

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 April 2003 for many data series at the national level. National-level natural gas prices are available through March 2003 (electric utilities), or April (residential, commercial, industrial, and wellhead). State-level data generally are available through April 2003, although underground storage data are available through May 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	E2,103	E332	E33	E7	E1,732	E80	E1,652
February	E1,922	E310	E32	E6	E1,573	E73	RE1,501
March	RE2,143	RE331	RE35	E7	RE1,770	RE82	RE1,688
April	E2,072	E327	E34	E7	E1,705	E79	E1,626
2003 YTD	E8,240	E1,299	E134	E28	E6,780	E313	E6,467
2002 YTD	E7,986	E1,280	E125	E28	E6,553	E303	E6,250
2001 YTD	8,174	1,130	157	30	6,857	317	6,540

^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	E1,620	E8	308	546	-29	2,452
February	E1,447	E7	275	462	-1	2,189
March	E1,625	E8	294	320	-25	2,222
April	E1,558	E6	275	-126	130	1,844
May	E1,628	E6	279	-323	-6	1,583
June	E1,586	E5	272	-339	33	1,558
July	E1,641	E7	299	-239	9	1,716
August	E1,624	E6	309	-234	-29	1,677
September	E1,513	E6	288	-292	-9	1,506
October	E1,554	E7	301	-84	-165	1,612
November	E1,608	E7	275	198	-230	1,858
December	E1,644	E8	314	558	-211	2,314
Total	E19,047	E80	3,491	447	-535	22,530
2003						
January	E1,652	E8	290	841	R-161	R2,630
February	RE1,501	E4	241	676	R30	R2,451
March	RE1,688	E7	261	134	R55	R2,145
April	E1,626	E6	E239	-160	-19	1,692
2003 YTD	E6,467	E25	E1,031	1,492	-95	8,918
2002 YTD	E6,250	E28	1,153	1,202	75	8,707
2001 YTD	6,540	31	1,270	760	441	9,041

^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.

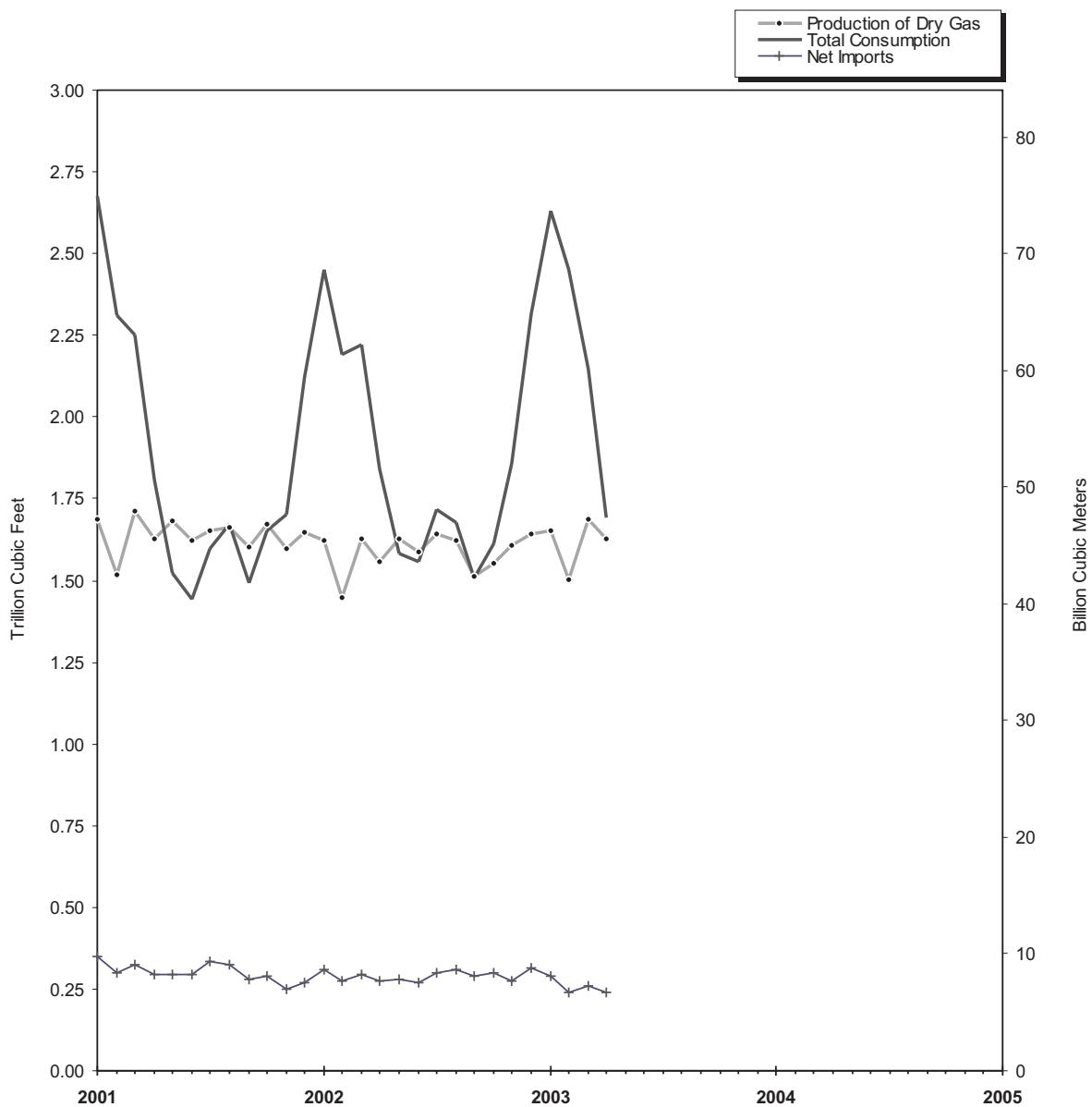
RE Revised Estimated Data.

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	430	663	377	1	2,294	2,452
February	E80	61	707	389	610	341	1	2,048	2,189
March	E90	62	666	372	630	400	1	2,070	2,222
April	E86	52	421	265	620	399	1	1,706	1,844
May	E90	44	259	191	588	410	1	1,449	1,583
June	E88	44	163	150	570	541	1	1,426	1,558
July	E91	48	128	136	587	725	1	1,577	1,716
August	E90	47	117	140	591	691	1	1,540	1,677
September	E84	42	125	143	556	555	1	1,380	1,506
October	E86	45	251	196	597	436	1	1,481	1,612
November	E89	52	490	295	593	337	1	1,717	1,858
December	E91	65	769	411	636	340	1	2,158	2,314
Total	E1,053	632	4,918	3,118	7,241	5,553	15	20,846	22,530
2003									
January	E91	74	952	493	E651	367	1	E2,465	E2,630
February	E83	69	883	471	E616	329	1	E2,300	E2,451
March	RE93	60	E674	E377	584	355	1	1,992	E2,145
April	E90	47	415	256	549	333	1	1,555	1,692
2003 YTD^d	E357	250	2,924	1,597	2,401	1,384	5	8,311	8,918
2002 YTD^d	E345	244	2,616	1,456	2,523	1,517	5	8,118	8,707
2001 YTD^d	363	256	2,841	1,561	2,614	1,401	5	8,422	9,041

^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.

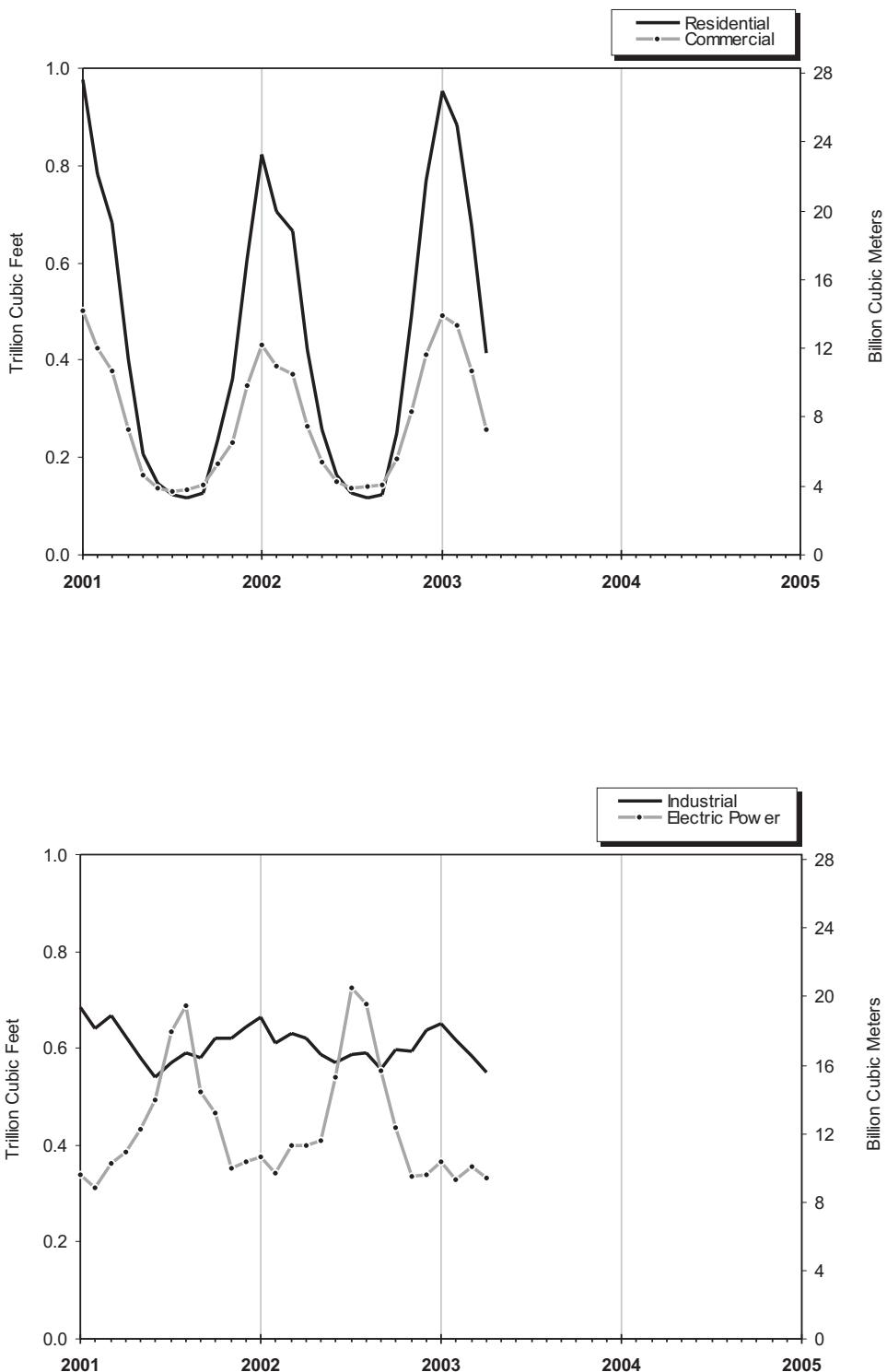
^{RE} Revised Estimated Data.

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	€5.31	€22.7	5.12		
February	€5.45	5.88	8.41	7.83	78.9	€6.17	€21.8	6.38		
March	€6.69	7.61	€9.71	€8.96	€80.0	8.08	21.2	7.53		
April	€4.71	5.76	10.02	8.72	76.3	5.88	21.0	5.63		
2003 YTD^c	€5.33	6.04	8.83	8.07	79.5	6.31	21.7	5.68		
2002 YTD^c	€2.51	3.94	7.28	6.42	78.6	3.80	19.0	3.47		
2001 YTD^c	5.20	7.33	10.10	9.42	70.5	7.20	20.9	6.98		

^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.

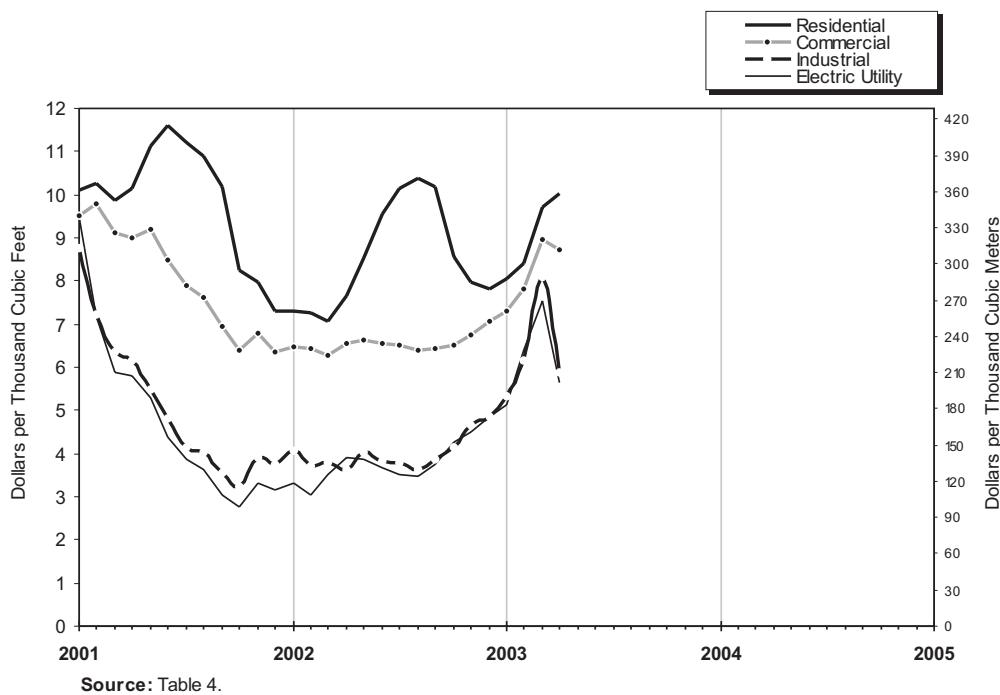
^E Estimated Data.

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.

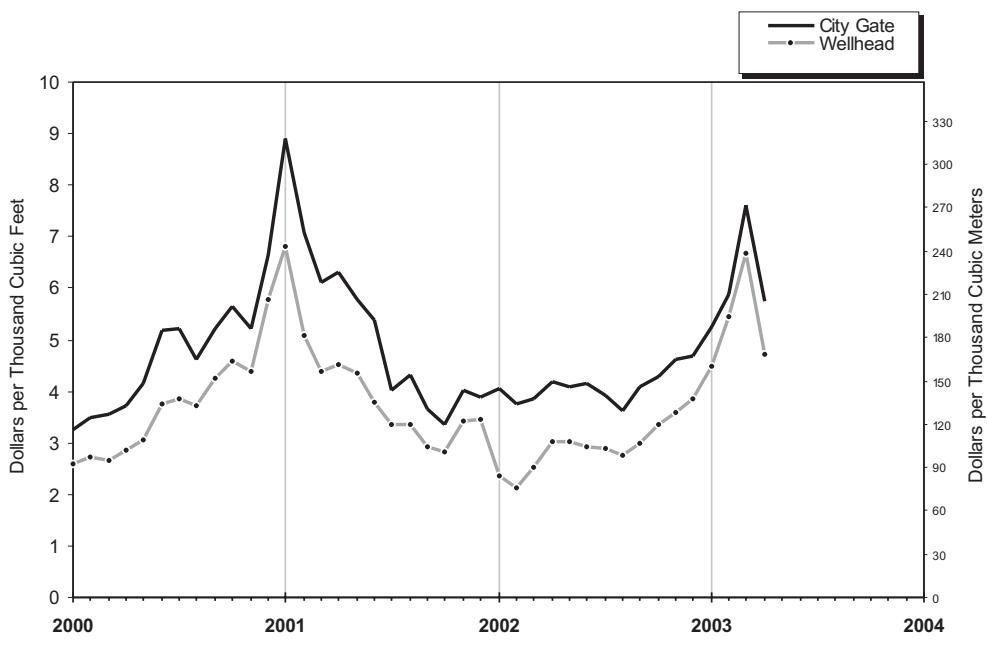
Figures 3 and 4

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					
				May	April	March			
Imports									
Volume (million cubic feet)									
Pipeline									
Canada ^a	1,405,926	1,540,773	1,579,920	264,017	262,301	281,485			
Mexico	0	1,755	7,295	0	0	0			
Total Pipeline Imports	1,405,926	1,542,527	1,587,215	264,017	262,301	281,485			
LNG									
Algeria	17,862	11,982	32,865	4,190	10,893	2,778			
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	13,892	0	19,969	11,288	2,604	0			
Oman	0	0	4,440	0	0	0			
Qatar	1,871	10,642	9,828	0	0	1,871			
Trinidad	116,970	43,624	45,604	27,313	19,184	26,353			
United Arab Emirates	0	0	0	0	0	0			
Total LNG Imports	150,595	71,072	112,706	42,791	32,682	31,002			
Total Imports	1,556,520	1,613,599	1,699,921	306,808	294,983	312,487			
Average Price (dollars per thousand cubic feet)									
Pipeline									
Canada	NA	2.82	6.48	NA	NA	7.79			
Mexico	-	2.36	6.05	-	-	-			
Total Pipeline Imports	NA	2.82	6.48	NA	NA	7.79			
LNG									
Algeria	NA	3.47	4.68	NA	NA	7.79			
Australia	-	-	-	-	-	-			
Brunei	-	2.82	-	-	-	-			
Indonesia	-	-	-	-	-	-			
Malaysia	-	3.43	-	-	-	-			
Nigeria	NA	-	6.76	NA	NA	-			
Oman	-	-	7.15	-	-	-			
Qatar	5.94	3.25	4.68	-	-	5.94			
Trinidad	NA	3.09	5.08	NA	NA	5.13			
United Arab Emirates	-	-	-	-	-	-			
Total LNG Imports	NA	3.18	5.31	NA	NA	5.42			
Total Imports	NA	2.83	6.40	NA	NA	7.55			
Exports									
Volume (million cubic feet)									
Pipeline									
Canada	€147,061	73,760	72,345	€36,877	32,890	28,909			
Mexico	€105,093	83,466	38,497	€17,298	€17,298	17,298			
Total Pipeline Exports	€252,154	157,226	110,842	€54,175	€50,188	46,207			
LNG									
Japan	24,814	24,259	26,125	3,776	5,605	5,565			
Mexico	NA	183	201	NA	NA	40			
Total LNG Exports	24,938	24,442	26,325	3,776	5,605	5,604			
Total Exports	€277,092	181,668	137,167	€57,951	€55,792	51,811			
Average Price dollars per thousand cubic feet)									
Pipeline									
Canada	NA	2.75	5.37	NA	NA	9.27			
Mexico	NA	2.98	7.55	NA	NA	8.46			
Total Pipeline Exports	NA	2.87	6.13	NA	NA	8.97			
LNG									
Japan	NA	3.88	4.50	NA	NA	4.29			
Mexico	NA	5.82	5.82	NA	NA	5.82			
Total LNG Exports	NA	3.90	4.51	NA	NA	4.30			
Total Exports	NA	3.01	5.82	NA	NA	8.46			
Net Imports - Volume	€1,279,428	1,431,931	1,562,754	€248,857	€239,191	260,676			

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

	2003		2002			
	February	January	Total	December	November	October
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	276,078	322,045	3,777,032	348,952	308,220	315,486
Mexico	0	0	1,755	0	0	0
Total Pipeline Imports	276,078	322,045	3,778,786	348,952	308,220	315,486
LNG						
Algeria	0	0	26,584	2,636	2,636	0
Australia	0	0	0	0	0	0
Brunei	0	0	2,401	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	0	2,423	0	0	0
Nigeria	0	0	8,123	0	0	5,403
Oman	0	0	3,013	0	0	0
Qatar	0	0	35,081	0	0	0
Trinidad	21,007	23,113	151,104	17,512	19,169	22,018
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	21,007	23,113	228,730	20,147	21,804	27,421
Total Imports	297,084	345,158	4,007,516	369,099	330,025	342,907
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	5.76	4.88	3.13	4.19	4.06	3.58
Mexico	-	-	2.36	-	-	-
Total Pipeline Imports	5.76	4.88	3.13	4.19	4.06	3.58
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	-	-	-
Trinidad	4.84	4.69	3.43	4.42	3.85	3.52
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	4.84	4.69	3.43	4.39	3.88	3.42
Total Imports	5.69	4.87	3.15	4.20	4.05	3.57
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	25,141	23,244	189,313	26,005	27,678	10,182
Mexico	25,177	28,021	263,078	23,113	21,264	26,314
Total Pipeline Exports	50,318	51,266	452,391	49,118	48,942	36,495
LNG						
Japan	5,569	4,301	63,439	5,660	5,609	5,571
Mexico	40	44	403	43	37	43
Total LNG Exports	5,609	4,345	63,842	5,703	5,647	5,614
Total Exports	55,927	55,611	516,233	54,821	54,589	42,109
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	7.57	6.57	3.34	4.33	4.33	3.78
Mexico	5.78	5.03	3.30	4.26	4.03	3.58
Total Pipeline Exports	6.67	5.73	3.32	4.30	4.20	3.64
LNG						
Japan	4.43	4.42	4.07	4.33	4.29	4.27
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	4.44	4.43	4.08	4.34	4.30	4.28
Total Exports	6.45	5.63	3.41	4.30	4.21	3.72
Net Imports - Volume	241,157	289,547	3,491,283	314,278	275,436	300,798

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					
	September	August	July	June	May	April
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	318,108	331,234	322,654	291,606	290,759	297,315
Mexico	0	0	0	0	0	0
Total Pipeline Imports	318,108	331,234	322,654	291,606	290,759	297,315
LNG						
Algeria	0	0	4,665	4,665	7,344	1,912
Australia	0	0	0	0	0	0
Brunei	0	0	0	0	2,401	0
Indonesia	0	0	0	0	0	0
Malaysia	0	0	0	0	2,423	0
Nigeria	0	2,720	0	0	0	0
Oman	0	3,013	0	0	0	0
Qatar	2,517	2,644	5,375	13,903	5,612	5,030
Trinidad	14,369	15,796	11,360	7,256	10,312	10,271
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	16,886	24,174	21,400	25,824	28,092	17,213
Total Imports	334,994	355,408	344,054	317,431	318,851	314,528
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	3.05	2.67	2.81	3.06	3.24	3.28
Mexico	-	-	-	-	-	-
Total Pipeline Imports	3.05	2.67	2.81	3.06	3.24	3.28
LNG						
Algeria	-	-	3.41	3.60	3.43	3.18
Australia	-	-	-	-	-	-
Brunei	-	-	-	-	2.82	-
Indonesia	-	-	-	-	-	-
Malaysia	-	-	-	-	3.43	-
Nigeria	-	3.61	-	-	-	-
Oman	-	3.34	-	-	-	-
Qatar	3.59	3.16	3.56	3.43	3.45	3.03
Trinidad	3.30	3.06	3.22	3.18	3.23	3.09
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	3.34	3.17	3.35	3.39	3.31	3.08
Total Imports	3.06	2.70	2.84	3.09	3.25	3.27
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	13,471	11,983	11,856	14,379	14,777	12,619
Mexico	27,482	28,922	27,570	24,948	22,799	19,122
Total Pipeline Exports	40,952	40,905	39,426	39,327	37,576	31,740
LNG						
Japan	5,583	5,583	5,588	5,586	1,853	7,427
Mexico	28	24	19	25	30	26
Total LNG Exports	5,611	5,607	5,607	5,612	1,882	7,454
Total Exports	46,563	46,511	45,032	44,939	39,459	39,194
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	3.23	2.59	3.18	3.26	3.33	3.38
Mexico	3.25	2.92	3.21	3.14	3.27	3.52
Total Pipeline Exports	3.24	2.82	3.20	3.18	3.29	3.46
LNG						
Japan	4.29	4.25	4.08	3.84	3.76	3.67
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	4.30	4.26	4.09	3.85	3.79	3.68
Total Exports	3.37	3.00	3.31	3.27	3.32	3.50
Net Imports - Volume	288,431	308,896	299,021	272,492	279,392	275,334

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

	2002			2001		
	March	February	January	Total	December	November
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	321,851	297,023	333,825	3,728,537	293,640	283,035
Mexico	0	798	956	10,276	2,821	160
Total Pipeline Imports	321,851	297,821	334,781	3,738,814	296,461	283,195
LNG						
Algeria	0	0	2,726	64,945	5,237	2,510
Australia	0	0	0	2,394	0	0
Brunei	0	0	0	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0
Nigeria	0	0	0	37,966	0	0
Oman	0	0	0	12,055	0	0
Qatar	0	0	0	22,758	0	0
Trinidad	10,151	7,571	5,318	98,009	7,975	5,340
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	10,151	7,571	8,043	238,126	13,212	7,850
Total Imports	332,003	305,392	342,825	3,976,939	309,673	291,044
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.61	2.29	2.70	4.43	2.68	2.95
Mexico	-	2.09	2.58	5.00	2.44	2.04
Total Pipeline Imports	2.61	2.29	2.70	4.44	2.67	2.95
LNG						
Algeria	-	-	3.77	3.73	2.68	2.25
Australia	-	-	-	3.86	-	-
Brunei	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-
Nigeria	-	-	-	5.56	-	-
Oman	-	-	-	5.56	-	-
Qatar	-	-	-	4.37	-	-
Trinidad	2.68	3.00	3.71	4.14	3.12	3.19
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	2.68	3.00	3.73	4.35	2.95	2.89
Total Imports	2.61	2.31	2.72	4.43	2.68	2.95
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	14,270	15,822	16,274	166,690	25,165	20,659
Mexico	18,213	10,770	12,562	140,370	10,751	15,489
Total Pipeline Exports	32,483	26,591	28,835	307,060	35,916	36,149
LNG						
Japan	5,619	3,755	5,605	65,753	5,602	5,644
Mexico	39	37	51	465	46	47
Total LNG Exports	5,658	3,792	5,656	66,218	5,648	5,692
Total Exports	38,141	30,383	34,491	373,278	41,564	41,840
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	2.43	2.15	2.61	3.97	2.51	3.09
Mexico	2.70	2.25	2.66	4.34	2.55	2.98
Total Pipeline Exports	2.58	2.19	2.63	4.14	2.52	3.04
LNG						
Japan	3.73	4.02	4.26	4.39	4.29	4.29
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	3.74	4.04	4.27	4.40	4.30	4.30
Total Exports	2.75	2.42	2.90	4.19	2.76	3.21
Net Imports - Volume	293,862	275,009	308,333	3,603,661	268,109	249,204

^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	R36,158
February	28,063	38,442	21	27,119	E47,603	E200	R32,308
March	E29,325	52,604	21	29,442	E50,830	E255	35,429
2003 YTD	E88,152	133,275	64	86,455	E150,530	E691	103,896
2002 YTD	86,346	123,215	76	90,827	E157,401	983	113,870
2001 YTD	87,474	126,593	90	90,007	193,092	1,572	124,329

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
March	€126,515	€27,324	10,566	7,116	133,383	4,557	€140,777
2003 YTD	€368,208	€64,316	31,086	20,565	382,166	13,295	€410,524
2002 YTD	€379,684	79,063	27,215	21,415	399,869	13,739	€396,345
2001 YTD	378,244	70,520	25,105	20,363	420,769	13,079	394,971

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	£1,732,046
February	£152	£405,902	21,511	138,941	£78,139	£360,164	£1,573,211
March	£157	£448,607	23,993	153,056	£83,107	£412,455	£1,769,521
2003 YTD	£477	£1,301,548	69,262	424,377	£244,534	£1,181,358	£5,074,778
2002 YTD	215	£1,279,215	71,691	345,102	£232,198	£1,100,538	£4,919,006
2001 YTD	336	1,312,558	71,553	334,600	219,201	1,267,042	5,151,500

^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

Table 8. Gross Withdrawals and Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, March 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	\$30,874	\$470	\$31,344	\$370	\$1,521	\$128	\$29,325
Alaska	18,459	310,510	328,969	275,833	0	532	52,604
Arizona	21	0	21	0	0	0	21
California	8,278	23,893	32,170	2,277	304	148	29,442
Colorado	\$44,212	\$7,197	\$51,409	\$514	\$0	\$64	\$50,830
Florida	\$0	\$288	\$288	\$0	\$33	\$0	\$255
Kansas	35,525	0	35,525	60	0	36	35,429
Louisiana	\$108,498	\$19,974	\$128,472	\$1,080	0	\$877	\$126,515
Michigan	\$22,238	\$5,560	\$27,798	\$196	0	\$278	\$27,324
Mississippi	12,610	422	13,033	509	1,676	282	10,566
Montana	6,529	616	7,145	0	0	29	7,116
New Mexico	116,780	17,618	134,398	859	0	156	133,383
North Dakota	1,214	3,550	4,764	0	10	196	4,557
Oklahoma	\$127,266	\$13,511	\$140,777	\$0	\$0	\$0	\$140,777
Oregon	\$157	0	\$157	0	0	0	\$157
Texas	\$402,326	\$97,351	\$499,677	\$37,637	\$11,354	\$2,079	\$448,607
Utah	22,120	2,688	24,808	0	0	815	23,993
Wyoming	166,624	19,037	185,662	11,436	19,777	1,392	153,056
Other States	\$81,176	\$2,607	\$83,782	\$0	\$503	\$172	\$83,107
Federal Gulf of Mexico	\$412,455	0	412,455	0	0	0	\$412,455
Total	\$1,617,363	\$525,291	\$2,142,654	\$330,771	\$35,179	\$7,184	\$1,769,521

^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
May	4,322	1,304	5,626	-664	-33.7	453	41	-412

^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.

