

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

Contents

Highlights	1
Appendices	
A. Explanatory Notes	71
B. Data Sources	76
C. Statistical Considerations	80
D. Technical Contacts	86
Glossary	87

Tables

1. Summary of Natural Gas Production in the United States, 1997-2003	3
2. Supply and Disposition of Dry Natural Gas in the United States, 1997-2003	4
3. Natural Gas Consumption in the United States, 1997-2003	6
4. Selected National Average Natural Gas Prices, 1997-2003	8
5. U.S. Natural Gas Imports and Exports, 2001-2003	10
6. Summary of U.S. Natural Gas Imports and Exports, 1997-2001	14
7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, 1997-2003	15
8. Gross Withdrawals and Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, January 2003	18
9. Underground Natural Gas Storage - All Operators, 1997-2003	19
10. Underground Natural Gas Storage - by Season, 2001-2003	21
11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1997-2003	22
12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1997-2003	23
13. Net Withdrawals from Underground Storage, by State, 2001-2003	24
14. Activities of Underground Natural Gas Storage Operators, by State, March 2003	28
15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003	29
16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003	33
17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003	37

18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003.....	41
19. Natural Gas Deliveries to All Consumers, by State, 2001-2003.....	45
20. Average City Gate Price, by State, 2001-2003.....	49
21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2003	52
22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2001-2003	55
23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2001-2003	58
24. Average Price of Natural Gas Sold to Electric Utility Consumers, by State, 2001-2003	61
25. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, by State, 2001-2003	64
A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data.....	71
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, February 2003	85

Figures

1. Production, Consumption and Net Imports of Natural Gas in the United States, 2001-2003	5
2. Natural Gas Sold to Consumers in the United States, 2001-2003	7
3. Average Consumer Price of Natural Gas in the United States, 2001-2003	9
4. Average Price of Natural Gas in the United States, 2000-2003	9
5. Working Gas in Underground Natural Gas Storage in the United States, 2000-2003	20
6. Percentage of Total Deliveries Included in Commercial and Industrial Price Estimates, 2001-2003	72

Highlights

This issue of the *Natural Gas Monthly* (NGM) contains estimates of natural gas data through February 2003 for many data series at the national level. National-level natural gas prices are available through January 2003 (electric utilities), or February (residential, commercial, industrial, and wellhead). State-level data generally are available through February 2003, although underground storage data are available through March 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.

New source data for residential and commercial sector prices in five States:

EIA is enhancing its estimates of natural gas prices paid by end-users in the residential and commercial sectors in the States of Georgia, Maryland, New York, Ohio and Pennsylvania with data obtained from a survey of prices paid to natural gas marketers in those States. In fall 2001, EIA began collection of information on natural gas sales from marketers in five States that have active customer choice programs on EIA-910, "Monthly Natural Gas Marketer Survey." Information on the volume and revenue for natural gas commodity sales, and any receipts for distribution charges and taxes associated with the sale of natural gas were requested. At this time data from the five States are being used beginning with revised data for January 2002. The methodology for weighting and combining data from local distribution companies and marketers in the States is described in Appendix C.

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	€2,066	€325	€35	€7	€1,698	€78	€1,620
February	€1,857	€306	€28	€6	€1,517	€70	€1,447
March	€2,077	€335	€31	€7	€1,704	€79	€1,625
April	€1,985	€314	€30	€7	€1,634	€75	€1,558
May	€2,063	€318	€32	€7	€1,706	€79	€1,628
June	€2,002	€302	€31	€7	€1,663	€77	€1,586
July	€2,040	€280	€32	€7	€1,720	€79	€1,641
August	€2,039	€298	€31	€7	€1,702	€79	€1,624
September	€1,901	€278	€30	€7	€1,586	€73	€1,513
October	€1,985	€317	€32	€7	€1,629	€75	€1,554
November	€2,010	€285	€32	€7	€1,685	€78	€1,608
December	€2,104	€340	€33	€7	€1,724	€80	€1,644
Total	€24,130	€3,699	€378	€84	€19,969	€922	€19,047
2003							
January	RE2,111	RE332	€33	€7	RE1,739	€80	RE1,659
February	€1,894	€298	€29	€6	€1,560	€72	€1,488
2003 YTD	€4,005	€631	€62	€14	€3,299	€152	€3,147
2002 YTD	€3,923	€631	€63	€14	€3,215	€148	€3,067
2001 YTD	4,013	566	77	15	3,354	155	3,199

^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.

€ 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	R-29	R2,452
February	E1,447	E7	275	462	R-4	R2,187
March	E1,625	E8	294	320	R-27	R2,219
April	E1,558	E6	275	-126	R122	R1,836
May	E1,628	E6	279	-323	R-11	R1,579
June	E1,586	E5	272	-339	R28	R1,553
July	E1,641	E7	299	-239	R3	R1,711
August	E1,624	E6	309	-234	R-35	R1,671
September	E1,513	E6	288	-292	-15	1,500
October	E1,554	E7	301	-84	-170	1,607
November	E1,608	E7	275	198	R-237	R1,851
December	E1,644	E8	314	558	R-234	2,290
Total	E19,047	E80	3,491	447	R-610	R22,455
2003						
January	RE1,659	E8	E322	841	R-210	R2,620
February	E1,488	E4	E245	676	33	2,445
2003 YTD	E3,147	12	E566	1,517	-177	5,065
2002 YTD	E3,067	E14	583	1,008	-33	4,639
2001 YTD	3,199	16	649	857	264	4,985

^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.

