1,156	1,158	1,193	NA	1,426
Arkansas	R ^a 7,669	R ^a 9,000	R ^a 9,630	R ^a 9,778	R ^a 9,795	R ^a 11,293
California	63,160	54,341	55,260	54,374	61,534	49,783
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	2,450	2,280	2,406	NA	NA	NA
Delaware	1,572	1,204	1,269	1,657	1,946	1,916
District of Columbia	0	0	0	0	0	0
Florida	7,455	6,847	8,171	9,243	8,777	8,076
Georgia	11,761	11,545	12,231	11,763	12,964	11,756
Hawaii	47	36	43	42	39	40
Idaho ^a	NA	2,065	2,299	2,377	2,561	2,553
Illinois	19,888	22,448	24,491	26,897	26,026	
Indiana	19,189	17,091	18,569	20,499	23,325	22,843
Iowa	5,992	5,992	7,309	7,802	8,132	7,902
Kansas	9,299	7,579	7,861	6,888	8,093	7,505
Kentucky	6,915	7,165	8,120	7,521	8,625	8,854
Louisiana	55,193	54,518	55,116	56,210	61,785	59,384
Maine	143	154	182	178	107	0
Maryland	2,234	2,067	1,772	2,128	2,765	2,396
Massachusetts	R ^a 3,764	R ^a 5,584	R ^a 5,343	R ^a 6,302	R ^a 7,805	R ^a 7,265
Michigan	18,046	18,358	19,401	21,968	20,956	23,834
Minnesota	6,711	6,735	6,942	7,848	8,329	7,259
Mississippi	8,743	8,120	8,298	8,245	9,275	8,300
Missouri	4,444	4,489	5,657	5,702	7,013	5,864
Montana	1,311	1,508	1,622	NA	1,881	2,074
Nebraska	5,647	1,876	2,823	2,757	2,339	3,177
Nevada	833	870	819	978	890	813
New Hampshire	NA	749	727	693	817	623
New Jersey	NA	6,277	6,559	6,723	7,380	7,948
New Mexico	1,507	1,543	1,543	1,750	1,777	1,694
New York	7,452	12,561	11,626	14,312	15,850	17,132
North Carolina	7,086	7,290	8,057	7,848	9,019	8,855
North Dakota	1,001	NA	1,130	1,071	1,119	1,117
Ohio	23,047	23,939	26,393	25,592	27,129	27,434
Oklahoma	9,288	7,761	8,806	8,865	9,792	9,681
Oregon	5,343	5,383	5,890	5,816	6,424	6,466
Pennsylvania	13,748	14,444	15,570	16,396	18,527	17,703
Rhode Island	185	224	222	213	218	202
South Carolina	7,696	8,224	8,296	8,133	8,645	8,504
South Dakota	418	341	264	341	486	318
Tennessee	8,617	NA	9,162	9,833	9,392	11,803
Texas	156,179	163,180	156,234	174,407	144,236	140,601
Utah	1,971	1,864	2,175	2,005	2,333	2,432
Vermont	184	192	224	240	311	317
Virginia	7,481	6,961	6,355	5,659	4,718	6,164
Washington	4,786	5,183	5,415	5,982	6,276	6,244
West Virginia	3,358	3,549	3,813	3,768	4,086	3,489
Wisconsin	8,250	8,377	10,780	11,920	14,857	13,919
Wyoming	3,131	3,187	3,734	NA	2,387	3,344
Total	R^a586,736	R^a570,216	R^a587,899	R^a620,256	R^a630,274	R^a609,670

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002	2001				
	January	Total	December	November	October	September
Alabama	14,100	155,054	12,672	11,767	13,613	12,134
Alaska	5,735	67,174	5,205	4,843	5,263	5,784
Arizona	1,680	21,228	1,704	1,412	1,344	1,439
Arkansas	111,037	122,311	11,527	11,168	11,777	9,591
California	61,093	666,462	62,087	57,442	61,177	63,833
Colorado	NA	57,436	4,457	4,941	3,369	3,655
Connecticut	3,291	26,019	1,802	2,147	2,122	1,981
Delaware	2,266	20,059	1,639	1,804	1,971	1,557
District of Columbia	0	0	0	0	0	0
Florida	8,304	94,711	8,016	7,811	8,140	8,196
Georgia	12,395	137,899	11,212	11,239	12,533	11,624
Hawaii	42	532	42	37	41	39
Idaho ^a	2,765	30,435	2,669	2,536	2,413	2,150
Illinois	25,832	277,292	23,695	23,899	24,125	19,383
Indiana	24,088	250,766	22,971	20,330	21,014	17,971
Iowa	8,793	92,569	8,462	8,265	7,844	6,851
Kansas	8,097	92,771	7,212	7,131	6,679	9,411
Kentucky	9,037	94,896	8,851	8,090	7,364	7,074
Louisiana	64,997	747,015	72,462	69,355	68,676	64,053
Maine	3	10,929	701	1,160	1,135	891
Maryland	2,412	27,412	2,065	2,701	2,117	1,999
Massachusetts	7,025	81,184	6,625	4,811	6,493	5,547
Michigan	23,082	223,798	20,000	18,664	16,597	14,431
Minnesota	7,825	92,451	7,858	9,056	7,945	7,926
Mississippi	8,804	99,341	8,580	8,146	7,304	8,097
Missouri	7,036	67,846	7,342	5,329	4,954	4,386
Montana	2,071	20,923	1,972	2,089	1,558	1,241
Nebraska	3,308	40,145	3,135	3,947	2,746	3,414
Nevada	1,096	11,475	1,398	865	962	858
New Hampshire	721	8,685	990	921	737	582
New Jersey	8,091	86,097	7,371	7,205	7,283	6,221
New Mexico	1,861	36,874	3,547	3,089	2,844	2,859
New York	18,396	84,411	8,527	5,076	6,531	6,076
North Carolina	8,954	88,844	8,498	8,170	9,111	7,421
North Dakota	1,417	17,759	1,119	1,068	1,460	1,359
Ohio	30,125	293,369	28,339	24,128	23,334	20,131
Oklahoma	11,319	161,341	15,210	14,486	15,516	13,859
Oregon	7,783	69,760	5,939	5,805	6,024	5,088
Pennsylvania	19,123	197,676	17,894	16,402	16,385	16,432
Rhode Island	181	6,127	604	468	606	550
South Carolina	8,691	79,674	7,785	7,201	8,343	6,839
South Dakota	372	4,211	367	343	329	287
Tennessee	12,295	118,566	10,391	10,696	11,542	8,227
Texas	155,534	2,093,120	164,669	166,820	167,479	160,683
Utah	2,633	33,585	2,395	2,565	3,024	2,711
Vermont	335	2,597	313	263	236	200
Virginia	6,551	65,231	7,375	8,820	3,420	4,911
Washington	7,393	75,651	7,943	7,903	7,951	5,556
West Virginia	4,382	39,598	3,284	3,459	3,265	3,571
Wisconsin	15,400	132,638	12,302	11,033	10,666	8,612
Wyoming	3,757	37,136	3,468	3,204	3,272	2,933
Total	662,766	7,363,081	644,691	620,113	620,637	580,624

^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 7 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 Power Consumers, by State, 2001-2003
 (Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				March	February	January
Alabama	19,413	24,539	9,181	4,377	5,320	9,717
Alaska	8,967	7,933	8,984	2,888	2,715	3,365
Arizona	22,826	23,285	28,108	11,626	8,703	2,497
Arkansas	7,676	5,362	3,224	2,337	2,973	2,366
California	156,162	152,485	251,733	52,518	51,396	52,248
Colorado	16,450	16,246	21,247	5,772	5,472	5,206
Connecticut	8,870	13,109	5,042	4,264	2,098	2,509
Delaware	1,785	3,158	1,376	977	353	456
District of Columbia	0	0	0	0	0	0
Florida	100,839	96,822	54,375	42,010	28,404	30,425
Georgia	4,811	3,391	1,466	884	801	3,127
Hawaii	0	0	0	0	0	0
Idaho	395	860	342	124	121	150
Illinois	8,454	10,335	5,608	2,577	2,829	3,048
Indiana	5,148	6,568	3,271	1,960	1,729	1,459
Iowa	904	1,275	740	296	330	277
Kansas	2,593	3,135	2,463	1,037	730	827
Kentucky	954	1,289	355	153	174	627
Louisiana	44,255	55,904	40,582	13,382	13,630	17,244
Maine	14,596	20,439	15,608	4,351	3,613	6,632
Maryland	1,569	1,837	2,186	334	572	662
Massachusetts	29,760	27,837	16,400	10,899	9,733	9,128
Michigan	28,766	33,742	25,687	7,549	9,741	11,477
Minnesota	2,908	2,743	1,818	735	1,045	1,129
Mississippi	27,646	50,725	9,875	6,982	8,169	12,494
Missouri	3,067	5,545	2,557	817	661	1,589
Montana	48	7	8	21	20	7
Nebraska	411	451	411	125	161	125
Nevada	21,541	25,157	31,115	7,231	7,017	7,294
New Hampshire	0	31	0	0	0	0
New Jersey	23,823	27,506	21,800	7,153	8,118	8,552
New Mexico	7,739	7,481	10,816	2,838	2,704	2,197
New York	56,630	74,043	50,269	22,310	15,316	19,004
North Carolina	6,197	6,654	127	1,332	1,758	3,107
North Dakota	0	0	0	0	0	0
Ohio	1,925	1,786	1,124	1,026	348	552
Oklahoma	32,390	36,872	25,929	10,128	11,557	10,705
Oregon	17,836	19,323	19,057	4,353	5,636	7,847
Pennsylvania	5,933	7,753	2,349	2,712	1,624	1,597
Rhode Island	10,308	14,115	11,478	2,857	3,083	4,367
South Carolina	3,868	6,217	930	413	816	2,639
South Dakota	96	224	1,009	18	51	27
Tennessee	1,364	205	2	265	116	983
Texas	309,911	298,240	289,430	102,066	99,744	108,101
Utah	2,991	2,252	4,386	1,372	754	865
Vermont	3	9	39	1	1	1
Virginia	6,794	4,361	2,950	2,461	959	3,374
Washington	15,266	12,440	24,873	5,177	5,146	4,943
West Virginia	178	291	101	76	36	67
Wisconsin	5,695	3,842	4,525	1,903	2,106	1,686
Wyoming	1,030	770	727	254	418	358
Total	1,050,794	1,118,593	1,016,060	354,941	328,801	367,051

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	Total	December	November	October	September	August
Alabama	112,743	5,487	5,378	7,052	12,519	15,885
Alaska	32,947	3,093	2,568	2,885	2,705	2,813
Arizona	125,086	8,320	8,163	14,743	13,357	13,599
Arkansas	39,750	1,275	665	3,637	5,298	6,382
California	697,915	54,851	50,415	55,605	72,884	76,871
Colorado	76,403	5,475	5,311	7,038	6,309	7,563
Connecticut	65,079	4,228	4,166	4,689	7,284	8,304
Delaware	17,463	332	271	1,253	1,935	2,216
District of Columbia	0	0	0	0	0	0
Florida	519,545	30,686	35,129	52,195	53,296	57,978
Georgia	51,468	1,358	390	4,150	7,037	10,312
Hawaii	0	0	0	0	0	0
Idaho	2,844	149	123	208	195	276
Illinois	86,641	1,354	985	6,677	6,935	15,490
Indiana	32,618	1,875	1,938	1,829	2,995	3,835
Iowa	7,014	416	460	373	734	804
Kansas	23,126	536	671	851	2,329	4,354
Kentucky	12,006	251	260	296	1,184	1,771
Louisiana	285,001	13,737	14,620	21,860	28,304	33,906
Maine	78,006	6,370	6,412	6,223	6,824	7,254
Maryland	22,545	980	814	1,174	3,005	6,428
Massachusetts	126,794	12,194	10,418	10,935	13,438	12,072
Michigan	146,479	9,390	7,393	9,824	13,066	18,597
Minnesota	14,069	527	498	816	1,399	1,894
Mississippi	199,055	9,547	8,044	10,899	17,581	23,140
Missouri	29,449	371	529	510	3,185	5,177
Montana	132	5	2	2	12	22
Nebraska	5,299	133	159	408	579	946
Nevada	109,577	8,707	9,317	9,859	10,763	11,631
New Hampshire	1,096	103	0	194	219	311
New Jersey	151,392	9,475	9,192	11,492	14,861	22,333
New Mexico	39,029	2,393	2,397	3,052	3,287	4,566
New York	365,925	21,149	21,843	30,475	37,561	49,622
North Carolina	46,304	1,613	748	2,450	4,741	9,248
North Dakota	1	0	0	0	0	0
Ohio	22,302	489	471	1,123	3,235	4,315
Oklahoma	179,982	7,542	6,714	11,695	19,817	27,488
Oregon	55,449	5,285	5,065	5,595	5,621	4,908
Pennsylvania	49,933	2,294	2,544	3,879	5,629	9,187
Rhode Island	53,166	5,121	4,975	3,985	4,320	4,444
South Carolina	36,774	278	382	1,100	2,794	6,601
South Dakota	1,273	25	12	27	148	55
Tennessee	2,714	340	99	14	93	657
Texas	1,518,238	93,261	100,883	116,315	145,049	183,624
Utah	12,861	551	593	1,653	1,738	1,528
Vermont	37	3	4	4	3	3
Virginia	34,104	2,088	851	1,742	3,921	6,407
Washington	37,809	4,859	3,782	3,976	3,887	3,166
West Virginia	1,691	45	73	81	139	263
Wisconsin	20,527	1,339	1,033	960	2,357	2,123
Wyoming	3,672	320	217	498	576	295
Total	5,553,331	340,220	336,977	436,300	555,149	690,663

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	July	June	May	April	March	February
Alabama	15,223	11,856	7,444	7,357	7,172	8,131
Alaska	3,280	2,656	2,433	2,582	2,647	2,414
Arizona	15,063	11,792	9,164	7,599	9,057	7,852
Arkansas	6,941	5,323	2,261	2,606	1,929	1,853
California	88,017	62,134	42,999	41,654	58,696	43,011
Colorado	8,948	7,234	5,949	6,330	6,729	4,370
Connecticut	7,984	5,562	5,829	3,923	4,705	3,979
Delaware	4,884	1,321	1,021	1,071	1,230	1,127
District of Columbia	0	0	0	0	0	0
Florida	55,523	50,993	45,252	41,671	35,080	27,229
Georgia	10,722	7,282	3,402	3,425	998	1,098
Hawaii	0	0	0	0	0	0
Idaho	478	261	161	133	512	171
Illinois	23,821	9,972	3,973	7,098	4,977	3,053
Indiana	6,233	3,297	1,241	2,807	2,085	2,727
Iowa	1,228	738	486	499	576	304
Kansas	5,807	3,208	1,290	946	1,426	632
Kentucky	3,828	1,994	546	587	672	412
Louisiana	35,007	30,062	26,215	25,387	22,004	17,388
Maine	6,938	5,865	6,392	5,288	6,856	6,470
Maryland	4,131	1,980	892	1,303	665	542
Massachusetts	11,578	8,981	11,325	8,016	10,411	7,670
Michigan	20,972	12,953	9,704	10,837	12,064	10,334
Minnesota	3,470	1,438	651	635	1,109	860
Mississippi	27,029	20,812	15,010	16,268	16,907	16,880
Missouri	6,733	3,418	1,489	2,494	2,064	1,595
Montana	31	36	13	2	2	2
Nebraska	1,395	660	294	273	87	109
Nevada	10,965	9,532	7,672	5,974	8,650	7,816
New Hampshire	79	108	39	11	1	12
New Jersey	23,319	15,156	8,301	9,758	9,297	8,262
New Mexico	5,764	3,937	3,346	2,807	2,807	2,315
New York	48,357	34,418	24,300	24,157	24,827	23,694
North Carolina	9,305	5,510	2,801	3,233	2,769	2,024
North Dakota	0	0	0	0	0	0
Ohio	6,384	2,436	701	1,365	695	794
Oklahoma	23,739	18,044	12,911	15,161	12,867	14,104
Oregon	2,114	3,100	2,078	2,361	6,231	5,754
Pennsylvania	8,349	6,030	2,335	1,932	3,474	2,173
Rhode Island	4,617	4,095	3,920	3,575	3,904	4,458
South Carolina	7,031	4,922	4,534	2,914	1,252	2,013
South Dakota	480	182	58	62	61	145
Tennessee	739	277	58	233	172	34
Texas	185,044	154,070	125,671	116,081	104,248	90,305
Utah	1,251	1,028	1,386	882	752	452
Vermont	4	3	3	2	2	3
Virginia	6,447	3,448	2,023	2,815	1,007	1,177
Washington	1,729	855	1,115	2,000	4,770	3,814
West Virginia	219	229	99	252	164	50
Wisconsin	3,795	1,882	1,214	1,982	1,506	1,208
Wyoming	317	230	217	231	340	214
Total	725,315	541,320	410,216	398,579	400,455	341,035

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002	2001				
	January	Total	December	November	October	September
Alabama	9,236	68,868	6,324	7,007	7,473	7,157
Alaska	2,872	32,588	3,235	2,986	2,865	2,392
Arizona	6,375	129,086	8,910	6,853	9,808	10,115
Arkansas	1,580	26,096	1,253	2,200	2,845	2,798
California	50,777	973,509	61,775	59,363	75,461	83,693
Colorado	5,148	85,999	6,628	5,557	8,075	6,700
Connecticut	4,425	32,161	3,798	2,279	4,880	5,913
Delaware	802	15,129	443	1,094	2,483	2,998
District of Columbia	0	0	0	0	0	0
Florida	34,513	374,311	34,168	29,384	40,435	42,864
Georgia	1,295	34,700	356	340	1,790	4,279
Hawaii	0	0	0	0	0	0
Idaho	177	10,479	1,667	2,331	1,871	1,572
Illinois	2,305	46,806	2,328	2,025	4,679	2,677
Indiana	1,755	17,777	869	1,088	600	1,339
Iowa	395	5,754	279	247	259	449
Kansas	1,076	23,267	863	1,096	1,137	1,476
Kentucky	204	4,433	302	178	267	426
Louisiana	16,511	243,017	11,549	10,270	19,391	25,901
Maine	7,113	80,044	7,964	8,167	7,534	7,828
Maryland	631	17,521	698	525	1,555	2,319
Massachusetts	9,756	96,294	9,281	8,428	10,562	11,686
Michigan	11,344	133,054	11,972	11,915	14,520	11,276
Minnesota	774	10,688	547	471	876	516
Mississippi	16,938	149,434	14,943	12,944	19,065	18,784
Missouri	1,885	32,805	1,864	1,841	2,000	2,925
Montana	3	161	2	2	3	5
Nebraska	256	4,290	256	250	252	185
Nevada	8,690	108,510	7,837	7,698	9,264	8,520
New Hampshire	18	527	29	0	292	185
New Jersey	9,946	128,378	8,681	9,013	12,925	11,986
New Mexico	2,359	48,981	1,876	2,839	3,303	3,897
New York	25,523	357,439	29,115	26,679	35,313	39,724
North Carolina	1,861	12,265	201	189	903	1,055
North Dakota	0	3	0	0	0	0
Ohio	297	10,546	191	404	354	627
Oklahoma	9,901	173,893	10,238	10,276	14,051	17,639
Oregon	7,338	82,542	7,527	6,832	8,062	7,952
Pennsylvania	2,105	22,682	2,678	2,586	2,736	2,968
Rhode Island	5,753	58,417	5,797	4,362	5,793	5,945
South Carolina	2,953	10,944	534	477	1,337	602
South Dakota	18	4,496	70	29	61	211
Tennessee	0	2,479	0	0	0	48
Texas	103,687	1,506,112	91,523	91,505	118,063	135,134
Utah	1,047	15,141	785	636	863	1,280
Vermont	4	116	3	3	3	2
Virginia	2,178	33,124	1,773	2,547	4,013	5,832
Washington	3,857	86,184	4,358	4,277	5,763	5,871
West Virginia	76	2,620	41	165	148	138
Wisconsin	1,128	22,358	1,291	1,028	1,882	2,064
Wyoming	217	2,727	224	193	196	173
Total	377,103	5,342,734	367,046	350,573	466,123	510,303

Notes: Geographic coverage is the 50 States and the District of Columbia.
 See Appendix A, Explanatory Note 7 for discussion of computation and

revision policy.