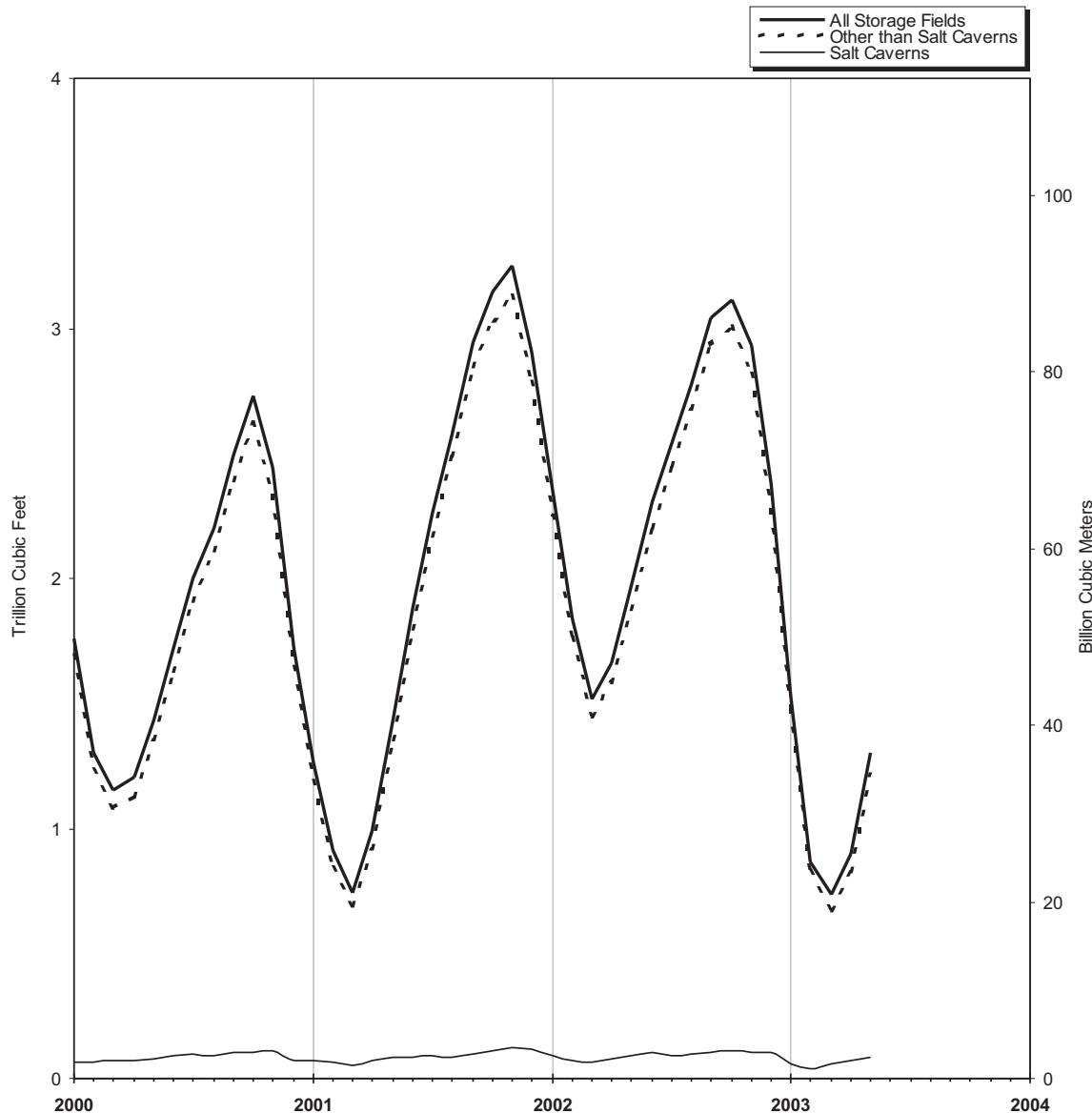
Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion

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

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
May	4,322	1,304	5,626	-664	-33.7	453	41	-412

^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. 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
May	75	87	162	-6	-6.7	35	20	-15

^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
May	4,248	1,217	5,464	-658	-35.1	418	21	-397

^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	
	May	April	March	February	January	Total	December
Alabama	-990	-797	-456	-420	1,789	-560	142
Arkansas	-632	-209	341	1,409	1,836	369	870
California	-27,859	-13,402	10,536	49,464	33,248	15,006	42,090
Colorado	638	773	2,924	8,432	4,213	1,136	2,050
Illinois	-29,399	-8,980	11,028	50,338	70,407	18,753	52,256
Indiana	-1,609	158	1,946	5,301	7,519	1,502	3,787
Iowa	-3,694	-80	4,895	13,459	21,778	4,260	19,193
Kansas	-11,018	-521	-4,997	20,396	25,657	18,212	15,396
Kentucky	-9,916	-2,675	3,213	17,123	21,305	9,663	9,187
Louisiana	-28,994	-11,766	7,692	55,201	66,838	35,910	33,271
Maryland	-2,534	-750	-124	4,003	4,738	-701	416
Michigan	-71,124	-20,439	42,692	128,637	157,642	100,037	97,960
Minnesota	0	0	199	504	659	4	6
Mississippi	-8,651	-1,746	-8,327	7,791	16,204	2,987	3,567
Missouri	-1,524	445	170	555	1,218	-413	-118
Montana	-1,041	-179	3,666	4,732	4,353	-5,924	3,473
Nebraska	-537	-248	504	1,512	1,170	1,104	762
New Mexico	45	-471	184	1,728	424	8,646	1,915
New York	-9,787	-6,129	5,993	17,730	22,151	12,907	15,589
Ohio	-31,723	-9,789	10,463	43,314	62,002	27,849	46,655
Oklahoma	-23,041	-9,198	13,335	32,780	38,560	36,056	22,334
Oregon	-113	1,174	2,426	2,367	2,570	-1,684	1,198
Pennsylvania	-69,966	-15,724	9,238	77,271	119,623	50,587	75,625
Tennessee	-35	0	68	110	62	69	0
Texas	-34,335	-32,473	5,851	72,434	77,260	71,631	51,254
Utah	-4,476	-7,759	1,240	8,305	7,036	-2,187	7,272
Virginia	-447	-268	179	496	978	393	488
Washington	-4,927	-412	-624	7,520	3,221	-362	1,092
West Virginia	-32,162	-16,008	5,161	37,668	61,978	43,394	44,494
Wyoming	-2,151	-2,118	4,899	5,576	4,741	-1,250	5,800
AGA Regions							
Producing	-107,616	-57,180	13,624	191,320	228,568	173,250	128,748
Eastern Consuming	-264,456	-80,488	95,425	397,516	552,572	269,404	366,294
Western Consuming	-39,930	-21,924	25,265	86,900	60,042	4,737	62,981
Total	-412,002	-159,592	134,315	675,736	841,183	447,391	558,024

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						
	November	October	September	August	July	June	May
Alabama	-396	-128	-64	-97	-250	2	-100
Arkansas	164	-19	-393	-390	-340	-463	-504
California	-3,132	-8,108	-4,707	300	-7,074	-12,551	-20,711
Colorado	-216	860	-4,010	-6,603	-3,949	-3,290	700
Illinois	19,257	-29,678	-38,523	-36,355	-28,449	-37,470	-26,234
Indiana	-35	-2,819	-3,096	-2,706	-3,524	-2,988	-1,452
Iowa	-3,202	-12,941	-12,563	-12,477	-12,189	-4,981	-701
Kansas	10,896	2,224	-11,061	-9,211	-2,974	-11,587	-17,806
Kentucky	4,857	-1,870	-6,208	-5,606	-4,142	-7,907	-9,766
Louisiana	30,071	-6,114	-37,513	-13,157	-6,555	-19,113	-33,062
Maryland	80	143	44	-2,104	-2,618	-2,504	-780
Michigan	46,438	-12,987	-49,663	-54,020	-51,389	-58,362	-39,468
Minnesota	-85	-198	-299	-288	-276	0	0
Mississippi	-381	1,973	89	-4,789	-2,822	-6,879	-8,184
Missouri	-272	-294	-781	-1,096	18	13	10
Montana	1,917	69	-4,292	-5,185	-6,590	-3,915	-1,879
Nebraska	55	0	-922	-705	238	-601	-1,036
New Mexico	1,324	706	-486	755	366	1,211	-1,304
New York	3,803	-1,638	-5,554	-5,554	-7,710	-11,015	-6,751
Ohio	17,321	-6,959	-22,382	-27,004	-30,971	-32,067	-25,799
Oklahoma	9,679	3,302	-6,868	2,172	-985	-13,006	-25,468
Oregon	-918	-503	-690	-2,120	-2,679	-3,182	491
Pennsylvania	9,413	-4,996	-37,856	-24,677	-29,850	-49,766	-41,830
Tennessee	88	2	3	4	15	2	7
Texas	31,438	-9,965	-19,950	9,023	-142	-14,881	-23,862
Utah	3,375	401	-3,633	-6,336	-6,807	-7,112	-7,913
Virginia	274	-222	-301	-146	-274	-289	-537
Washington	-1,335	1,698	-1,487	-956	-620	-2,918	-4,057
West Virginia	14,592	3,632	-16,735	-20,483	-22,527	-29,037	-22,101
Wyoming	2,629	291	-1,837	-3,702	-4,164	-3,920	-2,877
AGA Regions							
Producing	82,796	-8,020	-76,245	-15,694	-13,701	-64,716	-110,290
Eastern Consuming	112,668	-70,626	-194,538	-192,929	-193,372	-236,972	-176,437
Western Consuming	2,236	-5,490	-20,955	-24,891	-32,159	-36,888	-36,245
Total	197,700	-84,135	-291,738	-233,514	-239,233	-338,575	-322,972

See footnotes at end of table.

Table 13

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

(Volumes in Million Cubic Feet) — Continued

State	2002				2001		
	April	March	February	January	Total	December	November
Alabama	-257	271	108	210	-1,499	-14	-522
Arkansas	-47	235	770	486	-2,874	513	-87
California	-20,680	5,245	4,939	39,393	-64,674	25,035	616
Colorado	-2,247	5,766	7,182	4,892	-7,080	1,520	-106
Illinois	8,790	26,990	49,634	58,536	-25,587	46,435	-726
Indiana	1,997	3,589	4,666	4,084	-5,910	3,832	-2,310
Iowa	363	7,122	15,015	21,622	-21,435	17,655	-3,054
Kansas	-6,721	12,651	17,130	19,274	-45,586	12,165	-4,343
Kentucky	400	10,669	11,384	8,665	-38,209	6,123	-52
Louisiana	-11,352	18,770	39,103	41,561	-150,239	23,713	-20,241
Maryland	427	2,121	1,352	2,722	-5,307	1,508	-71
Michigan	-10,433	74,426	73,014	84,521	-203,022	65,526	-8,403
Minnesota	134	375	332	304	-713	3	-135
Mississippi	-1,528	4,016	8,337	9,588	-20,286	4,212	-2,502
Missouri	215	1,089	825	-24	-799	266	-255
Montana	707	3,605	2,765	3,400	-9,198	3,874	496
Nebraska	-261	1,628	679	1,267	-2,349	831	-45
New Mexico	87	1,131	1,655	1,285	-9,425	651	-1,107
New York	-1,459	7,783	10,978	14,435	-17,144	8,569	-1,338
Ohio	-9,911	33,060	44,426	41,480	-62,723	30,969	2,925
Oklahoma	-13,141	13,099	20,976	23,962	-87,215	11,048	-2,691
Oregon	1,648	2,859	787	1,424	-2,619	1,572	-766
Pennsylvania	-16,389	46,264	62,974	61,675	-93,763	48,276	-9,610
Tennessee	0	-1	-1	.50	-337	1	-30
Texas	-25,965	10,269	27,590	36,821	-172,746	-55	-15,137
Utah	-3,510	2,811	7,407	11,857	-12,738	9,554	3,157
Virginia	-160	383	677	500	-1,341	277	-27
Washington	-3,810	849	4,145	7,037	-2,821	-102	145
West Virginia	-10,731	20,896	39,632	41,761	-79,233	25,054	-5,366
Wyoming	-2,081	2,175	3,197	3,239	-8,701	2,853	-1,031
AGA Regions							
Producing	-58,923	60,442	115,667	133,186	-489,871	52,233	-46,629
Eastern Consuming	-37,154	236,020	315,254	341,195	-557,160	255,322	-28,361
Western Consuming	-29,838	23,685	30,755	71,547	-108,544	44,308	2,376
Total	-125,916	320,146	461,676	545,928	-1,155,575	351,862	-72,614

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					
	October	September	August	July	June	May
Alabama	-293	-366	-113	-154	-576	44
Arkansas	-338	-579	-505	-740	-879	-992
California	-14,716	-9,559	-11,195	-21,278	-29,695	-29,927
Colorado	706	-5,115	-4,593	-4,214	-4,099	-2,326
Illinois	-25,879	-33,020	-23,439	-20,310	-25,516	-30,499
Indiana	-4,094	-4,087	-2,954	-3,719	-3,189	-1,382
Iowa	-11,915	-13,993	-13,804	-10,345	-6,250	-5,752
Kansas	-1,160	-17,194	-7,456	-6,314	-13,667	-14,194
Kentucky	-5,254	-9,115	-6,489	-10,109	-13,052	-12,071
Louisiana	-11,123	-34,949	-13,447	-28,898	-42,731	-40,248
Maryland	-1,349	-1,221	409	-2,644	-3,170	-2,714
Michigan	-41,694	-75,897	-79,599	-87,304	-81,678	-72,160
Minnesota	-174	-232	-266	-329	-319	-152
Mississippi	1,082	-4,069	-1,981	-5,353	-6,263	-9,215
Missouri	-247	-348	-589	13	-1,063	17
Montana	-1,576	-4,853	-4,966	-5,524	-4,034	-2,902
Nebraska	-361	-1,250	-364	-339	-956	-1,908
New Mexico	-206	-932	6	83	-430	-2,718
New York	-3,375	-6,342	-6,260	-10,236	-11,216	-13,547
Ohio	-9,862	-26,448	-32,365	-37,999	-32,405	-33,196
Oklahoma	-3,992	-17,988	-8,939	-13,729	-28,981	-35,265
Oregon	0	-845	-1,860	-2,295	-2,561	-2,151
Pennsylvania	-18,104	-39,316	-25,643	-51,167	-55,953	-67,098
Tennessee	-100	-62	-47	-63	-31	-113
Texas	-21,142	-28,804	-23,960	-20,644	-34,494	-40,915
Utah	-291	-7,384	-5,941	-7,179	-6,356	-7,249
Virginia	-32	-271	-322	-244	-402	-532
Washington	1,030	-1,450	-1,343	372	-200	-8,283
West Virginia	-12,943	-22,526	-25,976	-31,342	-28,873	-39,574
Wyoming	-2,112	-3,717	-3,169	-2,899	-1,812	-2,070
AGA Regions						
Producing	-37,173	-104,882	-56,394	-75,749	-128,023	-143,503
Eastern Consuming	-135,210	-233,897	-217,442	-265,806	-263,754	-280,526
Western Consuming	-17,133	-33,154	-33,334	-43,346	-49,075	-55,061
Total	-189,516	-371,933	-307,170	-384,901	-440,851	-479,091

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, May 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	3,400	5,625	1,194	54.1	1,089	99
Arkansas	22,000	8,715	3,625	12,340	-2,175	-37.5	634	2
California	474,920	233,235	129,843	363,079	-59,562	-31.4	29,017	1,158
Colorado	100,227	47,630	17,762	65,392	-1,897	-9.7	2,301	2,938
Illinois	898,565	666,338	109,713	776,051	5,573	5.4	30,400	1,001
Indiana	112,467	79,060	14,192	93,252	-2,209	-13.5	1,784	175
Iowa	273,200	199,550	10,807	210,357	4,970	85.1	4,282	588
Kansas	301,502	178,487	37,644	216,132	-23,441	-38.4	12,661	1,643
Kentucky	220,597	139,786	29,673	169,459	-17,477	-37.1	10,760	844
Louisiana	576,841	269,685	102,534	372,219	-95,416	-48.2	32,894	3,901
Maryland	62,000	46,677	8,507	55,184	1,211	16.6	2,575	41
Michigan	1,075,261	443,537	153,348	596,885	-161,006	-51.2	72,439	1,315
Minnesota	7,000	4,840	708	5,548	-302	-29.9	0	0
Mississippi	144,787	80,375	38,717	119,092	-1,552	-3.9	10,367	1,716
Missouri	31,992	21,600	9,621	31,221	1,665	20.9	1,560	36
Montana	374,125	179,343	16,294	195,637	3,178	24.2	3,464	2,423
Nebraska	39,469	26,995	2,659	29,654	-1,227	-31.6	647	111
New Mexico	96,600	29,766	7,446	37,212	-2,672	-26.4	898	943
New York	189,267	98,856	34,705	133,561	-9,825	-22.1	10,287	500
Ohio	575,959	347,765	55,244	403,009	-22,309	-28.8	32,337	614
Oklahoma	382,037	207,428	49,575	257,003	-68,116	-57.9	24,477	1,436
Oregon	22,042	9,714	4,229	13,943	1,282	43.5	113	0
Pennsylvania	950,148	339,701	166,671	506,371	-63,242	-27.5	71,319	1,353
Tennessee	1,200	340	214	554	-411	-65.7	42	7
Texas	723,922	236,034	160,146	396,180	-125,213	-43.9	50,849	16,515
Utah	129,480	64,703	32,823	97,526	8,491	34.9	5,117	641
Virginia	2,992	2,387	1,107	3,494	-520	-32.0	458	12
Washington	37,720	19,668	11,794	31,461	-990	-7.7	5,336	409
West Virginia	497,996	272,927	73,760	346,687	-26,164	-26.2	32,304	141
Wyoming	105,869	64,730	17,191	81,921	-6,012	-25.9	2,187	36
AGA Regions								
Producing	2,252,968	1,012,715	403,089	1,415,803	-317,391	-44.1	133,870	26,254
Eastern Consuming	4,931,114	2,685,518	670,220	3,355,738	-290,970	-30.3	271,194	6,738
Western Consuming	1,251,382	623,863	230,643	854,506	-55,813	-19.5	47,536	7,606
Total	8,435,463	4,322,096	1,303,952	5,626,047	-664,173	-33.7	452,600	40,598

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

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

State	YTD 2003	YTD 2002	YTD 2001	2003		
				April	March	February
Alabama	29,390	26,883	33,122	3,125	5,999	9,811
Alaska	7,295	7,761	6,714	1,328	2,046	1,705
Arizona	19,577	21,466	22,166	2,963	4,852	4,836
Arkansas	NA	24,057	22,205	NA	NA	NA
California	217,658	244,765	258,280	45,497	50,395	60,278
Colorado	61,005	NA	72,902	8,598	14,554	19,901
Connecticut	26,834	NA	24,354	4,140	5,900	8,437
Delaware	6,705	5,278	6,137	955	1,548	1,995
District of Columbia	8,859	6,757	8,582	1,053	1,714	2,677
Florida	8,755	7,614	8,750	1,205	1,614	2,867
Georgia	69,638	61,538	67,990	7,233	12,040	20,574
Hawaii	197	193	186	47	49	50
Idaho	10,137	11,484	11,146	1,862	2,480	2,765
Illinois	273,575	244,265	245,639	35,326	59,657	82,312
Indiana	93,958	84,430	90,829	10,602	18,731	29,190
Iowa	NA	39,245	44,640	5,598	10,447	NA
Kansas	NA	41,451	47,416	6,300	12,405	NA
Kentucky	37,386	31,305	33,261	3,600	6,923	12,058
Louisiana	NA	29,947	29,034	2,950	NA	NA
Maine	644	502	563	106	161	177
Maryland	52,520	39,202	47,197	6,758	11,517	16,217
Massachusetts	76,970	58,555	68,455	13,038	19,395	23,246
Michigan	227,880	194,717	208,334	34,648	55,639	67,295
Minnesota	78,063	68,171	72,895	10,137	18,108	23,991
Mississippi	NA	16,090	18,200	1,848	NA	NA
Missouri	72,896	67,546	77,949	9,071	17,792	23,460
Montana	10,687	11,398	11,121	1,614	2,873	2,978
Nebraska	25,310	25,395	29,129	3,359	6,620	7,468
Nevada	17,013	17,644	17,412	2,960	4,059	4,563
New Hampshire	NA	3,687	4,182	825	1,220	1,433
New Jersey	145,868	109,372	129,618	22,293	34,235	43,657
New Mexico	NA	19,853	22,588	NA	NA	NA
New York	NA	200,648	227,096	43,761	R63,978	NA
North Carolina	41,283	33,464	37,007	4,944	8,559	13,197
North Dakota	6,580	6,081	5,725	825	1,663	1,970
Ohio	203,954	176,302	191,228	26,375	R46,719	62,676
Oklahoma	40,323	41,078	43,617	5,291	10,481	11,653
Oregon	19,862	21,685	21,224	3,838	4,992	5,064
Pennsylvania	161,847	126,950	151,535	22,406	38,646	49,505
Rhode Island	12,281	10,407	11,451	2,137	3,246	3,707
South Carolina	20,797	16,721	18,932	2,249	4,206	6,502
South Dakota	7,469	6,922	7,168	1,040	1,870	2,132
Tennessee	48,682	43,789	46,567	4,337	10,462	16,056
Texas	NA	117,834	125,412	11,380	28,672	NA
Utah	27,096	30,783	27,796	4,414	6,045	8,463
Vermont	1,899	1,519	1,727	332	483	580
Virginia	50,874	38,408	45,317	5,999	9,778	15,915
Washington	NA	40,308	38,230	7,061	9,371	NA
West Virginia	NA	18,778	20,375	NA	NA	NA
Wisconsin	81,055	70,615	74,095	11,862	17,965	23,499
Wyoming	6,498	NA	5,925	1,113	1,488	1,754
Total	2,924,326	2,616,466	2,841,424	415,500	R673,567	882,969

See footnotes at end of table.

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

State	2003	2002				
	January	Total	December	November	October	September
Alabama	10,454	44,311	7,294	2,750	1,166	1,075
Alaska	2,216	NA	2,144	1,448	1,255	856
Arizona	6,926	35,631	4,375	2,095	1,329	1,109
Arkansas	NA	39,142	5,753	3,122	1,220	797
California	61,487	511,078	65,607	36,675	31,457	23,154
Colorado	17,952	NA	19,113	15,201	9,670	3,487
Connecticut	8,359	NA	6,576	4,382	1,797	981
Delaware	2,206	9,105	1,492	823	262	171
District of Columbia	3,415	14,055	2,737	1,801	895	333
Florida	3,069	15,220	1,928	938	749	743
Georgia	29,792	127,872	25,175	15,904	5,610	3,679
Hawaii	51	539	48	46	36	44
Idaho	3,030	20,380	2,740	2,149	866	457
Illinois	96,280	465,543	74,419	52,978	29,433	10,088
Indiana	35,434	155,738	26,877	15,529	7,634	2,871
Iowa	13,968	71,486	11,126	7,625	3,960	1,417
Kansas	16,114	71,002	10,617	7,335	2,418	1,413
Kentucky	14,805	60,304	12,830	7,056	3,069	1,089
Louisiana	12,007	52,775	8,047	3,192	1,914	1,737
Maine	199	NA	169	103	66	26
Maryland	18,028	80,447	16,143	9,715	5,034	1,931
Massachusetts	21,290	NA	10,449	4,432	2,706	
Michigan	70,297	364,741	56,234	37,918	17,768	7,238
Minnesota	25,826	NA	20,302	15,925	10,147	3,314
Mississippi	5,600	NA	4,052	NA	769	683
Missouri	22,573	115,721	17,994	10,955	4,087	2,389
Montana	3,222	21,605	2,831	2,262	1,453	560
Nebraska	7,863	43,033	6,219	4,217	1,698	881
Nevada	5,431	32,003	4,226	2,603	1,428	1,081
New Hampshire	NA	6,978	1,071	665	279	169
New Jersey	45,683	208,910	36,647	21,943	10,021	5,117
New Mexico	NA	33,183	4,850	2,661	1,138	830
New York	71,105	375,601	54,155	33,846	15,993	9,721
North Carolina	14,583	58,973	10,941	6,327	2,060	1,045
North Dakota	2,122	NA	1,692	1,287	1,046	282
Ohio	68,185	324,416	53,474	31,831	16,314	6,057
Oklahoma	12,897	68,285	9,806	5,486	1,871	1,468
Oregon	5,968	38,866	5,167	3,424	1,436	931
Pennsylvania	51,289	237,640	40,690	24,408	11,310	5,155
Rhode Island	3,191	18,615	2,621	1,580	625	431
South Carolina	7,840	27,757	5,315	2,040	610	499
South Dakota	2,427	12,861	1,693	1,487	930	284
Tennessee	17,827	71,279	12,749	5,712	1,860	1,131
Texas	45,416	NA	32,982	NA	9,325	6,207
Utah	8,174	58,895	8,257	6,702	4,475	2,001
Vermont	504	2,761	385	274	98	63
Virginia	19,182	77,001	15,315	9,465	4,325	1,585
Washington	10,385	73,752	9,204	6,861	3,158	1,893
West Virginia	NA	32,550	5,256	3,325	1,541	544
Wisconsin	27,729	136,129	20,800	15,669	9,616	2,875
Wyoming	2,145	NA	1,844	1,372	885	396
Total	952,290	4,918,107	769,324	489,711	250,537	124,997

See footnotes at end of table.