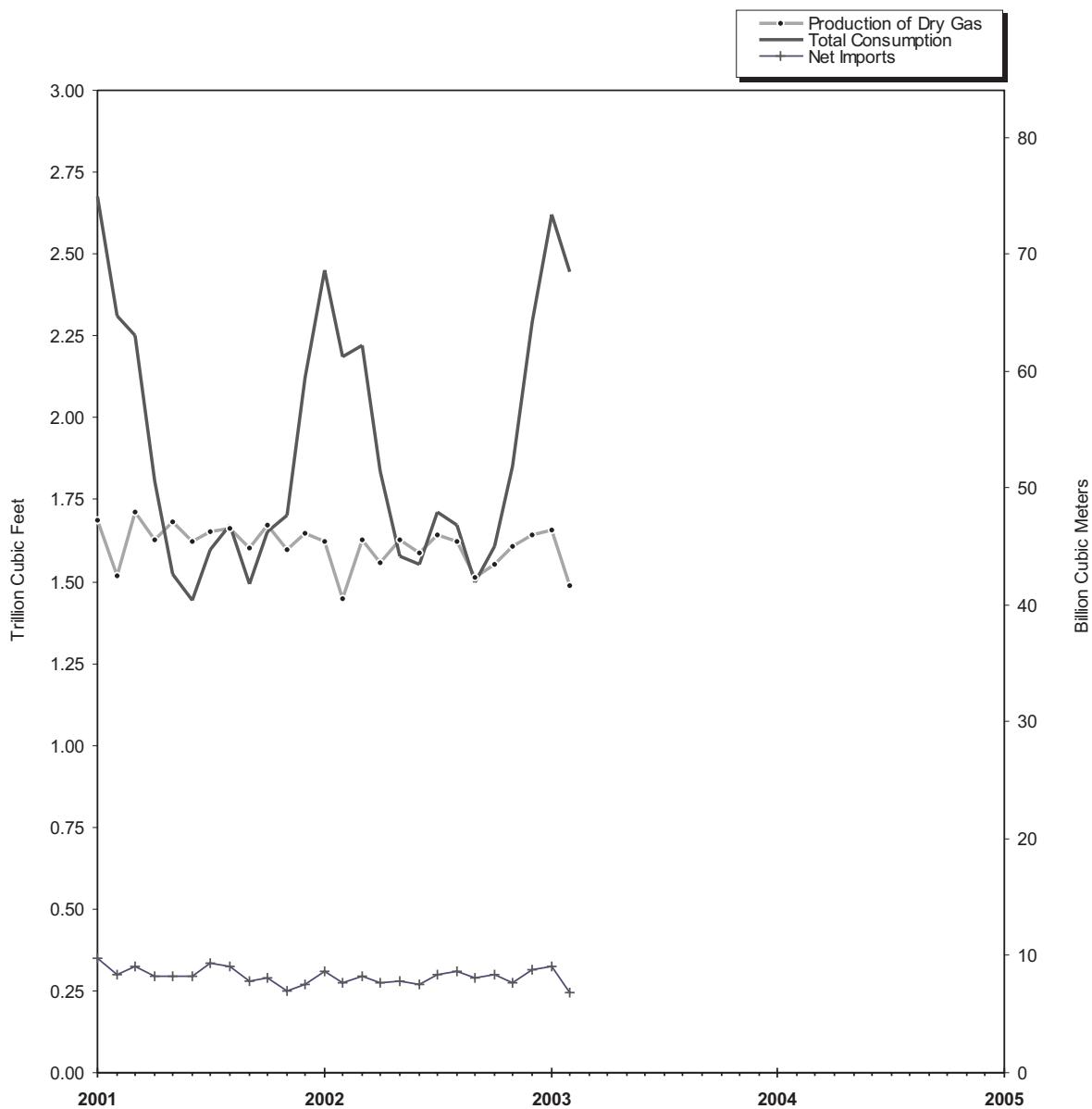
RE Revised Estimated Data.

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. 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	R823	R432	R661	377	1	R2,294	R2,452
February	E80	61	R706	R392	R604	341	1	R2,045	R2,187
March	E90	62	666	R372	R628	400	1	R2,067	R2,219
April	E86	51	419	R264	R615	399	1	R1,698	R1,836
May	E90	44	R258	R190	R585	410	1	R1,444	R1,579
June	E88	44	R163	R150	R566	541	1	R1,422	R1,553
July	E91	48	R127	R135	R583	725	1	R1,572	R1,711
August	E90	47	117	R139	R586	691	1	R1,534	R1,671
September	E84	42	125	R143	R551	555	1	R1,375	1,500
October	E86	45	250	R196	R593	436	1	1,476	1,607
November	E89	52	489	R295	R589	337	1	R1,711	R1,851
December	E91	64	R771	R405	R617	340	1	2,135	2,290
Total	E1,053	R630	R4,914	R3,114	R7,177	5,553	15	R20,773	R22,455
2003									
January	RE92	73	946	R492	R649	367	1	R2,455	R2,620
February	E82	69	884	469	611	329	1	2,294	2,445
2003 YTD^d	E174	142	1,830	960	1,260	696	2	4,749	5,065
2002 YTD^d	E169	130	1,529	824	1,265	718	2	4,339	4,639
2001 YTD^d	178	142	1,758	927	1,324	653	2	4,665	4,985

^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.