Source: Form EIA-906, "Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003
 (Million Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		
				March	February	January
Alabama	98,533	101,434	92,571	25,991	33,335	39,207
Alaska	34,594	35,458	37,095	12,068	10,442	12,083
Arizona	54,687	NA	64,635	21,362	18,325	15,000
Arkansas	NA	71,754	68,734	NA	NA	NA
California	NA	602,145	692,512	184,793	NA	R183,615
Colorado	NA	NA	130,696	38,042	46,789	NA
Connecticut	55,485	NA	50,683	17,192	18,502	19,791
Delaware	17,140	16,420	15,145	4,908	5,644	6,587
District of Columbia	14,826	12,646	14,127	3,730	5,133	5,963
Florida	NA	143,597	99,887	54,188	NA	NA
Georgia	125,505	118,183	119,578	28,686	40,802	56,016
Hawaii	723	687	737	235	237	251
Idaho	20,694	25,456	24,607	6,480	6,728	7,486
Illinois	429,170	374,915	401,524	114,382	147,045	167,744
Indiana	204,541	182,150	196,723	52,601	70,441	81,500
Iowa	NA	79,072	89,601	25,194	NA	31,082
Kansas	NA	79,589	89,332	27,435	NA	33,725
Kentucky	84,110	71,965	76,511	20,468	28,919	34,722
Louisiana	NA	276,257	259,812	NA	R82,831	R92,617
Maine	NA	23,080	20,390	5,348	NA	7,979
Maryland	81,466	67,951	74,792	21,180	28,477	31,809
Massachusetts	143,818	127,050	125,740	46,076	50,201	R47,541
Michigan	387,184	331,011	356,491	112,710	134,037	140,437
Minnesota	144,057	NA	136,691	39,159	50,978	53,920
Mississippi	NA	99,682	62,752	NA	NA	32,364
Missouri	119,038	111,111	126,919	33,848	42,682	42,508
Montana	20,272	21,587	22,077	6,695	6,966	6,612
Nebraska	44,213	42,405	47,212	13,291	15,416	15,506
Nevada	46,082	51,738	57,180	14,667	14,820	16,595
New Hampshire	NA	8,988	9,431	3,335	NA	NA
New Jersey	240,415	196,593	218,887	69,251	84,064	87,100
New Mexico	NA	41,325	49,596	NA	NA	NA
New York	NA	389,341	373,114	137,296	NA	143,913
North Carolina	88,550	79,487	71,667	22,499	31,608	34,444
North Dakota	14,181	NA	13,607	4,145	4,580	5,456
Ohio	353,800	303,087	348,120	97,847	120,848	135,106
Oklahoma	115,031	121,618	127,556	35,335	R38,845	40,852
Oregon	61,137	70,100	67,758	18,125	19,508	23,505
Pennsylvania	275,543	226,037	252,935	79,155	94,456	101,931
Rhode Island	27,337	NA	28,185	8,285	9,210	9,842
South Carolina	NA	55,092	43,069	12,731	17,478	NA
South Dakota	NA	11,331	13,137	NA	NA	NA
Tennessee	105,781	95,154	99,412	27,856	36,960	40,965
Texas	NA	903,525	1,037,052	286,067	NA	329,281
Utah	44,818	52,507	50,481	12,948	15,982	15,888
Vermont	3,393	3,217	3,251	1,057	1,188	1,148
Virginia	98,260	80,598	84,408	25,820	32,389	40,052
Washington	79,536	86,307	92,702	26,029	R25,609	R27,897
West Virginia	NA	37,605	38,090	NA	NA	NA
Wisconsin	161,202	141,153	155,625	44,059	55,316	61,826
Wyoming	NA	NA	19,602	NA	7,100	NA
Total	6,750,448	6,411,568	6,756,397	1,991,550	R2,296,787	R2,462,110

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	Total	December	November	October	September	August
Alabama	NA	30,557	22,700	22,814	27,565	NA
Alaska	NA	11,842	10,432	10,923	9,896	10,199
Arizona	NA	17,855	NA	R19,377	17,504	17,696
Arkansas	R230,050	R21,524	R16,969	R16,863	R16,801	R17,600
California	R2,154,582	R204,019	148,471	173,962	174,402	184,580
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	NA	19,356	15,404	11,469	12,152	13,276
Delaware	NA	NA	NA	NA	NA	4,322
District of Columbia	NA	NA	3,847	2,166	1,190	1,152
Florida	682,546	45,449	47,955	64,781	65,361	70,196
Georgia	377,404	47,996	33,237	24,482	24,436	28,680
Hawaii	2,734	236	227	215	224	222
Idaho	NA	7,000	5,945	4,159	3,313	NA
Illinois	NA	131,534	100,701	74,222	43,246	50,730
Indiana	NA	67,310	49,031	36,740	27,853	NA
Iowa	215,148	27,101	22,082	14,427	10,475	9,963
Kansas	NA	26,521	22,126	13,411	16,192	NA
Kentucky	208,173	28,719	20,874	14,464	10,919	10,505
Louisiana	R1,072,386	R90,992	R86,004	R83,780	R86,539	R94,783
Maine	NA	NA	NA	NA	7,431	R7,757
Maryland	195,178	29,535	20,443	13,019	10,519	12,848
Massachusetts	R393,528	R46,570	R34,256	R27,414	R25,912	R25,475
Michigan	921,059	113,354	81,526	52,972	40,416	47,177
Minnesota	NA	44,554	36,880	27,027	15,053	NA
Mississippi	NA	26,363	NA	21,949	27,332	33,147
Missouri	R277,286	33,208	23,235	14,378	11,933	13,689
Montana	NA	NA	5,846	4,232	2,657	2,253
Nebraska	116,346	13,059	9,586	6,146	6,818	7,520
Nevada	175,652	16,547	14,856	13,809	13,996	14,624
New Hampshire	NA	R3,073	2,298	NA	NA	NA
New Jersey	NA	NA	51,661	36,862	34,370	NA
New Mexico	R117,096	11,854	R8,593	6,955	6,530	7,763
New York	1,252,651	127,625	108,822	83,041	83,935	97,894
North Carolina	244,399	27,643	19,524	15,550	15,156	19,403
North Dakota	NA	4,302	3,512	3,093	1,553	NA
Ohio	827,680	110,089	77,530	53,404	36,105	38,907
Oklahoma	R405,728	R33,556	R26,182	R24,962	R31,887	R40,177
Oregon	194,884	19,937	16,690	14,126	13,141	12,368
Pennsylvania	633,580	84,690	59,116	40,901	30,451	33,560
Rhode Island	NA	9,042	R7,539	5,503	5,410	5,600
South Carolina	183,532	16,496	12,476	11,018	11,703	15,871
South Dakota	28,974	3,598	3,230	2,114	1,017	890
Tennessee	NA	31,321	20,128	13,407	11,168	12,627
Texas	NA	277,711	NA	264,433	296,066	348,012
Utah	132,538	15,752	13,333	10,897	7,123	5,979
Vermont	8,281	999	797	478	341	329
Virginia	NA	32,253	NA	NA	14,745	18,113
Washington	232,413	25,662	21,060	15,396	12,849	11,725
West Virginia	R103,165	R12,763	R9,833	6,788	4,692	5,312
Wisconsin	381,114	49,635	39,144	28,492	16,887	16,364
Wyoming	NA	7,532	6,844	5,936	4,462	4,039
Total	R20,845,585	R2,157,755	R1,716,633	R1,480,806	R1,379,870	R1,540,247

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003
 (Million Cubic Feet) — Continued

State	2002					
	July	June	May	April	March	February
Alabama	29,978	27,482	23,870	26,183	31,929	33,273
Alaska	11,446	NA	NA	10,482	11,259	11,497
Arizona	19,311	16,485	14,438	14,248	NA	19,930
Arkansas	R17,198	R16,947	R15,335	R19,058	R22,293	R24,963
California	193,302	160,625	153,357	159,717	200,926	181,502
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	13,054	10,956	12,520	NA	NA	NA
Delaware	6,834	3,016	3,114	4,231	5,296	5,320
District of Columbia	1,137	1,143	1,528	2,045	3,678	4,192
Florida	67,594	62,626	58,344	56,644	50,985	41,980
Georgia	28,366	24,766	23,198	24,061	33,778	39,934
Hawaii	239	224	226	234	225	226
Idaho	NA	3,584	4,567	5,692	7,960	8,660
Illinois	NA	49,236	61,100	93,385	124,409	119,301
Indiana	30,217	27,276	32,202	44,407	58,059	58,667
Iowa	9,817	10,114	13,401	18,695	25,611	24,856
Kansas	17,992	14,103	13,865	17,372	25,482	24,967
Kentucky	12,871	11,299	12,182	14,375	22,940	24,179
Louisiana	R93,379	R88,401	R84,631	R87,619	R94,445	R88,133
Maine	NA	NA	NA	NA	7,776	7,309
Maryland	10,441	8,883	8,919	12,619	20,768	22,880
Massachusetts	R22,115	R23,872	R29,148	R31,716	R41,371	R41,686
Michigan	52,007	52,426	63,615	86,554	103,592	108,258
Minnesota	16,535	15,069	21,577	28,735	NA	36,109
Mississippi	37,557	31,012	25,350	28,352	32,928	31,923
Missouri	15,546	13,273	16,373	24,540	34,810	36,000
Montana	2,221	2,913	4,023	NA	7,167	6,773
Nebraska	8,910	4,960	6,627	10,315	12,693	13,835
Nevada	14,039	13,071	11,819	11,155	15,996	17,060
New Hampshire	R941	NA	1,863	2,201	2,946	2,984
New Jersey	NA	34,205	35,689	46,321	58,180	65,385
New Mexico	9,050	7,646	7,782	9,599	12,946	14,126
New York	90,267	83,727	83,721	104,279	124,184	128,994
North Carolina	18,922	16,135	14,532	18,048	24,435	26,037
North Dakota	1,479	NA	2,428	3,079	NA	3,946
Ohio	41,712	42,132	53,355	71,359	95,800	99,805
Oklahoma	R36,156	R29,644	R26,931	R34,615	R38,870	41,877
Oregon	9,540	11,526	12,786	14,670	21,361	22,285
Pennsylvania	32,401	33,662	38,723	54,038	71,655	72,738
Rhode Island	5,687	5,628	6,234	6,797	NA	8,949
South Carolina	16,345	15,029	14,946	14,556	16,619	17,888
South Dakota	1,399	1,159	1,634	2,602	3,902	3,497
Tennessee	12,436	NA	13,905	19,739	27,347	31,383
Texas	357,720	334,502	300,200	320,744	301,308	276,497
Utah	5,589	5,523	7,465	8,370	15,015	17,435
Vermont	324	422	569	804	954	1,143
Virginia	18,050	15,150	14,749	17,069	22,773	26,593
Washington	10,549	11,958	15,835	21,072	27,499	28,051
West Virginia	5,033	5,373	7,032	8,734	11,760	12,308
Wisconsin	16,913	16,314	24,361	31,852	48,191	43,495
Wyoming	NA	4,289	5,395	NA	NA	5,991
Total	R1,577,473	R1,426,499	R1,448,754	R1,705,981	R2,069,538	R2,047,917

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003

(Million Cubic Feet) — Continued

State	2002	2001				
	January	Total	December	November	October	September
Alabama	36,232	299,529	25,740	23,645	24,185	21,618
Alaska	12,702	132,428	13,523	11,926	11,290	9,784
Arizona	19,942	218,484	19,526	12,349	14,282	14,492
Arkansas	^24,498	217,640	22,233	19,675	18,239	15,014
California	219,717	2,398,461	213,731	174,852	184,135	185,179
Colorado	NA	332,075	36,430	23,228	17,910	15,012
Connecticut	19,376	143,183	15,375	12,339	11,368	11,297
Delaware	5,804	50,044	3,419	3,908	5,078	4,923
District of Columbia	4,776	29,493	2,737	2,088	1,231	1,087
Florida	50,631	533,855	47,598	42,205	52,955	55,306
Georgia	44,471	343,212	34,451	23,984	25,681	21,860
Hawaii	236	2,818	225	217	220	226
Idaho	8,836	73,655	8,984	7,528	5,611	4,609
Illinois	131,204	940,403	115,418	74,519	67,168	41,870
Indiana	65,424	494,360	51,997	39,146	34,650	25,697
Iowa	28,605	215,309	23,400	16,864	14,475	10,493
Kansas	29,140	224,347	20,634	14,263	11,363	13,390
Kentucky	24,845	191,531	23,216	16,271	12,591	10,024
Louisiana	^93,678	1,067,867	92,641	85,017	92,077	93,089
Maine	^7,995	94,569	9,127	9,644	8,864	8,835
Maryland	24,303	181,626	17,772	13,988	13,035	9,245
Massachusetts	^43,993	345,791	31,456	24,646	24,627	22,753
Michigan	119,161	874,325	92,054	71,352	59,283	40,141
Minnesota	42,111	321,875	38,521	25,780	22,592	14,708
Mississippi	34,832	298,263	28,355	24,652	28,525	28,537
Missouri	^40,301	281,763	29,876	18,230	13,682	12,056
Montana	7,648	54,476	6,696	5,081	3,446	2,135
Nebraska	15,877	118,890	11,012	10,730	5,854	5,506
Nevada	18,682	175,505	17,842	12,525	12,854	12,067
New Hampshire	3,058	23,373	2,520	1,904	1,589	1,182
New Jersey	73,028	560,887	54,229	42,514	36,818	28,920
New Mexico	14,254	146,581	13,069	9,364	8,499	8,665
New York	136,164	1,165,279	117,809	85,604	85,322	84,793
North Carolina	29,015	196,507	19,179	15,898	14,792	11,188
North Dakota	5,001	38,787	4,459	3,065	3,013	1,944
Ohio	107,482	784,974	86,903	59,755	48,346	32,984
Oklahoma	40,872	441,965	37,151	30,479	33,244	34,531
Oregon	26,454	218,457	22,088	18,230	16,813	15,095
Pennsylvania	81,644	595,675	63,086	46,617	38,461	29,504
Rhode Island	10,617	95,288	9,231	6,918	7,652	7,493
South Carolina	20,585	138,846	12,725	11,334	11,870	9,077
South Dakota	3,932	30,753	3,617	2,126	1,661	1,058
Tennessee	36,423	242,044	23,233	19,007	16,132	11,567
Texas	325,721	3,985,395	306,415	283,703	303,798	310,077
Utah	20,057	134,650	18,505	11,646	9,189	6,572
Vermont	1,120	7,905	827	658	438	361
Virginia	31,232	228,413	23,733	21,748	14,257	15,146
Washington	30,757	303,411	37,503	30,230	23,585	15,156
West Virginia	13,537	103,414	11,602	9,287	8,401	5,703
Wisconsin	49,468	356,712	41,411	26,978	25,355	16,713
Wyoming	8,500	60,375	6,170	5,518	4,790	3,688
Total	^2,294,113	20,533,988	1,970,692	1,564,429	1,512,641	1,363,740

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 7 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-906, "Power Plant Report."

Table 20. Average City Gate Price, by State, 2001-2003

(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003			2002	
				March	February	January	Total	December
Alabama	5.43	4.67	7.56	7.55	5.19	4.66	4.74	4.57
Alaska	2.30	2.42	2.38	2.30	2.22	2.35	NA	2.44
Arizona	4.74	3.49	6.70	5.21	4.74	4.32	3.79	4.12
Arkansas	NA	5.13	7.18	NA	NA	NA	R5.17	R5.41
California	NA	2.62	10.16	6.68	4.89	NA	NA	NA
Colorado	4.30	2.78	5.68	4.90	4.49	3.62	2.67	3.28
Connecticut	6.87	NA	10.00	7.49	5.89	7.33	NA	6.55
Delaware	5.58	4.86	7.28	6.37	5.37	5.11	NA	4.38
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.12	3.39	7.92	7.20	5.83	5.49	3.90	4.83
Georgia	6.65	3.17	7.98	8.66	R6.46	R5.88	4.58	5.36
Hawaii	8.30	6.21	8.43	8.72	8.30	7.89	7.17	7.90
Idaho	3.53	3.63	6.07	4.28	3.20	3.29	NA	3.10
Illinois	NA	3.28	7.78	8.69	6.55	NA	3.68	3.10
Indiana	NA	3.36	6.29	8.14	6.21	NA	3.58	4.10
Iowa	6.23	3.45	7.76	8.15	5.83	5.30	4.15	5.11
Kansas	6.33	3.81	8.40	8.61	5.67	5.33	4.11	5.26
Kentucky	5.68	4.27	7.92	7.30	5.71	4.98	4.45	4.72
Louisiana	NA	3.41	8.04	NA	NA	5.51	NA	5.12
Maine	5.76	4.23	7.07	6.97	5.70	4.90	4.03	4.56
Maryland	6.95	4.22	8.19	8.93	6.90	5.92	NA	5.47
Massachusetts	7.96	4.08	7.84	10.15	7.17	R7.16	NA	NA
Michigan	5.30	4.58	3.83	6.58	4.86	4.38	4.10	4.18
Minnesota	6.30	3.57	7.50	8.48	5.89	5.09	NA	5.08
Mississippi	NA	3.86	7.89	NA	NA	5.24	NA	4.49
Missouri	5.72	3.87	7.45	8.39	5.22	4.75	4.56	4.78
Montana	5.24	2.83	6.03	6.17	5.18	4.61	2.98	4.82
Nebraska	5.64	3.67	7.83	7.38	5.19	4.78	4.09	4.88
Nevada	4.78	4.30	6.07	6.65	4.09	4.04	4.39	4.68
New Hampshire	NA	4.32	5.37	8.42	NA	NA	NA	NA
New Jersey	7.06	4.67	7.75	9.29	6.61	6.08	5.31	5.87
New Mexico	NA	2.48	5.41	NA	NA	NA	2.91	4.04
New York	NA	3.90	7.06	7.25	NA	R5.41	NA	R5.21
North Carolina	6.74	3.88	8.53	9.58	6.24	5.67	4.52	5.20
North Dakota	5.60	3.36	7.44	7.00	5.21	4.89	NA	5.38
Ohio	6.74	4.23	9.16	8.46	7.05	6.01	4.72	5.00
Oklahoma	5.67	4.06	7.89	7.81	5.30	4.84	4.23	4.56
Oregon	4.43	4.99	5.01	4.25	4.37	4.64	NA	4.69
Pennsylvania	6.16	4.82	7.50	7.72	6.13	5.44	NA	5.20
Rhode Island	5.86	4.11	6.55	8.98	5.98	4.35	4.79	4.47
South Carolina	6.74	4.56	7.38	9.45	6.28	5.72	4.91	4.89
South Dakota	6.06	3.94	8.16	8.50	5.38	5.03	4.21	5.13
Tennessee	6.17	4.07	7.87	7.68	6.14	5.45	4.13	4.80
Texas	NA	3.40	7.55	7.54	NA	4.90	NA	4.29
Utah	4.82	4.36	6.13	4.32	5.12	4.97	4.07	4.56
Vermont	5.26	5.06	5.28	4.73	5.52	5.43	4.85	4.54
Virginia	6.19	NA	7.55	6.69	6.56	5.65	NA	5.52
Washington	5.07	3.34	7.42	6.44	R4.48	R4.48	3.83	4.24
West Virginia	NA	3.86	4.44	NA	NA	4.30	4.30	3.89
Wisconsin	6.16	3.64	7.51	8.36	5.73	5.03	4.36	4.90
Wyoming	2.67	3.97	7.85	2.98	2.59	2.47	NA	NA
Total	6.10	3.89	7.51	7.61	R5.88	R5.26	R4.14	R4.69