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

State	2002					
	August	July	June	May	April	March
Alabama	1,067	1,094	1,376	1,606	3,315	7,033
Alaska	612	436	NA	989	1,453	2,185
Arizona	1,048	1,108	1,384	1,718	2,678	4,531
Arkansas	783	835	1,066	1,510	3,707	6,174
California	23,498	24,896	26,372	34,653	43,114	58,010
Colorado	2,491	2,556	2,635	5,094	NA	17,031
Connecticut	972	819	1,259	2,022	3,702	4,736
Delaware	162	191	265	460	909	1,286
District of Columbia	314	314	347	559	798	1,648
Florida	725	779	836	909	1,252	1,954
Georgia	3,598	3,707	3,766	4,895	5,842	13,905
Hawaii	42	45	41	44	49	48
Idaho	360	391	697	1,237	1,795	2,797
Illinois	9,170	9,527	12,241	23,423	42,614	65,402
Indiana	2,953	2,634	4,167	8,643	14,105	21,786
Iowa	1,408	1,322	1,864	3,521	6,509	10,467
Kansas	1,352	1,463	1,988	2,965	6,316	10,662
Kentucky	1,103	1,032	1,129	1,691	3,667	8,162
Louisiana	1,646	1,759	2,355	2,179	4,361	7,700
Maine	26	25	NA	49	88	134
Maryland	1,640	1,635	2,059	3,088	4,739	9,705
Massachusetts	2,334	3,231	4,519	6,854	10,259	14,639
Michigan	6,428	7,505	13,734	23,198	35,940	49,969
Minnesota	NA	2,998	3,474	7,835	10,885	19,906
Mississippi	682	717	920	1,019	2,147	4,154
Missouri	2,075	2,353	3,148	5,173	10,616	16,977
Montana	451	454	785	1,412	2,079	3,207
Nebraska	735	893	1,156	1,839	4,222	6,223
Nevada	940	1,033	1,296	1,753	2,405	3,726
New Hampshire	145	212	303	445	653	934
New Jersey	4,635	4,968	6,250	9,956	17,515	27,256
New Mexico	810	817	958	1,266	2,647	4,947
New York	9,188	11,004	15,286	25,760	38,069	51,006
North Carolina	889	1,019	1,456	1,771	4,110	7,872
North Dakota	NA	195	248	641	1,028	1,761
Ohio	6,084	7,578	9,957	16,819	29,556	45,239
Oklahoma	1,700	1,711	2,187	2,978	6,630	10,581
Oregon	840	993	1,613	2,776	3,851	5,257
Pennsylvania	4,465	5,177	7,274	12,211	22,201	31,731
Rhode Island	424	476	783	1,268	1,858	2,976
South Carolina	482	538	721	832	1,901	4,261
South Dakota	239	224	326	757	1,231	1,941
Tennessee	1,089	1,196	1,667	2,087	5,347	11,326
Texas	6,400	6,736	7,014	7,587	15,490	30,253
Utah	1,412	1,412	1,574	2,277	3,244	7,740
Vermont	58	64	119	182	312	346
Virginia	1,635	1,519	1,976	2,773	4,365	9,394
Washington	1,675	1,972	3,142	5,537	7,879	10,270
West Virginia	444	532	528	1,602	2,616	4,485
Wisconsin	2,656	2,587	3,458	7,853	11,317	20,423
Wyoming	183	NA	453	815	1,269	NA
Total	117,339	127,742	163,460	258,529	420,662	665,990

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			
	February	January	Total	December	November	October
Alabama	7,640	8,895	49,229	4,469	3,074	1,706
Alaska	1,998	2,125	16,818	2,785	2,187	1,662
Arizona	6,659	7,599	37,049	5,338	1,845	1,311
Arkansas	6,960	7,216	37,202	5,759	3,407	1,534
California	64,134	79,507	512,695	64,425	39,037	29,189
Colorado	19,643	21,658	123,629	17,103	8,526	4,058
Connecticut	NA	6,197	40,599	5,369	3,574	2,113
Delaware	1,385	1,697	9,175	815	615	334
District of Columbia	1,988	2,324	12,947	1,231	865	428
Florida	1,893	2,516	15,547	1,199	983	762
Georgia	19,447	22,343	119,969	16,734	8,398	7,915
Hawaii	48	49	537	47	43	40
Idaho	3,442	3,450	19,118	2,827	1,601	713
Illinois	64,032	72,217	427,146	64,165	34,223	26,244
Indiana	21,741	26,798	147,338	18,881	11,475	8,020
Iowa	10,288	11,981	71,074	9,075	4,795	3,531
Kansas	11,197	13,277	70,182	8,412	3,836	2,057
Kentucky	9,346	10,130	56,947	9,578	5,135	3,187
Louisiana	8,585	9,300	49,003	5,802	3,326	2,230
Maine	138	141	954	132	61	54
Maryland	11,885	12,873	76,891	8,906	5,564	4,890
Massachusetts	16,360	17,297	106,636	9,272	7,038	4,510
Michigan	49,807	59,002	343,682	40,939	27,514	18,699
Minnesota	16,809	20,571	124,891	17,820	9,708	7,587
Mississippi	3,929	5,860	27,909	2,827	1,903	921
Missouri	18,792	21,161	116,188	13,263	6,977	3,942
Montana	2,799	3,313	20,147	2,952	1,842	1,160
Nebraska	6,220	8,729	46,663	4,352	4,791	1,777
Nevada	5,642	5,871	32,609	5,877	2,188	1,245
New Hampshire	1,053	1,047	6,812	735	490	300
New Jersey	30,266	34,336	209,834	23,936	15,915	9,706
New Mexico	6,135	6,124	36,577	4,986	1,993	1,170
New York	53,782	57,791	376,176	42,904	27,651	16,847
North Carolina	9,570	11,913	56,815	6,443	4,592	2,514
North Dakota	1,455	1,837	10,570	1,714	999	771
Ohio	47,494	54,013	308,522	37,245	23,529	15,668
Oklahoma	11,106	12,761	64,622	7,715	3,407	1,891
Oregon	6,096	6,480	38,271	5,274	3,342	1,442
Pennsylvania	33,339	39,679	238,849	26,948	17,515	11,085
Rhode Island	2,648	2,925	17,937	1,609	1,153	617
South Carolina	4,632	5,926	27,485	2,537	2,071	892
South Dakota	1,726	2,024	12,335	1,801	974	670
Tennessee	12,157	14,959	68,053	8,012	4,509	2,198
Texas	29,456	42,635	208,449	29,757	12,891	7,927
Utah	9,276	10,522	55,008	10,075	5,575	3,468
Vermont	441	419	2,719	270	203	91
Virginia	11,122	13,527	70,249	8,084	5,192	3,088
Washington	11,229	10,931	84,416	15,980	11,145	5,692
West Virginia	5,765	5,912	33,459	4,771	3,090	2,234
Wisconsin	17,975	20,900	125,277	17,762	9,205	7,696
Wyoming	1,439	2,365	10,977	1,499	1,040	716
Total	706,695	823,120	4,776,186	610,411	361,013	238,503

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

State	YTD 2003	YTD 2002	YTD 2001	2003		
				April	March	February
Alabama	13,893	12,657	14,878	1,948	3,000	4,466
Alaska	7,281	7,270	6,449	1,627	1,843	1,637
Arizona	13,508	14,542	13,971	2,802	3,373	3,330
Arkansas	NA	16,885	15,860	NA	NA	NA
California	NA	96,173	101,730	22,009	24,905	NA
Colorado	29,001	NA	37,511	4,526	7,272	9,018
Connecticut	19,740	NA	22,503	3,584	4,542	5,540
Delaware	NA	3,359	3,438	712	1,002	1,416
District of Columbia	8,520	7,933	8,731	1,499	2,017	2,456
Florida	20,673	19,735	19,556	4,585	4,948	5,671
Georgia	26,240	25,012	26,085	3,540	4,810	7,727
Hawaii	601	564	609	144	146	150
Idaho	6,026	8,414	7,520	1,104	1,472	1,638
Illinois	111,918	103,357	103,322	15,427	25,986	33,167
Indiana	49,100	41,997	45,025	5,541	10,132	15,384
Iowa	NA	24,120	27,000	3,735	6,519	NA
Kansas	22,152	20,848	23,406	2,959	5,701	6,708
Kentucky	23,260	19,121	20,515	3,059	5,293	6,977
Louisiana	NA	10,261	13,829	1,530	NA	NA
Maine	2,149	NA	1,499	414	560	638
Maryland	33,531	28,528	29,431	5,810	7,302	9,548
Massachusetts	36,978	35,962	34,198	7,411	8,147	10,959
Michigan	106,815	88,429	101,076	17,590	26,544	30,626
Minnesota	54,150	NA	52,546	7,975	12,326	16,315
Mississippi	NA	10,326	11,296	1,498	NA	NA
Missouri	36,703	34,451	39,582	4,875	9,142	11,638
Montana	7,077	7,684	7,212	1,220	1,943	1,978
Nebraska	15,541	15,019	15,936	2,476	4,077	4,715
Nevada	9,681	10,342	10,041	1,997	2,376	2,475
New Hampshire	NA	4,607	4,653	949	1,367	NA
New Jersey	85,629	66,135	78,734	14,743	20,728	24,976
New Mexico	NA	13,701	13,532	NA	NA	NA
New York	NA	129,082	131,522	23,904	R36,670	NA
North Carolina	23,630	19,507	21,108	3,408	4,991	7,375
North Dakota	NA	NA	5,409	NA	1,537	1,832
Ohio	103,757	84,714	102,745	14,358	R23,536	29,645
Oklahoma	19,972	23,466	25,332	2,964	5,252	5,960
Oregon	12,781	14,913	14,378	2,550	3,191	3,295
Pennsylvania	88,427	71,691	77,861	13,373	20,545	25,661
Rhode Island	6,756	NA	7,344	1,190	1,744	1,972
South Carolina	NA	9,822	10,304	1,762	2,345	3,220
South Dakota	5,537	5,208	5,390	790	1,383	1,651
Tennessee	32,812	27,343	31,558	3,897	7,314	10,384
Texas	NA	77,337	83,012	15,831	21,049	NA
Utah	14,882	17,558	15,754	2,564	3,344	4,525
Vermont	1,614	1,288	1,453	302	397	486
Virginia	NA	28,992	30,268	4,841	7,323	NA
Washington	22,678	26,735	24,334	4,670	5,634	5,884
West Virginia	NA	11,293	13,239	NA	NA	NA
Wisconsin	47,905	40,470	43,428	6,607	11,162	14,337
Wyoming	4,660	5,546	5,259	901	1,099	1,307
Total	1,596,684	1,456,030	1,561,370	255,951	R377,416	470,615

See footnotes at end of table.

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

State	2003	2002				
	January	Total	December	November	October	September
Alabama	4,479	NA	3,324	1,858	1,201	1,078
Alaska	2,174	NA	2,308	1,853	1,196	799
Arizona	4,002	32,836	3,447	2,521	1,994	1,915
Arkansas	3,476	33,255	3,834	2,786	1,763	1,355
California	NA	242,131	22,450	15,268	18,657	16,290
Colorado	8,185	NA	9,059	7,228	5,014	2,223
Connecticut	6,074	NA	5,581	3,990	2,443	1,838
Delaware	NA	NA	NA	580	259	201
District of Columbia	2,548	NA	NA	2,046	1,271	857
Florida	5,469	51,954	5,102	4,142	3,676	3,823
Georgia	10,162	52,821	9,069	4,704	2,794	2,085
Hawaii	161	1,720	151	146	144	144
Idaho	1,812	14,779	1,686	1,326	699	476
Illinois	37,339	208,231	28,990	21,752	14,326	7,862
Indiana	18,043	NA	13,468	8,694	5,439	2,541
Iowa	8,265	46,248	6,639	4,877	2,652	1,847
Kansas	6,784	38,812	5,065	3,707	1,948	1,281
Kentucky	7,930	37,256	5,932	3,931	2,157	1,058
Louisiana	2,578	24,301	2,735	2,150	1,862	1,873
Maine	537	NA	NA	NA	NA	459
Maryland	10,870	65,323	10,259	7,154	4,656	3,590
Massachusetts	10,462	79,737	10,105	6,660	5,277	3,911
Michigan	32,055	173,019	24,214	16,312	9,435	5,442
Minnesota	17,534	NA	14,151	10,890	7,811	3,848
Mississippi	3,590	NA	2,608	NA	1,202	1,087
Missouri	11,049	64,806	8,549	5,796	3,724	2,077
Montana	1,936	14,612	1,744	1,432	914	440
Nebraska	4,273	27,870	3,528	2,297	1,218	965
Nevada	2,832	22,904	2,540	1,936	1,485	1,255
New Hampshire	NA	NA	1,322	1,007	NA	NA
New Jersey	25,181	149,268	22,805	13,465	8,958	8,381
New Mexico	NA	25,044	3,006	1,691	1,119	778
New York	41,449	332,015	35,572	35,940	19,972	21,083
North Carolina	7,856	40,143	6,200	3,648	2,429	1,625
North Dakota	1,947	NA	1,611	1,310	1,017	363
Ohio	36,218	163,260	24,518	16,203	9,189	4,403
Oklahoma	5,796	41,076	4,830	2,942	1,504	1,512
Oregon	3,745	28,530	3,335	2,345	1,286	1,082
Pennsylvania	28,848	148,346	22,449	14,434	9,393	5,414
Rhode Island	1,849	NA	1,095	652	621	429
South Carolina	NA	21,328	2,901	1,715	1,192	1,123
South Dakota	1,713	10,252	1,374	1,185	762	314
Tennessee	11,218	NA	7,936	4,027	2,350	2,143
Texas	28,126	NA	22,819	NA	12,236	10,586
Utah	4,449	33,894	4,454	3,627	2,353	1,266
Vermont	429	2,470	332	238	114	83
Virginia	11,330	63,896	9,692	6,667	4,272	2,657
Washington	6,489	51,868	5,724	4,439	2,521	1,937
West Virginia	NA	23,072	3,231	2,319	870	884
Wisconsin	15,800	85,132	12,935	9,858	6,478	3,025
Wyoming	1,353	11,099	1,495	1,159	767	391
Total	492,702	3,117,901	410,739	295,372	195,594	142,557

See footnotes at end of table.

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

State	2002					
	August	July	June	May	April	March
Alabama	NA	1,073	1,185	1,353	1,901	3,226
Alaska	669	557	933	NA	1,688	1,831
Arizona	1,891	1,976	2,152	2,399	2,779	3,482
Arkansas	1,387	1,752	1,558	1,934	2,967	4,395
California	17,840	17,229	17,778	20,446	20,574	22,685
Colorado	1,731	1,691	1,716	3,020	NA	8,062
Connecticut	1,932	1,800	1,855	2,263	3,804	4,916
Delaware	182	187	225	364	594	834
District of Columbia	838	824	797	969	1,247	2,030
Florida	3,679	3,837	3,949	4,011	4,478	5,175
Georgia	2,138	2,176	2,172	2,670	3,032	5,910
Hawaii	138	147	146	139	143	138
Idaho	380	366	561	870	1,386	2,091
Illinois	6,770	6,783	7,135	11,256	19,182	27,134
Indiana	NA	2,160	2,720	3,750	6,995	10,863
Iowa	1,232	1,275	1,521	2,086	3,885	6,436
Kansas	1,463	1,424	1,327	1,750	3,223	5,301
Kentucky	1,123	1,097	1,011	1,825	2,600	5,481
Louisiana	1,412	1,420	1,467	1,121	1,660	2,956
Maine	328	NA	365	NA	NA	679
Maryland	2,754	2,440	2,776	3,166	4,450	7,634
Massachusetts	3,867	3,542	4,788	5,626	7,139	8,517
Michigan	5,010	5,484	7,380	11,311	17,809	20,604
Minnesota	NA	3,356	3,423	6,149	9,366	NA
Mississippi	785	1,068	1,159	1,023	1,691	2,592
Missouri	1,920	2,016	2,218	4,053	5,728	8,756
Montana	413	425	584	977	1,449	2,076
Nebraska	929	975	1,268	1,670	3,063	4,044
Nevada	1,190	1,208	1,373	1,575	1,798	2,730
New Hampshire	280	328	NA	653	844	1,195
New Jersey	5,972	6,158	6,522	10,873	12,326	14,247
New Mexico	953	962	1,208	1,627	2,395	3,415
New York	23,416	23,454	21,462	22,035	27,740	32,501
North Carolina	1,440	1,512	1,880	1,902	2,856	4,775
North Dakota	NA	282	286	656	980	NA
Ohio	4,288	4,704	5,800	9,441	14,847	22,737
Oklahoma	1,519	1,417	1,652	2,235	3,959	5,630
Oregon	1,008	1,090	1,430	2,042	2,642	3,449
Pennsylvania	5,316	5,128	5,914	8,607	13,508	17,923
Rhode Island	522	409	526	824	1,151	NA
South Carolina	1,047	1,081	1,162	1,284	1,607	2,461
South Dakota	266	277	310	555	968	1,414
Tennessee	1,928	1,884	NA	2,599	4,325	6,459
Texas	11,030	9,761	10,239	10,707	14,767	22,571
Utah	998	953	1,057	1,627	2,239	4,189
Vermont	75	72	108	161	249	294
Virginia	2,650	2,603	2,765	3,598	4,231	7,654
Washington	1,904	2,061	2,778	3,769	5,211	6,184
West Virginia	966	924	1,068	1,517	2,097	3,025
Wisconsin	2,976	2,281	2,597	4,513	6,634	11,404
Wyoming	220	470	420	630	1,000	1,391
Total	140,085	136,410	150,274	190,840	265,255	371,550

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			
	February	January	Total	December	November	October
Alabama	3,530	4,000	26,377	2,274	1,797	1,393
Alaska	1,782	1,970	15,849	2,299	1,911	1,499
Arizona	3,992	4,288	31,121	3,574	2,240	1,819
Arkansas	4,857	4,666	32,031	3,694	2,901	2,083
California	24,573	28,341	245,795	25,444	19,010	18,308
Colorado	9,076	10,856	65,011	8,243	4,204	2,408
Connecticut	NA	5,464	44,404	4,406	4,339	2,253
Delaware	892	1,039	5,680	522	396	290
District of Columbia	2,204	2,452	16,546	1,506	1,223	802
Florida	4,782	5,299	49,286	4,215	4,026	3,617
Georgia	7,633	8,438	50,645	6,149	4,008	3,443
Hawaii	138	145	1,749	136	137	138
Idaho	2,493	2,444	13,623	1,820	1,060	613
Illinois	26,191	30,850	189,160	25,230	14,372	12,120
Indiana	11,356	12,783	78,479	9,276	6,253	5,016
Iowa	6,362	7,436	45,911	5,584	3,556	2,842
Kansas	5,633	6,690	38,127	4,147	2,200	1,491
Kentucky	5,567	5,473	35,255	4,485	2,867	1,772
Louisiana	2,775	2,870	28,833	2,827	2,066	1,780
Maine	701	738	2,642	330	257	140
Maryland	8,057	8,388	59,802	6,102	5,197	4,473
Massachusetts	10,392	9,914	61,677	6,278	4,369	3,061
Michigan	24,282	25,734	173,791	19,143	13,259	9,466
Minnesota	11,181	12,941	93,845	12,297	6,546	6,185
Mississippi	2,814	3,229	21,579	2,004	1,659	1,234
Missouri	9,749	10,219	64,924	7,407	4,083	2,787
Montana	1,898	2,260	13,245	1,770	1,147	725
Nebraska	4,328	3,584	27,792	3,269	1,742	1,079
Nevada	2,789	3,026	22,912	2,731	1,774	1,383
New Hampshire	1,296	1,272	7,349	765	493	260
New Jersey	18,908	20,655	136,578	14,241	10,382	6,904
New Mexico	3,981	3,910	24,150	2,661	1,443	1,183
New York	34,387	34,454	347,253	37,264	26,198	26,630
North Carolina	5,587	6,287	38,583	4,038	2,946	2,264
North Dakota	1,374	1,747	10,456	1,626	997	781
Ohio	24,083	23,048	172,537	21,128	11,693	8,990
Oklahoma	6,986	6,891	42,110	3,988	2,310	1,786
Oregon	3,969	4,853	27,884	3,348	2,252	1,284
Pennsylvania	19,523	20,737	136,468	15,565	10,114	8,255
Rhode Island	1,641	1,758	12,808	1,222	934	635
South Carolina	2,739	3,016	20,743	1,870	1,585	1,298
South Dakota	1,309	1,518	9,711	1,378	780	600
Tennessee	7,390	9,170	52,947	4,830	3,802	2,392
Texas	16,135	23,864	177,714	20,466	12,487	10,329
Utah	5,275	5,854	30,917	5,250	2,870	1,834
Vermont	383	362	2,473	241	189	108
Virginia	8,130	8,978	59,809	6,501	5,189	3,736
Washington	6,765	8,576	57,160	9,222	6,904	4,179
West Virginia	3,004	3,166	27,737	3,507	2,573	2,754
Wisconsin	10,392	12,040	76,439	10,056	5,712	5,111
Wyoming	994	2,161	9,535	979	1,081	607
Total	389,371	429,855	3,037,450	347,309	231,534	186,143

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		
				April	March	February
Alabama	53,091	56,180	55,759	12,181	12,615	13,738
Alaska	20,376	20,394	23,074	6,370	5,292	4,386
Arizona	5,918	NA	7,815	1,377	1,510	1,456
Arkansas	NA	41,902	41,463	NA	NA	NA
California	215,095	226,785	198,849	52,529	56,975	53,341
Colorado	NA	NA	24,065	7,789	10,445	12,398
Connecticut	10,236	NA	8,817	2,472	2,487	2,428
Delaware	6,595	7,786	7,543	922	1,381	1,880
District of Columbia	0	0	0	0	0	0
Florida	NA	34,399	30,241	5,633	5,616	NA
Georgia	47,613	48,878	46,716	12,024	10,952	11,701
Hawaii	154	163	185	38	40	36
Idaho ^a	9,312	10,257	11,253	2,210	2,404	2,204
Illinois	107,847	103,245	107,728	21,870	26,162	28,737
Indiana	91,701	90,755	93,556	19,223	21,778	24,137
Iowa	33,299	32,629	34,029	7,049	7,931	9,747
Kansas	34,347	30,582	32,020	7,083	8,292	8,971
Kentucky	36,214	34,037	37,092	7,044	8,099	9,711
Louisiana	231,756	242,377	241,975	60,281	55,684	55,001
Maine	NA	288	3,932	228	276	NA
Maryland	8,823	9,700	9,558	2,408	2,026	2,140
Massachusetts	NA	28,397	32,950	6,034	7,634	6,264
Michigan	95,468	89,840	90,685	19,507	22,977	26,375
Minnesota	34,196	31,262	34,184	7,148	7,990	9,626
Mississippi	35,168	34,624	35,331	7,751	7,819	8,919
Missouri	25,241	25,615	27,358	4,924	6,098	6,923
Montana	7,136	NA	8,769	1,842	1,858	1,989
Nebraska	12,288	11,581	12,555	3,502	2,470	3,071
Nevada	3,810	3,777	3,999	1,005	1,000	766
New Hampshire	NA	2,853	2,875	697	747	NA
New Jersey	28,629	30,143	30,596	6,496	7,136	7,313
New Mexico	NA	7,082	13,309	NA	NA	NA
New York	NA	65,689	33,732	12,547	14,941	NA
North Carolina	33,289	34,676	27,550	7,497	7,616	9,278
North Dakota	4,181	4,724	6,280	1,071	944	778
Ohio	107,699	110,280	118,768	23,385	25,983	28,180
Oklahoma	39,546	39,657	54,680	8,944	9,473	9,675
Oregon	22,298	26,489	25,619	5,250	5,589	5,514
Pennsylvania	70,865	71,748	73,409	15,749	17,252	17,666
Rhode Island	1,716	814	1,865	396	438	448
South Carolina	26,853	33,974	23,498	6,615	5,767	6,940
South Dakota	NA	1,516	1,783	1,001	NA	NA
Tennessee	40,567	43,323	42,265	9,410	9,815	10,404
Texas	548,259	614,778	755,563	129,114	134,280	137,228
Utah	8,849	9,403	12,124	2,022	2,187	2,240
Vermont	775	1,203	864	264	176	121
Virginia	22,867	23,091	20,488	4,138	6,258	6,306
Washington	NA	25,895	23,275	5,661	5,847	NA
West Virginia	NA	15,725	13,718	NA	NA	3,990
Wisconsin	56,699	56,097	57,736	11,684	13,030	15,374
Wyoming	NA	NA	12,813	4,206	NA	3,622
Total	2,401,154	2,522,966	2,614,311	549,469	584,339	616,038

See footnotes at end of table.

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

State	2003	2002				
	January	Total	December	November	October	September
Alabama	14,557	160,706	14,452	12,714	13,395	12,893
Alaska	4,328	66,205	4,298	4,563	5,586	5,536
Arizona	1,575	NA	1,712	NA	1,312	1,123
Arkansas	9,569	117,903	10,663	10,396	10,243	9,352
California	52,249	NA	61,111	NA	68,243	62,073
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	2,849	NA	2,971	2,865	2,540	2,048
Delaware	2,412	NA	NA	NA	NA	NA
District of Columbia	0	0	0	0	0	0
Florida	NA	95,828	7,733	7,746	8,161	7,500
Georgia	12,936	145,243	12,393	12,240	11,928	11,635
Hawaii	40	475	37	35	35	36
Idaho ^a	2,493	NA	2,425	2,347	2,385	2,185
Illinois	31,078	NA	26,771	24,986	23,786	18,360
Indiana	26,563	254,382	25,090	22,870	21,838	19,445
Iowa	8,572	90,401	8,920	9,120	7,443	6,477
Kansas	10,000	NA	10,304	10,413	8,194	11,168
Kentucky	11,359	98,608	9,706	9,627	8,942	7,589
Louisiana	60,789	710,309	66,473	66,043	58,144	54,625
Maine	611	1,281	16	61	164	122
Maryland	2,248	NA	2,153	NA	2,155	1,994
Massachusetts	NA	76,568	6,923	6,729	6,770	5,857
Michigan	26,609	236,820	23,516	19,902	15,945	14,669
Minnesota	9,432	NA	9,574	9,568	8,253	6,493
Mississippi	10,679	104,568	10,156	9,028	9,079	7,980
Missouri	7,297	67,310	6,295	5,955	6,056	4,280
Montana	1,447	NA	NA	2,150	1,863	1,646
Nebraska	3,245	40,143	3,178	2,913	2,822	4,393
Nevada	1,039	11,168	1,074	999	1,037	896
New Hampshire	NA	NA	NA	626	NA	588
New Jersey	7,684	NA	NA	7,060	6,391	6,011
New Mexico	NA	19,840	1,605	1,845	1,646	1,635
New York	12,356	179,110	16,750	17,192	16,602	15,570
North Carolina	8,898	98,980	8,889	8,801	8,610	7,745
North Dakota	1,388	NA	999	914	1,030	908
Ohio	30,151	317,701	31,608	29,025	26,778	22,411
Oklahoma	11,453	116,385	11,379	11,040	9,893	9,091
Oregon	5,945	72,039	6,150	5,856	5,808	5,507
Pennsylvania	20,197	197,661	19,257	17,729	16,319	14,254
Rhode Island	434	2,696	205	332	273	229
South Carolina	7,531	97,673	8,002	8,339	8,115	7,288
South Dakota	NA	4,588	506	546	394	271
Tennessee	10,937	NA	10,296	10,290	9,183	7,800
Texas	147,638	1,748,531	128,650	121,771	126,557	134,224
Utah	2,400	26,888	2,489	2,410	2,415	2,118
Vermont	215	3,013	279	281	263	193
Virginia	6,166	NA	5,158	NA	NA	6,582
Washington	6,080	68,985	5,874	5,978	5,741	5,132
West Virginia	^b 4,505	45,852	4,230	4,116	4,295	3,125
Wisconsin	16,611	139,326	14,561	12,584	11,438	8,630
Wyoming	5,518	NA	3,873	4,096	3,785	3,099
Total	651,309	7,241,296	636,202	593,345	597,105	555,938

See footnotes at end of table.