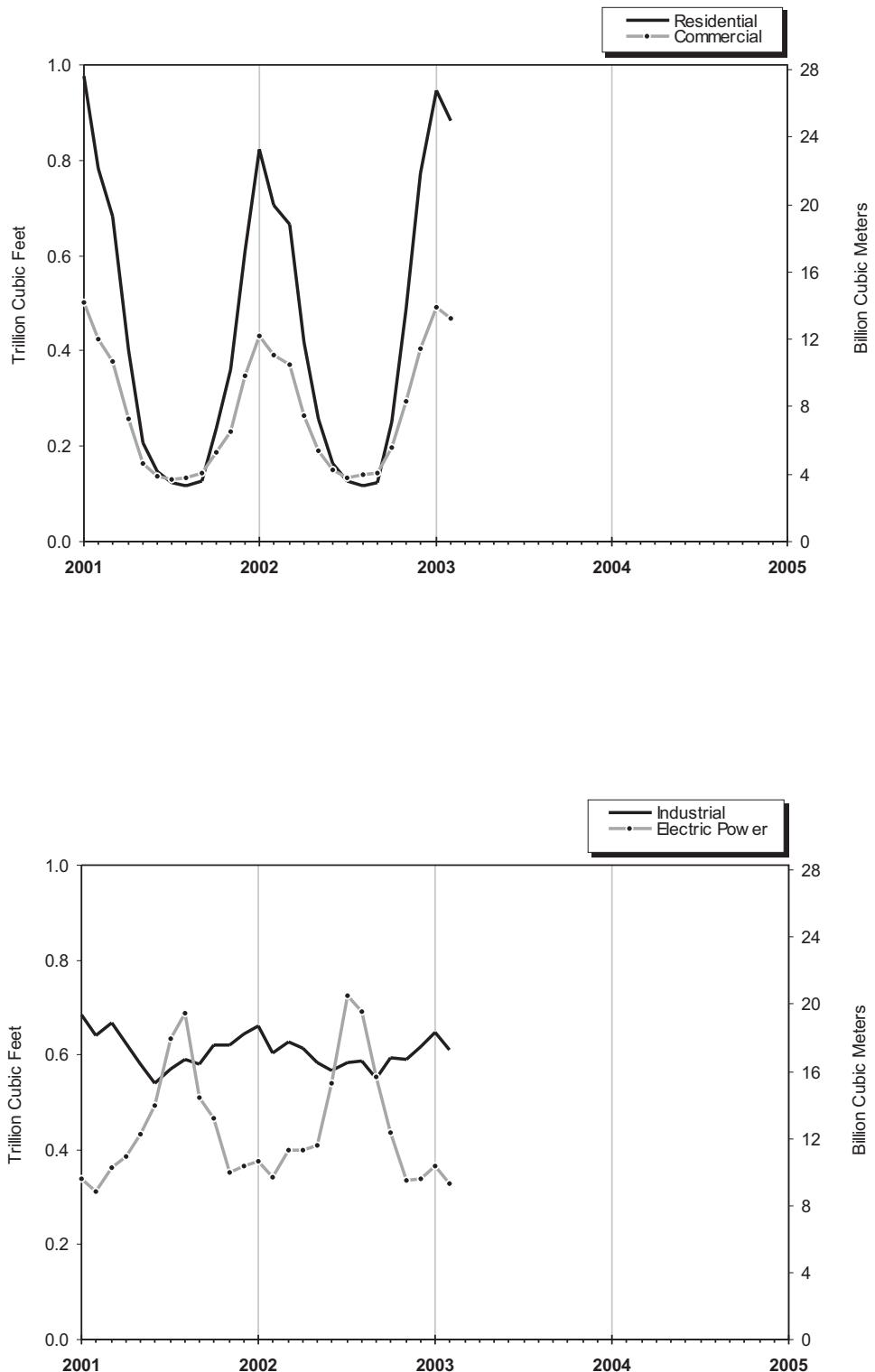
RE Revised Estimated Data.

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	4.03	£7.28	£6.48	£78.9	4.08	£17.5	3.31		
February	£2.14	£3.78	£7.27	£6.43	£79.1	3.73	£18.0	3.05		
March	£2.52	3.83	£7.05	£6.26	£79.5	3.88	£17.7	3.50		
April	£3.02	4.16	£7.64	£6.54	£75.8	3.67	£23.3	3.90		
May	£3.01	4.06	£8.54	£6.62	£73.0	4.05	£21.1	3.88		
June	£2.94	4.14	£9.56	£6.56	£72.2	3.86	£22.6	3.67		
July	£2.89	3.90	£10.15	£6.52	£71.8	3.78	£20.9	3.53		
August	£2.77	3.61	£10.41	£6.40	£69.6	3.64	19.5	3.47		
September	£2.98	4.07	£10.19	£6.45	£68.8	3.86	£19.7	3.76		
October	£3.35	4.28	£8.56	£6.52	£72.8	4.13	£18.9	4.26		
November	£3.59	4.58	£7.98	£6.74	£79.1	4.66	£19.6	4.49		
December	£3.84	£4.63	£7.77	£7.04	£80.2	£4.82	£20.8	4.85		
Annual Average	£2.95	£4.12	£7.85	£6.56	£76.7	4.01	£19.9	3.77		
2003										
January	£4.47	5.01	£7.99	£7.29	£81.3	5.27	£22.8	5.12		
February	£5.45	5.71	8.40	7.83	78.8	6.14	22.0	NA		
2003 YTD^c	£4.96	5.33	8.19	7.55	80.1	5.68	22.4	NA		
2002 YTD^c	£2.25	3.91	7.28	6.46	79.0	3.91	17.7	3.18		
2001 YTD^c	5.95	8.09	10.18	9.63	72.2	8.04	21.9	8.43		

^a See Appendix A, Explanatory Note 10, for discussion of wellhead prices.

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

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

^R Revised Data.

^E Estimated Data.

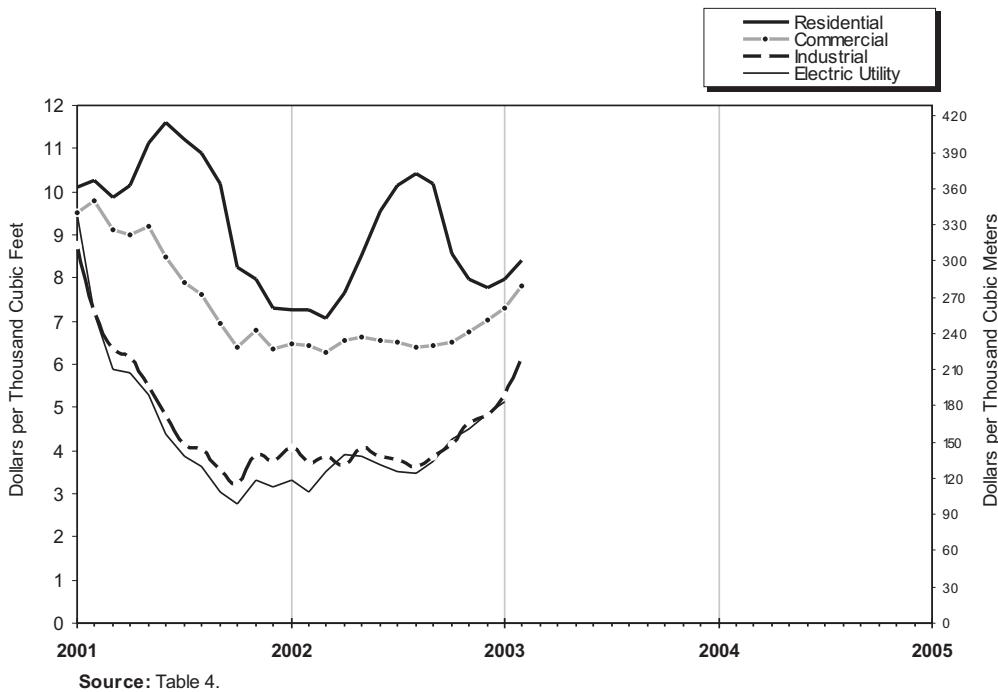
NA Not Available.