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	November	October	September	August	July	June	May	April
Alabama	4.97	5.05	4.69	4.81	5.18	5.22	4.89	4.37
Alaska	NA	2.27	2.39	NA	2.38	2.31	2.34	2.39
Arizona	3.92	3.77	4.32	4.26	4.16	3.78	3.80	3.70
Arkansas	R5.21	R5.07	R4.89	R5.10	R5.58	R4.75	R4.97	R5.08
California	4.04	3.35	2.86	2.82	3.10	2.98	3.18	3.85
Colorado	3.01	2.08	1.70	1.59	1.95	3.65	2.38	2.87
Connecticut	6.48	6.32	NA	6.54	7.17	6.97	6.74	NA
Delaware	NA	8.54	5.32	4.32	5.38	NA	5.40	5.80
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.74	4.27	3.66	3.47	4.29	3.78	3.95	4.01
Georgia	5.67	5.53	5.27	4.85	5.19	5.27	6.39	3.70
Hawaii	8.20	7.78	7.76	7.53	7.66	7.62	6.66	6.44
Idaho	3.11	3.43	NA	NA	6.28	4.71	3.43	3.36
Illinois	4.51	4.49	4.68	3.30	3.76	3.96	3.53	3.93
Indiana	4.31	3.66	2.96	2.29	2.60	3.80	3.61	3.89
Iowa	4.79	4.41	4.17	5.08	5.01	4.86	4.21	4.03
Kansas	5.07	3.89	3.47	3.21	3.63	4.39	4.26	4.77
Kentucky	4.71	4.35	3.91	4.17	3.77	3.97	4.65	5.47
Louisiana	NA	4.46	4.37	3.59	3.82	4.10	4.07	3.80
Maine	4.61	3.87	3.15	3.73	3.49	3.76	3.42	3.37
Maryland	5.24	5.44	4.43	NA	5.69	5.46	5.34	5.30
Massachusetts	4.61	5.15	6.26	7.38	7.41	7.35	5.56	4.23
Michigan	4.11	3.87	3.96	3.68	3.84	3.93	3.94	3.51
Minnesota	4.91	4.08	3.96	NA	3.98	4.13	3.83	3.54
Mississippi	NA	4.31	3.92	3.01	3.78	4.18	3.88	4.42
Missouri	4.92	4.89	5.79	5.60	6.43	6.44	5.46	4.94
Montana	3.70	2.86	2.53	2.00	1.75	2.16	2.76	3.05
Nebraska	4.59	4.03	3.98	4.08	4.02	4.17	4.36	4.31
Nevada	4.45	4.33	4.87	5.18	4.61	3.99	3.81	4.35
New Hampshire	3.59	3.97	3.59	3.37	3.50	3.22	3.43	4.37
New Jersey	5.96	5.98	5.75	5.11	5.65	5.90	5.74	4.48
New Mexico	3.58	2.96	2.20	2.57	2.55	2.17	2.42	2.90
New York	R4.63	4.13	NA	3.10	3.21	3.47	3.59	3.57
North Carolina	5.15	4.86	4.75	4.48	4.54	4.92	4.39	4.51
North Dakota	4.42	3.19	3.56	NA	2.42	3.27	3.63	3.54
Ohio	4.84	7.24	4.34	2.48	3.69	5.29	7.73	6.27
Oklahoma	4.79	4.29	4.01	3.34	3.51	3.48	3.93	4.14
Oregon	4.76	5.43	NA	NA	NA	5.69	5.46	NA
Pennsylvania	5.12	5.46	NA	4.56	5.88	5.73	5.62	NA
Rhode Island	5.09	6.02	7.01	5.03	5.99	5.82	5.40	5.08
South Carolina	4.96	5.21	5.19	5.03	5.11	5.35	5.35	5.23
South Dakota	4.23	3.32	3.71	4.25	3.97	4.89	4.10	4.98
Tennessee	4.46	4.01	3.69	3.66	3.82	3.83	4.13	3.50
Texas	NA	4.35	3.54	3.63	3.44	3.69	4.19	4.13
Utah	3.81	3.53	3.93	2.55	3.48	4.00	3.54	3.60
Vermont	4.30	4.43	5.14	5.53	5.13	5.31	4.65	4.81
Virginia	4.73	5.41	5.98	5.00	5.87	6.28	5.62	4.47
Washington	4.45	3.51	3.81	3.80	4.34	4.73	4.07	4.28
West Virginia	4.64	4.45	5.84	6.64	6.61	6.66	4.67	4.44
Wisconsin	5.01	4.58	5.59	5.76	5.89	5.65	4.19	4.32
Wyoming	NA	NA	3.99	3.16	NA	2.59	2.62	4.07
Total	R4.61	R4.29	4.07	R3.62	R3.92	4.14	R4.07	R4.17

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2002			2001				
	March	February	January	Total	December	November	October	September
Alabama	4.49	4.80	4.71	6.63	4.99	4.99	5.11	5.45
Alaska	2.41	2.41	2.44	2.32	2.34	2.30	2.29	2.25
Arizona	3.74	3.35	3.41	5.02	3.25	4.35	3.48	3.95
Arkansas	R ^a 5.16	R ^a 5.20	R ^a 5.02	6.11	5.67	2.60	4.93	3.93
California	2.76	2.42	2.68	6.64	2.80	3.15	2.38	2.71
Colorado	3.15	2.58	2.64	4.25	2.93	3.05	2.28	2.89
Connecticut	5.71	NA	6.72	8.12	5.07	6.30	4.23	5.84
Delaware	6.70	4.07	4.47	5.16	4.39	4.05	3.19	3.31
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.51	3.27	3.35	5.28	3.41	3.58	2.69	2.98
Georgia	3.18	4.21	2.44	6.02	3.77	4.28	3.55	3.81
Hawaii	6.03	6.10	6.49	7.86	6.95	7.53	7.42	7.92
Idaho	3.56	3.53	3.77	4.85	3.74	3.85	3.48	3.50
Illinois	3.13	3.16	3.52	5.54	3.48	3.56	2.46	2.60
Indiana	3.37	3.33	3.37	4.50	3.60	3.90	1.96	2.19
Iowa	3.51	3.39	3.46	5.92	2.09	3.60	2.84	3.78
Kansas	3.98	3.80	3.65	6.06	3.92	4.35	3.02	3.40
Kentucky	4.06	4.69	4.08	6.32	4.85	4.82	4.26	2.36
Louisiana	3.23	3.22	3.91	5.55	3.84	4.78	3.15	3.46
Maine	3.99	4.79	4.02	6.82	11.96	7.35	1.48	3.01
Maryland	4.18	4.44	4.06	6.78	4.61	5.47	4.66	4.34
Massachusetts	4.29	4.24	3.80	6.64	4.32	5.81	3.82	6.59
Michigan	4.76	4.45	4.54	4.08	3.54	3.74	3.68	3.86
Minnesota	3.64	3.65	3.42	5.84	4.02	4.73	2.57	3.67
Mississippi	3.62	3.76	4.14	6.00	4.12	4.41	3.37	3.56
Missouri	4.03	3.97	3.65	6.33	3.61	4.67	3.65	5.44
Montana	2.72	2.64	3.09	3.93	2.41	3.12	1.96	2.23
Nebraska	3.63	3.58	3.77	6.23	3.66	4.13	2.84	4.12
Nevada	4.48	4.27	4.20	5.06	4.18	4.98	3.54	4.67
New Hampshire	3.88	3.14	7.84	4.30	4.35	3.26	0.89	1.90
New Jersey	4.97	4.84	4.31	6.41	4.27	5.47	4.18	4.92
New Mexico	2.44	2.23	2.71	3.99	2.41	2.77	2.36	2.07
New York	3.98	3.47	4.19	4.71	3.84	2.22	3.12	3.02
North Carolina	3.81	3.72	4.06	6.74	4.11	4.73	4.63	5.05
North Dakota	3.23	3.26	3.54	4.82	2.51	4.34	2.10	2.86
Ohio	5.17	4.28	3.63	8.25	4.89	5.42	5.58	5.13
Oklahoma	3.79	4.07	3.92	6.48	4.49	5.10	4.95	5.18
Oregon	5.17	5.10	4.75	5.04	5.39	5.41	4.60	5.40
Pennsylvania	4.91	5.20	4.44	6.68	5.20	5.03	5.49	6.32
Rhode Island	4.18	4.07	4.08	6.40	4.14	5.28	6.09	7.66
South Carolina	4.39	4.30	4.96	6.16	4.95	5.03	4.18	4.63
South Dakota	3.69	4.04	4.10	6.21	2.05	3.94	3.25	4.16
Tennessee	3.78	3.99	4.35	6.11	4.13	4.79	3.79	3.70
Texas	3.29	3.25	3.61	5.13	3.28	3.83	2.76	3.04
Utah	4.18	4.54	4.34	5.61	5.01	4.69	4.76	6.65
Vermont	4.82	5.01	5.32	4.83	5.15	3.93	5.06	4.06
Virginia	3.33	3.99	NA	6.76	4.62	6.18	5.67	5.49
Washington	3.86	4.09	2.24	5.31	3.88	4.09	3.00	3.55
West Virginia	3.85	3.82	3.90	4.88	10.14	4.40	3.95	2.99
Wisconsin	3.47	3.74	3.71	5.90	3.50	4.33	2.85	3.68
Wyoming	3.95	3.98	3.97	6.39	4.44	4.91	4.63	5.35
Total	R^a3.85	R^a3.77	R^a4.04	5.72	3.90	4.02	3.37	3.66

^a 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 9 for discussion of computations and revision policy.

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

Table 21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2003
(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003			2002	
				March	February	January	Total	December
Alabama	9.83	9.68	11.20	11.18	9.45	9.40	10.57	9.44
Alaska	4.28	4.32	4.15	4.33	4.33	4.20	NA	4.31
Arizona	9.98	11.72	8.96	10.24	10.18	9.65	12.36	10.42
Arkansas	NA	8.83	10.38	NA	NA	NA	R8.95	R8.66
California	9.05	6.65	13.25	9.53	8.83	R8.87	R7.09	R7.73
Colorado	4.81	5.13	8.10	5.59	4.45	4.57	5.40	4.48
Connecticut	12.38	NA	12.59	14.52	11.57	11.71	NA	11.10
Delaware	9.53	10.68	8.26	10.69	9.59	8.67	11.05	9.41
District of Columbia	12.53	10.62	13.09	13.73	13.40	11.24	11.19	10.71
Florida	14.46	12.08	14.90	17.64	14.03	13.14	13.91	13.05
Georgia	13.09	9.03	11.18	13.27	11.09	9.52	9.92	9.07
Hawaii	24.75	23.32	22.70	25.60	24.88	23.82	23.10	18.44
Idaho	6.69	8.87	7.78	6.76	6.67	6.64	8.42	6.76
Illinois	7.96	5.04	11.07	10.19	7.37	7.08	6.32	6.84
Indiana	8.92	6.64	9.61	10.96	8.65	8.06	NA	7.82
Iowa	8.31	5.73	9.95	9.83	7.73	7.75	7.05	7.77
Kansas	7.32	7.37	9.42	7.86	7.33	6.88	8.06	7.00
Kentucky	7.72	7.08	9.85	8.90	7.52	7.33	7.56	7.05
Louisiana	NA	6.90	11.70	NA	NA	8.38	NA	8.59
Maine	11.14	11.23	11.53	12.00	11.77	9.87	NA	13.09
Maryland	10.35	8.84	11.90	10.97	9.50	9.19	9.71	9.15
Massachusetts	11.58	9.69	12.20	12.40	11.33	R11.09	NA	NA
Michigan	6.30	5.97	5.06	6.61	6.21	6.13	6.32	6.04
Minnesota	8.41	5.87	10.27	10.89	7.79	7.25	NA	7.05
Mississippi	NA	6.68	10.89	NA	NA	8.89	NA	7.41
Missouri	8.05	7.12	10.04	8.49	8.01	7.75	7.94	7.75
Montana	6.05	5.37	7.23	6.32	6.02	5.84	5.27	4.98
Nebraska	7.11	5.29	9.37	8.27	6.68	6.52	6.12	6.30
Nevada	8.17	9.28	7.96	8.25	8.31	7.99	9.69	8.64
New Hampshire	NA	9.39	12.45	9.81	9.63	NA	R9.90	R9.96
New Jersey	7.63	7.09	7.06	7.91	7.62	7.42	7.26	7.34
New Mexico	NA	6.14	7.46	NA	NA	NA	6.60	6.32
New York	NA	9.02	11.48	10.98	NA	9.41	9.76	9.20
North Carolina	9.74	8.33	12.26	11.03	9.35	9.34	9.36	9.40
North Dakota	6.77	4.68	9.25	8.07	6.39	6.11	NA	5.41
Ohio	9.29	7.11	9.98	8.86	8.41	7.78	7.52	7.59
Oklahoma	7.15	7.49	9.43	7.67	R7.55	6.37	NA	R7.18
Oregon	9.30	10.55	8.93	9.34	9.33	9.23	10.55	9.32
Pennsylvania	9.80	8.47	10.87	10.07	9.45	9.45	9.43	9.17
Rhode Island	10.74	11.27	11.49	10.78	10.66	10.81	R11.39	8.58
South Carolina	11.01	9.54	12.63	12.37	10.46	10.74	10.02	10.26
South Dakota	7.74	6.07	10.07	8.92	7.63	6.92	6.77	7.47
Tennessee	9.33	7.29	10.63	9.79	9.33	9.07	7.87	8.00
Texas	NA	5.77	9.71	9.74	NA	6.92	NA	6.99
Utah	6.87	6.14	8.47	6.85	6.61	7.16	6.38	6.77
Vermont	9.28	9.99	9.22	9.29	9.23	9.33	10.39	9.45
Virginia	NA	8.46	11.88	13.60	NA	9.27	9.71	9.19
Washington	NA	9.64	9.28	7.44	NA	7.46	9.35	7.47
West Virginia	NA	NA	7.43	NA	NA	NA	NA	7.84
Wisconsin	9.20	6.76	10.01	11.45	8.64	8.23	7.37	8.02
Wyoming	5.93	5.38	8.53	5.81	5.94	6.02	NA	4.20
Total	8.76	7.21	10.09	10.29	R8.41	R8.07	R7.86	R7.80

See footnotes at end of table.

Table 21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	November	October	September	August	July	June	May	April
Alabama	11.47	14.52	14.37	14.52	14.40	12.98	13.39	11.07
Alaska	4.26	4.31	4.56	4.94	5.17	NA	4.50	4.33
Arizona	12.46	15.00	16.03	16.37	16.04	14.59	13.73	12.26
Arkansas	^R 8.30	^R 8.75	^R 10.06	^R 10.09	^R 10.17	^R 10.01	^R 9.70	^R 9.22
California	7.87	7.50	7.26	7.15	7.20	7.16	7.29	6.84
Colorado	4.64	5.08	7.76	9.31	9.06	9.07	6.81	5.90
Connecticut	10.98	11.89	14.52	12.46	15.04	12.56	12.17	11.12
Delaware	10.61	13.72	15.71	15.95	14.97	13.64	12.31	11.18
District of Columbia	11.58	11.77	15.60	11.36	11.55	11.59	11.87	12.76
Florida	15.94	16.89	17.09	16.96	16.53	15.73	15.15	13.81
Georgia	8.37	11.29	13.81	13.98	14.73	13.40	13.37	11.78
Hawaii	22.93	19.51	24.67	26.27	24.92	23.67	23.59	23.17
Idaho	7.11	7.58	7.94	8.63	9.56	9.74	9.34	9.16
Illinois	7.12	7.40	9.52	10.07	10.27	10.00	7.89	5.62
Indiana	7.78	7.58	10.95	11.35	NA	NA	8.89	7.67
Iowa	7.45	8.45	12.51	13.51	13.02	10.49	7.52	6.43
Kansas	7.24	10.12	12.12	12.61	12.64	11.69	10.43	8.69
Kentucky	7.12	9.05	10.44	11.28	11.32	9.65	10.15	7.47
Louisiana	^R 10.55	^R 10.91	NA	8.89	8.83	8.12	^R 9.30	^R 7.96
Maine	12.18	11.66	12.43	14.04	13.74	NA	10.51	11.69
Maryland	9.21	10.35	12.72	14.78	14.77	13.24	11.83	10.55
Massachusetts	9.81	9.75	11.64	12.05	10.96	9.76	9.05	9.62
Michigan	6.25	7.02	8.85	9.20	8.65	7.18	6.52	6.14
Minnesota	7.19	6.60	7.85	NA	8.38	7.84	6.62	6.80
Mississippi	NA	9.87	8.22	7.65	7.94	8.46	8.77	7.83
Missouri	7.97	10.09	12.47	13.46	12.69	10.71	8.89	7.40
Montana	4.65	4.87	6.06	6.84	6.35	5.85	5.16	5.23
Nebraska	6.43	7.65	9.48	9.83	9.54	8.49	7.11	5.81
Nevada	9.80	10.96	11.36	11.85	11.45	10.78	10.55	9.64
New Hampshire	9.23	11.05	12.08	13.24	^R 12.22	10.30	10.15	9.88
New Jersey	7.48	8.24	8.08	8.15	8.02	7.67	6.72	6.71
New Mexico	6.53	8.24	9.56	9.78	9.65	9.07	7.77	5.23
New York	9.78	11.57	13.12	13.47	12.42	11.89	10.01	9.41
North Carolina	9.53	11.53	14.85	16.04	15.20	13.50	11.06	8.79
North Dakota	5.13	4.44	6.43	NA	7.74	7.37	6.07	5.30
Ohio	7.82	8.52	10.41	10.60	8.97	8.07	7.17	6.99
Oklahoma	^R 7.84	^R 9.74	^R 10.77	^R 10.59	NA	^R 9.68	^R 9.02	7.54
Oregon	9.59	11.25	12.77	13.14	12.29	11.55	10.61	10.73
Pennsylvania	9.43	11.86	14.02	14.49	13.49	11.90	10.25	8.92
Rhode Island	^R 11.68	13.41	15.00	15.71	14.57	12.72	11.74	11.75
South Carolina	10.92	11.34	11.87	11.70	11.27	10.75	10.40	10.01
South Dakota	6.39	6.55	9.32	10.26	10.81	9.45	7.29	6.67
Tennessee	8.08	9.67	10.47	10.92	10.72	9.77	9.39	7.70
Texas	NA	9.08	10.76	10.84	10.53	10.32	11.03	6.34
Utah	6.33	5.59	7.48	7.53	7.22	7.10	6.52	6.68
Vermont	9.82	11.77	14.04	14.29	13.59	11.84	10.79	10.27
Virginia	8.90	11.15	15.67	12.92	16.41	16.98	12.87	11.17
Washington	8.19	9.29	10.46	10.56	10.42	10.17	9.98	9.78
West Virginia	8.08	8.87	11.63	12.85	11.93	12.02	8.98	8.46
Wisconsin	8.21	6.88	8.54	8.95	8.99	8.39	6.90	7.64
Wyoming	5.02	5.18	7.43	10.14	NA	6.59	5.81	5.41
Total	7.98	8.56	10.19	^R10.40	10.15	^R9.57	8.54	^R7.65

See footnotes at end of table.