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

State	2002					
	August	July	June	May	April	March
Alabama	11,955	12,587	13,065	13,466	13,610	14,497
Alaska	6,106	7,174	6,640	5,909	4,759	4,595
Arizona	1,159	1,164	1,156	1,158	1,193	NA
Arkansas	9,048	7,669	9,000	9,630	9,778	9,795
California	66,371	63,160	54,341	55,260	54,374	61,534
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	2,068	2,450	2,280	2,406	NA	NA
Delaware	1,761	1,572	1,204	1,269	1,657	1,946
District of Columbia	0	0	0	0	0	0
Florida	7,814	7,455	6,847	8,171	9,243	8,777
Georgia	12,631	11,761	11,545	12,231	11,763	12,964
Hawaii	42	47	36	43	42	39
Idaho ^a	NA	NA	2,065	2,299	2,377	2,561
Illinois	19,300	NA	19,888	22,448	24,491	26,897
Indiana	19,534	19,189	17,091	18,569	20,499	23,325
Iowa	6,519	5,992	5,992	7,309	7,802	8,132
Kansas	NA	9,299	7,579	7,861	6,888	8,093
Kentucky	6,508	6,915	7,165	8,120	7,521	8,625
Louisiana	57,819	55,193	54,518	55,116	56,210	61,785
Maine	150	143	154	182	178	107
Maryland	NA	2,234	2,067	1,772	2,128	2,765
Massachusetts	7,201	3,764	5,584	5,343	6,302	7,805
Michigan	17,142	18,046	18,358	19,401	21,968	20,956
Minnesota	NA	6,711	6,735	6,942	7,848	8,329
Mississippi	8,539	8,743	8,120	8,298	8,245	9,275
Missouri	4,518	4,444	4,489	5,657	5,702	7,013
Montana	1,367	1,311	1,508	1,622	NA	1,881
Nebraska	4,910	5,647	1,876	2,823	2,757	2,339
Nevada	862	833	870	819	978	890
New Hampshire	NA	NA	749	727	693	817
New Jersey	NA	NA	6,277	6,559	6,723	7,380
New Mexico	1,433	1,507	1,543	1,543	1,750	1,777
New York	15,668	7,452	12,561	11,626	14,312	15,850
North Carolina	7,827	7,086	7,290	8,057	7,848	9,019
North Dakota	962	1,001	NA	1,130	1,071	1,119
Ohio	24,220	23,047	23,939	26,393	25,592	27,129
Oklahoma	9,470	9,288	7,761	8,806	8,865	9,792
Oregon	5,612	5,343	5,383	5,890	5,816	6,424
Pennsylvania	14,592	13,748	14,444	15,570	16,396	18,527
Rhode Island	211	185	224	222	213	218
South Carolina	7,740	7,696	8,224	8,296	8,133	8,645
South Dakota	330	418	341	264	341	486
Tennessee	8,951	8,617	NA	9,162	9,833	9,392
Texas	146,959	156,179	163,180	156,234	174,407	144,236
Utah	2,041	1,971	1,864	2,175	2,005	2,333
Vermont	194	184	192	224	240	311
Virginia	7,421	7,481	6,961	6,355	5,659	4,718
Washington	4,980	4,786	5,183	5,415	5,982	6,276
West Virginia	3,640	3,358	3,549	3,813	3,768	4,086
Wisconsin	8,609	8,250	8,377	10,780	11,920	14,857
Wyoming	3,341	3,131	3,187	3,734	NA	2,387
Total	590,890	586,736	570,216	587,899	620,256	630,274

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			
	February	January	Total	December	November	October
Alabama	13,972	14,100	155,054	12,672	11,767	13,613
Alaska	5,304	5,735	67,174	5,205	4,843	5,263
Arizona	1,426	1,680	21,228	1,704	1,412	1,344
Arkansas	11,293	11,037	122,311	11,527	11,168	11,777
California	49,783	61,093	666,462	62,087	57,442	61,177
Colorado	NA	NA	57,436	4,457	4,941	3,369
Connecticut	NA	3,291	26,019	1,802	2,147	2,122
Delaware	1,916	2,266	20,059	1,639	1,804	1,971
District of Columbia	0	0	0	0	0	0
Florida	8,076	8,304	94,711	8,016	7,811	8,140
Georgia	11,756	12,395	137,899	11,212	11,239	12,533
Hawaii	40	42	532	42	37	41
Idaho ^a	2,553	2,765	30,435	2,669	2,536	2,413
Illinois	26,026	25,832	277,292	23,695	23,899	24,125
Indiana	22,843	24,088	250,766	22,971	20,330	21,014
Iowa	7,902	8,793	92,569	8,462	8,265	7,844
Kansas	7,505	8,097	92,771	7,212	7,131	6,679
Kentucky	8,854	9,037	94,896	8,851	8,090	7,364
Louisiana	59,384	64,997	747,015	72,462	69,355	68,676
Maine	0	3	10,929	701	1,160	1,135
Maryland	2,396	2,412	27,412	2,065	2,701	2,117
Massachusetts	7,265	7,025	81,184	6,625	4,811	6,493
Michigan	23,834	23,082	223,798	20,000	18,664	16,597
Minnesota	7,259	7,825	92,451	7,858	9,056	7,945
Mississippi	8,300	8,804	99,341	8,580	8,146	7,304
Missouri	5,864	7,036	67,846	7,342	5,329	4,954
Montana	2,074	2,071	20,923	1,972	2,089	1,558
Nebraska	3,177	3,308	40,145	3,135	3,947	2,746
Nevada	813	1,096	11,475	1,398	865	962
New Hampshire	623	721	8,685	990	921	737
New Jersey	7,948	8,091	86,097	7,371	7,205	7,283
New Mexico	1,694	1,861	36,874	3,547	3,089	2,844
New York	17,132	18,396	84,411	8,527	5,076	6,531
North Carolina	8,855	8,954	88,844	8,498	8,170	9,111
North Dakota	1,117	1,417	17,759	1,119	1,068	1,460
Ohio	27,434	30,125	293,369	28,339	24,128	23,334
Oklahoma	9,681	11,319	161,341	15,210	14,486	15,516
Oregon	6,466	7,783	69,760	5,939	5,805	6,024
Pennsylvania	17,703	19,123	197,676	17,894	16,402	16,385
Rhode Island	202	181	6,127	604	468	606
South Carolina	8,504	8,691	79,674	7,785	7,201	8,343
South Dakota	318	372	4,211	367	343	329
Tennessee	11,803	12,295	118,566	10,391	10,696	11,542
Texas	140,601	155,534	2,093,120	164,669	166,820	167,479
Utah	2,432	2,633	33,585	2,395	2,565	3,024
Vermont	317	335	2,597	313	263	236
Virginia	6,164	6,551	65,231	7,375	8,820	3,420
Washington	6,244	7,393	75,651	7,943	7,903	7,951
West Virginia	3,489	4,382	39,598	3,284	3,459	3,265
Wisconsin	13,919	15,400	132,638	12,302	11,033	10,666
Wyoming	3,344	3,757	37,136	3,468	3,204	3,272
Total	609,670	662,766	7,363,081	644,691	620,113	620,637

^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

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

State	YTD 2003	YTD 2002	YTD 2001	2003		
				April	March	February
Alabama	25,253	31,896	12,523	5,840	4,377	5,320
Alaska	11,680	10,515	11,416	2,712	2,888	2,715
Arizona	32,231	30,884	39,836	9,405	11,626	8,703
Arkansas	10,515	7,968	5,735	2,838	2,337	2,973
California	191,302	194,139	332,470	35,140	52,518	51,396
Colorado	20,969	22,577	28,756	4,519	5,772	5,472
Connecticut	12,375	17,032	5,655	3,505	4,264	2,098
Delaware	2,728	4,230	1,466	943	977	353
District of Columbia	0	0	0	0	0	0
Florida	140,779	138,492	81,048	39,940	42,010	28,404
Georgia	9,090	6,816	4,157	4,279	884	801
Hawaii	0	0	0	0	0	0
Idaho	498	993	486	103	124	121
Illinois	10,324	17,433	7,769	1,870	2,577	2,829
Indiana	6,083	9,375	4,358	935	1,960	1,729
Iowa	1,184	1,774	1,105	280	296	330
Kansas	3,373	4,080	3,386	780	1,037	730
Kentucky	1,142	1,876	596	189	153	174
Louisiana	59,934	81,291	62,328	15,679	13,382	13,630
Maine	19,519	25,727	20,187	4,923	4,351	3,613
Maryland	2,211	3,140	3,048	642	334	572
Massachusetts	40,747	35,852	20,953	10,988	10,899	9,733
Michigan	35,722	44,579	32,587	6,955	7,549	9,741
Minnesota	4,067	3,379	2,613	1,159	735	1,045
Mississippi	35,953	66,993	19,662	8,307	6,982	8,169
Missouri	5,466	8,038	4,748	2,399	817	661
Montana	50	9	10	2	21	20
Nebraska	673	725	721	261	125	161
Nevada	27,950	31,130	38,041	6,409	7,231	7,017
New Hampshire	0	42	1	0	0	0
New Jersey	32,107	37,264	30,497	8,284	7,153	8,118
New Mexico	10,087	10,288	15,900	2,349	2,838	2,704
New York	74,328	98,201	67,956	17,698	22,310	15,316
North Carolina	8,389	9,888	347	2,192	1,332	1,758
North Dakota	0	0	0	0	0	0
Ohio	3,015	3,151	1,725	1,089	1,026	348
Oklahoma	44,048	52,033	36,356	11,659	10,128	11,557
Oregon	19,921	21,683	24,752	2,085	4,353	5,636
Pennsylvania	8,403	9,686	3,126	2,470	2,712	1,624
Rhode Island	12,072	17,689	15,091	1,764	2,857	3,083
South Carolina	5,304	9,131	1,292	1,437	413	816
South Dakota	162	286	1,641	66	18	51
Tennessee	2,003	438	70	639	265	116
Texas	411,060	414,321	404,821	101,148	102,066	99,744
Utah	4,765	3,134	5,980	1,773	1,372	754
Vermont	5	11	42	2	1	1
Virginia	10,031	7,176	4,063	3,237	2,461	959
Washington	17,112	14,440	34,052	1,846	5,177	5,146
West Virginia	318	543	151	140	76	36
Wisconsin	7,488	5,823	5,333	1,793	1,903	2,106
Wyoming	1,268	1,001	1,111	238	254	418
Total	1,383,706	1,517,172	1,400,583	332,912	354,941	328,801

See footnotes at end of table.

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

State	2003	2002				
	January	Total	December	November	October	September
Alabama	9,717	112,743	5,487	5,378	7,052	12,519
Alaska	3,365	32,947	3,093	2,568	2,885	2,705
Arizona	2,497	125,086	8,320	8,163	14,743	13,357
Arkansas	2,366	39,750	1,275	665	3,637	5,298
California	52,248	697,915	54,851	50,415	55,605	72,884
Colorado	5,206	76,403	5,475	5,311	7,038	6,309
Connecticut	2,509	65,079	4,228	4,166	4,689	7,284
Delaware	456	17,463	332	271	1,253	1,935
District of Columbia	0	0	0	0	0	0
Florida	30,425	519,545	30,686	35,129	52,195	53,296
Georgia	3,127	51,468	1,358	390	4,150	7,037
Hawaii	0	0	0	0	0	0
Idaho	150	2,844	149	123	208	195
Illinois	3,048	86,641	1,354	985	6,677	6,935
Indiana	1,459	32,618	1,875	1,938	1,829	2,995
Iowa	277	7,014	416	460	373	734
Kansas	827	23,126	536	671	851	2,329
Kentucky	627	12,006	251	260	296	1,184
Louisiana	17,244	285,001	13,737	14,620	21,860	28,304
Maine	6,632	78,006	6,370	6,412	6,223	6,824
Maryland	662	22,545	980	814	1,174	3,005
Massachusetts	9,128	126,794	12,194	10,418	10,935	13,438
Michigan	11,477	146,479	9,390	7,393	9,824	13,066
Minnesota	1,129	14,069	527	498	816	1,399
Mississippi	12,494	199,055	9,547	8,044	10,899	17,581
Missouri	1,589	29,449	371	529	510	3,185
Montana	7	132	5	2	2	12
Nebraska	125	5,299	133	159	408	579
Nevada	7,294	109,577	8,707	9,317	9,859	10,763
New Hampshire	0	1,096	103	0	194	219
New Jersey	8,552	151,392	9,475	9,192	11,492	14,861
New Mexico	2,197	39,029	2,393	2,397	3,052	3,287
New York	19,004	365,925	21,149	21,843	30,475	37,561
North Carolina	3,107	46,304	1,613	748	2,450	4,741
North Dakota	0	1	0	0	0	0
Ohio	552	22,302	489	471	1,123	3,235
Oklahoma	10,705	179,982	7,542	6,714	11,695	19,817
Oregon	7,847	55,449	5,285	5,065	5,595	5,621
Pennsylvania	1,597	49,933	2,294	2,544	3,879	5,629
Rhode Island	4,367	53,166	5,121	4,975	3,985	4,320
South Carolina	2,639	36,774	278	382	1,100	2,794
South Dakota	27	1,273	25	12	27	148
Tennessee	983	2,714	340	99	14	93
Texas	108,101	1,518,238	93,261	100,883	116,315	145,049
Utah	865	12,861	551	593	1,653	1,738
Vermont	1	37	3	4	4	3
Virginia	3,374	34,104	2,088	851	1,742	3,921
Washington	4,943	37,809	4,859	3,782	3,976	3,887
West Virginia	67	1,691	45	73	81	139
Wisconsin	1,686	20,527	1,339	1,033	960	2,357
Wyoming	358	3,672	320	217	498	576
Total	367,051	5,553,331	340,220	336,977	436,300	555,149

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					
	August	July	June	May	April	March
Alabama	15,885	15,223	11,856	7,444	7,357	7,172
Alaska	2,813	3,280	2,656	2,433	2,582	2,647
Arizona	13,599	15,063	11,792	9,164	7,599	9,057
Arkansas	6,382	6,941	5,323	2,261	2,606	1,929
California	76,871	88,017	62,134	42,999	41,654	58,696
Colorado	7,563	8,948	7,234	5,949	6,330	6,729
Connecticut	8,304	7,984	5,562	5,829	3,923	4,705
Delaware	2,216	4,884	1,321	1,021	1,071	1,230
District of Columbia	0	0	0	0	0	0
Florida	57,978	55,523	50,993	45,252	41,671	35,080
Georgia	10,312	10,722	7,282	3,402	3,425	998
Hawaii	0	0	0	0	0	0
Idaho	276	478	261	161	133	512
Illinois	15,490	23,821	9,972	3,973	7,098	4,977
Indiana	3,835	6,233	3,297	1,241	2,807	2,085
Iowa	804	1,228	738	486	499	576
Kansas	4,354	5,807	3,208	1,290	946	1,426
Kentucky	1,771	3,828	1,994	546	587	672
Louisiana	33,906	35,007	30,062	26,215	25,387	22,004
Maine	7,254	6,938	5,865	6,392	5,288	6,856
Maryland	6,428	4,131	1,980	892	1,303	665
Massachusetts	12,072	11,578	8,981	11,325	8,016	10,411
Michigan	18,597	20,972	12,953	9,704	10,837	12,064
Minnesota	1,894	3,470	1,438	651	635	1,109
Mississippi	23,140	27,029	20,812	15,010	16,268	16,907
Missouri	5,177	6,733	3,418	1,489	2,494	2,064
Montana	22	31	36	13	2	2
Nebraska	946	1,395	660	294	273	87
Nevada	11,631	10,965	9,532	7,672	5,974	8,650
New Hampshire	311	79	108	39	11	1
New Jersey	22,333	23,319	15,156	8,301	9,758	9,297
New Mexico	4,566	5,764	3,937	3,346	2,807	2,807
New York	49,622	48,357	34,418	24,300	24,157	24,827
North Carolina	9,248	9,305	5,510	2,801	3,233	2,769
North Dakota	0	0	0	0	0	0
Ohio	4,315	6,384	2,436	701	1,365	695
Oklahoma	27,488	23,739	18,044	12,911	15,161	12,867
Oregon	4,908	2,114	3,100	2,078	2,361	6,231
Pennsylvania	9,187	8,349	6,030	2,335	1,932	3,474
Rhode Island	4,444	4,617	4,095	3,920	3,575	3,904
South Carolina	6,601	7,031	4,922	4,534	2,914	1,252
South Dakota	55	480	182	58	62	61
Tennessee	657	739	277	58	233	172
Texas	183,624	185,044	154,070	125,671	116,081	104,248
Utah	1,528	1,251	1,028	1,386	882	752
Vermont	3	4	3	3	2	2
Virginia	6,407	6,447	3,448	2,023	2,815	1,007
Washington	3,166	1,729	855	1,115	2,000	4,770
West Virginia	263	219	229	99	252	164
Wisconsin	2,123	3,795	1,882	1,214	1,982	1,506
Wyoming	295	317	230	217	231	340
Total	690,663	725,315	541,320	410,216	398,579	400,455

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			
	February	January	Total	December	November	October
Alabama	8,131	9,236	68,868	6,324	7,007	7,473
Alaska	2,414	2,872	32,588	3,235	2,986	2,865
Arizona	7,852	6,375	129,086	8,910	6,853	9,808
Arkansas	1,853	1,580	26,096	1,253	2,200	2,845
California	43,011	50,777	973,509	61,775	59,363	75,461
Colorado	4,370	5,148	85,999	6,628	5,557	8,075
Connecticut	3,979	4,425	32,161	3,798	2,279	4,880
Delaware	1,127	802	15,129	443	1,094	2,483
District of Columbia	0	0	0	0	0	0
Florida	27,229	34,513	374,311	34,168	29,384	40,435
Georgia	1,098	1,295	34,700	356	340	1,790
Hawaii	0	0	0	0	0	0
Idaho	171	177	10,479	1,667	2,331	1,871
Illinois	3,053	2,305	46,806	2,328	2,025	4,679
Indiana	2,727	1,755	17,777	869	1,088	600
Iowa	304	395	5,754	279	247	259
Kansas	632	1,076	23,267	863	1,096	1,137
Kentucky	412	204	4,433	302	178	267
Louisiana	17,388	16,511	243,017	11,549	10,270	19,391
Maine	6,470	7,113	80,044	7,964	8,167	7,534
Maryland	542	631	17,521	698	525	1,555
Massachusetts	7,670	9,756	96,294	9,281	8,428	10,562
Michigan	10,334	11,344	133,054	11,972	11,915	14,520
Minnesota	860	774	10,688	547	471	876
Mississippi	16,880	16,938	149,434	14,943	12,944	19,065
Missouri	1,595	1,885	32,805	1,864	1,841	2,000
Montana	2	3	161	2	2	3
Nebraska	109	256	4,290	256	250	252
Nevada	7,816	8,690	108,510	7,837	7,698	9,264
New Hampshire	12	18	527	29	0	292
New Jersey	8,262	9,946	128,378	8,681	9,013	12,925
New Mexico	2,315	2,359	48,981	1,876	2,839	3,303
New York	23,694	25,523	357,439	29,115	26,679	35,313
North Carolina	2,024	1,861	12,265	201	189	903
North Dakota	0	0	3	0	0	0
Ohio	794	297	10,546	191	404	354
Oklahoma	14,104	9,901	173,893	10,238	10,276	14,051
Oregon	5,754	7,338	82,542	7,527	6,832	8,062
Pennsylvania	2,173	2,105	22,682	2,678	2,586	2,736
Rhode Island	4,458	5,753	58,417	5,797	4,362	5,793
South Carolina	2,013	2,953	10,944	534	477	1,337
South Dakota	145	18	4,496	70	29	61
Tennessee	34	0	2,479	0	0	0
Texas	90,305	103,687	1,506,112	91,523	91,505	118,063
Utah	452	1,047	15,141	785	636	863
Vermont	3	4	116	3	3	3
Virginia	1,177	2,178	33,124	1,773	2,547	4,013
Washington	3,814	3,857	86,184	4,358	4,277	5,763
West Virginia	50	76	2,620	41	165	148
Wisconsin	1,208	1,128	22,358	1,291	1,028	1,882
Wyoming	214	217	2,727	224	193	196
Total	341,035	377,103	5,342,734	367,046	350,573	466,123

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		
				April	March	February
Alabama	121,628	127,617	116,283	23,094	25,991	33,335
Alaska	46,631	45,940	47,653	12,038	12,068	10,442
Arizona	71,235	NA	83,788	16,548	21,362	18,325
Arkansas	NA	90,812	85,262	NA	NA	NA
California	NA	761,862	891,329	155,175	184,793	NA
Colorado	NA	NA	163,234	25,432	38,042	46,789
Connecticut	69,185	NA	61,330	13,700	17,192	18,502
Delaware	20,672	20,652	18,583	3,532	4,908	5,644
District of Columbia	17,379	14,690	17,313	2,552	3,730	5,133
Florida	NA	200,241	139,595	51,363	54,188	NA
Georgia	152,581	142,244	144,948	27,076	28,686	40,802
Hawaii	952	921	980	229	235	237
Idaho	25,973	31,148	30,405	5,279	6,480	6,728
Illinois	503,664	468,300	464,458	74,494	114,382	147,045
Indiana	240,841	226,557	233,767	36,300	52,601	70,441
Iowa	NA	97,768	106,774	16,663	25,194	NA
Kansas	NA	96,961	106,228	17,122	27,435	NA
Kentucky	98,002	86,339	91,465	13,892	20,468	28,919
Louisiana	NA	363,876	347,165	80,441	NA	82,831
Maine	NA	NA	26,181	5,671	5,348	NA
Maryland	97,085	80,571	89,234	15,619	21,180	28,477
Massachusetts	181,290	158,765	156,555	37,472	46,076	50,201
Michigan	465,885	417,566	432,681	78,701	112,710	134,037
Minnesota	170,476	NA	162,239	26,419	39,159	50,978
Mississippi	NA	128,034	84,489	19,405	NA	R26,242
Missouri	140,306	135,651	149,636	21,268	33,848	42,682
Montana	24,950	NA	27,113	4,678	6,695	6,966
Nebraska	53,811	52,720	58,341	9,598	13,291	15,416
Nevada	58,454	62,893	69,492	12,372	14,667	14,820
New Hampshire	NA	11,189	11,711	2,472	3,335	NA
New Jersey	292,232	242,914	269,445	51,816	69,251	84,064
New Mexico	NA	50,924	65,329	NA	NA	NA
New York	NA	493,620	460,306	97,910	R137,900	NA
North Carolina	106,592	97,534	86,012	18,041	22,499	31,608
North Dakota	NA	NA	17,414	NA	4,145	4,580
Ohio	418,425	374,446	414,467	65,208	R97,263	120,848
Oklahoma	143,889	156,233	159,986	28,858	35,335	38,845
Oregon	74,861	84,770	85,973	13,724	18,125	19,508
Pennsylvania	329,542	280,075	305,931	53,999	79,155	94,456
Rhode Island	32,824	NA	35,752	5,488	8,285	9,210
South Carolina	NA	69,648	54,026	12,063	12,731	17,478
South Dakota	NA	13,933	15,982	2,898	NA	NA
Tennessee	124,064	114,893	120,459	18,283	27,856	36,960
Texas	NA	1,224,270	1,368,808	257,473	286,067	NA
Utah	55,591	60,878	61,654	10,773	12,948	15,982
Vermont	4,294	4,021	4,086	901	1,057	1,188
Virginia	116,475	97,667	100,136	18,214	25,820	32,389
Washington	98,773	107,379	119,891	19,238	26,029	25,609
West Virginia	NA	46,339	47,483	NA	NA	R17,680
Wisconsin	193,147	173,005	180,592	31,946	44,059	55,316
Wyoming	NA	NA	25,107	6,458	NA	7,100
Total	8,310,933	8,117,549	8,422,467	1,555,098	R1,991,570	R2,299,605

See footnotes at end of table.

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

(Million Cubic Feet) — Continued

State	2003	2002				
	January	Total	December	November	October	September
Alabama	39,207	NA	30,557	22,700	22,814	27,565
Alaska	12,083	NA	11,842	10,432	10,923	9,896
Arizona	15,000	NA	17,855	NA	19,377	17,504
Arkansas	NA	230,050	21,524	16,969	16,863	16,801
California	183,615	2,154,582	204,019	148,471	173,962	174,402
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	19,791	NA	19,356	15,404	11,469	12,152
Delaware	6,587	NA	NA	NA	NA	NA
District of Columbia	5,963	NA	NA	3,847	2,166	1,190
Florida	NA	682,546	45,449	47,955	64,781	65,361
Georgia	56,016	377,404	47,996	33,237	24,482	24,436
Hawaii	251	2,734	236	227	215	224
Idaho	7,486	NA	7,000	5,945	4,159	3,313
Illinois	167,744	NA	131,534	100,701	74,222	43,246
Indiana	81,500	NA	67,310	49,031	36,740	27,853
Iowa	31,082	215,148	27,101	22,082	14,427	10,475
Kansas	33,725	NA	26,521	22,126	13,411	16,192
Kentucky	34,722	208,173	28,719	20,874	14,464	10,919
Louisiana	92,617	1,072,386	90,992	86,004	83,780	86,539
Maine	7,979	NA	NA	NA	NA	7,431
Maryland	31,809	195,178	29,535	20,443	13,019	10,519
Massachusetts	47,541	393,528	46,570	34,256	27,414	25,912
Michigan	140,437	921,059	113,354	81,526	52,972	40,416
Minnesota	53,920	NA	44,554	36,880	27,027	15,053
Mississippi	32,364	NA	26,363	NA	21,949	27,332
Missouri	42,508	277,286	33,208	23,235	14,378	11,933
Montana	6,612	NA	NA	5,846	4,232	2,657
Nebraska	15,506	116,346	13,059	9,586	6,146	6,818
Nevada	16,595	175,652	16,547	14,856	13,809	13,996
New Hampshire	NA	NA	3,073	2,298	NA	NA
New Jersey	87,100	NA	NA	51,661	36,862	34,370
New Mexico	NA	117,096	11,854	8,593	6,955	6,530
New York	143,913	1,252,651	127,625	108,822	83,041	83,935
North Carolina	34,444	244,399	27,643	19,524	15,550	15,156
North Dakota	5,456	NA	4,302	3,512	3,093	1,553
Ohio	135,106	827,680	110,089	77,530	53,404	36,105
Oklahoma	40,852	405,728	33,556	26,182	24,962	31,887
Oregon	23,505	194,884	19,937	16,690	14,126	13,141
Pennsylvania	101,931	633,580	84,690	59,116	40,901	30,451
Rhode Island	9,842	NA	9,042	7,539	5,503	5,410
South Carolina	NA	183,532	16,496	12,476	11,018	11,703
South Dakota	NA	28,974	3,598	3,230	2,114	1,017
Tennessee	40,965	NA	31,321	20,128	13,407	11,168
Texas	329,281	NA	277,711	NA	264,433	296,066
Utah	15,888	132,538	15,752	13,333	10,897	7,123
Vermont	1,148	8,281	999	797	478	341
Virginia	40,052	NA	32,253	NA	NA	14,745
Washington	27,897	232,413	25,662	21,060	15,396	12,849
West Virginia	17,880	103,165	12,763	9,833	6,788	4,692
Wisconsin	61,826	381,114	49,635	39,144	28,492	16,887
Wyoming	NA	NA	7,532	6,844	5,936	4,462
Total	2,464,659	20,845,585	2,157,755	1,716,633	1,480,806	1,379,870

See footnotes at end of table.