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

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

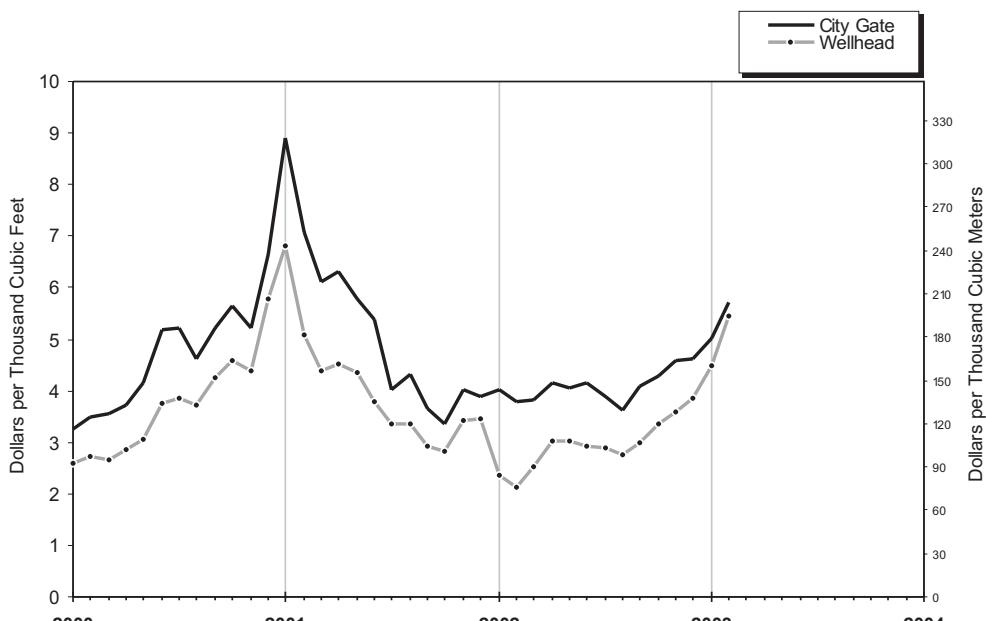
Figures 3 and 4

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



Source: Table 4.

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



Source: Table 4.

Table 5

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

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

	YTD 2003	YTD 2002	YTD 2001	2003					
				March	February	January			
Imports									
Volume (million cubic feet)									
Pipeline									
Canada ^a	923,711	952,699	990,884	294,745	284,453	344,512			
Mexico	€1,017	1,755	5,037	€0	€0	€1,017			
Total Pipeline Imports	€924,728	954,454	995,921	€294,745	€284,453	€345,530			
LNG									
Algeria	2,778	2,726	20,283	2,778	0	0			
Australia	0	0	0	0	0	0			
Brunei	0	0	0	0	0	0			
Indonesia	0	0	0	0	0	0			
Malaysia	0	0	0	0	0	0			
Nigeria	0	0	10,081	0	0	0			
Oman	0	0	2,738	0	0	0			
Qatar	1,871	0	2,400	1,871	0	0			
Trinidad	68,660	23,040	28,046	26,353	21,011	21,296			
United Arab Emirates	0	0	0	0	0	0			
Total LNG Imports	73,309	25,766	63,549	31,002	21,011	21,296			
Total Imports	€998,037	980,220	1,059,470	€325,747	€305,464	€366,825			
Average Price (dollars per thousand cubic feet)									
Pipeline									
Canada	NA	2.54	7.25	NA	NA	NA			
Mexico	NA	2.36	6.50	-	-	NA			
Total Pipeline Imports	NA	2.54	7.24	NA	NA	NA			
LNG									
Algeria	NA	3.77	5.29	NA	-	-			
Australia	-	-	-	-	-	-			
Brunei	-	-	-	-	-	-			
Indonesia	-	-	-	-	-	-			
Malaysia	-	-	-	-	-	-			
Nigeria	-	-	8.07	-	-	-			
Oman	-	-	8.70	-	-	-			
Qatar	NA	-	3.17	NA	-	-			
Trinidad	NA	3.02	5.62	NA	NA	NA			
United Arab Emirates	-	-	-	-	-	-			
Total LNG Imports	NA	3.10	5.94	NA	NA	NA			
Total Imports	NA	2.56	7.16	NA	NA	NA			
Exports									
Volume (million cubic feet)									
Pipeline									
Canada	91,728	46,365	46,334	41,598	32,265	17,865			
Mexico	€69,340	41,544	23,231	€23,113	€23,113	€23,113			
Total Pipeline Exports	€161,068	87,910	69,565	€64,711	€55,379	€40,979			
LNG									
Japan	15,392	14,979	14,853	5,565	5,569	4,259			
Mexico	NA	127	131	NA	NA	NA			
Total LNG Exports	15,392	15,106	14,984	5,565	5,569	4,259			
Total Exports	€176,460	103,015	84,549	€70,275	€60,947	€45,237			
Average Price dollars per thousand cubic feet)									
Pipeline									
Canada	NA	2.40	5.39	NA	NA	NA			
Mexico	NA	2.57	7.95	NA	NA	NA			
Total Pipeline Exports	NA	2.48	6.25	NA	NA	NA			
LNG									
Japan	NA	4.00	4.70	NA	NA	NA			
Mexico	NA	5.82	5.82	NA	NA	NA			
Total LNG Exports	NA	4.02	4.71	NA	NA	NA			
Total Exports	NA	2.70	5.97	NA	NA	NA			
Net Imports - Volume	€821,577	877,204	974,920	€255,472	€244,517	€321,588			