Table 21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2002			2001				
	March	February	January	Total	December	November	October	September
Alabama	9.40	10.06	9.58	12.06	11.85	11.92	13.21	15.95
Alaska	4.31	4.27	4.39	4.23	4.10	4.05	4.27	4.51
Arizona	12.27	11.41	11.67	10.51	11.55	13.33	14.08	14.49
Arkansas	^R 8.74	^R 8.86	^R 8.89	10.03	8.32	8.74	8.52	11.32
California	5.99	6.67	7.11	10.43	6.08	5.88	6.05	7.33
Colorado	5.45	4.73	5.25	8.36	5.32	6.14	10.15	12.99
Connecticut	10.11	NA	10.88	12.20	10.56	10.92	10.98	14.10
Delaware	10.81	10.75	10.53	9.06	9.32	9.62	10.73	12.24
District of Columbia	10.88	10.23	10.78	12.65	11.11	10.97	12.09	13.22
Florida	12.28	11.75	12.16	15.73	13.64	14.57	15.81	17.04
Georgia	9.52	8.72	9.00	10.58	7.69	10.15	7.96	12.44
Hawaii	23.21	23.30	23.44	22.55	23.88	24.02	21.82	22.29
Idaho	8.96	8.79	8.88	8.48	8.96	9.15	9.60	10.03
Illinois	5.05	5.01	5.07	9.04	5.10	5.45	5.25	7.64
Indiana	6.37	6.58	6.90	9.57	6.45	7.68	8.35	11.07
Iowa	5.90	5.71	5.60	8.90	4.25	6.93	6.18	10.37
Kansas	7.39	7.15	7.54	9.38	7.30	8.48	9.96	14.26
Kentucky	6.25	7.51	7.35	9.54	7.25	7.60	9.58	11.28
Louisiana	^R 6.87	^R 6.94	^R 6.89	10.47	7.96	8.28	8.98	10.24
Maine	11.55	11.42	10.75	12.31	9.80	14.53	12.73	13.61
Maryland	9.05	8.34	9.16	11.66	9.32	9.78	8.95	13.51
Massachusetts	9.72	9.46	9.88	12.80	11.28	11.92	12.92	15.13
Michigan	6.11	6.07	5.78	5.77	5.93	5.97	6.34	7.83
Minnesota	5.87	5.75	5.98	8.74	5.81	6.91	5.51	7.30
Mississippi	6.37	7.04	6.66	10.32	8.27	7.98	8.04	9.70
Missouri	6.91	7.25	7.18	10.47	7.59	10.37	12.34	14.74
Montana	4.98	5.35	5.77	7.26	6.33	6.59	6.99	8.87
Nebraska	5.19	5.26	5.40	8.71	6.18	6.54	7.02	9.17
Nevada	9.20	9.07	9.53	8.96	8.23	11.16	11.53	12.11
New Hampshire	9.57	9.46	9.17	12.75	11.84	14.17	13.00	14.90
New Jersey	6.95	6.91	7.35	7.70	8.14	8.45	9.21	8.76
New Mexico	4.45	8.13	5.51	7.32	5.15	5.97	7.43	8.40
New York	9.20	8.74	9.12	11.75	10.89	11.16	11.57	13.14
North Carolina	8.02	8.59	8.33	12.34	10.48	10.19	11.81	15.33
North Dakota	4.52	4.71	4.82	7.68	4.86	5.15	4.92	7.28
Ohio	6.77	7.22	7.29	9.67	7.12	7.30	8.97	10.28
Oklahoma	7.48	7.61	7.38	9.58	7.33	9.13	10.60	12.14
Oregon	10.61	10.55	10.49	9.70	10.57	10.83	11.19	11.44
Pennsylvania	8.55	8.68	8.23	11.51	9.50	10.41	11.89	15.74
Rhode Island	11.45	11.26	11.13	12.17	12.25	13.35	13.68	13.54
South Carolina	9.26	9.93	9.43	12.09	10.49	9.69	11.70	13.33
South Dakota	6.17	6.03	6.00	8.57	4.64	6.57	5.84	8.72
Tennessee	7.27	7.62	7.04	10.16	7.97	8.26	9.62	10.38
Texas	5.18	6.69	5.55	8.90	5.53	7.63	7.70	9.90
Utah	6.06	6.17	6.18	8.09	7.03	7.48	6.82	9.53
Vermont	10.05	9.97	9.97	10.07	10.44	11.07	12.52	14.38
Virginia	8.49	7.97	8.86	11.96	9.14	10.22	13.04	16.13
Washington	9.71	9.60	9.62	9.79	9.59	9.72	10.22	11.27
West Virginia	8.06	7.99	NA	8.01	8.55	8.07	8.50	9.91
Wisconsin	6.68	6.59	6.97	8.76	6.54	7.46	5.01	6.44
Wyoming	5.22	5.64	5.35	8.45	6.61	7.23	8.64	10.64
Total	^R7.06	7.27	^R7.29	9.64	7.30	7.98	8.24	10.17

^R Revised Data.

NA Not Available.

Notes: Data through 2001 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 9 for discussion of

computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State,**2001-2003**

(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003			2002	
				March	February	January	Total	December
Alabama	9.06	8.72	10.27	10.00	8.80	8.70	8.99	8.69
Alaska	3.62	3.38	3.10	3.79	3.77	3.39	3.08	2.92
Arizona	7.64	9.15	7.53	7.72	7.63	7.59	8.45	7.68
Arkansas	NA	6.92	8.68	NA	NA	R6.66	R6.96	R6.91
California	NA	5.99	13.56	8.73	8.18	NA	R5.99	R7.35
Colorado	4.42	4.70	7.82	5.10	4.10	4.16	4.58	3.94
Connecticut	10.82	NA	9.50	13.35	9.57	10.08	NA	8.74
Delaware	8.28	9.42	9.55	9.29	8.26	7.61	9.40	8.15
District of Columbia	NA	10.28	13.16	13.41	12.13	NA	10.44	10.09
Florida	10.61	7.59	12.13	12.54	10.15	9.56	7.98	8.71
Georgia	11.22	7.12	11.41	11.42	8.97	8.09	8.05	7.31
Hawaii	18.92	17.18	18.12	19.55	18.65	18.59	17.81	18.89
Idaho	6.06	8.25	6.94	6.09	6.05	6.03	7.73	6.12
Illinois	7.75	5.18	10.43	9.50	7.19	6.99	6.19	6.75
Indiana	8.23	6.04	8.83	9.79	7.82	7.73	6.74	6.97
Iowa	7.31	4.79	8.59	8.50	6.90	6.78	5.48	6.09
Kansas	7.24	6.76	9.04	7.67	7.29	6.80	7.07	6.97
Kentucky	7.36	6.93	9.66	8.09	7.28	6.99	7.07	6.92
Louisiana	NA	6.47	10.92	NA	NA	8.03	R6.83	R7.92
Maine	10.28	10.40	10.43	11.11	9.76	10.13	NA	9.01
Maryland	9.56	6.87	11.25	8.98	7.85	7.57	6.82	7.19
Massachusetts	10.22	8.76	11.71	11.56	10.76	8.80	R8.63	R10.93
Michigan	6.19	5.80	4.96	6.55	6.07	6.03	6.05	6.22
Minnesota	7.86	4.87	9.57	10.22	7.28	6.66	NA	6.24
Mississippi	NA	5.51	10.02	NA	NA	7.54	NA	6.71
Missouri	7.81	6.75	10.13	8.14	7.81	7.52	7.08	7.43
Montana	6.10	5.44	6.98	6.37	6.10	5.87	5.28	5.05
Nebraska	6.90	4.73	9.11	8.12	6.57	6.15	5.02	5.88
Nevada	7.20	8.06	7.15	7.06	7.34	7.19	7.66	7.47
New Hampshire	NA	8.27	11.79	9.26	9.04	NA	8.02	8.83
New Jersey	8.48	5.78	8.97	9.98	8.09	7.57	6.31	7.25
New Mexico	NA	4.13	7.72	NA	NA	NA	4.53	5.25
New York	NA	6.88	11.66	10.04	NA	8.13	6.49	7.60
North Carolina	8.38	6.86	11.10	9.41	8.07	8.02	7.15	7.67
North Dakota	6.81	4.70	8.95	8.80	6.25	5.78	NA	5.16
Ohio	9.23	6.20	9.16	8.31	7.93	7.11	6.31	6.71
Oklahoma	7.40	7.39	9.26	7.78	R7.68	6.80	R7.28	R7.16
Oregon	7.75	9.15	7.61	7.77	7.74	7.76	8.83	7.78
Pennsylvania	9.78	7.20	10.74	9.53	8.83	8.16	7.44	7.99
Rhode Island	9.37	10.11	10.37	9.35	9.34	9.43	10.09	9.19
South Carolina	9.36	7.85	11.79	11.37	9.52	8.09	7.89	8.66
South Dakota	6.77	4.87	9.15	7.89	6.59	6.04	5.25	6.17
Tennessee	8.26	6.94	10.57	9.61	8.52	7.13	7.11	7.37
Texas	NA	4.91	8.22	8.67	NA	6.28	NA	6.36
Utah	5.52	5.23	7.21	5.57	5.34	5.66	5.21	5.57
Vermont	7.77	8.25	7.70	7.74	7.78	7.79	8.20	7.80
Virginia	NA	6.39	10.43	11.28	NA	R7.76	7.00	7.54
Washington	6.68	8.87	8.32	6.68	R6.69	R6.67	8.30	6.71
West Virginia	NA	7.24	5.99	NA	NA	7.48	7.11	7.11
Wisconsin	8.23	5.75	9.09	10.29	7.66	7.30	6.14	7.01
Wyoming	4.70	5.01	8.20	4.88	4.66	4.59	4.76	3.59
Total	8.33	6.39	9.49	10.70	7.83	R7.31	R6.57	R7.07

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2001-2003
(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	November	October	September	August	July	June	May	April
Alabama	9.20	9.62	9.56	9.57	9.55	9.22	9.45	9.24
Alaska	2.77	3.19	3.14	3.14	3.23	1.99	2.91	3.34
Arizona	8.01	8.20	8.09	8.09	7.99	8.03	8.16	8.24
Arkansas	^R 6.93	^R 6.76	^R 7.17	^R 6.72	^R 6.96	^R 6.95	^R 7.22	^R 7.19
California	6.94	5.77	5.40	5.29	5.44	5.36	5.63	6.07
Colorado	4.15	4.06	5.07	5.49	5.56	5.68	4.97	4.83
Connecticut	8.40	7.79	5.24	6.29	6.93	7.35	6.83	7.25
Delaware	8.84	10.07	10.50	10.73	10.83	10.67	9.77	9.70
District of Columbia	10.69	10.19	10.96	10.51	10.36	10.71	10.53	11.61
Florida	8.49	8.06	8.35	8.09	8.10	8.05	7.91	7.73
Georgia	7.46	8.78	9.59	10.25	11.20	10.46	9.46	9.45
Hawaii	17.42	18.55	18.38	17.83	18.41	18.39	17.24	16.97
Idaho	6.59	6.72	6.56	6.86	7.79	8.75	8.66	8.59
Illinois	6.93	6.89	7.74	8.21	8.61	8.91	7.36	5.61
Indiana	6.76	6.21	7.89	8.03	9.38	8.91	7.95	7.27
Iowa	6.01	5.92	6.82	7.34	7.12	6.63	5.81	5.21
Kansas	6.34	7.63	7.67	7.50	8.46	8.84	8.09	7.59
Kentucky	7.23	7.24	8.03	8.06	7.77	7.40	7.23	6.71
Louisiana	^R 7.99	^R 7.47	^R 6.81	^R 6.44	^R 6.70	^R 6.10	^R 6.54	^R 6.72
Maine	9.41	8.45	7.93	7.77	7.94	8.37	7.75	NA
Maryland	6.84	6.81	5.99	7.00	6.60	5.81	7.19	6.73
Massachusetts	^R 9.01	5.92	6.72	^R 7.70	7.58	7.96	7.53	8.28
Michigan	6.01	6.51	7.51	7.44	6.97	6.56	6.10	5.82
Minnesota	6.20	5.36	5.38	NA	5.27	5.53	5.76	5.83
Mississippi	NA	6.62	5.95	5.37	5.52	4.58	6.32	6.43
Missouri	7.23	7.55	8.11	8.46	8.46	7.58	6.97	6.69
Montana	4.69	4.69	5.64	5.86	5.86	5.67	5.27	5.33
Nebraska	5.52	4.88	4.81	4.64	4.84	5.01	5.11	4.91
Nevada	7.77	7.76	7.55	7.50	7.53	6.81	7.23	7.02
New Hampshire	8.21	7.14	6.09	6.12	6.45	7.07	7.28	8.39
New Jersey	7.08	7.24	6.47	6.52	6.53	6.27	5.89	5.79
New Mexico	^R 4.90	4.83	7.71	5.05	4.89	4.98	4.64	3.65
New York	6.38	6.30	5.58	5.41	5.56	6.06	6.47	6.65
North Carolina	7.85	7.33	7.66	7.83	7.84	6.85	6.53	6.34
North Dakota	4.92	4.01	4.33	NA	4.56	5.02	4.42	5.01
Ohio	6.67	6.62	6.53	6.64	6.11	6.00	5.90	5.92
Oklahoma	^R 7.07	^R 7.67	^R 7.59	^R 7.27	^R 7.15	^R 7.39	^R 7.22	6.87
Oregon	7.76	8.69	9.32	9.28	9.04	9.17	8.82	9.11
Pennsylvania	7.92	7.77	7.24	7.13	7.49	7.37	7.29	7.17
Rhode Island	10.07	9.93	11.57	10.55	10.90	11.04	9.83	10.40
South Carolina	8.58	7.47	7.47	7.37	7.20	7.55	7.35	8.07
South Dakota	5.24	4.87	5.63	5.91	5.95	6.10	5.60	5.15
Tennessee	7.24	7.44	7.26	7.37	8.31	7.09	7.27	6.63
Texas	NA	6.25	5.60	5.44	5.53	5.35	5.86	5.55
Utah	5.33	4.57	5.45	5.15	4.92	4.92	4.86	5.14
Vermont	7.81	8.08	8.63	8.69	8.68	8.49	8.29	8.29
Virginia	6.81	6.82	7.99	7.62	7.91	8.38	7.57	7.23
Washington	7.28	7.80	8.09	8.03	7.92	8.34	8.79	8.77
West Virginia	7.38	7.67	9.09	9.39	9.25	8.73	8.21	7.42
Wisconsin	7.00	5.48	5.83	5.86	6.09	6.11	5.41	6.49
Wyoming	4.07	4.23	4.92	5.59	4.91	5.06	4.87	4.90
Total	^R6.75	6.52	^R6.44	6.40	6.52	6.56	^R6.63	^R6.55

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2002			2001				
	March	February	January	Total	December	November	October	September
Alabama	8.63	8.99	8.54	10.41	9.73	9.55	10.04	11.00
Alaska	3.40	3.32	3.42	3.16	3.39	3.30	3.31	3.20
Arizona	9.04	8.98	9.40	7.86	8.86	8.46	7.98	7.94
Arkansas	^R 6.88	^R 7.04	^R 6.82	7.80	7.07	6.61	6.04	6.49
California	5.50	5.84	6.53	9.33	5.35	5.18	4.67	5.56
Colorado	5.04	4.18	4.91	7.71	4.84	5.18	8.13	9.70
Connecticut	5.98	NA	7.41	7.68	7.27	5.56	7.35	4.39
Delaware	9.41	9.34	9.49	10.27	10.30	10.38	10.99	11.48
District of Columbia	10.36	10.07	10.39	12.02	10.55	10.35	9.77	9.79
Florida	7.34	7.63	7.77	10.50	7.60	7.60	7.99	8.75
Georgia	7.54	7.06	6.87	9.19	6.60	6.26	6.26	6.03
Hawaii	16.92	17.03	17.58	17.61	18.00	18.27	17.48	17.30
Idaho	8.30	8.18	8.29	7.58	8.06	8.27	9.56	8.21
Illinois	5.31	5.11	5.14	8.55	5.15	5.49	4.80	6.30
Indiana	5.80	5.87	6.41	8.64	5.82	7.22	7.35	9.19
Iowa	4.98	4.69	4.72	7.24	3.20	5.22	4.21	6.23
Kansas	6.64	6.55	7.05	8.52	6.72	6.89	7.31	7.70
Kentucky	6.03	7.12	7.50	9.20	7.28	7.54	9.12	9.46
Louisiana	^R 6.57	^R 6.13	^R 6.71	8.59	7.30	7.47	5.27	5.85
Maine	10.36	10.81	10.08	10.77	13.43	9.63	5.52	9.15
Maryland	6.74	6.61	7.24	10.15	7.94	8.49	7.10	7.96
Massachusetts	8.29	8.78	9.15	11.41	9.63	9.48	11.18	10.94
Michigan	5.91	5.88	5.63	5.45	5.73	5.66	5.97	6.54
Minnesota	5.07	4.70	4.79	7.50	4.72	5.65	3.80	4.51
Mississippi	4.99	5.63	5.83	8.17	5.77	6.24	4.83	6.60
Missouri	6.45	6.84	^R 6.93	9.82	6.35	9.44	10.05	10.82
Montana	5.06	5.44	5.82	7.35	6.84	6.94	7.20	8.58
Nebraska	4.62	4.65	4.89	7.47	5.29	4.95	4.17	4.91
Nevada	8.07	7.81	8.28	8.00	8.21	9.83	8.54	8.48
New Hampshire	8.19	8.15	8.48	11.15	8.88	8.68	9.90	11.71
New Jersey	6.41	5.72	5.44	7.73	6.06	5.54	6.27	6.46
New Mexico	3.47	4.12	4.63	6.77	5.04	4.76	5.09	4.38
New York	6.73	6.94	6.97	9.61	7.32	6.92	6.47	7.12
North Carolina	6.54	6.94	7.03	10.14	8.09	7.93	8.52	9.07
North Dakota	4.34	3.78	5.77	6.96	4.39	4.71	3.88	5.15
Ohio	5.81	6.31	6.45	8.67	6.37	6.09	7.58	8.06
Oklahoma	^R 7.34	7.50	7.32	8.83	7.15	7.65	7.73	8.61
Oregon	9.12	9.18	9.15	7.99	9.12	9.05	8.55	8.02
Pennsylvania	7.16	7.18	7.25	10.67	8.48	9.71	9.65	11.52
Rhode Island	10.14	10.10	10.09	10.69	10.67	11.26	11.41	11.25
South Carolina	7.81	7.73	7.98	10.03	8.15	8.12	8.06	8.58
South Dakota	5.03	4.71	4.85	7.16	3.53	5.09	4.02	5.34
Tennessee	6.74	7.20	6.85	9.40	7.39	7.57	7.78	8.02
Texas	4.70	5.31	4.79	6.49	4.37	5.81	4.18	3.66
Utah	5.17	5.25	5.26	6.78	6.06	6.49	5.77	7.32
Vermont	8.23	8.30	8.23	7.95	8.35	8.61	8.65	8.85
Virginia	5.81	6.80	6.49	9.36	6.61	8.27	7.94	8.61
Washington	8.90	8.86	8.85	8.62	8.57	8.50	8.48	8.75
West Virginia	6.99	7.53	7.19	7.04	9.10	7.74	7.74	7.85
Wisconsin	5.70	5.52	5.99	7.54	5.41	6.13	3.60	4.54
Wyoming	4.92	5.30	4.93	8.27	4.90	6.65	8.08	8.81
Total	6.26	6.43	6.48	8.43	6.35	6.79	6.39	6.96

^R Revised Data.