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

State	2002					
	August	July	June	May	April	March
Alabama	NA	29,978	27,482	23,870	26,183	31,929
Alaska	10,199	11,446	NA	NA	10,482	11,259
Arizona	17,696	19,311	16,485	14,438	14,248	NA
Arkansas	17,600	17,198	16,947	15,335	19,058	22,293
California	184,580	193,302	160,625	153,357	159,717	200,926
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	13,276	13,054	10,956	12,520	NA	NA
Delaware	4,322	6,834	3,016	3,114	4,231	5,296
District of Columbia	1,152	1,137	1,143	1,528	2,045	3,678
Florida	70,196	67,594	62,626	58,344	56,644	50,985
Georgia	28,680	28,366	24,766	23,198	24,061	33,778
Hawaii	222	239	224	226	234	225
Idaho	NA	NA	3,584	4,567	5,692	7,960
Illinois	50,730	NA	49,236	61,100	93,385	124,409
Indiana	NA	30,217	27,276	32,202	44,407	58,059
Iowa	9,963	9,817	10,114	13,401	18,695	25,611
Kansas	NA	17,992	14,103	13,865	17,372	25,482
Kentucky	10,505	12,871	11,299	12,182	14,375	22,940
Louisiana	94,783	93,379	88,401	84,631	87,619	94,445
Maine	7,757	NA	NA	NA	NA	7,776
Maryland	12,848	10,441	8,883	8,919	12,619	20,768
Massachusetts	25,475	22,115	23,872	29,148	31,716	41,371
Michigan	47,177	52,007	52,426	63,615	86,554	103,592
Minnesota	NA	16,535	15,069	21,577	28,735	NA
Mississippi	33,147	37,557	31,012	25,350	28,352	32,928
Missouri	13,689	15,546	13,273	16,373	24,540	34,810
Montana	2,253	2,221	2,913	4,023	NA	7,167
Nebraska	7,520	8,910	4,960	6,627	10,315	12,693
Nevada	14,624	14,039	13,071	11,819	11,155	15,996
New Hampshire	NA	941	NA	1,863	2,201	2,946
New Jersey	NA	NA	34,205	35,689	46,321	58,180
New Mexico	7,763	9,050	7,646	7,782	9,599	12,946
New York	97,894	90,267	83,727	83,721	104,279	124,184
North Carolina	19,403	18,922	16,135	14,532	18,048	24,435
North Dakota	NA	1,479	NA	2,428	3,079	NA
Ohio	38,907	41,712	42,132	53,355	71,359	95,800
Oklahoma	40,177	36,156	29,644	26,931	34,615	38,870
Oregon	12,368	9,540	11,526	12,786	14,670	21,361
Pennsylvania	33,560	32,401	33,662	38,723	54,038	71,655
Rhode Island	5,600	5,687	5,628	6,234	6,797	NA
South Carolina	15,871	16,345	15,029	14,946	14,556	16,619
South Dakota	890	1,399	1,159	1,634	2,602	3,902
Tennessee	12,627	12,436	NA	13,905	19,739	27,347
Texas	348,012	357,720	334,502	300,200	320,744	301,308
Utah	5,979	5,589	5,523	7,465	8,370	15,015
Vermont	329	324	422	569	804	954
Virginia	18,113	18,050	15,150	14,749	17,069	22,773
Washington	11,725	10,549	11,958	15,835	21,072	27,499
West Virginia	5,312	5,033	5,373	7,032	8,734	11,760
Wisconsin	16,364	16,913	16,314	24,361	31,852	48,191
Wyoming	4,039	NA	4,289	5,395	NA	NA
Total	1,540,247	1,577,473	1,426,499	1,448,754	1,705,981	2,069,538

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			
	February	January	Total	December	November	October
Alabama	33,273	36,232	299,529	25,740	23,645	24,185
Alaska	11,497	12,702	132,428	13,523	11,926	11,290
Arizona	19,930	19,942	218,484	19,526	12,349	14,282
Arkansas	24,963	24,498	217,640	22,233	19,675	18,239
California	181,502	219,717	2,398,461	213,731	174,852	184,135
Colorado	NA	NA	332,075	36,430	23,228	17,910
Connecticut	NA	19,376	143,183	15,375	12,339	11,368
Delaware	5,320	5,804	50,044	3,419	3,908	5,078
District of Columbia	4,192	4,776	29,493	2,737	2,088	1,231
Florida	41,980	50,631	533,855	47,598	42,205	52,955
Georgia	39,934	44,471	343,212	34,451	23,984	25,681
Hawaii	226	236	2,818	225	217	220
Idaho	8,660	8,836	73,655	8,984	7,528	5,611
Illinois	119,301	131,204	940,403	115,418	74,519	67,168
Indiana	58,667	65,424	494,360	51,997	39,146	34,650
Iowa	24,856	28,605	215,309	23,400	16,864	14,475
Kansas	24,967	29,140	224,347	20,634	14,263	11,363
Kentucky	24,179	24,845	191,531	23,216	16,271	12,591
Louisiana	88,133	93,678	1,067,867	92,641	85,017	92,077
Maine	7,309	7,995	94,569	9,127	9,644	8,864
Maryland	22,880	24,303	181,626	17,772	13,988	13,035
Massachusetts	41,686	43,993	345,791	31,456	24,646	24,627
Michigan	108,258	119,161	874,325	92,054	71,352	59,283
Minnesota	36,109	42,111	321,875	38,521	25,780	22,592
Mississippi	31,923	34,832	298,263	28,355	24,652	28,525
Missouri	36,000	40,301	281,763	29,876	18,230	13,682
Montana	6,773	7,648	54,476	6,696	5,081	3,446
Nebraska	13,835	15,877	118,890	11,012	10,730	5,854
Nevada	17,060	18,682	175,505	17,842	12,525	12,854
New Hampshire	2,984	3,058	23,373	2,520	1,904	1,589
New Jersey	65,385	73,028	560,887	54,229	42,514	36,818
New Mexico	14,126	14,254	146,581	13,069	9,364	8,499
New York	128,994	136,164	1,165,279	117,809	85,604	85,322
North Carolina	26,037	29,015	196,507	19,179	15,898	14,792
North Dakota	3,946	5,001	38,787	4,459	3,065	3,013
Ohio	99,805	107,482	784,974	86,903	59,755	48,346
Oklahoma	41,877	40,872	441,965	37,151	30,479	33,244
Oregon	22,285	26,454	218,457	22,088	18,230	16,813
Pennsylvania	72,738	81,644	595,675	63,086	46,617	38,461
Rhode Island	8,949	10,617	95,288	9,231	6,918	7,652
South Carolina	17,888	20,585	138,846	12,725	11,334	11,870
South Dakota	3,497	3,932	30,753	3,617	2,126	1,661
Tennessee	31,383	36,423	242,044	23,233	19,007	16,132
Texas	276,497	325,721	3,985,395	306,415	283,703	303,798
Utah	17,435	20,057	134,650	18,505	11,646	9,189
Vermont	1,143	1,120	7,905	827	658	438
Virginia	26,593	31,232	228,413	23,733	21,748	14,257
Washington	28,051	30,757	303,411	37,503	30,230	23,585
West Virginia	12,308	13,537	103,414	11,602	9,287	8,401
Wisconsin	43,495	49,468	356,712	41,411	26,978	25,355
Wyoming	5,991	8,500	60,375	6,170	5,518	4,790
Total	2,047,917	2,294,113	20,533,988	1,970,692	1,564,429	1,512,641

^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
				April	March	February	January	Total
Alabama	5.51	4.63	7.39	6.04	7.55	5.19	4.66	4.74
Alaska	2.31	2.42	2.38	2.36	2.30	2.22	2.35	NA
Arizona	4.64	3.52	6.46	4.22	5.21	4.74	4.32	3.79
Arkansas	NA	5.12	7.05	NA	NA	NA	NA	5.17
California	NA	2.90	9.49	4.75	6.68	4.89	NA	NA
Colorado	4.29	2.80	5.63	4.21	4.90	4.49	3.62	2.67
Connecticut	6.56	NA	9.99	5.26	7.49	5.89	7.33	NA
Delaware	5.60	5.02	6.94	5.67	6.37	5.37	5.11	NA
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.07	3.53	7.68	5.86	7.20	5.83	5.49	3.90
Georgia	6.55	3.26	7.76	6.07	8.66	6.46	5.88	4.58
Hawaii	8.67	6.26	8.22	9.84	8.72	8.30	7.89	7.17
Idaho	3.62	3.60	5.93	4.12	4.28	3.20	3.29	NA
Illinois	NA	3.39	7.56	5.12	8.69	6.55	NA	3.68
Indiana	NA	3.44	5.89	5.96	8.14	6.21	NA	3.58
Iowa	6.32	3.55	7.62	6.96	8.15	5.83	5.30	4.15
Kansas	6.33	3.95	8.21	6.30	8.61	5.67	5.33	4.11
Kentucky	5.88	4.40	7.69	7.62	7.30	5.71	4.98	4.45
Louisiana	NA	3.48	7.71	4.49	NA	NA	5.51	NA
Maine	5.52	4.06	6.85	4.39	6.97	5.70	4.90	4.03
Maryland	6.93	4.36	7.91	6.83	8.93	6.90	5.92	NA
Massachusetts	7.80	4.10	7.60	7.05	10.15	7.17	7.16	NA
Michigan	5.21	4.38	4.08	4.95	6.58	4.86	4.38	4.10
Minnesota	6.20	3.56	7.28	5.56	8.48	5.89	5.09	NA
Mississippi	NA	3.95	7.67	5.81	NA	NA	5.24	NA
Missouri	5.77	3.98	7.45	6.18	8.39	5.22	4.75	4.56
Montana	5.12	2.87	5.62	4.68	6.17	5.18	4.61	2.98
Nebraska	5.71	3.76	7.75	6.16	7.38	5.19	4.78	4.09
Nevada	5.14	4.31	6.14	6.72	6.65	4.09	4.04	4.39
New Hampshire	NA	4.33	5.28	NA	8.42	NA	NA	NA
New Jersey	7.06	4.63	7.69	7.01	9.29	6.61	6.08	5.31
New Mexico	NA	2.52	5.31	NA	NA	NA	NA	2.91
New York	NA	3.82	6.72	5.46	7.25	NA	5.41	NA
North Carolina	6.80	3.97	8.35	7.17	9.58	6.24	5.67	4.52
North Dakota	5.52	3.39	7.07	5.00	7.00	5.21	4.89	NA
Ohio	NA	4.43	9.42	NA	8.46	7.05	6.01	4.72
Oklahoma	5.65	4.07	7.80	5.45	7.81	5.30	4.84	4.23
Oregon	4.54	5.07	4.88	4.97	4.25	4.37	4.64	NA
Pennsylvania	6.39	NA	7.41	7.85	7.72	6.13	5.44	NA
Rhode Island	5.96	4.25	6.84	6.44	8.98	5.98	4.35	4.79
South Carolina	6.73	4.66	7.30	6.66	9.45	6.28	5.72	4.91
South Dakota	6.20	4.10	8.07	7.07	8.50	5.38	5.03	4.21
Tennessee	6.11	3.99	7.59	5.63	7.68	6.14	5.45	4.13
Texas	NA	3.51	7.35	5.03	7.54	NA	4.90	NA
Utah	4.62	4.27	6.03	3.76	4.32	5.12	4.97	4.07
Vermont	5.25	5.02	5.18	5.17	4.73	5.52	5.43	4.85
Virginia	6.29	NA	7.23	6.92	6.69	6.56	5.65	NA
Washington	5.02	3.51	6.98	4.82	6.44	4.48	4.48	3.83
West Virginia	NA	3.93	4.63	NA	NA	NA	NA	4.30
Wisconsin	6.15	3.75	7.37	6.11	8.36	5.73	5.03	4.36
Wyoming	2.52	3.98	7.71	1.90	2.98	2.59	2.47	NA
Total	6.04	3.94	7.33	5.76	7.61	5.88	5.26	4.14

See footnotes at end of table.

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

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	December	November	October	September	August	July	June	May
Alabama	4.57	4.97	5.05	4.69	4.81	5.18	5.22	4.89
Alaska	2.44	NA	2.27	2.39	NA	2.38	2.31	2.34
Arizona	4.12	3.92	3.77	4.32	4.26	4.16	3.78	3.80
Arkansas	5.41	5.21	5.07	4.89	5.10	5.58	4.75	4.97
California	NA	4.04	3.35	2.86	2.82	3.10	2.98	3.18
Colorado	3.28	3.01	2.08	1.70	1.59	1.95	3.65	2.38
Connecticut	6.55	6.48	6.32	NA	6.54	7.17	6.97	6.74
Delaware	4.38	NA	8.54	5.32	4.32	5.38	NA	5.40
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.83	4.74	4.27	3.66	3.47	4.29	3.78	3.95
Georgia	5.36	5.67	5.53	5.27	4.85	5.19	5.27	6.39
Hawaii	7.90	8.20	7.78	7.76	7.53	7.66	7.62	6.66
Idaho	3.10	3.11	3.43	NA	NA	6.28	4.71	3.43
Illinois	3.10	4.51	4.49	4.68	3.30	3.76	3.96	3.53
Indiana	4.10	4.31	3.66	2.96	2.29	2.60	3.80	3.61
Iowa	5.11	4.79	4.41	4.17	5.08	5.01	4.86	4.21
Kansas	5.26	5.07	3.89	3.47	3.21	3.63	4.39	4.26
Kentucky	4.72	4.71	4.35	3.91	4.17	3.77	3.97	4.65
Louisiana	5.12	NA	4.46	4.37	3.59	3.82	4.10	4.07
Maine	4.56	4.61	3.87	3.15	3.73	3.49	3.76	3.42
Maryland	5.47	5.24	5.44	4.43	NA	5.69	5.46	5.34
Massachusetts	NA	4.61	5.15	6.26	7.38	7.41	7.35	5.56
Michigan	4.18	4.11	3.87	3.96	3.68	3.84	3.93	3.94
Minnesota	5.08	4.91	4.08	3.96	NA	3.98	4.13	3.83
Mississippi	4.49	NA	4.31	3.92	3.01	3.78	4.18	3.88
Missouri	4.78	4.92	4.89	5.79	5.60	6.43	6.44	5.46
Montana	4.82	3.70	2.86	2.53	2.00	1.75	2.16	2.76
Nebraska	4.88	4.59	4.03	3.98	4.08	4.02	4.17	4.36
Nevada	4.68	4.45	4.33	4.87	5.18	4.61	3.99	3.81
New Hampshire	NA	3.59	3.97	3.59	3.37	3.50	3.22	3.43
New Jersey	5.87	5.96	5.98	5.75	5.11	5.65	5.90	5.74
New Mexico	4.04	3.58	2.96	2.20	2.57	2.55	2.17	2.42
New York	5.21	4.63	4.13	NA	3.10	3.21	3.47	3.59
North Carolina	5.20	5.15	4.86	4.75	4.48	4.54	4.92	4.39
North Dakota	5.38	4.42	3.19	3.56	NA	2.42	3.27	3.63
Ohio	5.00	4.84	7.24	4.34	2.48	3.69	5.29	7.73
Oklahoma	4.56	4.79	4.29	4.01	3.34	3.51	3.48	3.93
Oregon	4.69	4.76	5.43	NA	NA	NA	NA	5.69
Pennsylvania	5.20	5.12	5.46	NA	4.56	5.88	5.73	5.62
Rhode Island	4.47	5.09	6.02	7.01	5.03	5.99	5.82	5.40
South Carolina	4.89	4.96	5.21	5.19	5.03	5.11	5.35	5.35
South Dakota	5.13	4.23	3.32	3.71	4.25	3.97	4.89	4.10
Tennessee	4.80	4.46	4.01	3.69	3.66	3.82	3.83	4.13
Texas	4.29	NA	4.35	3.54	3.63	3.44	3.69	4.19
Utah	4.56	3.81	3.53	3.93	2.55	3.48	4.00	3.54
Vermont	4.54	4.30	4.43	5.14	5.53	5.13	5.31	4.65
Virginia	5.52	4.73	5.41	5.98	5.00	5.87	6.28	5.62
Washington	4.24	4.45	3.51	3.81	3.80	4.34	4.73	4.07
West Virginia	3.89	4.64	4.45	5.84	6.64	6.61	6.66	4.67
Wisconsin	4.90	5.01	4.58	5.59	5.76	5.89	5.65	4.19
Wyoming	NA	NA	NA	3.99	3.16	NA	2.59	2.62
Total	4.69	4.61	4.29	4.07	3.62	3.92	4.14	4.07

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			
	April	March	February	January	Total	December	November	October
Alabama	4.37	4.49	4.80	4.71	6.63	4.99	4.99	5.11
Alaska	2.39	2.41	2.41	2.44	2.32	2.34	2.30	2.29
Arizona	3.70	3.74	3.35	3.41	5.02	3.25	4.35	3.48
Arkansas	5.08	5.16	5.20	5.02	6.11	5.67	2.60	4.93
California	3.85	2.76	2.42	2.68	6.64	2.80	3.15	2.38
Colorado	2.87	3.15	2.58	2.64	4.25	2.93	3.05	2.28
Connecticut	NA	5.71	NA	6.72	8.12	5.07	6.30	4.23
Delaware	5.80	6.70	4.07	4.47	5.16	4.39	4.05	3.19
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.01	3.51	3.27	3.35	5.28	3.41	3.58	2.69
Georgia	3.70	3.18	4.21	2.44	6.02	3.77	4.28	3.55
Hawaii	6.44	6.03	6.10	6.49	7.86	6.95	7.53	7.42
Idaho	3.36	3.56	3.53	3.77	4.85	3.74	3.85	3.48
Illinois	3.93	3.13	3.16	3.52	5.54	3.48	3.56	2.46
Indiana	3.89	3.37	3.33	3.37	4.50	3.60	3.90	1.96
Iowa	4.03	3.51	3.39	3.46	5.92	2.09	3.60	2.84
Kansas	4.77	3.98	3.80	3.65	6.06	3.92	4.35	3.02
Kentucky	5.47	4.06	4.69	4.08	6.32	4.85	4.82	4.26
Louisiana	3.80	3.23	3.22	3.91	5.55	3.84	4.78	3.15
Maine	3.37	3.99	4.79	4.02	6.82	11.96	7.35	1.48
Maryland	5.30	4.18	4.44	4.06	6.78	4.61	5.47	4.66
Massachusetts	4.23	4.29	4.24	3.80	6.64	4.32	5.81	3.82
Michigan	3.51	4.76	4.45	4.54	4.08	3.54	3.74	3.68
Minnesota	3.54	3.64	3.65	3.42	5.84	4.02	4.73	2.57
Mississippi	4.42	3.62	3.76	4.14	6.00	4.12	4.41	3.37
Missouri	4.94	4.03	3.97	3.65	6.33	3.61	4.67	3.65
Montana	3.05	2.72	2.64	3.09	3.93	2.41	3.12	1.96
Nebraska	4.31	3.63	3.58	3.77	6.23	3.66	4.13	2.84
Nevada	4.35	4.48	4.27	4.20	5.06	4.18	4.98	3.54
New Hampshire	4.37	3.88	3.14	7.84	4.30	4.35	3.26	0.89
New Jersey	4.48	4.97	4.84	4.31	6.41	4.27	5.47	4.18
New Mexico	2.90	2.44	2.23	2.71	3.99	2.41	2.77	2.36
New York	3.57	3.98	3.47	4.19	4.71	3.84	2.22	3.12
North Carolina	4.51	3.81	3.72	4.06	6.74	4.11	4.73	4.63
North Dakota	3.54	3.23	3.26	3.54	4.82	2.51	4.34	2.10
Ohio	6.27	5.17	4.28	3.63	8.25	4.89	5.42	5.58
Oklahoma	4.14	3.79	4.07	3.92	6.48	4.49	5.10	4.95
Oregon	5.46	5.17	5.10	4.75	5.04	5.39	5.41	4.60
Pennsylvania	NA	4.91	5.20	4.44	6.68	5.20	5.03	5.49
Rhode Island	5.08	4.18	4.07	4.08	6.40	4.14	5.28	6.09
South Carolina	5.23	4.39	4.30	4.96	6.16	4.95	5.03	4.18
South Dakota	4.98	3.69	4.04	4.10	6.21	2.05	3.94	3.25
Tennessee	3.50	3.78	3.99	4.35	6.11	4.13	4.79	3.79
Texas	4.13	3.29	3.25	3.61	5.13	3.28	3.83	2.76
Utah	3.60	4.18	4.54	4.34	5.61	5.01	4.69	4.76
Vermont	4.81	4.82	5.01	5.32	4.83	5.15	3.93	5.06
Virginia	4.47	3.33	3.99	NA	6.76	4.62	6.18	5.67
Washington	4.28	3.86	4.09	2.24	5.31	3.88	4.09	3.00
West Virginia	4.44	3.85	3.82	3.90	4.88	10.14	4.40	3.95
Wisconsin	4.32	3.47	3.74	3.71	5.90	3.50	4.33	2.85
Wyoming	4.07	3.95	3.98	3.97	6.39	4.44	4.91	4.63
Total	4.17	3.85	3.77	4.04	5.72	3.90	4.02	3.37

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 Total
				April	March	February	January	
Alabama	10.29	9.86	11.32	14.08	11.18	9.45	9.40	10.57
Alaska	4.28	4.32	4.16	4.31	4.33	4.33	4.20	NA
Arizona	10.15	11.79	9.12	11.12	10.24	10.18	9.65	12.36
Arkansas	NA	8.89	10.40	NA	NA	NA	NA	8.95
California	9.09	6.68	13.05	9.26	9.53	8.83	8.87	7.09
Colorado	5.17	5.22	8.33	7.39	5.59	4.45	4.57	5.40
Connecticut	12.66	NA	12.61	14.15	14.52	11.57	11.71	NA
Delaware	9.72	10.77	8.41	10.84	10.69	9.59	8.67	11.05
District of Columbia	12.64	10.87	13.10	13.60	13.73	13.40	11.24	11.19
Florida	14.99	12.36	15.32	18.24	17.64	14.03	13.14	13.91
Georgia	11.07	9.29	11.14	14.14	R13.06	11.09	9.52	9.92
Hawaii	25.10	23.28	22.45	26.24	25.60	24.88	23.82	23.10
Idaho	6.73	8.92	7.94	6.94	6.76	6.67	6.64	8.42
Illinois	8.17	5.14	10.88	9.64	10.19	7.37	7.08	6.32
Indiana	9.21	6.81	9.88	11.49	10.96	8.65	8.06	NA
Iowa	8.57	5.85	9.88	10.33	9.83	7.73	7.75	7.05
Kansas	7.64	7.57	9.38	9.81	7.86	7.33	6.88	8.06
Kentucky	7.99	7.12	9.92	10.53	8.90	7.52	7.33	7.56
Louisiana	NA	7.05	11.38	10.27	NA	NA	8.38	NA
Maine	11.54	11.31	11.55	13.56	12.00	11.77	9.87	NA
Maryland	10.59	9.05	12.01	12.06	10.97	9.50	9.19	9.71
Massachusetts	12.02	9.68	12.55	14.18	12.40	11.33	11.09	NA
Michigan	6.45	6.00	5.14	7.27	6.61	6.21	6.13	6.32
Minnesota	8.35	6.02	10.06	7.91	10.89	7.79	7.25	NA
Mississippi	NA	6.83	10.87	9.26	NA	NA	8.89	NA
Missouri	8.25	7.16	10.18	9.67	8.49	8.01	7.75	7.94
Montana	6.21	5.35	7.30	7.08	6.32	6.02	5.84	5.27
Nebraska	7.32	5.38	9.22	8.63	8.27	6.68	6.52	6.12
Nevada	8.33	9.33	8.10	9.15	8.25	8.31	7.99	9.69
New Hampshire	NA	9.48	12.37	10.44	9.81	9.63	NA	9.90
New Jersey	7.76	7.03	7.17	8.52	7.91	7.62	7.42	7.26
New Mexico	NA	6.02	7.55	NA	NA	NA	NA	6.60
New York	NA	9.09	11.47	11.97	R11.46	NA	9.41	9.76
North Carolina	10.02	8.39	12.42	12.10	11.03	9.35	9.34	9.36
North Dakota	6.92	4.79	9.12	7.96	8.07	6.39	6.11	NA
Ohio	8.51	7.09	10.06	9.84	R8.93	8.41	7.78	7.52
Oklahoma	7.41	7.49	9.46	9.18	7.67	7.55	6.37	NA
Oregon	9.33	10.58	8.99	9.46	9.34	9.33	9.23	10.55
Pennsylvania	10.01	8.55	11.11	11.29	10.07	9.45	9.45	9.43
Rhode Island	10.82	11.36	11.58	11.18	10.78	10.66	10.81	11.39
South Carolina	11.21	9.59	12.43	12.91	12.37	10.46	10.74	10.02
South Dakota	8.00	6.18	9.95	9.61	8.92	7.63	6.92	6.77
Tennessee	9.37	7.34	10.54	9.75	9.79	9.33	9.07	7.87
Texas	NA	5.84	9.66	10.55	9.74	NA	6.92	NA
Utah	6.75	6.20	8.39	6.15	6.85	6.61	7.16	6.38
Vermont	9.34	10.05	9.27	9.60	9.29	9.23	9.33	10.39
Virginia	NA	8.77	11.87	12.76	13.60	NA	9.27	9.71
Washington	NA	9.67	9.43	7.78	7.44	NA	7.46	9.35
West Virginia	NA	NA	7.48	NA	NA	NA	NA	NA
Wisconsin	9.23	6.90	9.97	9.39	11.45	8.64	8.23	7.37
Wyoming	6.03	5.38	8.39	6.57	5.81	5.94	6.02	NA
Total	8.83	7.28	10.10	10.02	R9.71	8.41	8.07	7.86