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					
	Total	December	November	October	September	August
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	3,777,032	348,952	308,220	315,486	318,108	331,234
Mexico	1,755	0	0	0	0	0
Total Pipeline Imports	3,778,786	348,952	308,220	315,486	318,108	331,234
LNG						
Algeria	26,584	2,636	2,636	0	0	0
Australia	0	0	0	0	0	0
Brunei	2,401	0	0	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	2,423	0	0	0	0	0
Nigeria	8,123	0	0	5,403	0	2,720
Oman	3,013	0	0	0	0	3,013
Qatar	35,081	0	0	0	2,517	2,644
Trinidad	151,104	17,512	19,169	22,018	14,369	15,796
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	228,730	20,147	21,804	27,421	16,886	24,174
Total Imports	4,007,516	369,099	330,025	342,907	334,994	355,408
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	3.13	4.19	4.06	3.58	3.05	2.67
Mexico	2.36	-	-	-	-	-
Total Pipeline Imports	3.13	4.19	4.06	3.58	3.05	2.67
LNG						
Algeria	3.61	4.20	4.07	-	-	-
Australia	-	-	-	-	-	-
Brunei	2.82	-	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	3.43	-	-	-	-	-
Nigeria	3.21	-	-	3.01	-	3.61
Oman	3.34	-	-	-	-	3.34
Qatar	3.39	-	-	-	3.59	3.16
Trinidad	3.43	4.42	3.85	3.52	3.30	3.06
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	3.43	4.39	3.88	3.42	3.34	3.17
Total Imports	3.15	4.20	4.05	3.57	3.06	2.70
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	189,313	26,005	27,678	10,182	13,471	11,983
Mexico	263,078	23,113	21,264	26,314	27,482	28,922
Total Pipeline Exports	452,391	49,118	48,942	36,495	40,952	40,905
LNG						
Japan	63,439	5,660	5,609	5,571	5,583	5,583
Mexico	403	43	37	43	28	24
Total LNG Exports	63,842	5,703	5,647	5,614	5,611	5,607
Total Exports	516,233	54,821	54,589	42,109	46,563	46,511
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	3.34	4.33	4.33	3.78	3.23	2.59
Mexico	3.30	4.26	4.03	3.58	3.25	2.92
Total Pipeline Exports	3.32	4.30	4.20	3.64	3.24	2.82
LNG						
Japan	4.07	4.33	4.29	4.27	4.29	4.25
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	4.08	4.34	4.30	4.28	4.30	4.26
Total Exports	3.41	4.30	4.21	3.72	3.37	3.00
Net Imports - Volume	3,491,283	314,278	275,436	300,798	288,431	308,896

See footnotes at end of table.

Table 5

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

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

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

See footnotes at end of table.

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

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

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

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

^e Estimated Data.

^{NA} Not Available.

[—] Not Applicable.

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

Table 6

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

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

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

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

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

— Not Applicable.

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

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

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

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	€136,774	4,607	€141,591

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	£23,889	132,380	£83,288	£408,739	£1,738,956

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

R Revised Data.

E Estimated Data.

RE Revised Estimated Data.

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

unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 2 for discussion of computation procedures and revision policy.

Sources: 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001* and Minerals Management Service reports. January 2002 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8. Gross Withdrawals and Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, January 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	32,565	478	33,043	449	1,716	114	30,763
Alaska	18,023	303,077	321,101	278,302	0	570	42,229
Arizona	22	0	22	0	0	0	22
California	8,177	24,502	32,680	2,326	309	150	29,894
Colorado	€45,312	€7,376	€52,689	€527	0	€66	€52,096
Florida	0	267	267	0	31	0	236
Kansas	36,066	0	36,066	61	0	36	35,969
Louisiana	€108,894	€20,047	€128,941	€1,084	0	€880	€126,977
Michigan	€19,861	€4,965	€24,827	€175	0	€248	€24,403
Mississippi	13,104	440	13,544	509	1,752	293	10,990
Montana	6,315	620	6,935	0	0	33	6,902
New Mexico	€120,577	€17,997	€138,574	€1,603	0	€197	€136,774
North Dakota	1,236	3,579	4,815	0	11	197	4,607
Oklahoma	€128,002	€13,589	€141,591	€0	€0	€0	€141,591
Oregon	€168	0	€168	0	0	0	€168
Texas	€400,920	€97,011	€497,930	€37,506	€11,314	€2,071	€447,039
Utah	€22,343	€2,507	€24,850	€36	0	€925	€23,889
Wyoming	144,116	16,466	160,581	9,891	17,106	1,204	132,380
Other States	€81,232	€2,728	€83,960	0	€499	€174	€83,288
Federal Gulf of Mexico	€408,739	€0	€408,739	€0	€0	€0	€408,739
Total	€1,595,673	€515,650	€2,111,323	€332,471	€32,736	€7,160	€1,738,956

^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

^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.

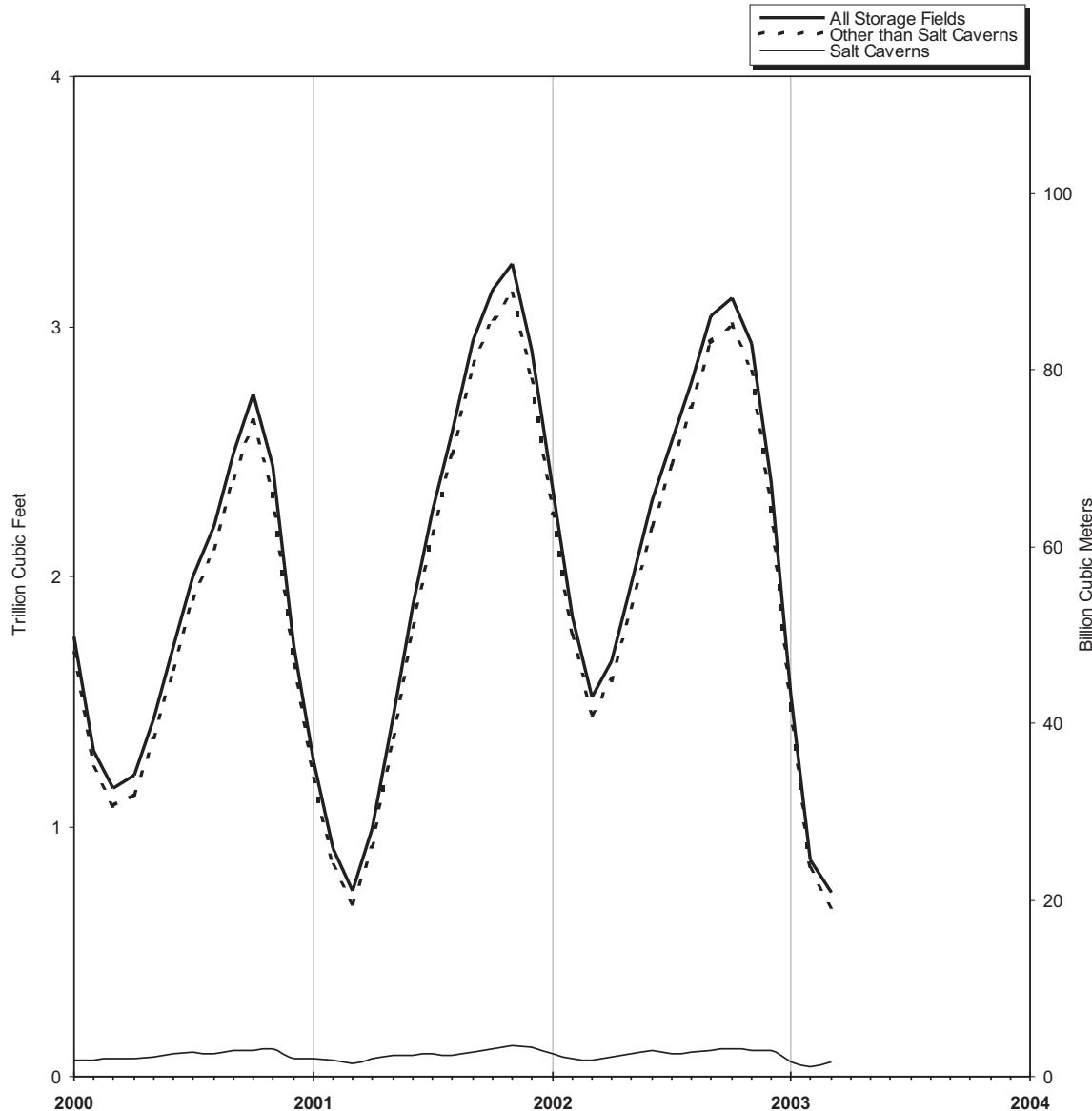
Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion

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

^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

^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

^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			
	March	February	January	Total	December	November	October
Alabama	-456	-420	1,789	-560	142	-396	-128
Arkansas	341	1,409	1,836	369	870	164	-19
California	10,536	49,464	33,248	15,006	42,090	-3,132	-8,108
Colorado	2,924	8,432	4,213	1,136	2,050	-216	860
Illinois	11,028	50,338	70,407	18,753	52,256	19,257	-29,678
Indiana	1,946	5,301	7,519	1,502	3,787	-35	-2,819
Iowa	4,895	13,459	21,778	4,260	19,193	-3,202	-12,941
Kansas	-4,997	20,396	25,657	18,212	15,396	10,896	2,224
Kentucky	3,213	17,123	21,305	9,663	9,187	4,857	-1,870
Louisiana	7,692	55,201	66,838	35,910	33,271	30,071	-6,114
Maryland	-124	4,003	4,738	-701	416	80	143
Michigan	42,692	128,637	157,642	100,037	97,960	46,438	-12,987
Minnesota	199	504	659	4	6	-85	-198
Mississippi	-8,327	7,791	16,204	2,987	3,567	-381	1,973
Missouri	170	555	1,218	-413	-118	-272	-294
Montana	3,666	4,732	4,353	-5,924	3,473	1,917	69
Nebraska	504	1,512	1,170	1,104	762	55	0
New Mexico	184	1,728	424	8,646	1,915	1,324	706
New York	5,993	17,730	22,151	12,907	15,589	3,803	-1,638
Ohio	10,463	43,314	62,002	27,849	46,655	17,321	-6,959
Oklahoma	13,335	32,780	38,560	36,056	22,334	9,679	3,302
Oregon	2,426	2,367	2,570	-1,684	1,198	-918	-503
Pennsylvania	9,238	77,271	119,623	50,587	75,625	9,413	-4,996
Tennessee	68	110	62	69	0	88	2
Texas	5,851	72,434	77,260	71,631	51,254	31,438	-9,965
Utah	1,240	8,305	7,036	-2,187	7,272	3,375	401
Virginia	179	496	978	393	488	274	-222
Washington	-624	7,520	3,221	-362	1,092	-1,335	1,698
West Virginia	5,161	37,668	61,978	43,394	44,494	14,592	3,632
Wyoming	4,899	5,576	4,741	-1,250	5,800	2,629	291
AGA Regions							
Producing	13,624	191,320	228,568	173,250	128,748	82,796	-8,020
Eastern Consuming	95,425	397,516	552,572	269,404	366,294	112,668	-70,626
Western Consuming	25,265	86,900	60,042	4,737	62,981	2,236	-5,490
Total	134,315	675,736	841,183	447,391	558,024	197,700	-84,135

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						
	September	August	July	June	May	April	March
Alabama	-64	-97	-250	2	-100	-257	271
Arkansas	-393	-390	-340	-463	-504	-47	235
California	-4,707	300	-7,074	-12,551	-20,711	-20,680	5,245
Colorado	-4,010	-6,603	-3,949	-3,290	700	-2,247	5,766
Illinois	-38,523	-36,355	-28,449	-37,470	-26,234	8,790	26,990
Indiana	-3,096	-2,706	-3,524	-2,988	-1,452	1,997	3,589
Iowa	-12,563	-12,477	-12,189	-4,981	-701	363	7,122
Kansas	-11,061	-9,211	-2,974	-11,587	-17,806	-6,721	12,651
Kentucky	-6,208	-5,606	-4,142	-7,907	-9,766	400	10,669
Louisiana	-37,513	-13,157	-6,555	-19,113	-33,062	-11,352	18,770
Maryland	44	-2,104	-2,618	-2,504	-780	427	2,121
Michigan	-49,663	-54,020	-51,389	-58,362	-39,468	-10,433	74,426
Minnesota	-299	-288	-276	0	0	134	375
Mississippi	89	-4,789	-2,822	-6,879	-8,184	-1,528	4,016
Missouri	-781	-1,096	18	13	10	215	1,089
Montana	-4,292	-5,185	-6,590	-3,915	-1,879	707	3,605
Nebraska	-922	-705	238	-601	-1,036	-261	1,628
New Mexico	-486	755	366	1,211	-1,304	87	1,131
New York	-5,554	-5,554	-7,710	-11,015	-6,751	-1,459	7,783
Ohio	-22,382	-27,004	-30,971	-32,067	-25,799	-9,911	33,060
Oklahoma	-6,868	2,172	-985	-13,006	-25,468	-13,141	13,099
Oregon	-690	-2,120	-2,679	-3,182	491	1,648	2,859
Pennsylvania	-37,856	-24,677	-29,850	-49,766	-41,830	-16,389	46,264
Tennessee	3	4	15	2	7	0	-1
Texas	-19,950	9,023	-142	-14,881	-23,862	-25,965	10,269
Utah	-3,633	-6,336	-6,807	-7,112	-7,913	-3,510	2,811
Virginia	-301	-146	-274	-289	-537	-160	383
Washington	-1,487	-956	-620	-2,918	-4,057	-3,810	849
West Virginia	-16,735	-20,483	-22,527	-29,037	-22,101	-10,731	20,896
Wyoming	-1,837	-3,702	-4,164	-3,920	-2,877	-2,081	2,175
AGA Regions							
Producing	-76,245	-15,694	-13,701	-64,716	-110,290	-58,923	60,442
Eastern Consuming	-194,538	-192,929	-193,372	-236,972	-176,437	-37,154	236,020
Western Consuming	-20,955	-24,891	-32,159	-36,888	-36,245	-29,838	23,685
Total	-291,738	-233,514	-239,233	-338,575	-322,972	-125,916	320,146