NA Not Available.

Notes: Data through 2001 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 except in the States of Georgia, Maryland, New York, Ohio and Pennsylvania. See Appendix A, Explanatory Note 9 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," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

Table 23

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State,
2001-2003**
(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003			2002	
				March	February	January	Total	December
Alabama	NA	4.59	8.31	8.91	6.82	NA	4.30	4.55
Alaska	1.75	1.70	1.56	1.70	1.82	1.72	1.64	1.68
Arizona	6.62	NA	6.51	6.77	5.70	7.37	NA	5.94
Arkansas	NA	5.96	7.47	NA	NA	5.30	^5.97	^6.72
California	7.42	4.87	8.88	7.77	7.18	^7.36	NA	^6.17
Colorado	4.91	NA	6.60	4.14	6.57	6.25	NA	6.21
Connecticut	8.07	5.09	10.05	8.81	8.11	7.38	5.02	6.29
Delaware	6.09	6.24	7.29	7.24	5.88	5.40	6.16	5.53
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.83	4.36	8.55	5.74	6.19	5.46	4.72	5.43
Georgia	7.65	4.03	9.05	9.16	7.09	6.55	5.23	6.20
Hawaii	10.97	9.62	11.52	11.35	10.92	10.62	10.17	10.71
Idaho	5.45	7.78	5.38	5.41	5.37	5.56	6.76	4.91
Illinois	7.21	4.41	9.56	8.76	6.85	6.29	5.18	6.04
Indiana	8.31	6.06	9.67	11.23	8.04	7.06	5.74	6.16
Iowa	7.66	4.66	9.13	7.78	7.77	7.46	5.37	6.88
Kansas	6.93	4.67	8.87	7.50	6.58	6.74	4.10	5.28
Kentucky	6.86	4.53	8.43	8.83	6.40	5.89	4.59	5.31
Louisiana	6.18	3.55	7.60	8.02	^5.64	^5.14	3.90	4.60
Maine	10.10	NA	9.64	9.98	9.95	10.32	NA	7.81
Maryland	9.41	6.80	12.09	11.36	8.61	8.40	NA	8.06
Massachusetts	NA	7.54	9.42	10.56	9.35	NA	^7.27	^9.20
Michigan	5.10	4.97	4.40	5.45	5.02	4.87	NA	3.70
Minnesota	6.52	3.60	7.58	8.90	5.88	5.36	NA	4.74
Mississippi	6.72	3.92	8.77	8.68	6.12	5.60	4.37	5.27
Missouri	7.42	5.40	9.20	7.79	7.47	7.05	5.85	6.76
Montana	4.85	3.96	5.15	5.03	4.81	4.70	3.92	4.01
Nebraska	5.92	3.87	7.92	7.11	5.57	5.22	4.14	4.95
Nevada	8.63	7.59	5.93	8.94	8.64	8.39	7.69	7.17
New Hampshire	NA	NA	11.72	8.38	8.26	NA	NA	NA
New Jersey	7.65	4.26	9.56	8.78	7.63	6.38	4.92	6.24
New Mexico	NA	4.23	4.63	NA	NA	NA	4.19	6.23
New York	NA	6.31	9.83	8.87	NA	7.12	5.65	4.69
North Carolina	6.07	4.37	9.45	6.63	5.84	5.77	4.87	6.49
North Dakota	5.88	3.26	7.51	8.32	6.14	4.58	4.06	5.00
Ohio	7.47	6.24	7.09	8.34	7.46	6.78	6.25	6.59
Oklahoma	6.75	6.99	8.60	6.68	7.13	6.47	6.57	6.34
Oregon	6.07	7.36	6.00	6.14	6.20	5.88	6.95	5.90
Pennsylvania	8.70	7.51	8.14	9.82	8.39	7.97	6.89	7.21
Rhode Island	8.48	6.40	8.19	7.18	7.29	13.24	5.20	6.89
South Carolina	7.67	3.73	8.33	9.87	7.11	6.58	4.52	5.54
South Dakota	NA	4.10	7.69	NA	5.27	4.89	4.26	4.61
Tennessee	7.82	5.26	9.16	8.96	7.30	7.21	5.22	5.92
Texas	6.12	2.68	6.91	8.27	5.80	4.67	3.35	4.17
Utah	4.54	4.78	6.28	5.08	4.30	4.31	3.90	4.29
Vermont	4.90	4.41	6.37	5.04	4.67	4.92	4.39	4.80
Virginia	NA	5.15	8.62	9.86	NA	6.33	4.46	5.84
Washington	NA	5.36	6.10	5.87	NA	5.05	4.80	5.15
West Virginia	NA	4.22	7.38	NA	NA	4.72	^4.65	^5.58
Wisconsin	7.71	5.19	9.27	10.07	6.98	6.62	5.42	6.35
Wyoming	NA	4.75	6.35	NA	^5.79	^5.86	4.52	4.50
Total	6.43	3.87	7.50	8.08	^6.15	^5.30	^4.00	^4.87

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	November	October	September	August	July	June	May	April
Alabama	4.66	3.75	3.95	3.72	3.89	3.95	4.77	4.28
Alaska	1.69	1.55	1.57	1.56	1.58	1.66	1.62	1.64
Arizona	6.12	6.07	6.38	6.35	6.31	6.20	6.34	6.44
Arkansas	^R 6.30	^R 5.71	^R 6.05	^R 5.35	^R 5.62	^R 5.82	^R 6.02	^R 5.88
California	NA	5.16	4.58	4.42	4.66	4.57	4.98	5.63
Colorado	5.52	4.68	4.43	4.23	4.32	4.69	4.88	5.16
Connecticut	5.68	4.93	4.97	4.16	4.12	4.76	4.86	4.15
Delaware	5.84	6.34	6.68	6.47	6.29	7.23	5.47	6.16
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.87	4.96	4.86	4.75	4.82	5.12	4.84	4.29
Georgia	5.93	5.31	5.37	5.23	5.51	5.42	7.25	5.01
Hawaii	10.98	10.24	10.65	10.43	10.22	10.63	9.97	9.66
Idaho	4.26	5.45	5.43	5.94	5.70	7.48	7.78	7.75
Illinois	6.02	5.38	5.17	5.36	5.19	5.67	6.02	4.84
Indiana	5.41	4.37	4.42	5.04	5.47	6.17	7.63	7.18
Iowa	6.01	5.48	4.92	4.75	5.03	5.17	5.16	4.79
Kansas	5.48	4.62	3.93	3.75	3.83	3.88	3.99	4.00
Kentucky	5.41	4.62	4.21	3.95	4.10	4.22	4.46	4.53
Louisiana	4.57	4.18	4.34	3.41	3.78	3.78	3.80	3.69
Maine	6.25	5.51	4.57	4.40	4.39	4.41	4.93	4.43
Maryland	6.68	6.62	5.90	NA	5.93	8.24	8.15	^R 6.16
Massachusetts	^R 6.73	^R 6.10	^R 7.61	^R 6.50	^R 5.64	^R 5.77	^R 7.37	^R 6.74
Michigan	5.03	5.14	5.20	5.39	NA	5.09	4.93	4.81
Minnesota	5.05	4.26	4.02	NA	NA	4.88	3.96	4.54
Mississippi	5.13	4.75	4.18	4.11	4.19	4.25	4.25	4.52
Missouri	6.41	6.28	6.02	6.08	6.29	5.92	5.94	5.88
Montana	3.70	4.12	4.67	5.14	4.57	3.74	3.41	3.58
Nebraska	4.75	4.12	3.98	3.82	4.04	3.64	4.33	4.36
Nevada	9.32	8.96	8.98	8.92	9.01	6.63	7.03	6.73
New Hampshire	6.99	6.55	6.30	6.63	6.81	5.53	5.99	NA
New Jersey	5.59	5.32	4.34	4.81	5.01	4.95	5.06	4.86
New Mexico	5.34	4.01	3.80	3.79	3.77	3.96	3.90	3.43
New York	6.45	5.59	5.27	5.23	5.37	5.21	5.58	5.75
North Carolina	5.76	4.97	4.59	4.58	4.91	4.81	4.24	4.56
North Dakota	4.69	4.21	3.79	3.84	3.83	3.92	5.30	4.49
Ohio	6.68	6.26	6.62	5.88	5.39	5.56	5.34	6.06
Oklahoma	6.15	6.07	5.39	4.85	7.07	6.39	6.04	7.61
Oregon	5.83	5.87	7.32	7.18	6.74	7.06	7.23	7.15
Pennsylvania	7.37	6.21	5.92	6.08	6.11	5.96	6.25	7.06
Rhode Island	3.16	5.54	4.59	4.65	4.91	4.67	6.88	5.75
South Carolina	5.39	5.11	4.72	4.62	4.53	4.50	4.51	4.36
South Dakota	4.35	3.98	3.88	4.49	4.51	4.53	4.41	4.06
Tennessee	5.60	5.12	5.07	4.56	4.57	4.99	5.26	5.21
Texas	4.01	3.70	3.47	3.18	3.46	3.47	3.58	2.89
Utah	3.69	2.59	2.59	2.79	2.87	4.05	4.34	4.63
Vermont	4.47	4.61	4.22	4.04	4.19	4.23	4.41	4.08
Virginia	4.25	3.34	2.97	3.52	3.88	4.40	4.10	4.79
Washington	4.60	3.86	4.37	4.57	3.41	5.28	4.52	5.09
West Virginia	^R 5.57	5.01	4.33	4.34	4.35	4.74	4.54	4.76
Wisconsin	6.58	4.99	4.57	4.42	4.80	5.35	4.65	5.70
Wyoming	4.39	4.09	4.20	4.32	4.21	4.69	4.60	4.73
Total	^R4.67	^R4.14	^R3.87	3.64	3.78	^R3.83	^R4.02	^R3.62

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2001-2003
(Dollars per Thousand Cubic Feet) — Continued

State	2002			2001				
	March	February	January	Total	December	November	October	September
Alabama	4.28	4.67	4.81	6.33	4.72	4.83	4.56	4.75
Alaska	1.66	1.68	1.74	1.66	1.86	1.79	1.82	1.76
Arizona	NA	7.18	7.15	6.23	6.71	6.44	6.13	6.23
Arkansas	R5.84	R6.12	R5.92	6.38	5.74	5.83	5.37	5.57
California	4.37	4.63	5.66	6.60	3.75	3.40	3.31	3.83
Colorado	NA	7.80	7.03	4.40	3.42	2.75	3.73	4.47
Connecticut	4.94	5.16	5.22	6.77	5.92	5.15	4.61	5.22
Delaware	6.11	6.02	6.58	6.85	6.11	5.68	6.19	6.29
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.97	3.46	5.06	6.98	4.24	4.51	5.66	5.76
Georgia	3.76	3.96	4.40	5.89	3.39	4.52	3.00	3.78
Hawaii	9.85	10.48	8.59	11.11	10.56	10.76	11.18	10.62
Idaho	8.07	7.65	7.64	6.43	8.76	7.17	7.10	7.99
Illinois	4.43	4.65	4.15	6.88	4.34	3.54	3.70	4.53
Indiana	4.60	6.20	7.62	8.14	3.34	7.01	3.85	5.46
Iowa	4.69	4.40	4.77	6.48	3.42	4.25	3.87	5.26
Kansas	4.02	4.93	5.28	4.97	3.99	3.09	3.29	4.65
Kentucky	4.11	4.65	4.83	6.51	4.77	5.09	4.78	4.29
Louisiana	3.62	3.26	3.77	5.03	3.58	3.84	3.53	4.11
Maine	3.73	NA	7.25	8.00	4.60	4.42	5.75	8.25
Maryland	6.75	6.12	7.62	9.07	6.62	7.00	6.00	6.20
Massachusetts	R7.08	R7.49	R8.04	9.36	8.07	7.95	7.62	9.79
Michigan	4.97	5.01	4.93	4.77	5.13	5.16	5.14	5.17
Minnesota	3.48	3.57	3.85	5.16	4.14	4.01	2.48	3.67
Mississippi	3.83	3.72	4.20	5.79	3.72	4.68	3.79	4.04
Missouri	5.00	5.29	5.97	7.49	2.74	7.61	7.63	7.78
Montana	3.72	3.90	4.30	5.17	4.68	4.84	5.79	6.55
Nebraska	3.90	3.59	4.07	5.87	4.06	4.11	3.38	3.90
Nevada	7.85	7.01	7.71	7.00	7.24	8.57	8.35	6.62
New Hampshire	NA	NA	6.06	7.92	4.60	5.27	3.71	4.59
New Jersey	4.17	4.58	4.06	6.69	4.76	4.29	4.02	4.87
New Mexico	3.94	4.41	4.64	6.18	4.25	3.44	3.87	3.74
New York	6.25	6.41	6.26	7.72	6.41	5.06	4.94	7.11
North Carolina	3.54	4.55	4.98	6.99	5.14	4.90	5.33	5.30
North Dakota	6.24	2.22	1.17	5.27	3.36	4.04	2.50	3.10
Ohio	5.80	6.22	6.66	6.58	5.16	4.90	5.51	7.05
Oklahoma	7.04	7.06	6.88	8.08	6.96	6.78	7.48	6.83
Oregon	7.29	7.38	7.40	6.09	7.25	7.25	6.62	5.71
Pennsylvania	7.50	7.45	7.58	7.18	6.38	6.87	4.69	5.80
Rhode Island	5.87	6.70	6.85	6.61	6.48	5.65	4.85	5.76
South Carolina	3.72	3.41	4.03	5.55	3.99	4.59	3.38	3.90
South Dakota	4.08	4.10	4.14	6.08	4.05	4.06	4.26	5.01
Tennessee	5.29	5.12	5.37	6.85	5.20	4.25	4.84	5.52
Texas	2.78	2.41	2.84	4.41	2.63	3.06	2.29	2.59
Utah	4.59	4.74	4.96	5.29	4.91	5.05	4.26	4.93
Vermont	4.36	4.40	4.46	5.02	4.24	4.31	4.45	4.38
Virginia	4.98	4.79	5.69	5.99	4.49	5.59	4.24	4.85
Washington	4.85	5.61	5.61	5.02	4.31	3.99	3.82	4.72
West Virginia	4.05	3.75	4.70	4.76	5.02	4.17	3.63	3.48
Wisconsin	5.02	4.99	5.52	7.50	5.59	6.01	3.64	4.53
Wyoming	4.71	4.75	4.78	6.33	3.95	4.09	7.08	6.89
Total	R3.80	R3.72	4.08	5.28	3.75	3.92	3.23	3.56

^R Revised Data.

NA Not Available.

— Not Applicable.

Notes: Data through 2001 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 9 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 Sold to Electric Utility^a Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003		2002		
				February	January	Total	December	November
Alabama	6.13	2.49	8.86	6.81	\$5.55	3.59	4.82	4.67
Alaska	2.02	2.57	2.12	2.03	\$2.02	2.22	1.98	2.02
Arizona	5.73	2.87	8.28	6.16	\$5.08	3.26	4.82	3.97
Arkansas	6.59	2.65	8.41	6.78	\$6.44	3.60	4.89	4.26
California	4.90	5.11	13.38	5.22	\$4.50	4.07	4.65	4.25
Colorado	3.67	2.83	6.61	3.55	\$3.78	2.62	3.47	3.16
Connecticut	—	—	—	—	—	—	—	—
Delaware	8.18	3.17	9.14	9.21	\$7.28	3.66	5.58	4.23
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.58	3.40	9.86	6.72	\$4.83	4.22	5.90	4.73
Georgia	—	2.95	7.07	—	—	3.10	6.65	2.35
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	6.39	3.17	8.19	6.41	\$6.37	3.53	5.50	5.00
Indiana	3.57	3.19	7.87	2.86	\$5.41	3.85	4.82	4.96
Iowa	6.19	3.18	6.10	6.59	\$5.74	3.87	4.89	5.15
Kansas	5.75	2.26	7.63	6.47	\$5.07	3.11	4.22	4.17
Kentucky	6.51	3.71	9.44	7.03	\$6.10	4.34	5.24	4.91
Louisiana	6.63	2.63	8.58	7.53	\$5.90	3.66	4.87	4.59
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	10.19	3.24	12.10	13.47	\$8.05	4.07	5.78	4.73
Michigan	6.33	3.17	3.25	7.05	\$5.49	3.13	4.39	9.18
Minnesota	5.44	4.03	10.18	6.72	\$3.90	3.95	7.23	4.86
Mississippi	6.49	2.49	9.17	7.15	\$6.00	3.63	5.27	4.29
Missouri	5.28	3.10	8.63	7.03	\$4.56	3.43	5.13	4.36
Montana	5.77	4.83	10.37	6.12	\$5.60	4.82	6.12	5.21
Nebraska	6.89	2.88	15.49	7.05	\$6.48	4.17	5.24	4.45
Nevada	4.48	7.95	10.04	4.34	\$4.61	5.60	4.31	4.96
New Hampshire	—	—	—	—	—	4.08	6.51	—
New Jersey	—	—	—	—	—	—	—	—
New Mexico	5.47	2.81	6.73	5.84	\$5.03	3.29	4.42	4.16
New York	7.69	3.15	11.59	8.16	\$7.20	3.88	5.63	5.17
North Carolina	7.52	4.53	—	—	\$7.52	4.37	5.95	6.07
North Dakota	7.50	2.89	8.68	—	\$7.50	2.52	—	—
Ohio	7.56	4.76	8.31	9.12	\$6.01	5.17	5.52	6.12
Oklahoma	6.50	3.01	8.42	7.36	\$5.58	3.61	4.96	4.93
Oregon	3.77	3.11	4.78	3.87	\$3.66	3.01	—	3.51
Pennsylvania	—	—	9.93	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	7.29	5.72	7.59	—	\$7.29	5.16	—	4.94
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.63	2.70	7.69	6.16	\$5.10	3.47	4.51	4.18
Utah	—	10.85	6.59	—	—	4.82	—	3.63
Vermont	—	3.19	7.69	—	—	3.86	—	4.86
Virginia	7.23	12.03	23.81	8.97	\$6.44	4.92	7.44	8.98
Washington	—	—	—	—	—	—	—	—
West Virginia	8.71	3.42	9.65	10.70	\$7.28	4.53	8.40	9.03
Wisconsin	5.70	3.28	7.42	5.91	\$5.49	3.80	4.74	4.81
Wyoming	—	5.62	4.95	—	—	4.38	21.17	5.84
Total	5.71	3.18	8.43	6.38	\$5.12	3.77	4.85	4.49

See footnotes at end of table.