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							
	December	November	October	September	August	July	June	May
Alabama	9.44	11.47	14.52	14.37	14.52	14.40	12.98	13.39
Alaska	4.31	4.26	4.31	4.56	4.94	5.17	NA	4.50
Arizona	10.42	12.46	15.00	16.03	16.37	16.04	14.59	13.73
Arkansas	8.66	8.30	8.75	10.06	10.09	10.17	10.01	9.70
California	7.73	7.87	7.50	7.26	7.15	7.20	7.16	7.29
Colorado	4.48	4.64	5.08	7.76	9.31	9.06	9.07	6.81
Connecticut	11.10	10.98	11.89	14.52	12.46	15.04	12.56	12.17
Delaware	9.41	10.61	13.72	15.71	15.95	14.97	13.64	12.31
District of Columbia	10.71	11.58	11.77	15.60	11.36	11.55	11.59	11.87
Florida	13.05	15.94	16.89	17.09	16.96	16.53	15.73	15.15
Georgia	9.07	8.37	11.29	13.81	13.98	14.73	13.40	13.37
Hawaii	18.44	22.93	19.51	24.67	26.27	24.92	23.67	23.59
Idaho	6.76	7.11	7.58	7.94	8.63	9.56	9.74	9.34
Illinois	6.84	7.12	7.40	9.52	10.07	10.27	10.00	7.89
Indiana	7.82	7.78	7.58	10.95	11.35	NA	NA	8.89
Iowa	7.77	7.45	8.45	12.51	13.51	13.02	10.49	7.52
Kansas	7.00	7.24	10.12	12.12	12.61	12.64	11.69	10.43
Kentucky	7.05	7.12	9.05	10.44	11.28	11.32	9.65	10.15
Louisiana	8.59	10.55	10.91	NA	8.89	8.83	8.12	9.30
Maine	13.09	12.18	11.66	12.43	14.04	13.74	NA	10.51
Maryland	9.15	9.21	10.35	12.72	14.78	14.77	13.24	11.83
Massachusetts	NA	9.81	9.75	11.64	12.05	10.96	9.76	9.05
Michigan	6.04	6.25	7.02	8.85	9.20	8.65	7.18	6.52
Minnesota	7.05	7.19	6.60	7.85	NA	8.38	7.84	6.62
Mississippi	7.41	NA	9.87	8.22	7.65	7.94	8.46	8.77
Missouri	7.75	7.97	10.09	12.47	13.46	12.69	10.71	8.89
Montana	4.98	4.65	4.87	6.06	6.84	6.35	5.85	5.16
Nebraska	6.30	6.43	7.65	9.48	9.83	9.54	8.49	7.11
Nevada	8.64	9.80	10.96	11.36	11.85	11.45	10.78	10.55
New Hampshire	9.96	9.23	11.05	12.08	13.24	12.22	10.30	10.15
New Jersey	7.34	7.48	8.24	8.08	8.15	8.02	7.67	6.72
New Mexico	6.32	6.53	8.24	9.56	9.78	9.65	9.07	7.77
New York	9.20	9.78	11.57	13.12	13.47	12.42	11.89	10.01
North Carolina	9.40	9.53	11.53	14.85	16.04	15.20	13.50	11.06
North Dakota	5.41	5.13	4.44	6.43	NA	7.74	7.37	6.07
Ohio	7.59	7.82	8.52	10.41	10.60	8.97	8.07	7.17
Oklahoma	7.18	7.84	9.74	10.77	10.59	NA	9.68	9.02
Oregon	9.32	9.59	11.25	12.77	13.14	12.29	11.55	10.61
Pennsylvania	9.17	9.43	11.86	14.02	14.49	13.49	11.90	10.25
Rhode Island	8.58	11.68	13.41	15.00	15.71	14.57	12.72	11.74
South Carolina	10.26	10.92	11.34	11.87	11.70	11.27	10.75	10.40
South Dakota	7.47	6.39	6.55	9.32	10.26	10.81	9.45	7.29
Tennessee	8.00	8.08	9.67	10.47	10.92	10.72	9.77	9.39
Texas	6.99	NA	9.08	10.76	10.84	10.53	10.32	11.03
Utah	6.77	6.33	5.59	7.48	7.53	7.22	7.10	6.52
Vermont	9.45	9.82	11.77	14.04	14.29	13.59	11.84	10.79
Virginia	9.19	8.90	11.15	15.67	12.92	16.41	16.98	12.87
Washington	7.47	8.19	9.29	10.46	10.56	10.42	10.17	9.98
West Virginia	7.84	8.08	8.87	11.63	12.85	11.93	12.02	8.98
Wisconsin	8.02	8.21	6.88	8.54	8.95	8.99	8.39	6.90
Wyoming	4.20	5.02	5.18	7.43	10.14	NA	6.59	5.81
Total	7.80	7.98	8.56	10.19	10.40	10.15	9.57	8.54

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			
	April	March	February	January	Total	December	November	October
Alabama	11.07	9.40	10.06	9.58	12.06	11.85	11.92	13.21
Alaska	4.33	4.31	4.27	4.39	4.23	4.10	4.05	4.27
Arizona	12.26	12.27	11.41	11.67	10.51	11.55	13.33	14.08
Arkansas	9.22	8.74	8.86	8.89	10.03	8.32	8.74	8.52
California	6.84	5.99	6.67	7.11	10.43	6.08	5.88	6.05
Colorado	5.90	5.45	4.73	5.25	8.36	5.32	6.14	10.15
Connecticut	11.12	10.11	NA	10.88	12.20	10.56	10.92	10.98
Delaware	11.18	10.81	10.75	10.53	9.06	9.32	9.62	10.73
District of Columbia	12.76	10.88	10.23	10.78	12.65	11.11	10.97	12.09
Florida	13.81	12.28	11.75	12.16	15.73	13.64	14.57	15.81
Georgia	11.78	9.52	8.72	9.00	10.58	7.69	10.15	7.96
Hawaii	23.17	23.21	23.30	23.44	22.55	23.88	24.02	21.82
Idaho	9.16	8.96	8.79	8.88	8.48	8.96	9.15	9.60
Illinois	5.62	5.05	5.01	5.07	9.04	5.10	5.45	5.25
Indiana	7.67	6.37	6.58	6.90	9.57	6.45	7.68	8.35
Iowa	6.43	5.90	5.71	5.60	8.90	4.25	6.93	6.18
Kansas	8.69	7.39	7.15	7.54	9.38	7.30	8.48	9.96
Kentucky	7.47	6.25	7.51	7.35	9.54	7.25	7.60	9.58
Louisiana	7.96	6.87	6.94	6.89	10.47	7.96	8.28	8.98
Maine	11.69	11.55	11.42	10.75	12.31	9.80	14.53	12.73
Maryland	10.55	9.05	8.34	9.16	11.66	9.32	9.78	8.95
Massachusetts	9.62	9.72	9.46	9.88	12.80	11.28	11.92	12.92
Michigan	6.14	6.11	6.07	5.78	5.77	5.93	5.97	6.34
Minnesota	6.80	5.87	5.75	5.98	8.74	5.81	6.91	5.51
Mississippi	7.83	6.37	7.04	6.66	10.32	8.27	7.98	8.04
Missouri	7.40	6.91	7.25	7.18	10.47	7.59	10.37	12.34
Montana	5.23	4.98	5.35	5.77	7.26	6.33	6.59	6.99
Nebraska	5.81	5.19	5.26	5.40	8.71	6.18	6.54	7.02
Nevada	9.64	9.20	9.07	9.53	8.96	8.23	11.16	11.53
New Hampshire	9.88	9.57	9.46	9.17	12.75	11.84	14.17	13.00
New Jersey	6.71	6.95	6.91	7.35	7.70	8.14	8.45	9.21
New Mexico	5.23	4.45	8.13	5.51	7.32	5.15	5.97	7.43
New York	9.41	9.20	8.74	9.12	11.75	10.89	11.16	11.57
North Carolina	8.79	8.02	8.59	8.33	12.34	10.48	10.19	11.81
North Dakota	5.30	4.52	4.71	4.82	7.68	4.86	5.15	4.92
Ohio	6.99	6.77	7.22	7.29	9.67	7.12	7.30	8.97
Oklahoma	7.54	7.48	7.61	7.38	9.58	7.33	9.13	10.60
Oregon	10.73	10.61	10.55	10.49	9.70	10.57	10.83	11.19
Pennsylvania	8.92	8.55	8.68	8.23	11.51	9.50	10.41	11.89
Rhode Island	11.75	11.45	11.26	11.13	12.17	12.25	13.35	13.68
South Carolina	10.01	9.26	9.93	9.43	12.09	10.49	9.69	11.70
South Dakota	6.67	6.17	6.03	6.00	8.57	4.64	6.57	5.84
Tennessee	7.70	7.27	7.62	7.04	10.16	7.97	8.26	9.62
Texas	6.34	5.18	6.69	5.55	8.90	5.53	7.63	7.70
Utah	6.68	6.06	6.17	6.18	8.09	7.03	7.48	6.82
Vermont	10.27	10.05	9.97	9.97	10.07	10.44	11.07	12.52
Virginia	11.17	8.49	7.97	8.86	11.96	9.14	10.22	13.04
Washington	9.78	9.71	9.60	9.62	9.79	9.59	9.72	10.22
West Virginia	8.46	8.06	7.99	NA	8.01	8.55	8.07	8.50
Wisconsin	7.64	6.68	6.59	6.97	8.76	6.54	7.46	5.01
Wyoming	5.41	5.22	5.64	5.35	8.45	6.61	7.23	8.64
Total	7.65	7.06	7.27	7.29	9.64	7.30	7.98	8.24

^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 Total
				April	March	February	January	
Alabama	9.38	8.79	10.33	11.57	10.00	8.80	8.70	8.99
Alaska	3.55	3.37	3.06	3.30	3.79	3.77	3.39	3.08
Arizona	7.59	8.98	7.47	7.37	7.72	7.63	7.59	8.45
Arkansas	NA	6.97	8.61	NA	NA	NA	6.66	6.96
California	NA	6.01	13.13	8.72	8.73	8.18	NA	5.99
Colorado	4.78	4.72	8.03	6.72	5.10	4.10	4.16	4.58
Connecticut	11.01	NA	9.19	11.85	13.35	9.57	10.08	NA
Delaware	8.40	9.47	9.78	9.12	9.29	8.26	7.61	9.40
District of Columbia	NA	10.47	13.03	12.28	13.41	12.13	NA	10.44
Florida	10.83	7.62	12.24	11.70	12.54	10.15	9.56	7.98
Georgia	9.36	7.40	11.03	11.05	11.40	8.97	8.09	8.05
Hawaii	19.26	17.13	17.79	20.34	19.55	18.65	18.59	17.81
Idaho	6.12	8.31	7.09	6.42	6.09	6.05	6.03	7.73
Illinois	7.93	5.26	10.22	9.21	9.50	7.19	6.99	6.19
Indiana	8.43	6.25	9.04	10.18	9.79	7.82	7.73	6.74
Iowa	7.46	4.86	8.49	8.50	8.50	6.90	6.78	5.48
Kansas	7.53	6.89	9.01	9.52	7.67	7.29	6.80	7.07
Kentucky	7.58	6.90	9.68	9.48	8.09	7.28	6.99	7.07
Louisiana	NA	6.52	10.44	8.22	NA	NA	8.03	6.83
Maine	10.50	NA	10.54	11.53	11.11	9.76	10.13	NA
Maryland	8.06	6.85	11.22	8.21	8.95	7.85	7.57	6.82
Massachusetts	10.71	8.67	11.83	13.18	11.56	10.76	8.80	8.63
Michigan	6.31	5.81	5.00	6.92	6.55	6.07	6.03	6.05
Minnesota	7.78	5.04	9.30	7.29	10.22	7.28	6.66	NA
Mississippi	NA	5.66	9.89	7.56	NA	NA	7.54	NA
Missouri	7.95	6.74	10.19	8.95	8.14	7.81	7.52	7.08
Montana	6.23	5.42	7.19	6.99	6.37	6.10	5.87	5.28
Nebraska	6.99	4.76	8.86	7.49	8.12	6.57	6.15	5.02
Nevada	7.23	7.88	7.27	7.34	7.06	7.34	7.19	7.66
New Hampshire	NA	8.30	11.76	9.73	9.26	9.04	NA	8.02
New Jersey	8.35	5.78	8.66	7.71	9.98	8.09	7.57	6.31
New Mexico	NA	4.07	7.81	NA	NA	NA	NA	4.53
New York	NA	6.83	11.45	9.65	9.99	NA	8.13	6.49
North Carolina	8.63	6.79	11.01	10.13	9.41	8.07	8.02	7.15
North Dakota	6.82	4.75	8.73	6.89	8.80	6.25	5.78	NA
Ohio	7.90	6.15	9.24	9.18	8.31	7.93	7.11	6.31
Oklahoma	7.54	7.30	9.22	8.51	7.78	7.68	6.80	7.28
Oregon	7.75	9.14	7.62	7.72	7.77	7.74	7.76	8.83
Pennsylvania	8.88	7.19	10.94	9.62	9.48	8.83	8.16	7.44
Rhode Island	9.63	10.16	10.38	10.90	9.35	9.34	9.43	10.09
South Carolina	9.57	7.88	11.48	10.74	11.37	9.52	8.09	7.89
South Dakota	6.92	4.92	8.94	7.90	7.89	6.59	6.04	5.25
Tennessee	8.31	6.89	10.31	8.74	9.61	8.52	7.13	7.11
Texas	NA	5.01	7.90	7.87	8.67	NA	6.28	NA
Utah	5.39	5.22	7.11	4.76	5.57	5.34	5.66	5.21
Vermont	7.78	8.26	7.71	7.81	7.74	7.78	7.79	8.20
Virginia	NA	6.51	10.26	9.93	11.28	NA	7.76	7.00
Washington	6.69	8.85	8.47	6.71	6.68	6.69	6.67	8.30
West Virginia	NA	7.27	6.29	NA	NA	NA	NA	7.48
Wisconsin	8.22	5.87	8.99	8.17	10.29	7.66	7.30	6.14
Wyoming	4.69	4.99	8.82	4.65	4.88	4.66	4.59	4.76
Total	8.07	6.42	9.42	8.72	8.96	7.83	7.31	6.57

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							
	December	November	October	September	August	July	June	May
Alabama	8.69	9.20	9.62	9.56	9.57	9.55	9.22	9.45
Alaska	2.92	2.77	3.19	3.14	3.14	3.23	1.99	2.91
Arizona	7.68	8.01	8.20	8.09	8.09	7.99	8.03	8.16
Arkansas	6.91	6.93	6.76	7.17	6.72	6.96	6.95	7.22
California	7.35	6.94	5.77	5.40	5.29	5.44	5.36	5.63
Colorado	3.94	4.15	4.06	5.07	5.49	5.56	5.68	4.97
Connecticut	8.74	8.40	7.79	5.24	6.29	6.93	7.35	6.83
Delaware	8.15	8.84	10.07	10.50	10.73	10.83	10.67	9.77
District of Columbia	10.09	10.69	10.19	10.96	10.51	10.36	10.71	10.53
Florida	8.71	8.49	8.06	8.35	8.09	8.10	8.05	7.91
Georgia	7.31	7.46	8.78	9.59	10.25	11.20	10.46	9.46
Hawaii	18.89	17.42	18.55	18.38	17.83	18.41	18.39	17.24
Idaho	6.12	6.59	6.72	6.56	6.86	7.79	8.75	8.66
Illinois	6.75	6.93	6.89	7.74	8.21	8.61	8.91	7.36
Indiana	6.97	6.76	6.21	7.89	8.03	9.38	8.91	7.95
Iowa	6.09	6.01	5.92	6.82	7.34	7.12	6.63	5.81
Kansas	6.97	6.34	7.63	7.67	7.50	8.46	8.84	8.09
Kentucky	6.92	7.23	7.24	8.03	8.06	7.77	7.40	7.23
Louisiana	7.92	7.99	7.47	6.81	6.44	6.70	6.10	6.54
Maine	9.01	9.41	8.45	7.93	7.77	7.94	8.37	7.75
Maryland	7.19	6.84	6.81	5.99	7.00	6.60	5.81	7.19
Massachusetts	10.93	9.01	5.92	6.72	7.70	7.58	7.96	7.53
Michigan	6.22	6.01	6.51	7.51	7.44	6.97	6.56	6.10
Minnesota	6.24	6.20	5.36	5.38	NA	5.27	5.53	5.76
Mississippi	6.71	NA	6.62	5.95	5.37	5.52	4.58	6.32
Missouri	7.43	7.23	7.55	8.11	8.46	8.46	7.58	6.97
Montana	5.05	4.69	4.69	5.64	5.86	5.86	5.67	5.27
Nebraska	5.88	5.52	4.88	4.81	4.64	4.84	5.01	5.11
Nevada	7.47	7.77	7.76	7.55	7.50	7.53	6.81	7.23
New Hampshire	8.83	8.21	7.14	6.09	6.12	6.45	7.07	7.28
New Jersey	7.25	7.08	7.24	6.47	6.52	6.53	6.27	5.89
New Mexico	5.25	4.90	4.83	7.71	5.05	4.89	4.98	4.64
New York	7.60	6.38	6.30	5.58	5.41	5.56	6.06	6.47
North Carolina	7.67	7.85	7.33	7.66	7.83	7.84	6.85	6.53
North Dakota	5.16	4.92	4.01	4.33	NA	4.56	5.02	4.42
Ohio	6.71	6.67	6.62	6.53	6.64	6.11	6.00	5.90
Oklahoma	7.16	7.07	7.67	7.59	7.27	7.15	7.39	7.22
Oregon	7.78	7.76	8.69	9.32	9.28	9.04	9.17	8.82
Pennsylvania	7.99	7.92	7.77	7.24	7.13	7.49	7.37	7.29
Rhode Island	9.19	10.07	9.93	11.57	10.55	10.90	11.04	9.83
South Carolina	8.66	8.58	7.47	7.47	7.37	7.20	7.55	7.35
South Dakota	6.17	5.24	4.87	5.63	5.91	5.95	6.10	5.60
Tennessee	7.37	7.24	7.44	7.26	7.37	8.31	7.09	7.27
Texas	6.36	NA	6.25	5.60	5.44	5.53	5.35	5.86
Utah	5.57	5.33	4.57	5.45	5.15	4.92	4.92	4.86
Vermont	7.80	7.81	8.08	8.63	8.69	8.68	8.49	8.29
Virginia	7.54	6.81	6.82	7.99	7.62	7.91	8.38	7.57
Washington	6.71	7.28	7.80	8.09	8.03	7.92	8.34	8.79
West Virginia	7.11	7.38	7.67	9.09	9.39	9.25	8.73	8.21
Wisconsin	7.01	7.00	5.48	5.83	5.86	6.09	6.11	5.41
Wyoming	3.59	4.07	4.23	4.92	5.59	4.91	5.06	4.87
Total	7.07	6.75	6.52	6.44	6.40	6.52	6.56	6.63

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			
	April	March	February	January	Total	December	November	October
Alabama	9.24	8.63	8.99	8.54	10.41	9.73	9.55	10.04
Alaska	3.34	3.40	3.32	3.42	3.16	3.39	3.30	3.31
Arizona	8.24	9.04	8.98	9.40	7.86	8.86	8.46	7.98
Arkansas	7.19	6.88	7.04	6.82	7.80	7.07	6.61	6.04
California	6.07	5.50	5.84	6.53	9.33	5.35	5.18	4.67
Colorado	4.83	5.04	4.18	4.91	7.71	4.84	5.18	8.13
Connecticut	7.25	5.98	NA	7.41	7.68	7.27	5.56	7.35
Delaware	9.70	9.41	9.34	9.49	10.27	10.30	10.38	10.99
District of Columbia	11.61	10.36	10.07	10.39	12.02	10.55	10.35	9.77
Florida	7.73	7.34	7.63	7.77	10.50	7.60	7.60	7.99
Georgia	9.45	7.54	7.06	6.87	9.19	6.60	6.26	6.26
Hawaii	16.97	16.92	17.03	17.58	17.61	18.00	18.27	17.48
Idaho	8.59	8.30	8.18	8.29	7.58	8.06	8.27	9.56
Illinois	5.61	5.31	5.11	5.14	8.55	5.15	5.49	4.80
Indiana	7.27	5.80	5.87	6.41	8.64	5.82	7.22	7.35
Iowa	5.21	4.98	4.69	4.72	7.24	3.20	5.22	4.21
Kansas	7.59	6.64	6.55	7.05	8.52	6.72	6.89	7.31
Kentucky	6.71	6.03	7.12	7.50	9.20	7.28	7.54	9.12
Louisiana	6.72	6.57	6.13	6.71	8.59	7.30	7.47	5.27
Maine	NA	10.36	10.81	10.08	10.77	13.43	9.63	5.52
Maryland	6.73	6.74	6.61	7.24	10.15	7.94	8.49	7.10
Massachusetts	8.28	8.29	8.78	9.15	11.41	9.63	9.48	11.18
Michigan	5.82	5.91	5.88	5.63	5.45	5.73	5.66	5.97
Minnesota	5.83	5.07	4.70	4.79	7.50	4.72	5.65	3.80
Mississippi	6.43	4.99	5.63	5.83	8.17	5.77	6.24	4.83
Missouri	6.69	6.45	6.84	6.93	9.82	6.35	9.44	10.05
Montana	5.33	5.06	5.44	5.82	7.35	6.84	6.94	7.20
Nebraska	4.91	4.62	4.65	4.89	7.47	5.29	4.95	4.17
Nevada	7.02	8.07	7.81	8.28	8.00	8.21	9.83	8.54
New Hampshire	8.39	8.19	8.15	8.48	11.15	8.88	8.68	9.90
New Jersey	5.79	6.41	5.72	5.44	7.73	6.06	5.54	6.27
New Mexico	3.65	3.47	4.12	4.63	6.77	5.04	4.76	5.09
New York	6.65	6.73	6.94	6.97	9.61	7.32	6.92	6.47
North Carolina	6.34	6.54	6.94	7.03	10.14	8.09	7.93	8.52
North Dakota	5.01	4.34	3.78	5.77	6.96	4.39	4.71	3.88
Ohio	5.92	5.81	6.31	6.45	8.67	6.37	6.09	7.58
Oklahoma	6.87	7.34	7.50	7.32	8.83	7.15	7.65	7.73
Oregon	9.11	9.12	9.18	9.15	7.99	9.12	9.05	8.55
Pennsylvania	7.17	7.16	7.18	7.25	10.67	8.48	9.71	9.65
Rhode Island	10.40	10.14	10.10	10.09	10.69	10.67	11.26	11.41
South Carolina	8.07	7.81	7.73	7.98	10.03	8.15	8.12	8.06
South Dakota	5.15	5.03	4.71	4.85	7.16	3.53	5.09	4.02
Tennessee	6.63	6.74	7.20	6.85	9.40	7.39	7.57	7.78
Texas	5.55	4.70	5.31	4.79	6.49	4.37	5.81	4.18
Utah	5.14	5.17	5.25	5.26	6.78	6.06	6.49	5.77
Vermont	8.29	8.23	8.30	8.23	7.95	8.35	8.61	8.65
Virginia	7.23	5.81	6.80	6.49	9.36	6.61	8.27	7.94
Washington	8.77	8.90	8.86	8.85	8.62	8.57	8.50	8.48
West Virginia	7.42	6.99	7.53	7.19	7.04	9.10	7.74	7.74
Wisconsin	6.49	5.70	5.52	5.99	7.54	5.41	6.13	3.60
Wyoming	4.90	4.92	5.30	4.93	8.27	4.90	6.65	8.08
Total	6.55	6.26	6.43	6.48	8.43	6.35	6.79	6.39

^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
				April	March	February	January	
Alabama	NA	4.52	8.02	6.62	8.91	6.82	NA	4.30
Alaska	1.73	1.68	1.55	1.69	1.70	1.82	1.72	1.64
Arizona	6.46	NA	6.41	5.90	6.77	5.70	7.37	NA
Arkansas	NA	5.94	7.16	NA	NA	NA	5.30	5.97
California	7.54	5.03	9.13	7.87	7.77	7.18	7.36	NA
Colorado	4.02	NA	5.67	3.60	4.14	6.57	6.25	NA
Connecticut	8.11	4.93	9.64	8.22	8.81	8.11	7.38	5.02
Delaware	6.24	6.23	7.30	6.80	7.24	5.88	5.40	6.16
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.14	4.34	8.57	7.30	5.74	6.19	5.46	4.72
Georgia	6.78	4.25	8.42	4.64	9.16	7.09	6.55	5.23
Hawaii	11.26	9.63	11.41	12.15	11.35	10.92	10.62	10.17
Idaho	5.41	7.77	5.62	5.26	5.41	5.37	5.56	6.76
Illinois	7.23	4.50	9.20	7.35	8.76	6.85	6.29	5.18
Indiana	8.58	6.25	9.68	10.36	11.23	8.04	7.06	5.74
Iowa	7.34	4.69	8.95	5.62	7.78	7.77	7.46	5.37
Kansas	7.25	4.40	8.49	7.86	7.50	6.58	6.74	4.10
Kentucky	6.79	4.53	8.23	6.48	8.83	6.40	5.89	4.59
Louisiana	5.97	3.59	7.11	5.34	8.02	5.64	5.14	3.90
Maine	10.22	NA	9.69	10.80	9.98	9.95	10.32	NA
Maryland	9.87	6.73	11.74	11.40	11.36	8.61	8.40	NA
Massachusetts	NA	7.38	9.74	11.87	10.56	9.35	NA	7.27
Michigan	5.18	4.94	4.40	5.59	5.45	5.02	4.87	NA
Minnesota	6.38	3.88	7.27	5.76	8.90	5.88	5.36	NA
Mississippi	6.67	4.06	8.08	5.51	8.68	^R 6.90	5.60	4.37
Missouri	7.73	5.47	9.23	9.53	7.79	7.47	7.05	5.85
Montana	4.80	3.88	5.08	4.61	5.03	4.81	4.70	3.92
Nebraska	5.94	3.96	7.71	6.05	7.11	5.57	5.22	4.14
Nevada	8.65	7.42	6.00	8.72	8.94	8.64	8.39	7.69
New Hampshire	NA	NA	11.50	8.51	8.38	8.26	NA	NA
New Jersey	7.86	4.38	8.97	8.50	8.78	7.63	6.38	4.92
New Mexico	NA	3.92	7.52	NA	NA	NA	NA	4.19
New York	NA	6.17	9.45	9.45	8.87	NA	7.12	5.65
North Carolina	NA	4.43	8.96	NA	6.63	5.84	5.77	4.87
North Dakota	5.77	3.52	7.13	5.47	8.32	6.14	4.58	4.06
Ohio	7.65	6.20	7.16	8.69	8.34	7.46	6.78	6.25
Oklahoma	6.87	7.08	8.55	7.63	6.68	7.13	6.47	6.57
Oregon	6.07	7.31	5.95	6.04	6.14	6.20	5.88	6.95
Pennsylvania	8.23	7.43	8.18	6.69	9.82	8.39	7.97	6.89
Rhode Island	8.54	6.20	7.94	8.70	7.18	7.29	13.24	5.20
South Carolina	7.50	3.88	7.96	6.97	9.87	7.11	6.58	4.52
South Dakota	NA	4.10	7.28	5.80	NA	5.27	4.89	4.26
Tennessee	7.79	5.25	8.74	7.69	8.96	7.30	7.21	5.22
Texas	5.89	2.77	6.52	5.13	8.27	5.80	4.67	3.35
Utah	4.50	4.74	6.10	4.38	5.08	4.30	4.31	3.90
Vermont	4.97	4.34	5.92	5.15	5.04	4.67	4.92	4.39
Virginia	NA	5.08	8.10	6.66	9.86	NA	6.33	4.46
Washington	NA	5.29	6.06	6.04	5.87	NA	5.05	4.80
West Virginia	NA	4.37	7.09	NA	NA	^R 8.29	^R 6.25	4.65
Wisconsin	7.67	5.28	9.15	7.45	10.07	6.98	6.62	5.42
Wyoming	NA	4.74	6.49	5.65	NA	5.79	5.86	4.52
Total	6.31	3.80	7.20	5.88	8.08	^R6.17	^R5.31	4.00