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				
	February	January	Total	December	November	October	September
Alabama	108	210	-1,499	-14	-522	-293	-366
Arkansas	770	486	-2,874	513	-87	-338	-579
California	4,939	39,393	-64,674	25,035	616	-14,716	-9,559
Colorado	7,182	4,892	-7,080	1,520	-106	706	-5,115
Illinois	49,634	58,536	-25,587	46,435	-726	-25,879	-33,020
Indiana	4,666	4,084	-5,910	3,832	-2,310	-4,094	-4,087
Iowa	15,015	21,622	-21,435	17,655	-3,054	-11,915	-13,993
Kansas	17,130	19,274	-45,586	12,165	-4,343	-1,160	-17,194
Kentucky	11,384	8,665	-38,209	6,123	-52	-5,254	-9,115
Louisiana	39,103	41,561	-150,239	23,713	-20,241	-11,123	-34,949
Maryland	1,352	2,722	-5,307	1,508	-71	-1,349	-1,221
Michigan	73,014	84,521	-203,022	65,526	-8,403	-41,694	-75,897
Minnesota	332	304	-713	3	-135	-174	-232
Mississippi	8,337	9,588	-20,286	4,212	-2,502	1,082	-4,069
Missouri	825	-24	-799	266	-255	-247	-348
Montana	2,765	3,400	-9,198	3,874	496	-1,576	-4,853
Nebraska	679	1,267	-2,349	831	-45	-361	-1,250
New Mexico	1,655	1,285	-9,425	651	-1,107	-206	-932
New York	10,978	14,435	-17,144	8,569	-1,338	-3,375	-6,342
Ohio	44,426	41,480	-62,723	30,969	2,925	-9,862	-26,448
Oklahoma	20,976	23,962	-87,215	11,048	-2,691	-3,992	-17,988
Oregon	787	1,424	-2,619	1,572	-766	0	-845
Pennsylvania	62,974	61,675	-93,763	48,276	-9,610	-18,104	-39,316
Tennessee	-1	-50	-337	1	-30	-100	-62
Texas	27,590	36,821	-172,746	-55	-15,137	-21,142	-28,804
Utah	7,407	11,857	-12,738	9,554	3,157	-291	-7,384
Virginia	677	500	-1,341	277	-27	-32	-271
Washington	4,145	7,037	-2,821	-102	145	1,030	-1,450
West Virginia	39,632	41,761	-79,233	25,054	-5,366	-12,943	-22,526
Wyoming	3,197	3,239	-8,701	2,853	-1,031	-2,112	-3,717
AGA Regions							
Producing	115,667	133,186	-489,871	52,233	-46,629	-37,173	-104,882
Eastern Consuming	315,254	341,195	-557,160	255,322	-28,361	-135,210	-233,897
Western Consuming	30,755	71,547	-108,544	44,308	2,376	-17,133	-33,154
Total	461,676	545,928	-1,155,575	351,862	-72,614	-189,516	-371,933

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					
	August	July	June	May	April	March
Alabama	-113	-154	-576	44	-195	604
Arkansas	-505	-740	-879	-992	-603	143
California	-11,195	-21,278	-29,695	-29,927	-17,513	-15,032
Colorado	-4,593	-4,214	-4,099	-2,326	631	1,782
Illinois	-23,439	-20,310	-25,516	-30,499	-12,124	14,166
Indiana	-2,954	-3,719	-3,189	-1,382	1,382	2,669
Iowa	-13,804	-10,345	-6,250	-5,752	-3,039	3,819
Kansas	-7,456	-6,314	-13,667	-14,194	-11,148	5,157
Kentucky	-6,489	-10,109	-13,052	-12,071	-4,201	6,806
Louisiana	-13,447	-28,898	-42,731	-40,248	-21,920	7,263
Maryland	409	-2,644	-3,170	-2,714	-1,468	1,073
Michigan	-79,599	-87,304	-81,678	-72,160	-36,343	43,166
Minnesota	-266	-329	-319	-152	21	139
Mississippi	-1,981	-5,353	-6,263	-9,215	-8,549	10,941
Missouri	-589	13	-1,063	17	-43	1,288
Montana	-4,966	-5,524	-4,034	-2,902	-5	1,622
Nebraska	-364	-339	-956	-1,908	-1,077	573
New Mexico	6	83	-430	-2,718	-1,640	-1,925
New York	-6,260	-10,236	-11,216	-13,547	-6,631	8,165
Ohio	-32,365	-37,999	-32,405	-33,196	-15,810	22,798
Oklahoma	-8,939	-13,729	-28,981	-35,265	-26,701	622
Oregon	-1,860	-2,295	-2,561	-2,151	810	962
Pennsylvania	-25,643	-51,167	-55,953	-67,098	-43,294	47,115
Tennessee	-47	-63	-31	-113	-103	69
Texas	-23,960	-20,644	-34,494	-40,915	-42,953	3,787
Utah	-5,941	-7,179	-6,356	-7,249	-4,432	-2,814
Virginia	-322	-244	-402	-532	-434	39
Washington	-1,343	372	-200	-8,283	-2,300	592
West Virginia	-25,976	-31,342	-28,873	-39,574	-18,286	16,567
Wyoming	-3,169	-2,899	-1,812	-2,070	-1,080	525
AGA Regions						
Producing	-56,394	-75,749	-128,023	-143,503	-113,709	26,592
Eastern Consuming	-217,442	-265,806	-263,754	-280,526	-141,471	168,313
Western Consuming	-33,334	-43,346	-49,075	-55,061	-23,869	-12,224
Total	-307,170	-384,901	-440,851	-479,091	-279,050	182,681