**Table 24. Average Price of Natural Gas Sold to Electric Utility^a Consumers,
by State, 2001-2003**

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	October	September	August	July	June	May	April	March
Alabama	4.35	3.54	3.42	3.43	3.32	3.82	3.75	3.07
Alaska	2.02	2.11	2.12	2.12	2.40	2.38	2.46	2.77
Arizona	3.60	3.08	2.95	3.07	3.01	3.23	3.29	3.45
Arkansas	4.28	3.89	3.25	3.42	3.60	4.16	3.69	3.82
California	3.69	3.69	4.04	3.66	3.64	3.80	4.09	4.42
Colorado	2.47	1.94	2.21	1.83	2.02	2.68	3.03	3.01
Connecticut	—	—	—	—	—	—	—	—
Delaware	4.90	4.17	4.03	3.21	3.43	4.12	3.86	3.86
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.85	4.15	3.93	4.00	4.11	4.30	4.27	3.64
Georgia	1.85	4.06	3.59	3.25	2.98	2.81	3.86	3.67
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	5.20	4.01	3.18	3.19	3.57	5.71	4.34	3.19
Indiana	4.81	4.17	4.49	4.16	2.61	6.35	3.25	3.25
Iowa	4.52	3.78	3.28	3.73	3.89	4.20	4.34	3.18
Kansas	3.38	3.09	2.97	3.04	3.24	3.39	3.45	2.94
Kentucky	4.91	3.99	3.67	3.70	3.82	4.05	5.70	4.61
Louisiana	4.49	3.92	3.36	3.54	3.66	3.84	3.77	3.18
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	4.71	4.19	3.65	3.70	4.04	4.05	4.02	3.89
Michigan	3.39	2.77	2.73	2.96	2.75	2.23	3.59	2.17
Minnesota	4.52	4.82	3.91	3.28	3.53	3.66	3.96	2.55
Mississippi	4.19	3.69	3.32	3.36	3.55	3.74	3.60	2.83
Missouri	4.48	3.54	3.20	3.25	3.26	3.68	3.72	3.24
Montana	3.84	4.66	4.65	6.13	4.71	4.90	4.98	4.82
Nebraska	4.07	4.01	3.80	3.12	3.93	4.47	3.65	4.57
Nevada	4.88	5.43	4.50	4.93	5.09	5.25	6.13	7.28
New Hampshire	4.42	3.87	3.58	3.38	3.39	3.81	3.97	—
New Jersey	—	—	—	—	—	—	—	—
New Mexico	3.60	3.10	3.05	3.13	3.04	3.15	3.13	3.47
New York	4.50	3.94	3.79	3.85	3.88	3.94	3.86	3.26
North Carolina	5.95	4.51	4.30	4.29	4.32	3.80	3.79	4.84
North Dakota	2.00	—	—	2.14	—	—	—	2.68
Ohio	6.01	4.49	4.33	4.66	4.95	5.15	6.36	5.78
Oklahoma	4.31	3.50	3.34	3.42	3.50	3.80	3.81	3.17
Oregon	2.80	2.81	2.35	2.38	2.95	3.15	2.95	3.30
Pennsylvania	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.03	5.42	5.38	5.37	5.28	—	4.29	4.48
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.89	3.50	3.17	3.40	3.45	3.58	3.54	3.05
Utah	2.96	3.62	3.69	4.33	5.13	—	3.54	6.10
Vermont	4.39	—	—	—	—	—	—	3.13
Virginia	6.37	4.61	3.93	3.98	4.39	5.59	5.55	12.56
Washington	—	—	—	—	—	—	—	—
West Virginia	4.84	4.07	4.18	3.39	6.52	4.46	3.90	3.44
Wisconsin	4.23	3.99	3.42	3.57	3.90	3.92	3.98	3.41
Wyoming	2.21	2.22	2.89	2.85	—	—	3.91	4.43
Total	4.26	3.76	3.47	3.53	3.67	3.88	3.90	3.50

See footnotes at end of table.

Table 24. Average Price of Natural Gas Sold to Electric Utility^a Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2002		2001					
	February	January	Total	December	November	October	September	August
Alabama	2.44	2.66	5.20	2.57	4.97	2.56	3.89	3.37
Alaska	2.57	2.57	2.36	2.60	2.59	2.66	2.45	2.46
Arizona	2.66	3.33	4.70	2.93	3.13	2.67	2.88	3.64
Arkansas	2.66	2.64	4.44	2.70	3.60	2.44	2.67	3.24
California	4.58	5.93	9.38	5.64	3.43	4.03	5.01	5.98
Colorado	2.67	2.95	3.81	2.73	3.42	2.36	2.87	2.82
Connecticut	—	—	—	—	—	—	—	—
Delaware	3.05	3.30	4.41	3.12	—	3.74	—	4.00
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.29	3.48	4.73	3.15	3.83	2.80	3.68	4.38
Georgia	2.70	8.67	3.36	3.52	—	2.55	2.45	3.26
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.14	3.23	3.79	3.04	2.14	2.85	4.35	3.76
Indiana	3.07	3.36	5.18	4.07	3.95	4.04	3.78	4.07
Iowa	2.91	3.44	4.78	3.67	3.82	2.69	3.13	3.57
Kansas	2.27	2.26	3.60	2.63	2.56	2.35	2.37	3.23
Kentucky	3.97	3.55	4.70	3.65	4.50	2.83	2.85	3.75
Louisiana	2.49	2.76	4.30	2.78	3.15	2.26	2.44	3.22
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	3.26	3.23	3.58	3.30	3.20	2.82	2.81	3.57
Michigan	2.91	3.51	3.48	2.93	2.44	2.81	2.64	3.15
Minnesota	4.16	3.94	5.25	3.48	2.99	3.50	3.86	4.15
Mississippi	2.36	2.62	3.54	2.48	2.67	2.13	2.64	3.54
Missouri	3.04	3.19	4.69	3.01	3.02	2.90	4.63	5.01
Montana	4.69	4.89	7.54	4.84	5.07	5.44	5.34	6.26
Nebraska	2.22	3.12	4.29	3.67	4.34	2.53	3.78	3.82
Nevada	8.09	7.83	8.22	5.79	3.72	10.65	13.58	9.43
New Hampshire	—	—	2.56	—	—	2.55	2.47	3.54
New Jersey	—	—	3.43	3.58	3.03	3.03	—	—
New Mexico	2.91	2.68	4.22	2.56	2.99	2.31	2.80	3.21
New York	2.83	3.38	4.12	3.12	3.54	2.75	2.88	3.72
North Carolina	4.47	4.88	4.50	4.70	5.40	3.58	3.80	4.63
North Dakota	2.89	—	7.08	—	—	—	4.50	—
Ohio	3.98	5.95	8.17	5.78	4.37	6.30	9.74	6.51
Oklahoma	2.90	3.15	4.62	3.16	3.53	3.03	2.73	3.49
Oregon	2.96	3.36	3.82	3.85	3.62	3.24	3.20	3.25
Pennsylvania	—	—	8.87	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	6.12	4.11	2.64	5.73	5.85	2.34	5.67	5.84
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.66	2.74	4.32	2.84	3.07	2.53	2.70	3.46
Utah	9.98	11.71	4.88	—	10.12	6.67	3.96	3.64
Vermont	2.73	3.54	4.83	—	—	—	—	—
Virginia	12.17	8.92	4.55	3.57	—	—	3.06	4.05
Washington	—	—	—	—	—	—	—	—
West Virginia	2.98	4.66	6.46	2.97	4.07	5.44	4.07	4.25
Wisconsin	3.30	3.27	4.76	3.65	3.62	2.81	3.33	4.08
Wyoming	5.09	7.21	4.01	—	—	3.61	—	3.03
Total	3.05	3.31	4.61	3.14	3.32	2.78	3.03	3.64

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

^b Revised Data.

— Not Applicable.

Notes: Data through 2001 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

Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003

State	YTD 2003		YTD 2002		YTD 2001		2003	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	March	
							Commercial	Industrial
Alabama	81.6	NA	79.3	18.1	87.1	24.4	80.6	16.8
Alaska	55.0	95.4	60.1	99.2	62.4	99.6	53.5	89.6
Arizona	92.0	34.6	94.6	NA	91.8	41.3	91.2	33.8
Arkansas	NA	NA	87.6	5.9	91.7	8.6	NA	NA
California	NA	5.7	70.0	5.8	64.9	13.4	64.4	5.5
Colorado	99.9	NA	95.2	NA	91.6	0.2	99.8	0.2
Connecticut	67.3	50.5	NA	NA	76.3	54.5	66.9	52.8
Delaware	NA	12.1	97.8	13.2	98.4	19.9	90.0	13.8
District of Columbia	NA	—	23.5	—	26.1	—	42.8	—
Florida	40.5	NA	45.3	1.9	65.2	4.7	37.4	2.4
Georgia	100.0	6.2	100.0	5.9	21.0	24.5	12.0	7.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.9	2.3	78.2	2.7	89.5	3.0	88.3	2.1
Illinois	46.4	12.2	41.8	10.9	45.5	13.5	47.4	11.9
Indiana	83.2	11.2	77.3	7.9	81.7	12.1	81.5	8.0
Iowa	NA	7.9	80.8	6.5	87.8	9.1	79.8	7.7
Kansas	63.0	1.8	62.5	3.1	67.6	3.0	65.8	2.0
Kentucky	78.4	17.5	75.7	16.9	86.5	23.2	71.3	17.5
Louisiana	NA	15.6	70.9	8.7	82.1	7.4	NA	15.3
Maine	82.5	NA	53.7	NA	100.0	8.1	74.7	9.8
Maryland	100.0	10.9	100.0	11.6	40.9	12.2	39.6	10.8
Massachusetts	68.9	NA	53.8	26.8	70.0	40.0	63.2	37.5
Michigan	67.6	14.8	70.8	13.5	68.7	17.1	66.3	14.8
Minnesota	96.2	41.5	NA	24.9	98.7	44.4	99.1	38.7
Mississippi	NA	25.5	96.5	28.0	96.5	27.9	NA	27.1
Missouri	84.7	16.6	83.5	22.2	87.0	21.0	85.6	16.2
Montana	77.9	3.4	76.7	3.2	77.9	2.9	75.3	3.3
Nebraska	66.1	22.7	63.2	20.0	68.3	28.4	64.6	24.6
Nevada	78.0	24.9	88.0	56.2	71.2	24.6	75.5	20.6
New Hampshire	NA	NA	84.2	NA	90.8	15.7	85.0	15.5
New Jersey	59.6	25.2	56.6	22.8	64.5	29.3	61.5	28.0
New Mexico	NA	NA	72.5	6.0	72.5	13.7	NA	NA
New York	NA	NA	100.0	8.8	62.3	13.8	53.2	11.3
North Carolina	93.7	39.7	91.7	27.4	98.5	39.0	95.4	43.0
North Dakota	97.5	44.0	NA	15.8	91.5	15.1	97.1	38.5
Ohio	100.0	4.9	100.0	3.2	47.5	11.2	38.5	4.5
Oklahoma	78.2	4.6	NA	5.0	78.3	5.9	76.9	6.4
Oregon	98.5	13.9	92.9	19.5	100.0	20.2	98.5	13.8
Pennsylvania	100.0	8.5	100.0	6.6	67.3	14.9	62.3	8.8
Rhode Island	74.1	17.1	NA	55.1	63.9	31.2	77.2	21.5
South Carolina	NA	80.2	97.6	82.7	98.9	86.5	96.8	77.7
South Dakota	85.3	NA	NA	43.3	86.6	52.7	85.9	NA
Tennessee	92.5	25.2	91.1	25.5	96.0	43.0	92.4	26.6
Texas	NA	44.0	85.6	30.1	85.1	28.7	80.3	41.8
Utah	89.1	14.1	88.0	13.5	87.4	10.6	88.5	13.1
Vermont	100.0	94.5	100.0	79.8	100.0	83.1	100.0	100.0
Virginia	NA	NA	64.1	18.3	75.8	24.3	64.5	13.0
Washington	89.6	NA	85.4	27.3	94.9	38.6	89.7	25.5
West Virginia	NA	NA	65.0	6.7	79.7	7.9	NA	NA
Wisconsin	79.4	25.2	78.6	22.8	79.7	25.8	78.9	24.4
Wyoming	50.6	NA	86.8	2.1	86.8	3.7	51.0	NA
Total	80.1	22.0	79.3	17.7	71.3	21.4	79.9	21.2

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued

State	2003				2002			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	83.5	15.2	80.3	NA	NA	16.9	78.1	18.5
Alaska	52.9	99.1	57.9	98.6	NA	90.6	71.2	99.6
Arizona	91.3	35.7	93.1	34.3	R91.6	NA	90.7	33.5
Arkansas	NA	NA	R98.6	3.9	R80.9	R4.8	R82.6	R4.7
California	NA	8.0	NA	R3.7	R68.4	NA	R72.1	R5.4
Colorado	99.9	—	99.9	NA	NA	NA	99.3	NA
Connecticut	65.6	47.4	69.3	51.1	NA	NA	72.9	49.5
Delaware	91.2	13.8	NA	9.9	NA	NA	NA	NA
District of Columbia	38.7	—	NA	—	NA	—	NA	—
Florida	40.2	NA	43.5	NA	39.9	1.6	39.5	1.8
Georgia	100.0	6.5	100.0	5.2	100.0	5.4	100.0	5.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.6	2.5	87.9	2.2	79.2	NA	86.4	2.2
Illinois	46.5	12.3	45.5	12.4	39.3	NA	45.4	12.0
Indiana	81.9	12.0	85.1	13.0	NA	7.6	84.4	11.1
Iowa	NA	7.4	81.1	8.6	80.0	6.7	82.9	9.0
Kansas	63.3	2.1	60.3	1.3	57.7	NA	58.1	2.4
Kentucky	81.4	17.3	80.6	17.8	75.1	16.0	78.6	16.3
Louisiana	NA	R17.7	97.6	R13.9	R66.6	8.6	R66.5	9.0
Maine	79.7	NA	93.8	6.5	NA	NA	NA	100.0
Maryland	100.0	12.6	100.0	9.3	100.0	NA	100.0	10.9
Massachusetts	68.7	47.0	73.6	NA	R48.8	R20.7	R58.9	R28.1
Michigan	68.2	14.3	68.0	15.1	63.6	NA	64.8	17.2
Minnesota	95.6	42.2	94.7	43.2	NA	NA	93.2	42.2
Mississippi	NA	27.1	95.8	23.1	NA	25.6	96.9	24.9
Missouri	85.5	18.0	83.0	15.7	R76.8	14.2	80.1	16.9
Montana	74.0	2.8	84.3	4.2	75.3	NA	81.9	NA
Nebraska	66.5	22.6	67.2	21.5	61.3	13.3	65.7	16.7
Nevada	80.1	29.2	78.4	25.9	78.9	35.9	72.9	30.3
New Hampshire	NA	NA	NA	NA	NA	NA	87.5	NA
New Jersey	59.5	24.9	58.0	22.8	46.8	NA	53.5	NA
New Mexico	NA	NA	NA	NA	R66.6	11.9	71.8	11.9
New York	NA	NA	100.0	14.2	100.0	9.0	100.0	13.2
North Carolina	93.5	40.5	92.9	36.1	90.1	37.4	92.7	37.2
North Dakota	98.2	34.3	97.2	53.2	NA	NA	93.4	19.0
Ohio	100.0	5.5	100.0	4.7	100.0	2.2	100.0	3.8
Oklahoma	R77.7	4.2	80.0	3.5	NA	3.0	R73.8	3.4
Oregon	98.5	14.2	98.6	13.7	95.9	14.1	98.6	12.5
Pennsylvania	100.0	8.2	100.0	8.6	100.0	6.0	100.0	9.4
Rhode Island	74.2	19.0	71.1	10.8	NA	67.0	92.2	58.7
South Carolina	97.4	81.2	NA	81.3	98.3	82.7	98.6	76.5
South Dakota	83.4	NA	86.6	NA	NA	45.1	83.9	70.9
Tennessee	93.5	23.8	91.7	25.3	NA	NA	90.1	24.1
Texas	NA	42.0	83.3	47.8	NA	41.4	79.8	43.0
Utah	89.5	14.6	89.1	14.6	84.4	13.7	88.6	13.7
Vermont	100.0	100.0	100.0	87.0	100.0	76.5	100.0	86.6
Virginia	NA	NA	71.4	20.7	62.2	NA	70.9	25.5
Washington	R89.7	NA	R89.5	25.4	87.2	27.0	89.9	26.5
West Virginia	NA	NA	NA	NA	58.1	R6.8	70.5	R5.5
Wisconsin	79.6	25.7	79.7	25.4	72.2	19.7	77.6	26.6
Wyoming	52.6	R2.9	48.4	R2.0	72.5	NA	46.8	1.4
Total	R78.9	R21.9	R81.4	22.8	R76.6	R19.8	R79.4	R20.1

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued

State	2002							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	69.0	19.1	68.1	16.8	71.3	15.6	NA	17.7
Alaska	69.5	96.4	53.6	99.5	58.3	87.3	60.6	78.7
Arizona	89.9	NA	88.6	38.5	89.0	40.6	88.1	38.4
Arkansas	R79.4	R4.6	R71.4	R4.8	R73.5	R3.6	R74.0	R3.6
California	83.3	NA	68.3	5.1	66.6	4.5	61.8	4.6
Colorado	99.5	NA	99.6	NA	99.7	NA	99.9	NA
Connecticut	70.1	43.2	67.7	48.7	73.7	52.8	78.4	44.0
Delaware	97.0	NA	96.4	NA	97.8	NA	98.4	6.5
District of Columbia	28.2	—	24.1	—	17.4	—	18.0	—
Florida	36.4	1.5	36.8	1.4	35.2	1.5	35.9	1.4
Georgia	100.0	5.5	100.0	5.1	100.0	5.2	100.0	5.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	84.9	1.3	75.8	1.5	78.9	1.3	81.0	NA
Illinois	40.7	10.2	38.2	9.0	29.2	6.2	28.0	5.1
Indiana	77.4	11.3	72.7	11.2	64.1	5.9	NA	5.5
Iowa	88.8	11.3	89.4	9.2	51.8	4.8	65.5	4.5
Kansas	54.3	2.4	40.2	3.2	50.5	6.8	48.2	NA
Kentucky	77.3	16.6	72.0	15.9	68.7	14.4	71.8	16.9
Louisiana	R51.6	8.0	R52.6	8.4	R49.5	8.3	R60.5	7.7
Maine	NA	100.0	NA	100.0	25.2	100.0	R40.6	100.0
Maryland	100.0	NA	100.0	5.3	100.0	5.8	100.0	NA
Massachusetts	R52.8	R20.8	48.3	R12.9	38.1	R9.7	R33.5	R11.8
Michigan	61.5	10.7	53.5	6.5	42.7	4.2	43.1	5.2
Minnesota	95.9	37.8	94.1	50.2	77.0	32.7	NA	NA
Mississippi	NA	24.9	93.3	23.6	93.7	23.9	NA	25.4
Missouri	74.8	12.3	56.7	8.0	68.3	9.7	65.8	8.8
Montana	77.1	2.2	76.9	1.2	67.1	0.8	69.7	0.7
Nebraska	69.1	16.1	66.4	13.9	59.2	7.4	63.0	7.0
Nevada	68.8	24.4	65.9	22.4	65.9	20.7	63.1	19.3
New Hampshire	49.6	91.9	NA	NA	NA	36.8	72.4	NA
New Jersey	52.0	21.3	34.9	17.8	23.1	17.3	27.1	NA
New Mexico	R74.7	10.8	62.4	11.1	47.4	14.4	59.7	19.5
New York	100.0	6.2	100.0	6.5	100.0	9.1	100.0	6.9
North Carolina	88.6	38.3	87.1	43.3	86.2	44.5	84.6	37.1
North Dakota	93.4	20.5	90.7	16.8	86.8	9.9	NA	11.9
Ohio	100.0	2.8	100.0	1.3	100.0	1.4	100.0	1.2
Oklahoma	R68.3	2.6	R51.7	1.2	R49.7	2.3	R51.2	2.2
Oregon	98.2	12.3	97.8	10.8	97.6	10.5	97.5	8.7
Pennsylvania	100.0	6.7	100.0	6.2	100.0	5.9	100.0	4.1
Rhode Island	89.5	96.8	41.4	63.3	55.0	65.6	37.2	67.6
South Carolina	98.0	78.4	100.0	86.3	99.5	86.2	94.3	78.4
South Dakota	79.7	66.7	84.0	63.4	69.8	52.4	73.1	20.2
Tennessee	83.3	20.6	77.6	21.7	75.2	20.5	73.2	19.1
Texas	NA	42.0	74.8	41.8	73.3	44.6	80.9	44.7
Utah	87.0	15.1	83.4	12.8	76.8	13.6	69.8	13.6
Vermont	100.0	77.9	100.0	74.5	100.0	68.9	100.0	67.3
Virginia	65.7	NA	57.8	NA	50.1	13.3	53.3	11.1
Washington	89.3	31.1	84.4	25.0	80.3	24.2	80.7	20.3
West Virginia	56.3	R7.0	86.0	5.6	34.4	8.7	31.7	7.0
Wisconsin	71.7	22.6	62.4	19.0	47.0	13.3	49.3	14.5
Wyoming	49.7	1.2	55.7	1.7	51.8	1.5	60.7	1.5
Total	R79.0	R19.3	R72.9	R18.8	R68.9	R19.5	R69.7	R19.4