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							
	December	November	October	September	August	July	June	May
Alabama	4.55	4.66	3.75	3.95	3.72	3.89	3.95	4.77
Alaska	1.68	1.69	1.55	1.57	1.56	1.58	1.66	1.62
Arizona	5.94	6.12	6.07	6.38	6.35	6.31	6.20	6.34
Arkansas	6.72	6.30	5.71	6.05	5.35	5.62	5.82	6.02
California	6.17	NA	5.16	4.58	4.42	4.66	4.57	4.98
Colorado	6.21	5.52	4.68	4.43	4.23	4.32	4.69	4.88
Connecticut	6.29	5.68	4.93	4.97	4.16	4.12	4.76	4.86
Delaware	5.53	5.84	6.34	6.68	6.47	6.29	7.23	5.47
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.43	4.87	4.96	4.86	4.75	4.82	5.12	4.84
Georgia	6.20	5.93	5.31	5.37	5.23	5.51	5.42	7.25
Hawaii	10.71	10.98	10.24	10.65	10.43	10.22	10.63	9.97
Idaho	4.91	4.26	5.45	5.43	5.94	5.70	7.48	7.78
Illinois	6.04	6.02	5.38	5.17	5.36	5.19	5.67	6.02
Indiana	6.16	5.41	4.37	4.42	5.04	5.47	6.17	7.63
Iowa	6.88	6.01	5.48	4.92	4.75	5.03	5.17	5.16
Kansas	5.28	5.48	4.62	3.93	3.75	3.83	3.88	3.99
Kentucky	5.31	5.41	4.62	4.21	3.95	4.10	4.22	4.46
Louisiana	4.60	4.57	4.18	4.34	3.41	3.78	3.78	3.80
Maine	7.81	6.25	5.51	4.57	4.40	4.39	4.41	4.93
Maryland	8.06	6.68	6.62	5.90	NA	5.93	8.24	8.15
Massachusetts	9.20	6.73	6.10	7.61	6.50	5.64	5.77	7.37
Michigan	3.70	5.03	5.14	5.20	5.39	NA	5.09	4.93
Minnesota	4.74	5.05	4.26	4.02	NA	NA	4.88	3.96
Mississippi	5.27	5.13	4.75	4.18	4.11	4.19	4.25	4.25
Missouri	6.76	6.41	6.28	6.02	6.08	6.29	5.92	5.94
Montana	4.01	3.70	4.12	4.67	5.14	4.57	3.74	3.41
Nebraska	4.95	4.75	4.12	3.98	3.82	4.04	3.64	4.33
Nevada	7.17	9.32	8.96	8.98	8.92	9.01	6.63	7.03
New Hampshire	NA	6.99	6.55	6.30	6.63	6.81	5.53	5.99
New Jersey	6.24	5.59	5.32	4.34	4.81	5.01	4.95	5.06
New Mexico	6.23	5.34	4.01	3.80	3.79	3.77	3.96	3.90
New York	4.69	6.45	5.59	5.27	5.23	5.37	5.21	5.58
North Carolina	6.49	5.76	4.97	4.59	4.58	4.91	4.81	4.24
North Dakota	5.00	4.69	4.21	3.79	3.84	3.83	3.92	5.30
Ohio	6.59	6.68	6.26	6.62	5.88	5.39	5.56	5.34
Oklahoma	6.34	6.15	6.07	5.39	4.85	7.07	6.39	6.04
Oregon	5.90	5.83	5.87	7.32	7.18	6.74	7.06	7.23
Pennsylvania	7.21	7.37	6.21	5.92	6.08	6.11	5.96	6.25
Rhode Island	6.89	3.16	5.54	4.59	4.65	4.91	4.67	6.88
South Carolina	5.54	5.39	5.11	4.72	4.62	4.53	4.50	4.51
South Dakota	4.61	4.35	3.98	3.88	4.49	4.51	4.53	4.41
Tennessee	5.92	5.60	5.12	5.07	4.56	4.57	4.99	5.26
Texas	4.17	4.01	3.70	3.47	3.18	3.46	3.47	3.58
Utah	4.29	3.69	2.59	2.59	2.79	2.87	4.05	4.34
Vermont	4.80	4.47	4.61	4.22	4.04	4.19	4.23	4.41
Virginia	5.84	4.25	3.34	2.97	3.52	3.88	4.40	4.10
Washington	5.15	4.60	3.86	4.37	4.57	3.41	5.28	4.52
West Virginia	5.58	5.57	5.01	4.33	4.34	4.35	4.74	4.54
Wisconsin	6.35	6.58	4.99	4.57	4.42	4.80	5.35	4.65
Wyoming	4.50	4.39	4.09	4.20	4.32	4.21	4.69	4.60
Total	4.87	4.67	4.14	3.87	3.64	3.78	3.83	4.02

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			
	April	March	February	January	Total	December	November	October
Alabama	4.28	4.28	4.67	4.81	6.33	4.72	4.83	4.56
Alaska	1.64	1.66	1.68	1.74	1.66	1.86	1.79	1.82
Arizona	6.44	NA	7.18	7.15	6.23	6.71	6.44	6.13
Arkansas	5.88	5.84	6.12	5.92	6.38	5.74	5.83	5.37
California	5.63	4.37	4.63	5.66	6.60	3.75	3.40	3.31
Colorado	5.16	NA	7.80	7.03	4.40	3.42	2.75	3.73
Connecticut	4.15	4.94	5.16	5.22	6.77	5.92	5.15	4.61
Delaware	6.16	6.11	6.02	6.58	6.85	6.11	5.68	6.19
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.29	4.97	3.46	5.06	6.98	4.24	4.51	5.66
Georgia	5.01	3.76	3.96	4.40	5.89	3.39	4.52	3.00
Hawaii	9.66	9.85	10.48	8.59	11.11	10.56	10.76	11.18
Idaho	7.75	8.07	7.65	7.64	6.43	8.76	7.17	7.10
Illinois	4.84	4.43	4.65	4.15	6.88	4.34	3.54	3.70
Indiana	7.18	4.60	6.20	7.62	8.14	3.34	7.01	3.85
Iowa	4.79	4.69	4.40	4.77	6.48	3.42	4.25	3.87
Kansas	4.00	4.02	4.93	5.28	4.97	3.99	3.09	3.29
Kentucky	4.53	4.11	4.65	4.83	6.51	4.77	5.09	4.78
Louisiana	3.69	3.62	3.26	3.77	5.03	3.58	3.84	3.53
Maine	4.43	3.73	NA	7.25	8.00	4.60	4.42	5.75
Maryland	6.16	6.75	6.12	7.62	9.07	6.62	7.00	6.00
Massachusetts	6.74	7.08	7.49	8.04	9.36	8.07	7.95	7.62
Michigan	4.81	4.97	5.01	4.93	4.77	5.13	5.16	5.14
Minnesota	4.54	3.48	3.57	3.85	5.16	4.14	4.01	2.48
Mississippi	4.52	3.83	3.72	4.20	5.79	3.72	4.68	3.79
Missouri	5.88	5.00	5.29	5.97	7.49	2.74	7.61	7.63
Montana	3.58	3.72	3.90	4.30	5.17	4.68	4.84	5.79
Nebraska	4.36	3.90	3.59	4.07	5.87	4.06	4.11	3.38
Nevada	6.73	7.85	7.01	7.71	7.00	7.24	8.57	8.35
New Hampshire	NA	NA	NA	6.06	7.92	4.60	5.27	3.71
New Jersey	4.86	4.17	4.58	4.06	6.69	4.76	4.29	4.02
New Mexico	3.43	3.94	4.41	4.64	6.18	4.25	3.44	3.87
New York	5.75	6.25	6.41	6.26	7.72	6.41	5.06	4.94
North Carolina	4.56	3.54	4.55	4.98	6.99	5.14	4.90	5.33
North Dakota	4.49	6.24	2.22	1.17	5.27	3.36	4.04	2.50
Ohio	6.06	5.80	6.22	6.66	6.58	5.16	4.90	5.51
Oklahoma	7.61	7.04	7.06	6.88	8.08	6.96	6.78	7.48
Oregon	7.15	7.29	7.38	7.40	6.09	7.25	7.25	6.62
Pennsylvania	7.06	7.50	7.45	7.58	7.18	6.38	6.87	4.69
Rhode Island	5.75	5.87	6.70	6.85	6.61	6.48	5.65	4.85
South Carolina	4.36	3.72	3.41	4.03	5.55	3.99	4.59	3.38
South Dakota	4.06	4.08	4.10	4.14	6.08	4.05	4.06	4.26
Tennessee	5.21	5.29	5.12	5.37	6.85	5.20	4.25	4.84
Texas	2.89	2.78	2.41	2.84	4.41	2.63	3.06	2.29
Utah	4.63	4.59	4.74	4.96	5.29	4.91	5.05	4.26
Vermont	4.08	4.36	4.40	4.46	5.02	4.24	4.31	4.45
Virginia	4.79	4.98	4.79	5.69	5.99	4.49	5.59	4.24
Washington	5.09	4.85	5.61	5.61	5.02	4.31	3.99	3.82
West Virginia	4.76	4.05	3.75	4.70	4.76	5.02	4.17	3.63
Wisconsin	5.70	5.02	4.99	5.52	7.50	5.59	6.01	3.64
Wyoming	4.73	4.71	4.75	4.78	6.33	3.95	4.09	7.08
Total	3.62	3.80	3.72	4.08	5.28	3.75	3.92	3.23

^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	
				March	February	January	Total	December
Alabama	6.13	2.73	7.35	7.23	6.81	5.55	3.59	4.82
Alaska	2.02	2.62	2.13	2.02	2.03	2.02	2.22	1.98
Arizona	5.73	3.23	7.40	5.78	6.16	5.08	3.26	4.82
Arkansas	6.59	3.04	7.36	5.52	6.78	6.44	3.60	4.89
California	4.90	4.74	12.43	5.81	5.22	4.50	4.07	4.65
Colorado	3.67	2.90	6.05	4.48	3.55	3.78	2.62	3.47
Connecticut	—	—	—	—	—	—	—	—
Delaware	8.18	3.38	8.43	7.00	9.21	7.28	3.66	5.58
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.58	3.48	8.04	8.61	6.72	4.83	4.22	5.90
Georgia	—	3.37	7.37	—	—	—	3.10	6.65
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	6.39	3.18	7.44	9.33	6.41	6.37	3.53	5.50
Indiana	3.57	3.19	7.44	11.68	2.86	5.41	3.85	4.82
Iowa	6.19	3.18	6.15	5.98	6.59	5.74	3.87	4.89
Kansas	5.75	2.53	7.09	8.76	6.47	5.07	3.11	4.22
Kentucky	6.51	3.97	8.77	9.30	7.03	6.10	4.34	5.24
Louisiana	6.63	2.85	7.61	9.04	7.53	5.90	3.66	4.87
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	10.19	3.61	7.34	8.52	13.47	8.05	4.07	5.78
Michigan	6.33	2.69	4.03	5.65	7.05	5.49	3.13	4.39
Minnesota	5.44	3.68	8.44	9.68	6.72	3.90	3.95	7.23
Mississippi	6.49	2.60	7.70	6.91	7.15	6.00	3.63	5.27
Missouri	5.28	3.20	6.84	6.05	7.03	4.56	3.43	5.13
Montana	5.77	4.83	10.01	5.71	6.12	5.60	4.82	6.12
Nebraska	6.89	3.06	9.41	8.49	7.05	6.48	4.17	5.24
Nevada	4.48	7.64	9.34	5.75	4.34	4.61	5.60	4.31
New Hampshire	—	—	—	—	—	—	4.08	6.51
New Jersey	—	—	—	—	—	—	—	—
New Mexico	5.47	3.13	6.42	7.05	5.84	5.03	3.29	4.42
New York	7.69	3.18	9.52	11.00	8.16	7.20	3.88	5.63
North Carolina	7.52	4.72	—	—	—	7.52	4.37	5.95
North Dakota	7.50	2.75	7.61	—	—	7.50	2.52	—
Ohio	7.56	5.01	8.54	7.16	9.12	6.01	5.17	5.52
Oklahoma	6.50	3.06	7.60	8.81	7.36	5.58	3.61	4.96
Oregon	3.77	3.19	4.61	3.47	3.87	3.66	3.01	—
Pennsylvania	—	—	8.87	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	7.29	4.62	7.32	—	—	7.29	5.16	—
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.63	2.81	6.88	7.48	6.16	5.10	3.47	4.51
Utah	—	8.59	5.98	3.47	—	—	4.82	—
Vermont	—	3.18	6.46	—	—	—	3.86	—
Virginia	7.23	12.07	23.08	8.38	8.97	6.44	4.92	7.44
Washington	—	—	—	—	—	—	—	—
West Virginia	8.71	3.42	9.40	17.44	10.70	7.28	4.53	8.40
Wisconsin	5.70	3.33	6.82	7.84	5.91	5.49	3.80	4.74
Wyoming	—	5.15	5.00	3.32	—	—	4.38	21.17
Total	5.71	3.30	7.51	7.53	6.38	5.12	3.77	4.85

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							
	November	October	September	August	July	June	May	April
Alabama	4.67	4.35	3.54	3.42	3.43	3.32	3.82	3.75
Alaska	2.02	2.02	2.11	2.12	2.12	2.40	2.38	2.46
Arizona	3.97	3.60	3.08	2.95	3.07	3.01	3.23	3.29
Arkansas	4.26	4.28	3.89	3.25	3.42	3.60	4.16	3.69
California	4.25	3.69	3.69	4.04	3.66	3.64	3.80	4.09
Colorado	3.16	2.47	1.94	2.21	1.83	2.02	2.68	3.03
Connecticut	—	—	—	—	—	—	—	—
Delaware	4.23	4.90	4.17	4.03	3.21	3.43	4.12	3.86
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.73	4.85	4.15	3.93	4.00	4.11	4.30	4.27
Georgia	2.35	1.85	4.06	3.59	3.25	2.98	2.81	3.86
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	5.00	5.20	4.01	3.18	3.19	3.57	5.71	4.34
Indiana	4.96	4.81	4.17	4.49	4.16	2.61	6.35	3.25
Iowa	5.15	4.52	3.78	3.28	3.73	3.89	4.20	4.34
Kansas	4.17	3.38	3.09	2.97	3.04	3.24	3.39	3.45
Kentucky	4.91	4.91	3.99	3.67	3.70	3.82	4.05	5.70
Louisiana	4.59	4.49	3.92	3.36	3.54	3.66	3.84	3.77
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	4.73	4.71	4.19	3.65	3.70	4.04	4.05	4.02
Michigan	9.18	3.39	2.77	2.73	2.96	2.75	2.23	3.59
Minnesota	4.86	4.52	4.82	3.91	3.28	3.53	3.66	3.96
Mississippi	4.29	4.19	3.69	3.32	3.36	3.55	3.74	3.60
Missouri	4.36	4.48	3.54	3.20	3.25	3.26	3.68	3.72
Montana	5.21	3.84	4.66	4.65	6.13	4.71	4.90	4.98
Nebraska	4.45	4.07	4.01	3.80	3.12	3.93	4.47	3.65
Nevada	4.96	4.88	5.43	4.50	4.93	5.09	5.25	6.13
New Hampshire	—	4.42	3.87	3.58	3.38	3.39	3.81	3.97
New Jersey	—	—	—	—	—	—	—	—
New Mexico	4.16	3.60	3.10	3.05	3.13	3.04	3.15	3.13
New York	5.17	4.50	3.94	3.79	3.85	3.88	3.94	3.86
North Carolina	6.07	5.95	4.51	4.30	4.29	4.32	3.80	3.79
North Dakota	—	2.00	—	—	2.14	—	—	—
Ohio	6.12	6.01	4.49	4.33	4.66	4.95	5.15	6.36
Oklahoma	4.93	4.31	3.50	3.34	3.42	3.50	3.80	3.81
Oregon	3.51	2.80	2.81	2.35	2.38	2.95	3.15	2.95
Pennsylvania	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	4.94	6.03	5.42	5.38	5.37	5.28	—	4.29
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	4.18	3.89	3.50	3.17	3.40	3.45	3.58	3.54
Utah	3.63	2.96	3.62	3.69	4.33	5.13	—	3.54
Vermont	4.86	4.39	—	—	—	—	—	—
Virginia	8.98	6.37	4.61	3.93	3.98	4.39	5.59	5.55
Washington	—	—	—	—	—	—	—	—
West Virginia	9.03	4.84	4.07	4.18	3.39	6.52	4.46	3.90
Wisconsin	4.81	4.23	3.99	3.42	3.57	3.90	3.92	3.98
Wyoming	5.84	2.21	2.22	2.89	2.85	—	—	3.91
Total	4.49	4.26	3.76	3.47	3.53	3.67	3.88	3.90

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				
	March	February	January	Total	December	November	October	September
Alabama	3.07	2.44	2.66	5.20	2.57	4.97	2.56	3.89
Alaska	2.77	2.57	2.57	2.36	2.60	2.59	2.66	2.45
Arizona	3.45	2.66	3.33	4.70	2.93	3.13	2.67	2.88
Arkansas	3.82	2.66	2.64	4.44	2.70	3.60	2.44	2.67
California	4.42	4.58	5.93	9.38	5.64	3.43	4.03	5.01
Colorado	3.01	2.67	2.95	3.81	2.73	3.42	2.36	2.87
Connecticut	—	—	—	—	—	—	—	—
Delaware	3.86	3.05	3.30	4.41	3.12	—	3.74	—
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.64	3.29	3.48	4.73	3.15	3.83	2.80	3.68
Georgia	3.67	2.70	8.67	3.36	3.52	—	2.55	2.45
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.19	3.14	3.23	3.79	3.04	2.14	2.85	4.35
Indiana	3.25	3.07	3.36	5.18	4.07	3.95	4.04	3.78
Iowa	3.18	2.91	3.44	4.78	3.67	3.82	2.69	3.13
Kansas	2.94	2.27	2.26	3.60	2.63	2.56	2.35	2.37
Kentucky	4.61	3.97	3.55	4.70	3.65	4.50	2.83	2.85
Louisiana	3.18	2.49	2.76	4.30	2.78	3.15	2.26	2.44
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	3.89	3.26	3.23	3.58	3.30	3.20	2.82	2.81
Michigan	2.17	2.91	3.51	3.48	2.93	2.44	2.81	2.64
Minnesota	2.55	4.16	3.94	5.25	3.48	2.99	3.50	3.86
Mississippi	2.83	2.36	2.62	3.54	2.48	2.67	2.13	2.64
Missouri	3.24	3.04	3.19	4.69	3.01	3.02	2.90	4.63
Montana	4.82	4.69	4.89	7.54	4.84	5.07	5.44	5.34
Nebraska	4.57	2.22	3.12	4.29	3.67	4.34	2.53	3.78
Nevada	7.28	8.09	7.83	8.22	5.79	3.72	10.65	13.58
New Hampshire	—	—	—	2.56	—	—	2.55	2.47
New Jersey	—	—	—	3.43	3.58	3.03	3.03	—
New Mexico	3.47	2.91	2.68	4.22	2.56	2.99	2.31	2.80
New York	3.26	2.83	3.38	4.12	3.12	3.54	2.75	2.88
North Carolina	4.84	4.47	4.88	4.50	4.70	5.40	3.58	3.80
North Dakota	2.68	2.89	—	7.08	—	—	—	4.50
Ohio	5.78	3.98	5.95	8.17	5.78	4.37	6.30	9.74
Oklahoma	3.17	2.90	3.15	4.62	3.16	3.53	3.03	2.73
Oregon	3.30	2.96	3.36	3.82	3.85	3.62	3.24	3.20
Pennsylvania	—	—	—	8.87	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	4.48	6.12	4.11	2.64	5.73	5.85	2.34	5.67
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.05	2.66	2.74	4.32	2.84	3.07	2.53	2.70
Utah	6.10	9.98	11.71	4.88	—	10.12	6.67	3.96
Vermont	3.13	2.73	3.54	4.83	—	—	—	—
Virginia	12.56	12.17	8.92	4.55	3.57	—	—	3.06
Washington	—	—	—	—	—	—	—	—
West Virginia	3.44	2.98	4.66	6.46	2.97	4.07	5.44	4.07
Wisconsin	3.41	3.30	3.27	4.76	3.65	3.62	2.81	3.33
Wyoming	4.43	5.09	7.21	4.01	—	—	3.61	—
Total	3.50	3.05	3.31	4.61	3.14	3.32	2.78	3.03

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

— 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	April	
							Commercial	Industrial
Alabama	80.4	NA	79.2	17.5	86.7	23.9	73.4	14.6
Alaska	55.4	92.9	60.4	99.3	61.9	99.6	56.8	87.4
Arizona	91.7	34.5	94.1	NA	91.3	42.6	90.6	34.1
Arkansas	NA	NA	86.8	5.7	90.3	7.6	NA	NA
California	NA	5.9	69.6	5.6	61.5	12.7	64.7	6.5
Colorado	99.8	NA	NA	NA	92.7	0.3	99.7	0.7
Connecticut	67.2	50.6	NA	NA	75.7	53.2	66.8	51.0
Delaware	NA	13.3	97.9	12.9	98.4	18.3	86.4	20.4
District of Columbia	NA	—	23.2	—	24.9	—	29.3	—
Florida	39.2	NA	44.2	1.8	64.8	4.7	34.8	2.2
Georgia	100.0	6.5	100.0	5.8	21.8	22.9	100.0	7.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.5	2.2	77.3	2.6	88.9	2.8	85.8	1.8
Illinois	45.6	11.4	41.1	10.6	45.0	12.6	41.2	8.4
Indiana	82.3	10.2	77.0	7.4	81.3	11.1	75.2	6.5
Iowa	NA	7.4	81.2	6.2	86.5	8.3	76.1	5.6
Kansas	62.5	2.2	62.5	4.1	67.8	3.0	59.3	3.6
Kentucky	76.0	17.7	75.3	16.7	85.5	20.7	60.0	18.4
Louisiana	NA	15.7	72.2	8.9	82.4	7.5	98.1	15.9
Maine	80.4	NA	NA	NA	100.0	7.5	71.7	9.0
Maryland	100.0	10.3	100.0	10.2	39.1	11.1	100.0	8.6
Massachusetts	66.0	NA	52.4	26.3	69.0	36.9	54.1	33.4
Michigan	67.2	14.1	69.7	12.9	67.7	16.2	65.5	11.7
Minnesota	94.9	40.4	NA	26.4	98.7	44.1	87.5	36.1
Mississippi	NA	25.8	96.3	27.7	96.3	29.1	94.5	24.8
Missouri	84.0	15.6	83.3	20.4	86.5	19.7	79.8	11.5
Montana	75.7	3.0	76.0	NA	77.4	2.9	65.3	2.1
Nebraska	64.9	20.1	60.8	18.8	66.1	26.5	58.2	13.4
Nevada	77.2	24.4	87.7	51.9	69.9	23.4	74.1	23.1
New Hampshire	NA	NA	83.3	NA	90.9	15.7	81.9	13.5
New Jersey	59.7	26.0	55.3	22.3	63.8	27.5	60.5	28.8
New Mexico	NA	NA	69.2	7.5	69.1	22.6	NA	NA
New York	NA	NA	100.0	9.0	61.2	13.2	100.0	11.4
North Carolina	93.3	36.5	91.4	30.1	98.0	39.6	90.9	25.5
North Dakota	NA	44.4	NA	15.6	91.1	12.7	NA	45.4
Ohio	100.0	4.5	100.0	3.1	46.8	10.2	100.0	3.0
Oklahoma	76.4	4.1	NA	4.5	77.4	5.3	65.7	2.6
Oregon	98.5	13.7	93.9	19.4	99.9	20.3	98.2	13.1
Pennsylvania	100.0	8.7	100.0	6.2	66.6	13.9	100.0	9.0
Rhode Island	73.6	17.7	NA	58.5	63.9	32.7	71.4	19.6
South Carolina	NA	80.2	97.9	82.9	98.8	85.3	95.6	80.1
South Dakota	84.6	NA	NA	43.3	86.2	52.3	80.5	26.0
Tennessee	92.0	24.3	91.1	24.5	95.7	40.6	88.3	21.5
Texas	NA	43.7	83.3	35.4	84.7	28.5	69.6	42.6
Utah	88.8	14.3	86.8	14.0	86.9	10.5	87.5	14.9
Vermont	100.0	88.0	100.0	79.8	100.0	82.0	100.0	75.3
Virginia	NA	NA	63.4	17.3	74.3	23.1	57.8	19.6
Washington	89.4	NA	86.8	28.5	95.1	37.4	88.6	19.5
West Virginia	NA	NA	64.3	7.0	79.0	8.0	NA	NA
Wisconsin	79.4	23.7	78.0	22.0	79.3	24.4	79.4	17.6
Wyoming	49.8	NA	87.8	NA	87.7	3.5	46.5	1.8
Total	79.5	21.7	78.6	19.0	70.5	20.9	76.3	21.0