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued

State	2002							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	70.5	16.2	72.2	15.2	72.0	14.2	78.1	15.7
Alaska	55.2	80.6	70.7	79.4	NA	81.3	61.6	99.4
Arizona	89.2	39.9	89.6	45.9	90.3	45.6	92.1	51.3
Arkansas	R61.2	R5.0	R74.8	R3.7	R70.0	R4.0	R83.0	R4.8
California	61.8	4.4	64.2	4.6	64.5	6.4	68.0	4.9
Colorado	99.7	NA	99.5	NA	99.6	NA	NA	NA
Connecticut	77.1	33.8	73.8	46.2	71.2	48.8	61.2	NA
Delaware	98.6	8.0	98.4	10.4	98.3	14.7	98.3	11.8
District of Columbia	17.6	—	19.9	—	20.8	—	21.6	—
Florida	36.2	1.3	38.2	1.7	39.2	1.4	40.4	1.4
Georgia	100.0	4.9	100.0	5.4	100.0	5.0	100.0	5.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	79.5	NA	76.2	1.9	79.0	0.9	73.2	2.4
Illinois	28.7	NA	27.3	6.8	34.6	7.2	37.9	9.8
Indiana	62.0	4.7	68.6	5.5	81.5	4.7	75.9	5.7
Iowa	64.3	4.7	67.3	4.7	77.1	4.3	83.2	5.3
Kansas	46.3	13.8	51.1	9.5	53.6	7.3	62.7	7.3
Kentucky	68.9	15.9	71.3	14.5	71.5	13.7	72.6	16.2
Louisiana	R60.9	7.1	R78.2	9.4	R96.7	10.0	R78.7	9.4
Maine	NA	100.0	37.8	100.0	NA	100.0	NA	100.0
Maryland	100.0	3.2	100.0	6.0	100.0	5.8	100.0	R5.3
Massachusetts	40.3	R18.4	34.3	R16.5	39.1	R21.1	46.7	R24.5
Michigan	45.1	NA	54.5	5.6	58.1	8.0	65.5	11.1
Minnesota	82.8	NA	86.4	23.6	91.8	41.5	84.2	30.7
Mississippi	96.6	23.8	96.7	25.9	95.8	23.7	95.0	26.9
Missouri	67.5	8.3	70.1	8.8	53.9	9.1	82.2	14.1
Montana	66.8	0.9	66.0	1.3	69.8	2.1	73.2	NA
Nebraska	61.0	6.2	51.2	20.6	50.1	12.7	51.5	15.0
Nevada	63.4	18.6	84.5	41.8	84.5	46.0	86.0	39.6
New Hampshire	64.7	NA	NA	51.9	75.7	38.7	79.0	NA
New Jersey	29.1	NA	36.9	17.6	29.3	18.0	49.7	20.7
New Mexico	60.0	17.4	61.4	16.6	50.5	14.9	54.0	11.9
New York	100.0	13.8	100.0	8.2	100.0	10.7	100.0	9.8
North Carolina	86.6	44.4	89.1	43.3	87.0	44.5	89.7	39.3
North Dakota	80.6	7.7	81.8	NA	52.1	10.9	91.9	14.8
Ohio	100.0	0.9	100.0	1.0	100.0	1.1	100.0	2.7
Oklahoma	R56.3	1.2	R59.0	1.8	R58.6	2.2	R70.9	3.1
Oregon	97.4	9.8	97.9	10.8	98.4	12.3	98.5	18.9
Pennsylvania	100.0	3.9	100.0	4.5	100.0	4.7	100.0	4.8
Rhode Island	45.1	61.9	50.8	82.2	51.3	55.4	56.4	67.9
South Carolina	99.0	86.6	98.6	82.4	100.0	86.4	99.7	83.6
South Dakota	68.7	14.6	74.0	20.1	80.0	37.9	85.3	43.1
Tennessee	73.2	19.5	NA	NA	85.1	22.6	91.4	21.2
Texas	89.1	47.7	89.3	48.3	89.3	43.6	73.4	48.9
Utah	69.4	12.1	73.3	13.4	72.9	13.1	78.5	15.8
Vermont	100.0	68.8	100.0	68.9	100.0	74.5	100.0	79.8
Virginia	52.2	10.8	51.6	9.8	58.7	14.2	58.9	14.2
Washington	83.1	27.0	90.4	24.0	92.4	29.5	92.5	32.2
West Virginia	26.6	7.9	33.0	6.5	39.5	6.7	60.8	8.1
Wisconsin	51.4	11.1	60.2	13.3	69.1	16.9	74.9	19.2
Wyoming	30.5	1.4	91.7	1.3	96.1	2.0	92.1	NA
Total	R71.7	R20.8	R72.0	R22.5	R72.9	R21.0	75.8	R23.2

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued

State	2002						2001	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	81.8	17.7	80.9	17.5	76.0	19.0	82.5	22.2
Alaska	61.5	99.2	58.9	99.2	59.8	99.3	60.5	96.2
Arizona	93.2	NA	94.6	55.2	95.7	56.1	92.6	46.4
Arkansas	R86.4	R6.2	R88.9	R5.8	R87.5	R5.8	87.0	6.0
California	72.1	5.9	69.0	6.3	69.2	5.3	62.6	9.1
Colorado	99.5	NA	99.2	NA	88.6	NA	95.6	2.5
Connecticut	85.2	NA	NA	NA	72.0	42.5	77.5	53.2
Delaware	97.9	14.0	98.1	13.3	97.6	12.6	98.3	16.1
District of Columbia	22.6	—	23.8	—	23.8	—	22.4	—
Florida	43.7	1.6	44.6	2.5	47.7	1.6	56.6	3.8
Georgia	100.0	6.1	100.0	5.9	100.0	5.7	20.0	19.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	75.6	2.6	78.6	2.8	79.9	2.6	86.3	2.2
Illinois	41.0	10.6	43.1	10.7	41.3	11.4	41.1	9.9
Indiana	78.9	9.0	76.2	7.2	76.9	7.5	77.1	7.7
Iowa	80.7	7.2	82.4	4.6	79.6	7.5	82.0	7.4
Kansas	63.1	3.7	64.0	2.9	60.9	2.8	62.1	9.3
Kentucky	68.0	17.6	77.1	16.7	81.9	16.4	81.8	18.7
Louisiana	R72.7	8.6	R71.4	9.1	R68.6	8.5	82.3	8.3
Maine	50.2	100.0	53.3	NA	57.4	100.0	100.0	8.1
Maryland	100.0	13.0	100.0	11.3	100.0	10.3	32.6	8.5
Massachusetts	56.4	R23.7	50.2	R28.7	55.3	R28.4	62.1	26.3
Michigan	76.1	13.7	68.7	12.9	68.5	14.0	63.5	11.2
Minnesota	NA	36.1	90.8	16.0	93.2	21.3	98.3	41.9
Mississippi	96.1	27.2	95.9	29.5	97.4	27.4	95.7	28.8
Missouri	85.8	23.0	80.4	24.4	R84.5	19.6	80.8	16.5
Montana	81.8	3.7	73.6	3.0	74.6	3.1	76.1	2.2
Nebraska	58.7	25.4	57.5	16.6	75.0	19.4	63.7	18.0
Nevada	87.3	60.8	88.7	46.1	88.0	60.0	73.9	33.3
New Hampshire	84.2	NA	84.0	NA	84.5	32.1	86.6	13.0
New Jersey	53.8	22.6	55.3	21.4	59.7	24.3	59.1	21.6
New Mexico	63.7	8.8	75.9	4.9	76.7	4.3	68.2	14.6
New York	100.0	8.5	100.0	9.1	100.0	8.9	45.7	10.8
North Carolina	90.6	27.1	91.6	25.1	92.7	29.9	94.0	30.5
North Dakota	NA	18.1	92.8	15.4	93.3	14.4	90.1	9.8
Ohio	100.0	3.1	100.0	3.5	100.0	3.0	41.8	6.4
Oklahoma	R77.8	4.6	74.5	5.4	NA	4.9	71.3	3.1
Oregon	98.9	19.9	98.9	20.4	83.7	18.5	99.3	21.5
Pennsylvania	100.0	5.7	100.0	6.8	100.0	7.2	63.0	9.9
Rhode Island	NA	62.9	61.1	48.3	NA	53.4	58.0	27.3
South Carolina	97.0	79.8	97.2	82.7	98.4	85.7	97.5	82.1
South Dakota	89.3	36.7	85.3	50.0	NA	46.3	84.2	42.1
Tennessee	91.9	28.7	93.7	24.4	88.5	24.2	93.6	36.2
Texas	75.3	30.0	90.8	31.2	91.9	29.3	85.3	28.7
Utah	90.3	12.7	87.1	13.9	87.3	14.0	84.4	10.4
Vermont	100.0	80.2	100.0	79.9	100.0	79.3	100.0	75.4
Virginia	61.8	18.5	66.0	19.8	64.4	16.7	65.8	17.3
Washington	93.5	28.9	93.6	28.1	73.2	25.4	94.0	37.8
West Virginia	63.0	6.2	66.2	6.7	65.9	7.1	63.9	16.6
Wisconsin	78.9	23.6	78.5	21.5	78.4	23.2	77.3	19.2
Wyoming	89.4	2.9	91.4	2.0	83.0	1.8	86.5	2.5
Total	R79.3	17.7	R79.5	R17.9	R79.1	R17.4	65.8	19.3

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003 — Continued

State	2001							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	77.9	21.9	76.9	22.1	74.3	20.8	76.7	21.4
Alaska	60.0	99.3	60.0	99.3	57.0	94.9	60.4	94.4
Arizona	95.8	55.3	93.8	54.8	94.3	54.6	93.1	43.8
Arkansas	90.7	5.4	87.1	5.3	82.7	5.6	80.2	4.0
California	68.0	8.0	63.2	8.2	63.5	8.0	60.3	6.4
Colorado	100.0	0.5	100.0	1.3	97.9	1.5	100.0	5.8
Connecticut	85.7	50.9	78.3	58.1	71.2	73.2	82.4	54.8
Delaware	98.0	16.3	97.8	14.9	98.2	11.7	98.7	14.2
District of Columbia	22.1	—	19.4	—	18.4	—	16.4	—
Florida	50.4	4.0	46.6	3.3	46.6	2.5	47.6	2.5
Georgia	13.7	19.7	19.0	19.5	13.9	17.5	19.5	16.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.6	2.3	83.3	1.8	76.3	1.5	81.7	1.6
Illinois	42.5	12.1	36.8	10.3	37.0	8.7	32.7	7.5
Indiana	80.9	10.2	72.6	6.6	69.0	8.3	64.1	5.5
Iowa	82.6	9.8	76.5	10.8	73.4	7.8	60.9	5.4
Kansas	56.4	4.4	47.8	8.0	48.5	7.7	53.8	16.5
Kentucky	78.8	16.9	79.7	16.5	75.5	19.6	73.7	17.3
Louisiana	81.7	9.1	82.7	10.0	81.1	8.6	81.1	9.0
Maine	100.0	3.6	100.0	4.5	100.0	8.9	100.0	4.5
Maryland	36.5	10.3	26.8	6.6	27.9	7.0	17.4	6.3
Massachusetts	51.3	21.8	58.9	29.5	48.8	18.6	51.8	18.5
Michigan	68.4	11.9	61.9	9.9	57.4	7.3	49.4	5.9
Minnesota	95.9	41.2	98.1	30.3	98.7	52.1	98.8	38.1
Mississippi	95.6	31.1	95.3	31.3	96.2	21.2	96.1	28.5
Missouri	78.0	32.9	71.2	12.4	68.8	10.2	68.0	9.5
Montana	81.5	3.0	75.4	1.9	75.1	1.2	67.7	1.0
Nebraska	57.6	18.7	61.7	12.0	71.7	18.6	61.0	13.3
Nevada	88.9	68.2	85.4	48.4	82.9	41.7	78.8	31.7
New Hampshire	95.8	16.5	98.9	17.5	51.2	14.1	52.2	13.7
New Jersey	58.8	21.1	56.2	15.6	53.3	16.8	45.6	18.5
New Mexico	73.4	6.0	70.7	8.8	59.2	8.3	64.0	11.8
New York	53.6	9.7	50.0	15.5	39.4	4.8	24.1	4.2
North Carolina	91.7	30.7	90.4	27.3	88.2	17.7	86.4	21.4
North Dakota	93.2	17.9	90.8	13.4	89.1	12.1	84.3	8.0
Ohio	39.2	6.4	40.1	5.6	36.4	2.9	25.1	1.2
Oklahoma	77.0	2.5	65.1	2.4	58.8	1.5	57.6	1.7
Oregon	99.1	21.5	100.0	20.6	100.0	21.1	90.2	24.2
Pennsylvania	61.6	8.4	59.4	7.3	55.7	8.8	53.1	8.2
Rhode Island	52.4	13.6	49.4	29.3	41.8	26.8	47.3	22.4
South Carolina	96.8	84.4	96.4	82.4	94.2	79.8	95.4	80.3
South Dakota	85.9	44.5	82.0	45.5	80.2	33.3	75.5	24.1
Tennessee	93.1	38.4	92.2	37.7	88.3	29.3	88.7	35.5
Texas	91.0	28.2	88.5	28.8	87.8	29.6	89.0	30.9
Utah	86.1	13.8	83.1	11.0	80.5	9.2	78.5	9.4
Vermont	100.0	79.0	100.0	76.0	100.0	73.3	100.0	70.7
Virginia	64.4	15.4	57.8	11.2	59.0	24.1	52.5	15.0
Washington	97.3	45.7	93.5	46.1	93.8	45.8	88.3	34.6
West Virginia	41.5	62.1	71.7	7.0	32.2	60.8	53.3	5.9
Wisconsin	84.2	22.8	76.7	19.7	73.9	15.7	61.4	10.8
Wyoming	96.2	1.8	65.7	2.2	86.0	2.3	90.0	2.0
Total	67.9	19.4	64.8	18.7	59.9	18.7	53.8	18.2

^R Revised Data.

^{NA} Not Available.

— Not Applicable.

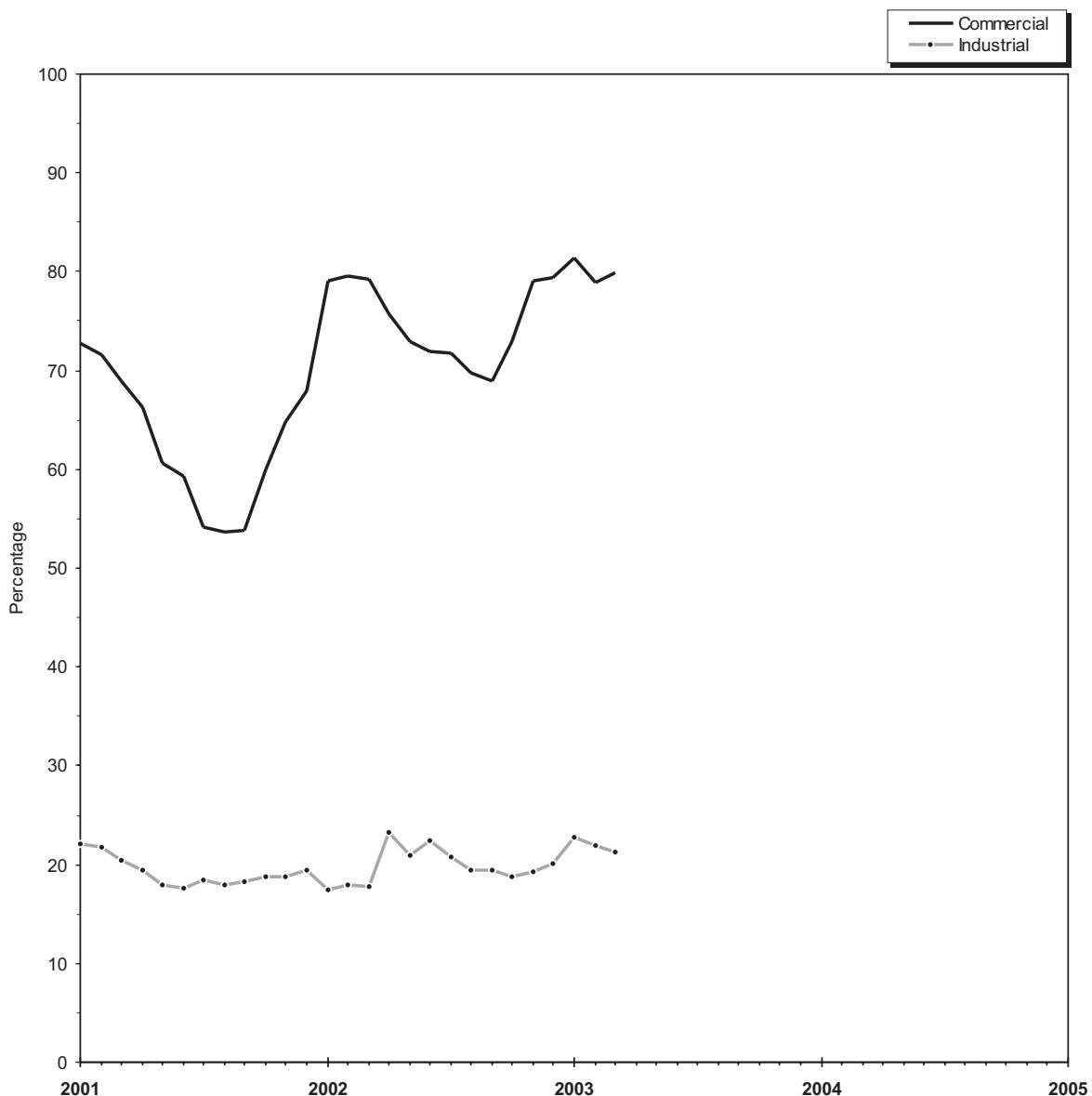
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors.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

commercial and industrial price data which are based on sales data only except in the States of Georgia, Maryland, New York, Ohio and Pennsylvania. 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," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

Figure 6

Figure 6. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, 2001-2003



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 understanding the monthly data. Table A1 lists the methodologies for deriving the data to be published for the most recent months shown in Tables 1-3. The following explanatory notes describe sources for all NGM tables.

Note 1. Production

Annual Data

Natural gas production data are collected from 32 gas-producing States on the voluntary Form EIA-895 "Monthly Quantity and Value of Natural Gas Report." The form requests data on gross withdrawals, gas vented and flared, repressuring, nonhydrocarbon

Table A1. Methodology for Most Recent Monthly Natural Gas Supply and Disposition Data of Table 1-3

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Derived from the Short-Term Energy Outlook
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	Reported on Form EIA-857, Form EIA-906, and other sources below.
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Deliveries to Consumers
Residential	Estimated from sample data reported on Form EIA-857
Commercial	Estimated from sample data reported on Form EIA-857
Industrial	Estimated from sample data reported on Form EIA-857
Electric Power	Estimated from sample data reported on Form EIA-906
Vehicle Fuel	Derived from annual estimates provided by the Coal, Nuclear and Renewable Fuels Division of EIA

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 from the federal waters of the Gulf of Mexico.