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	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.6	16.8	83.5	15.2	80.3	NA	NA	16.9
Alaska	53.5	89.6	52.9	99.1	57.9	98.6	NA	90.6
Arizona	91.2	33.8	91.3	35.7	93.1	34.3	91.6	NA
Arkansas	NA	NA	NA	NA	98.6	3.9	80.9	4.8
California	64.4	5.5	NA	8.0	NA	3.7	68.4	NA
Colorado	99.8	0.2	99.9	—	99.9	NA	NA	NA
Connecticut	66.9	52.8	65.6	47.4	69.3	51.1	NA	NA
Delaware	90.0	13.8	91.2	13.8	NA	9.9	NA	NA
District of Columbia	42.8	—	38.7	—	NA	—	NA	—
Florida	37.4	2.4	40.2	NA	43.5	NA	39.9	1.6
Georgia	R100.0	7.0	100.0	6.5	100.0	5.2	100.0	5.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.3	2.1	87.6	2.5	87.9	2.2	79.2	NA
Illinois	47.4	11.9	46.5	12.3	45.5	12.4	39.3	NA
Indiana	81.5	8.0	81.9	12.0	85.1	13.0	NA	7.6
Iowa	79.8	7.7	NA	7.4	81.1	8.6	80.0	6.7
Kansas	65.8	2.0	63.3	2.1	60.3	1.3	57.7	NA
Kentucky	71.3	17.5	81.4	17.3	80.6	17.8	75.1	16.0
Louisiana	NA	15.3	NA	17.7	97.6	13.9	66.6	8.6
Maine	74.7	9.8	79.7	NA	93.8	6.5	NA	NA
Maryland	R100.0	10.8	100.0	12.6	100.0	9.3	100.0	NA
Massachusetts	63.2	37.5	68.7	47.0	73.6	NA	48.8	20.7
Michigan	66.3	14.8	68.2	14.3	68.0	15.1	63.6	NA
Minnesota	99.1	38.7	95.6	42.2	94.7	43.2	NA	NA
Mississippi	NA	27.1	NA	R28.9	95.8	23.1	NA	25.6
Missouri	85.6	16.2	85.5	18.0	83.0	15.7	76.8	14.2
Montana	75.3	3.3	74.0	2.8	84.3	4.2	75.3	NA
Nebraska	64.6	24.6	66.5	22.6	67.2	21.5	61.3	13.3
Nevada	75.5	20.6	80.1	29.2	78.4	25.9	78.9	35.9
New Hampshire	85.0	15.5	NA	NA	NA	NA	NA	NA
New Jersey	61.5	28.0	59.5	24.9	58.0	22.8	46.8	NA
New Mexico	NA	NA	NA	NA	NA	NA	66.6	11.9
New York	R100.0	11.3	NA	NA	100.0	14.2	100.0	9.0
North Carolina	95.4	43.0	93.5	40.5	92.9	36.1	90.1	37.4
North Dakota	97.1	38.5	98.2	34.3	97.2	53.2	NA	NA
Ohio	R100.0	4.5	100.0	5.5	100.0	4.7	100.0	2.2
Oklahoma	76.9	6.4	77.7	4.2	80.0	3.5	NA	3.0
Oregon	98.5	13.8	98.5	14.2	98.6	13.7	95.9	14.1
Pennsylvania	R100.0	8.8	100.0	8.2	100.0	8.6	100.0	6.0
Rhode Island	77.2	21.5	74.2	19.0	71.1	10.8	NA	67.0
South Carolina	96.8	77.7	97.4	81.2	NA	81.3	98.3	82.7
South Dakota	85.9	NA	83.4	NA	86.6	NA	NA	45.1
Tennessee	92.4	26.6	93.5	23.8	91.7	25.3	NA	NA
Texas	80.3	41.8	NA	42.0	83.3	47.8	NA	41.4
Utah	88.5	13.1	89.5	14.6	89.1	14.6	84.4	13.7
Vermont	100.0	100.0	100.0	100.0	100.0	87.0	100.0	76.5
Virginia	64.5	13.0	NA	NA	71.4	20.7	62.2	NA
Washington	89.7	25.5	89.7	NA	89.5	25.4	87.2	27.0
West Virginia	NA	NA	NA	R11.9	NA	R12.6	58.1	6.8
Wisconsin	78.9	24.4	79.6	25.7	79.7	25.4	72.2	19.7
Wyoming	51.0	NA	52.6	2.9	48.4	2.0	72.5	NA
Total	R80.0	21.2	78.9	R21.8	81.4	R22.7	76.6	19.8

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							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	78.1	18.5	69.0	19.1	68.1	16.8	71.3	15.6
Alaska	71.2	99.6	69.5	96.4	53.6	99.5	58.3	87.3
Arizona	90.7	33.5	89.9	NA	88.6	38.5	89.0	40.6
Arkansas	82.6	4.7	79.4	4.6	71.4	4.8	73.5	3.6
California	72.1	5.4	83.3	NA	68.3	5.1	66.6	4.5
Colorado	99.3	NA	99.5	NA	99.6	NA	99.7	NA
Connecticut	72.9	49.5	70.1	43.2	67.7	48.7	73.7	52.8
Delaware	NA	NA	97.0	NA	96.4	NA	97.8	NA
District of Columbia	NA	—	28.2	—	24.1	—	17.4	—
Florida	39.5	1.8	36.4	1.5	36.8	1.4	35.2	1.5
Georgia	100.0	5.5	100.0	5.5	100.0	5.1	100.0	5.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.4	2.2	84.9	1.3	75.8	1.5	78.9	1.3
Illinois	45.4	12.0	40.7	10.2	38.2	9.0	29.2	6.2
Indiana	84.4	11.1	77.4	11.3	72.7	11.2	64.1	5.9
Iowa	82.9	9.0	88.8	11.3	89.4	9.2	51.8	4.8
Kansas	58.1	2.4	54.3	2.4	40.2	3.2	50.5	6.8
Kentucky	78.6	16.3	77.3	16.6	72.0	15.9	68.7	14.4
Louisiana	66.5	9.0	51.6	8.0	52.6	8.4	49.5	8.3
Maine	NA	100.0	NA	100.0	NA	100.0	25.2	100.0
Maryland	100.0	10.9	100.0	NA	100.0	5.3	100.0	5.8
Massachusetts	58.9	28.1	52.8	20.8	48.3	12.9	38.1	9.7
Michigan	64.8	17.2	61.5	10.7	53.5	6.5	42.7	4.2
Minnesota	93.2	42.2	95.9	37.8	94.1	50.2	77.0	32.7
Mississippi	96.9	24.9	NA	24.9	93.3	23.6	93.7	23.9
Missouri	80.1	16.9	74.8	12.3	56.7	8.0	68.3	9.7
Montana	81.9	NA	77.1	2.2	76.9	1.2	67.1	0.8
Nebraska	65.7	16.7	69.1	16.1	66.4	13.9	59.2	7.4
Nevada	72.9	30.3	68.8	24.4	65.9	22.4	65.9	20.7
New Hampshire	87.5	NA	49.6	91.9	NA	NA	36.8	—
New Jersey	53.5	NA	52.0	21.3	34.9	17.8	23.1	17.3
New Mexico	71.8	11.9	74.7	10.8	62.4	11.1	47.4	14.4
New York	100.0	13.2	100.0	6.2	100.0	6.5	100.0	9.1
North Carolina	92.7	37.2	88.6	38.3	87.1	43.3	86.2	44.5
North Dakota	93.4	19.0	93.4	20.5	90.7	16.8	86.8	9.9
Ohio	100.0	3.8	100.0	2.8	100.0	1.3	100.0	1.4
Oklahoma	73.8	3.4	68.3	2.6	51.7	1.2	49.7	2.3
Oregon	98.6	12.5	98.2	12.3	97.8	10.8	97.6	10.5
Pennsylvania	100.0	9.4	100.0	6.7	100.0	6.2	100.0	5.9
Rhode Island	92.2	58.7	89.5	96.8	41.4	63.3	55.0	65.6
South Carolina	98.6	76.5	98.0	78.4	100.0	86.3	99.5	86.2
South Dakota	83.9	70.9	79.7	66.7	84.0	63.4	69.8	52.4
Tennessee	90.1	24.1	83.3	20.6	77.6	21.7	75.2	20.5
Texas	79.8	43.0	NA	42.0	74.8	41.8	73.3	44.6
Utah	88.6	13.7	87.0	15.1	83.4	12.8	76.8	13.6
Vermont	100.0	86.6	100.0	77.9	100.0	74.5	100.0	68.9
Virginia	70.9	25.5	65.7	NA	57.8	50.1	13.3	—
Washington	89.9	26.5	89.3	31.1	84.4	25.0	80.3	24.2
West Virginia	70.5	5.5	56.3	7.0	86.0	5.6	34.4	8.7
Wisconsin	77.6	26.6	71.7	22.6	62.4	19.0	47.0	13.3
Wyoming	46.8	1.4	49.7	1.2	55.7	1.7	51.8	1.5
Total	79.4	20.1	79.0	19.3	72.9	18.8	68.9	19.5

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							
	August		July		June		May	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	NA	17.7	70.5	16.2	72.2	15.2	72.0	14.2
Alaska	60.6	78.7	55.2	80.6	70.7	79.4	NA	81.3
Arizona	88.1	38.4	89.2	39.9	89.6	45.9	90.3	45.6
Arkansas	74.0	3.6	61.2	5.0	74.8	3.7	70.0	4.0
California	61.8	4.6	61.8	4.4	64.2	4.6	64.5	6.4
Colorado	99.9	NA	99.7	NA	99.5	NA	99.6	NA
Connecticut	78.4	44.0	77.1	33.8	73.8	46.2	71.2	48.8
Delaware	98.4	6.5	98.6	8.0	98.4	10.4	98.3	14.7
District of Columbia	18.0	—	17.6	—	19.9	—	20.8	—
Florida	35.9	1.4	36.2	1.3	38.2	1.7	39.2	1.4
Georgia	100.0	5.0	100.0	4.9	100.0	5.4	100.0	5.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	81.0	NA	79.5	NA	76.2	1.9	79.0	0.9
Illinois	28.0	5.1	28.7	NA	27.3	6.8	34.6	7.2
Indiana	NA	5.5	62.0	4.7	68.6	5.5	81.5	4.7
Iowa	65.5	4.5	64.3	4.7	67.3	4.7	77.1	4.3
Kansas	48.2	NA	46.3	13.8	51.1	9.5	53.6	7.3
Kentucky	71.8	16.9	68.9	15.9	71.3	14.5	71.5	13.7
Louisiana	60.5	7.7	60.9	7.1	78.2	9.4	96.7	10.0
Maine	40.6	100.0	NA	100.0	37.8	100.0	NA	100.0
Maryland	100.0	NA	100.0	3.2	100.0	6.0	100.0	5.8
Massachusetts	33.5	11.8	40.3	18.4	34.3	16.5	39.1	21.1
Michigan	43.1	5.2	45.1	NA	54.5	5.6	58.1	8.0
Minnesota	NA	NA	82.8	NA	86.4	23.6	91.8	41.5
Mississippi	NA	25.4	96.6	23.8	96.7	25.9	95.8	23.7
Missouri	65.8	8.8	67.5	8.3	70.1	8.8	53.9	9.1
Montana	69.7	0.7	66.8	0.9	66.0	1.3	69.8	2.1
Nebraska	63.0	7.0	61.0	6.2	51.2	20.6	50.1	12.7
Nevada	63.1	19.3	63.4	18.6	84.5	41.8	84.5	46.0
New Hampshire	72.4	NA	64.7	NA	NA	51.9	75.7	38.7
New Jersey	27.1	NA	29.1	NA	36.9	17.6	29.3	18.0
New Mexico	59.7	19.5	60.0	17.4	61.4	16.6	50.5	14.9
New York	100.0	6.9	100.0	13.8	100.0	8.2	100.0	10.7
North Carolina	84.6	37.1	86.6	44.4	89.1	43.3	87.0	44.5
North Dakota	NA	11.9	80.6	7.7	81.8	NA	52.1	10.9
Ohio	100.0	1.2	100.0	0.9	100.0	1.0	100.0	1.1
Oklahoma	51.2	2.2	56.3	1.2	59.0	1.8	58.6	2.2
Oregon	97.5	8.7	97.4	9.8	97.9	10.8	98.4	12.3
Pennsylvania	100.0	4.1	100.0	3.9	100.0	4.5	100.0	4.7
Rhode Island	37.2	67.6	45.1	61.9	50.8	82.2	51.3	55.4
South Carolina	94.3	78.4	99.0	86.6	98.6	82.4	100.0	86.4
South Dakota	73.1	20.2	68.7	14.6	74.0	20.1	80.0	37.9
Tennessee	73.2	19.1	73.2	19.5	NA	NA	85.1	22.6
Texas	80.9	44.7	89.1	47.7	89.3	48.3	89.3	43.6
Utah	69.8	13.6	69.4	12.1	73.3	13.4	72.9	13.1
Vermont	100.0	67.3	100.0	68.8	100.0	68.9	100.0	74.5
Virginia	53.3	11.1	52.2	10.8	51.6	9.8	58.7	14.2
Washington	80.7	20.3	83.1	27.0	90.4	24.0	92.4	29.5
West Virginia	31.7	7.0	26.6	7.9	33.0	6.5	39.5	6.7
Wisconsin	49.3	14.5	51.4	11.1	60.2	13.3	69.1	16.9
Wyoming	60.7	1.5	30.5	1.4	91.7	1.3	96.1	2.0
Total	69.7	19.4	71.7	20.8	72.0	22.5	72.9	21.0

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							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	78.1	15.7	81.8	17.7	80.9	17.5	76.0	19.0
Alaska	61.6	99.4	61.5	99.2	58.9	99.2	59.8	99.3
Arizona	92.1	51.3	93.2	NA	94.6	55.2	95.7	56.1
Arkansas	83.0	4.8	86.4	6.2	88.9	5.8	87.5	5.8
California	68.0	4.9	72.1	5.9	69.0	6.3	69.2	5.3
Colorado	NA	NA	99.5	NA	99.2	NA	88.6	NA
Connecticut	61.2	NA	85.2	NA	NA	NA	72.0	42.5
Delaware	98.3	11.8	97.9	14.0	98.1	13.3	97.6	12.6
District of Columbia	21.6	—	22.6	—	23.8	—	23.8	—
Florida	40.4	1.4	43.7	1.6	44.6	2.5	47.7	1.6
Georgia	100.0	5.5	100.0	6.1	100.0	5.9	100.0	5.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	73.2	2.4	75.6	2.6	78.6	2.8	79.9	2.6
Illinois	37.9	9.8	41.0	10.6	43.1	10.7	41.3	11.4
Indiana	75.9	5.7	78.9	9.0	76.2	7.2	76.9	7.5
Iowa	83.2	5.3	80.7	7.2	82.4	4.6	79.6	7.5
Kansas	62.7	7.3	63.1	3.7	64.0	2.9	60.9	2.8
Kentucky	72.6	16.2	68.0	17.6	77.1	16.7	81.9	16.4
Louisiana	78.7	9.4	72.7	8.6	71.4	9.1	68.6	8.5
Maine	NA	100.0	50.2	100.0	53.3	NA	57.4	100.0
Maryland	100.0	5.3	100.0	13.0	100.0	11.3	100.0	10.3
Massachusetts	46.7	24.5	56.4	23.7	50.2	28.7	55.3	28.4
Michigan	65.5	11.1	76.1	13.7	68.7	12.9	68.5	14.0
Minnesota	84.2	30.7	NA	36.1	90.8	16.0	93.2	21.3
Mississippi	95.0	26.9	96.1	27.2	95.9	29.5	97.4	27.4
Missouri	82.2	14.1	85.8	23.0	80.4	24.4	84.5	19.6
Montana	73.2	NA	81.8	3.7	73.6	3.0	74.6	3.1
Nebraska	51.5	15.0	58.7	25.4	57.5	16.6	75.0	19.4
Nevada	86.0	39.6	87.3	60.8	88.7	46.1	88.0	60.0
New Hampshire	79.0	NA	84.2	NA	84.0	NA	84.5	32.1
New Jersey	49.7	20.7	53.8	22.6	55.3	21.4	59.7	24.3
New Mexico	54.0	11.9	63.7	8.8	75.9	4.9	76.7	4.3
New York	100.0	9.8	100.0	8.5	100.0	9.1	100.0	8.9
North Carolina	89.7	39.3	90.6	27.1	91.6	25.1	92.7	29.9
North Dakota	91.9	14.8	NA	18.1	92.8	15.4	93.3	14.4
Ohio	100.0	2.7	100.0	3.1	100.0	3.5	100.0	3.0
Oklahoma	70.9	3.1	77.8	4.6	74.5	5.4	NA	4.9
Oregon	98.5	18.9	98.9	19.9	98.9	20.4	83.7	18.5
Pennsylvania	100.0	4.8	100.0	5.7	100.0	6.8	100.0	7.2
Rhode Island	56.4	67.9	NA	62.9	61.1	48.3	NA	53.4
South Carolina	99.7	83.6	97.0	79.8	97.2	82.7	98.4	85.7
South Dakota	85.3	43.1	89.3	36.7	85.3	50.0	NA	46.3
Tennessee	91.4	21.2	91.9	28.7	93.7	24.4	88.5	24.2
Texas	73.4	48.9	75.3	30.0	90.8	31.2	91.9	29.3
Utah	78.5	15.8	90.3	12.7	87.1	13.9	87.3	14.0
Vermont	100.0	79.8	100.0	80.2	100.0	79.9	100.0	79.3
Virginia	58.9	14.2	61.8	18.5	66.0	19.8	64.4	16.7
Washington	92.5	32.2	93.5	28.9	93.6	28.1	73.2	25.4
West Virginia	60.8	8.1	63.0	6.2	66.2	6.7	65.9	7.1
Wisconsin	74.9	19.2	78.9	23.6	78.5	21.5	78.4	23.2
Wyoming	92.1	NA	89.4	2.9	91.4	2.0	83.0	1.8
Total	75.8	23.2	79.3	17.7	79.5	17.9	79.1	17.4

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	2001							
	Total		December		November		October	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	82.5	22.2	77.9	21.9	76.9	22.1	74.3	20.8
Alaska	60.5	96.2	60.0	99.3	60.0	99.3	57.0	94.9
Arizona	92.6	46.4	95.8	55.3	93.8	54.8	94.3	54.6
Arkansas	87.0	6.0	90.7	5.4	87.1	5.3	82.7	5.6
California	62.6	9.1	68.0	8.0	63.2	8.2	63.5	8.0
Colorado	95.6	2.5	100.0	0.5	100.0	1.3	97.9	1.5
Connecticut	77.5	53.2	85.7	50.9	78.3	58.1	71.2	73.2
Delaware	98.3	16.1	98.0	16.3	97.8	14.9	98.2	11.7
District of Columbia	22.4	—	22.1	—	19.4	—	18.4	—
Florida	56.6	3.8	50.4	4.0	46.6	3.3	46.6	2.5
Georgia	20.0	19.9	13.7	19.7	19.0	19.5	13.9	17.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.3	2.2	86.6	2.3	83.3	1.8	76.3	1.5
Illinois	41.1	9.9	42.5	12.1	36.8	10.3	37.0	8.7
Indiana	77.1	7.7	80.9	10.2	72.6	6.6	69.0	8.3
Iowa	82.0	7.4	82.6	9.8	76.5	10.8	73.4	7.8
Kansas	62.1	9.3	56.4	4.4	47.8	8.0	48.5	7.7
Kentucky	81.8	18.7	78.8	16.9	79.7	16.5	75.5	19.6
Louisiana	82.3	8.3	81.7	9.1	82.7	10.0	81.1	8.6
Maine	100.0	8.1	100.0	3.6	100.0	4.5	100.0	8.9
Maryland	32.6	8.5	36.5	10.3	26.8	6.6	27.9	7.0
Massachusetts	62.1	26.3	51.3	21.8	58.9	29.5	48.8	18.6
Michigan	63.5	11.2	68.4	11.9	61.9	9.9	57.4	7.3
Minnesota	98.3	41.9	95.9	41.2	98.1	30.3	98.7	52.1
Mississippi	95.7	28.8	95.6	31.1	95.3	31.3	96.2	21.2
Missouri	80.8	16.5	78.0	32.9	71.2	12.4	68.8	10.2
Montana	76.1	2.2	81.5	3.0	75.4	1.9	75.1	1.2
Nebraska	63.7	18.0	57.6	18.7	61.7	12.0	71.7	18.6
Nevada	73.9	33.3	88.9	68.2	85.4	48.4	82.9	41.7
New Hampshire	86.6	13.0	95.8	16.5	98.9	17.5	51.2	14.1
New Jersey	59.1	21.6	58.8	21.1	56.2	15.6	53.3	16.8
New Mexico	68.2	14.6	73.4	6.0	70.7	8.8	59.2	8.3
New York	45.7	10.8	53.6	9.7	50.0	15.5	39.4	4.8
North Carolina	94.0	30.5	91.7	30.7	90.4	27.3	88.2	17.7
North Dakota	90.1	9.8	93.2	17.9	90.8	13.4	89.1	12.1
Ohio	41.8	6.4	39.2	6.4	40.1	5.6	36.4	2.9
Oklahoma	71.3	3.1	77.0	2.5	65.1	2.4	58.8	1.5
Oregon	99.3	21.5	99.1	21.5	100.0	20.6	100.0	21.1
Pennsylvania	63.0	9.9	61.6	8.4	59.4	7.3	55.7	8.8
Rhode Island	58.0	27.3	52.4	13.6	49.4	29.3	41.8	26.8
South Carolina	97.5	82.1	96.8	84.4	96.4	82.4	94.2	79.8
South Dakota	84.2	42.1	85.9	44.5	82.0	45.5	80.2	33.3
Tennessee	93.6	36.2	93.1	38.4	92.2	37.7	88.3	29.3
Texas	85.3	28.7	91.0	28.2	88.5	28.8	87.8	29.6
Utah	84.4	10.4	86.1	13.8	83.1	11.0	80.5	9.2
Vermont	100.0	75.4	100.0	79.0	100.0	76.0	100.0	73.3
Virginia	65.8	17.3	64.4	15.4	57.8	11.2	59.0	24.1
Washington	94.0	37.8	97.3	45.7	93.5	46.1	93.8	45.8
West Virginia	63.9	16.6	41.5	62.1	71.7	7.0	32.2	60.8
Wisconsin	77.3	19.2	84.2	22.8	76.7	19.7	73.9	15.7
Wyoming	86.5	2.5	96.2	1.8	65.7	2.2	86.0	2.3
Total	65.8	19.3	67.9	19.4	64.8	18.7	59.9	18.7

^R Revised Data.

^{NA} Not Available.

— Not Applicable.

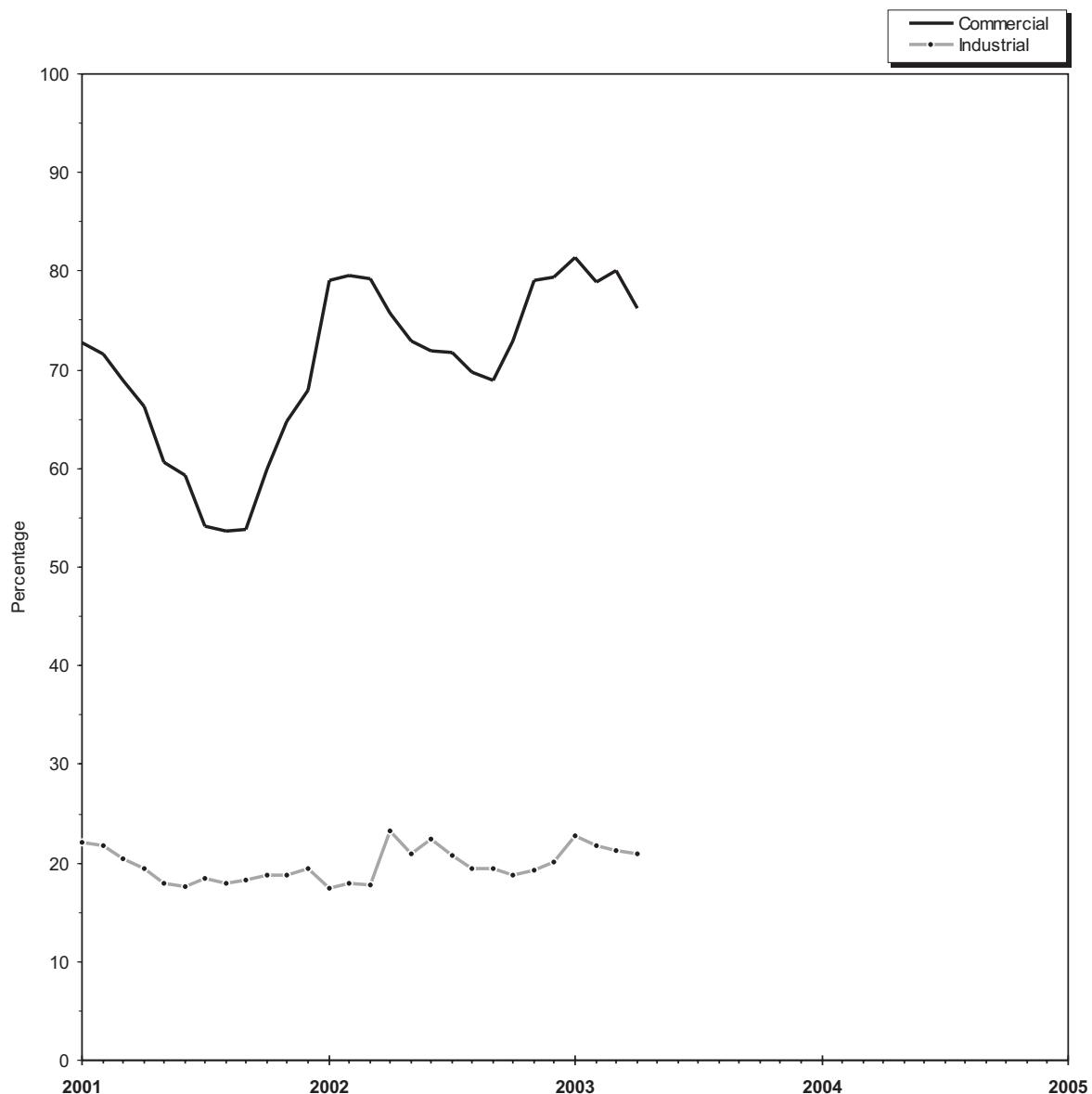
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors.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

Appendix C

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

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	55	1,080	1,190	1,609	0.27	NA	0.42
Alaska	0	0	0	0	—	—	—
Arizona	93	8	0	93	0.55	0.13	—
Arkansas	NA	NA	NA	NA	NA	NA	NA
California	300	52	4,702	4,712	0.11	0.12	NA
Colorado	0	0	0	0	—	—	—
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	64	207	681	715	NA	NA	NA
Georgia	3,129	636	7,638	8,279	NA	NA	NA
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	174	436	2,962	2,999	0.41	0.08	0.11
Indiana	1,138	123	427	1,222	NA	NA	NA
Iowa	123	40	9	130	0.06	0.03	0.38
Kansas	282	229	6	363	NA	0.55	NA
Kentucky	741	426	638	1,066	0.57	NA	NA
Louisiana	1,510	260	557	1,631	NA	0.84	0.32
Maine	0	0	0	0	—	—	—
Maryland	34	9	21	41	0.04	0.15	0.75
Massachusetts	0	0	0	0	—	—	—
Michigan	0	0	0	0	—	—	—
Minnesota	433	32	147	458	0.48	0.12	0.08
Mississippi	0	0	0	0	—	—	—
Missouri	16	79	287	298	0.21	0.20	0.23
Montana	3	6	0	6	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	1,200	1,393	1,358	2,286	0.15	0.07	0.05
North Carolina	0	0	0	0	—	—	NA
North Dakota	0	NA	0	0	—	NA	—
Ohio	549	3,045	8,642	9,179	0.26	NA	NA
Oklahoma	148	129	334	387	0.18	0.22	1.05
Oregon	0	0	0	0	—	—	—
Pennsylvania	427	118	620	762	0.07	0.04	0.51
South Carolina	21	12	136	138	0.29	0.04	0.29
South Dakota	0	0	0	0	—	—	—
Tennessee	242	144	816	863	0.14	0.20	NA
Texas	1,800	16,205	27,362	31,851	0.65	0.66	0.11
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	92	373	199	433	0.08	0.07	0.23
Washington	0	NA	0	0	—	—	—
West Virginia	NA	NA	NA	NA	NA	NA	NA
Wisconsin	673	502	379	921	0.53	0.57	0.09
Wyoming	58	170	176	251	NA	NA	NA
Total	4,482	16,628	30,313	NA	0.15	0.15	1.07

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.