Monthly Data

State marketed production data are derived from State data submissions, State and MMS websites reporting natural gas production, and EIA estimates. State marketed production data for a particular month are estimated if data are unavailable at the time of publication. For most States, the data are estimated based on final monthly data reported on the Form EIA-895 for the previous year. Monthly 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 annual EIA-895. These ratios are applied to the monthly estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Current monthly estimates for gross withdrawals are calculated from final monthly data filed on Form EIA-895 for the previous year, if necessary. The Reserves and Production Division of the Office of Oil and Gas, EIA, provides estimates of marketed production for the States of Texas, Louisiana, and Oklahoma.

All monthly data are considered preliminary until after publication of the *Natural Gas Annual (NGA)* for the year in which the report month falls. 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 are the sums of monthly data reported on the Form EIA-895 annual schedule.

Note 2. 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 Form EIA-895. Ten of the 32 producing States reported data on nonhydrocarbon gases removed during 2001. These 10 States accounted for 59 percent of total 2001 gross withdrawals. The State of Missouri has reported zero gross withdrawals since 1997.

Monthly Data

All monthly data are considered preliminary until after publication of the NGA for the year in which the report month falls. Monthly State estimates of nonhydrocarbon gases removed are prepared by EIA

based on annual data reported on Form EIA-895, if necessary. Each State's annual percentage of nonhydrocarbon gases removed to gross withdrawals reported is applied to the States monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by allocating the final annual volume to the months in the same proportion as the preliminary monthly data.

Note 3. Extraction Loss

Annual Data

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

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.

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

Note 4. Supplemental Gaseous Fuels

Annual Data

Annual data on supplemental gas fuel supply are reported on Form EIA-176 "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Monthly Data

All monthly data are considered preliminary until after the publication of the NGA 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.

Monthly data are revised after publication of the NGA. 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 revised ratio is applied to the revised monthly sum of these three supply elements to compute final monthly data.

Note 5. Imports and Exports

Annual Data and Final Monthly Data

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

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 NGA.

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 the NGA.

Note 6. Natural Gas Storage

Note that final monthly and annual storage levels, additions, and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage.

Annual Data

Preliminary annual data on additions and withdrawals from underground storage facilities are the sum of the monthly data from the EIA-191. Final annual data are adjusted to data in the EIA-176.

Annual data on LNG additions and withdrawals are from the EIA-176.

Monthly Data

Preliminary and final monthly data on underground storage levels, additions, and withdrawals are from the EIA-191. All operators of underground storage fields complete the survey.

Estimates of monthly LNG additions and withdrawals are calculated by applying the proportion of each month's net injections to underground storage during the injection season to annual LNG additions and the proportion of each month's net withdrawals from underground stor-

age during the withdrawal season to annual LNG withdrawals.

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

Note 7. Consumption

Annual Data

All annual data are from the NGA. Total consumption is the sum of the components of consumption listed below. Monthly data are revised after publication of the NGA.

Monthly Data

All monthly data are considered preliminary until after publication of the NGA.

Residential, Commercial, and Industrial Sector Consumption

Preliminary estimates of monthly deliveries of natural gas to residential, commercial, and industrial consumers in 50 States are based on data reported on Form EIA-857 "Monthly Report of Natural Gas Purchases and Deliveries." See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures. Monthly data for a given year are revised after the publication of the NGA to correct for any sampling error. 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.

Vehicle Fuel Use

Monthly estimates of natural gas (compressed or liquefied) used as vehicle fuel are derived from an annual estimate of vehicle fuel use provided by the Coal, Nuclear, and Renewable Fuels Division of EIA.

Electric Power Sector Consumption

Monthly estimates of deliveries of natural gas to electric power producers are derived from data submitted by the sample of electric power producers reporting monthly on Form EIA-906, "Power Plant Report." The estimates reported in the NGM represent gas delivered to electricity-only plants (utility and nonutility power producers) and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. For a discussion of these estimates, see the Electric Power Monthly.

Pipeline Fuel Consumption

Preliminary monthly estimates are based on the pipeline fuel consumption as an annual percentage of total consumption from the previous years Form EIA-176. This percentage is applied to each months total consumption figure to compute the monthly estimate.

Monthly data are revised after the publication of the NGA. 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 months revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

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 months marketed production figure to compute estimated lease and plant fuel consumption.

Monthly data are revised after publication of the NGA. Final monthly plant fuel data are based on a revised annual ratio of plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each months revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-895 and estimates from the Form EIA-176. See the NGA for a complete discussion of this process.

Note 8. 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 data reporting problems or to issues in survey coverage. 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 disposition. The balancing item may reflect problems in any of the surveys comprising natural gas supply or disposition.

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. Survey coverage problems include incomplete survey frames or problems in sampling design.

Annual data are from the NGA. For an explanation of the methodology used in calculating the annual balancing item, see the NGA.

Note 9. Average Price of Deliveries to Consumers

For most States, price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers by local distribution companies. In the States of Georgia, Maryland, New York, Ohio, and Pennsylvania, the residential and commercial sector prices reported in the NGM include data on prices of gas sold to customers in those sectors by energy marketers. These latter data are collected on Form EIA-910, "Monthly Natural Gas Marketer Survey." Except for these States, none of the prices reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices. Table 25 indicates the percentage of total deliveries included in commercial and industrial price estimates.

Prices of natural gas delivered to electric utilities are derived from data reported on Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants" as reported in the *Electric Power Monthly*. Data on the price of natural gas delivered to other electric power producers are not available.

Note 10. Average Wellhead Price

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 aggregate 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 that 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 average value of marketed production in each State is calculated by dividing the States reported aggregate value by its associated production. This unit price is then applied to the quantity of the States marketed production to derive the imputed aggregate value of marketed production.

Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures final settlement price for near-month delivery at the Henry Hub, and reported cash market prices at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is publicly available and is reported in numerous trade publications, including NGI's Daily Gas Price Index (published by Intelligence Press, Inc.). The cash market prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group, Inc.), 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 process-

ing, 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 2000. 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 are provided through the Form EIA-895, which requests State agencies to report monthly values of marketed production. Details of the monthly collection match those described in the preceding section on annual data. Preliminary monthly gas price data are replaced by these final monthly data.

Note 11. 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 databases maintained by the National Oceanic and Atmospheric Administration. The information published in the *NGM*, is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the Country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports collected by the Energy Information Administration (EIA), the Federal Energy Regulatory Commission (FERC), and the Office of Fossil Energy of the U.S. Department of Energy (DOE). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE that has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The Office of Fossil Energy has the authority under Section 3 of the Natural Gas Act of 1938 to grant authorizations for the import and export of natural gas.

Data are collected from annual, quarterly, and monthly surveys. The primary annual report is the Form EIA-176 "Annual Report of Natural and Supplemental Gas Supply and Disposition," a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines. The Office of Fossil Energy provides quarterly files of monthly data on imports and exports. The monthly reports include surveys of the natural gas industry, surveys of the electric power industry, and a voluntary survey completed by energy or conservation agencies in the gas-producing States. The monthly natural gas industry surveys are the Form EIA-191 filed by companies that operate underground storage facilities, the voluntary Form EIA-895 filed by the gas-producing States and the U.S. Minerals Management Service, the Form EIA-857, filed by a sample of companies that deliver natural gas to consumers, and the Form EIA-910, filed by natural gas marketers in select States. The electric power industry surveys are the Form EIA-906 filed by a sample of electric power generators and the Form FERC-423 filed (for price data) by fossil-fueled electric utilities. Responses to the monthly surveys are mandatory, except for Form EIA-895. A description of the survey respondents, reporting requirements, and processing of the data is given on the following pages for each of the surveys. Copies of the forms and instructions are available on the EIA website.

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

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 companies that transport gas across a State border through field or gathering facilities. Each company is required to file if it meets the survey specifications. The mailing in 2002 for report year 2001 totaled approximately 2000 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

The EIA-176 is a multi-line, multi-page schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by 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.

Data from Form EIA-176 are also published in the Natural Gas Annual. Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

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

Data collection on the Form EIA-895, "Monthly and Annual Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) voluntary form, "Monthly Report of Natural Gas Production." All gas-producing States and the U.S. Minerals Management Service 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 a prior annual production form. 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.

Form EIA-895 is mailed to energy or conservation agencies in all 32 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. Reports on company production are due 20 days after the end of the report month to the States. (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. Monthly data are obtained from about half of the reporting States and MMS on this schedule. EIA prepares estimates for the remaining States based on annual data submissions from the States until monthly State data are provided. 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 annual EIA-895 survey by filing the completed form or by responding to telephone calls.

The Form EIA-895 is a three-page form collecting monthly and annual data on elements of the production of natural gas beginning with gross withdrawals from gas and oil wells. Starting in 2003, the Form EIA-895 also collects information about production of coalbed methane. The commercial recovery of methane from coalbeds contributes 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 (113,527), Colorado (386,349), New Mexico (532,081), and Wyoming (253,305) for 2001.

Data are also collected on 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 as well as the monthly volume and value of marketed production. The annual schedule 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). Respondents are asked to report all volumes in thousand cubic feet at the States standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Data on the quantities of nonhydrocarbon gases removed from marketed production in 2001, including carbon dioxide, helium, hydrogen sulfide and nitrogen, were reported by the appropriate agencies of 10 of the 32 producing States. These 10 States accounted for 59 percent of total 2001 gross withdrawals. The State of Missouri has reported zero gross withdrawals since 1997.

State marketed production data are derived from State data submissions, State and MMS websites reporting natural gas production, and EIA estimates. State marketed production data for a particular month are estimated if data are unavailable at the time of publication. For most States, the data are estimated based on final monthly data reported on the Form EIA-895 for the previous year. Monthly 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 annual EIA-895. These ratios are applied to the months estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Current monthly estimates for gross withdrawals are calculated from final monthly data filed on Form EIA-895 for the previous year, if necessary. The Reserves and Production Division of the Office of Oil and Gas, EIA, provides estimates of marketed production for the States of Texas, Louisiana, and Oklahoma.

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

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

The Form EIA-191, "Monthly Underground Natural Gas Storage Report," is completed by approximately 122 companies that operate underground facilities. The final monthly and annual response rates are 100 percent. The EIA-191 monthly schedule contains current month 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. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule for the prior year is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the last 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 submitted on separate forms for each month. 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.

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

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

Beginning in 1995, import and export data have been 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. The Office of Fossil Energy provides authorizations for import or export to applicants under Section 3 of the Natural Gas Act of 1938.

All companies are required, as a condition of their authorizations to file quarterly reports with the Office of Fossil Energy. The data are reported at a monthly level of detail.

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

Monthly price and volume data on gas deliveries are collected on the Form EIA-857 from a sample of respondents representing the 50 States and the District of Columbia. Response to Form EIA-857 is mandatory and data are considered proprietary. Completed forms are required to be submitted to EIA on or before the 30th day after the end of the report month.

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 monthly. Each month about half the responses are received by the due date although response rates by first publication of the relevant month are approximately 87 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. Final response rates are approximately 95 percent.

Form EIA-857 data 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 of natural gas to electric power generators are reported on the Form EIA-906 "Power Plant Report," and monthly prices for electric utilities are obtained from FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants.") See Appendix C for a discussion of the sample design and estimation procedures. Data from Form EIA-857 are also used to calculate the city gate price and the average heat content of all gas consumed.

Form EIA-910, "Monthly Natural Gas Marketer Survey"

The Form EIA-910, "Monthly Natural Gas Marketer Survey" collects information on natural gas sales from marketers in selected States (Georgia, Maryland, New York, Ohio and Pennsylvania) that have active customer choice programs. These States were selected based on the percentage of natural gas sold by marketers in the residential and commercial end-use sectors. The survey collects monthly price and volume data on natural gas sold by all marketers in the selected States. A natural gas marketer is a company that competes with other companies to sell natural gas service, but relies on regulated local distribution companies to deliver the gas. The data collected on

the Form EIA-910 is integrated with residential and commercial price data from the Form EIA-857 for the States of Georgia, Maryland, New York, Ohio, and Pennsylvania. Response to the EIA-910 is mandatory and data are considered proprietary.

Approximately 150 natural gas marketers report to the survey. Final monthly survey response rates are approximately 98 percent. Responses are filed 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.

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." Monthly prices in select states (currently Georgia, Maryland, New York and Ohio) are supplemented with data from the Form EIA-910 "Monthly Natural Gas Marketer Survey". (See Appendix B for a description of these Forms.) Form EIA-857 is a sample survey. These estimations must be made from the reported data since the. 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 the electric power sector are reported on the Form EIA-906, "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 1,556 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 2001 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 2001. 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 405 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 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

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

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

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

where:

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

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

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

X_i = the sum within State of annual gas volumes for company i,

X_j = the sum within State of annual gas volumes in consumer sector j,

$X..$ = the sum within State of annual gas volumes in all consumer sectors.

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

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

$$m = n \frac{X2}{X..} \quad (2)$$

where:

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

$X2$ = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using:

A uniform random number R was selected between zero and $\left(I = \frac{X2}{m} \right) I$. 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 deter-

mine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In four States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that $X2$ was the sum within State of the X_i for only those companies in the subgroup.

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

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:

$$V_{.j} = \gamma_{.j} \times E_{vj} \quad (4)$$

Appendix C

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 by natural gas companies except as explained below.

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

$$P_j = \frac{R_j}{V_j} \quad (5)$$

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 to residential and commercial consumers in Georgia, Maryland, New York, Ohio and Pennsylvania are monthly average prices of natural gas are based on total sales (sales by local distribution companies and natural gas marketers). Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices except in these states.

The price of natural gas in the residential and commercial sectors in Georgia, Maryland, New York, Ohio and Pennsylvania is calculated as follows:

$$P_c = \left[\left(\frac{R_s}{V_s} \right) * \left(\frac{V_s}{V_s + V_t} \right) \right] + \left[\left(\frac{Rm_s}{Vm_s} \right) * \left(\frac{V_t}{V_s + V_t} \right) \right] \quad (6)$$

P_c = the combined average price for gas sales by local distribution companies and marketers within the State in sector s (residential or commercial)

R_s = the reported revenue from natural gas sales by local distribution companies within the State in s (residential or commercial)

V_s = the reported volume of natural gas sales by local distribution companies within the State in s (residential or commercial)

V_t = the reported volume of natural gas transported by local distribution companies for marketers within the State in s (residential or commercial)

Rm_s = the reported revenue from natural gas sales by marketers within the State in s (residential or commercial)

Vm_s = the reported volume of natural gas sales by a marketer within the State in s (residential or commercial)

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. All natural gas prices to the residential sector represent onsystem sales volumes only except in Georgia, Maryland, New York, Ohio and Pennsylvania.

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 volumes for nonrespondents was:

Where:

$$F_t = F_{t-1} \times \frac{y_{jt}}{y_{jt-1}} \quad (7)$$

F_t = imputed gas volume for current month t ,

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

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

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

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in *the Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* (NGM) 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 NGM, 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:

$$V_{jm}^* = V_{jm} + \left[(V_{ja} - V'_{jm}) \left(\frac{V_{jm}}{V'_{jm}} \right) \right] \quad (8)$$

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:

$$R_{jm}^* = R_{jm} + \left[(R_{ja} - R'_{jm}) \left(\frac{R_{jm}}{R'_{jm}} \right) \right] \quad (9)$$

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 Power Sector. Revisions to monthly deliveries to the electric power sector are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

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

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

$$V(\hat{Y}) = \sum_{h=1}^H \left[N_h^2 \frac{\left(1 - \frac{n_h}{N_h}\right)}{n_h(n_h-1)} \left(\sum_{i=1}^{n_h} (y_{hi} - \bar{Y}_h)^2 \right) \right] \quad (10)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company I

x_i = the reported annual volume for company i

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

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, March 2003

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	192	1,225	1,514	1,957	0.43	NA	0.77
Alaska	0	0	0	0	—	—	—
Arizona	28	32	0	43	0.39	0.14	—
Arkansas	NA	NA	NA	NA	NA	NA	NA
California	676	105	3,329	3,399	0.08	0.07	NA
Colorado	0	0	0	0	—	—	—
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	54	61	806	810	NA	NA	NA
Georgia	6,660	1,458	3,669	7,743	NA	NA	NA
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	292	342	1,880	1,933	0.03	0.04	0.21
Indiana	2,772	309	1,296	3,076	NA	NA	NA
Iowa	184	89	49	210	0.02	0.02	0.16
Kansas	355	156	304	492	1.75	0.44	1.14
Kentucky	1,003	994	1,830	2,312	1.10	1.14	4.04
Louisiana	NA	NA	175	NA	NA	NA	0.16
Maine	0	0	0	0	—	—	—
Maryland	55	28	58	84	0.03	0.11	0.83
Massachusetts	0	0	0	0	—	—	—
Michigan	0	0	0	0	—	—	—
Minnesota	409	135	226	487	0.23	0.15	0.14
Mississippi	NA	NA	NA	NA	NA	NA	NA
Missouri	100	178	890	914	0.14	0.11	0.20
Montana	2	3	0	4	0.01	0.02	—
Nebraska	0	0	0	0	—	—	—
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	NA	NA	NA	NA	NA	NA	NA
New York	1,569	1,402	1,729	2,723	0.12	0.16	0.27
North Carolina	0	0	0	0	—	—	—
North Dakota	0	0	0	0	—	—	—
Ohio	768	5,156	9,578	10,905	0.30	1.93	NA
Oklahoma	275	384	352	589	0.32	0.34	0.08
Oregon	0	0	0	0	—	—	—
Pennsylvania	137	189	611	654	0.11	0.08	NA
South Carolina	104	29	358	374	0.25	0.10	0.49
South Dakota	NA	NA	NA	NA	NA	NA	NA
Tennessee	817	609	936	1,384	0.19	0.32	1.50
Texas	4,509	28,513	27,759	40,048	0.61	0.74	0.41
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	152	439	329	569	0.11	0.29	0.21
Washington	0	0	0	0	—	—	—
West Virginia	NA	NA	NA	NA	NA	NA	NA
Wisconsin	931	648	334	1,182	NA	NA	0.36
Wyoming	75	193	NA	NA	0.98	0.28	NA
Total	9,243	29,122	30,073	42,871	0.15	0.16	1.58

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"	Donna Guerrina (202)586-6135
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form EIA-910, "Monthly Natural Gas Marketer Survey"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	William Trapmann (202)586-6408
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:	Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports"	Donna Guerrina (202)586-6135
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 Power, All Consumers	15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form EIA-906, "Power Plant Report"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20 21 22 23 24 25	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" Form EIA-910, "Monthly Natural Gas Marketer Survey" Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790 Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-4885
Highlights				Sheila Darnell (202)586-6165

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 data reporting or survey coverage 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. Survey problems include incomplete survey frames, problems in sampling design, or response problems.

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 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 Power Sector: An energy-consuming sector that consists of electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public – i.e., North American Industry Classification System 22 plants. Combined heat and power plants that identify themselves as primarily in the commercial or industrial sectors are reported in those sectors.

Electric Power Consumption: Gas used as fuel in the electric power sector.

Electric Utility: A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Note: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, “electric utility” currently has inconsistent interpretations from State to State.

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, fisheries and construction. .

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 certified by FERC. Independent producer and

intrastate company reservoir capacities are reported as developed capacity.

Vehicle Fuel Consumption: Natural gas (compressed or liquefied) used as vehicle fuel.

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.