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, March 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	2,465	1,373	3,837	-476	-25.7	564	108
Arkansas	22,000	8,715	2,784	11,499	-2,465	-47.0	245	587
California	474,920	233,693	89,718	323,412	-57,488	-39.1	5,941	16,476
Colorado	100,227	47,655	19,160	66,815	1,022	5.6	2,597	5,520
Illinois	898,565	670,938	67,106	738,044	-19,673	-22.7	11,560	22,589
Indiana	112,467	79,080	12,725	91,805	-4,088	-24.3	838	2,784
Iowa	273,200	199,550	7,033	206,583	1,534	27.9	665	5,560
Kansas	301,502	178,745	25,991	204,735	-10,527	-28.8	13,006	8,009
Kentucky	220,597	139,796	17,072	156,868	-20,712	-54.8	3,002	6,215
Louisiana	576,841	269,685	61,871	331,556	-92,550	-59.9	17,673	25,365
Maryland	62,000	46,677	5,223	51,900	-1,720	-24.8	2,653	2,529
Michigan	1,075,261	434,495	70,815	505,310	-193,480	-73.2	10,567	53,259
Minnesota	7,000	4,840	789	5,629	-355	-31.0	0	199
Mississippi	144,787	80,375	28,362	108,737	-2,230	-7.3	11,103	2,777
Missouri	31,992	21,600	8,542	30,142	361	4.4	446	617
Montana	374,125	179,487	14,929	194,417	2,982	25.0	2,023	5,689
Nebraska	39,469	26,995	1,874	28,868	-715	-27.6	417	920
New Mexico	96,600	29,766	7,021	36,786	-1,902	-21.3	974	1,158
New York	189,267	99,026	20,143	119,169	-16,310	-44.7	1,782	7,775
Ohio	575,959	348,309	13,095	361,403	-27,391	-67.7	7,334	17,796
Oklahoma	382,037	204,498	21,081	225,579	-57,984	-73.3	4,193	17,528
Oregon	22,042	9,714	5,290	15,004	204	4.0	0	2,426
Pennsylvania	950,148	339,700	81,147	420,846	-90,680	-52.8	27,963	37,200
Tennessee	1,200	340	226	566	-424	-65.2	0	68
Texas	723,922	243,515	85,320	328,834	-150,022	-63.7	28,473	34,325
Utah	129,480	64,703	20,589	85,292	7,680	59.5	1,842	3,081
Virginia	2,992	2,387	367	2,754	-600	-62.0	70	249
Washington	37,720	19,597	6,523	26,120	1,580	32.0	2,383	1,759
West Virginia	497,996	272,442	25,905	298,347	-41,040	-61.3	10,282	15,443
Wyoming	105,869	64,730	12,916	77,646	-5,336	-29.2	100	4,999
AGA Regions								
Producing	2,252,968	1,017,762	233,802	1,251,564	-318,157	-57.6	76,231	89,855
Eastern Consuming	4,931,114	2,681,334	331,272	3,012,607	-414,939	-55.6	77,579	173,004
Western Consuming	1,251,382	624,419	169,915	794,334	-49,710	-22.6	14,885	40,151
Total	8,435,463	4,323,515	734,989	5,058,505	-782,805	-51.6	168,696	303,010

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The EIA publishes weekly estimates of working gas in underground storage by geographical regions developed by the American Gas Association (AGA) when they published similar weekly estimates. The AGA Producing Region

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

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

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

State	YTD 2003	YTD 2002	YTD 2001	2003		2002
				February	January	Total
Alabama	20,266	16,535	22,471	9,811	10,454	44,311
Alaska	3,921	4,123	3,713	1,705	2,216	NA
Arizona	11,762	14,258	13,868	4,836	6,926	35,631
Arkansas	NA	15,269	14,491	NA	NA	NA
California	NA	143,641	157,296	60,278	NA	NA
Colorado	37,854	41,300	42,446	19,901	17,952	NA
Connecticut	16,795	NA	14,601	8,437	8,359	NA
Delaware	4,201	3,082	3,580	1,995	2,206	9,105
District of Columbia	6,092	4,311	5,357	2,677	3,415	14,055
Florida	5,936	4,409	5,936	2,867	3,069	15,220
Georgia	50,365	41,791	44,387	20,574	29,792	R127,872
Hawaii	102	97	91	50	51	539
Idaho	5,795	6,892	6,963	2,765	3,030	20,380
Illinois	178,592	136,249	158,090	82,312	96,280	465,543
Indiana	64,625	48,539	57,957	29,190	35,434	155,738
Iowa	NA	22,269	27,946	NA	13,968	71,486
Kansas	NA	24,473	30,008	NA	16,114	71,002
Kentucky	26,863	19,476	21,586	12,058	14,805	60,304
Louisiana	NA	16,020	21,067	NA	12,007	NA
Maine	377	279	329	177	199	NA
Maryland	34,245	24,758	29,592	16,217	18,028	R80,447
Massachusetts	NA	33,657	39,084	23,246	NA	NA
Michigan	137,592	108,809	121,166	67,295	70,297	364,741
Minnesota	49,818	37,379	45,778	23,991	25,826	NA
Mississippi	NA	9,789	12,947	NA	5,600	NA
Missouri	46,033	39,953	50,314	23,460	22,573	115,721
Montana	6,201	6,112	6,621	2,978	3,222	21,605
Nebraska	15,331	14,949	17,916	7,468	7,863	43,033
Nevada	9,993	11,513	10,961	4,563	5,431	32,003
New Hampshire	NA	2,100	2,389	1,433	NA	NA
New Jersey	89,339	64,602	76,034	43,657	45,683	208,910
New Mexico	NA	12,259	14,018	NA	NA	33,183
New York	NA	111,573	130,727	NA	R71,105	R375,601
North Carolina	27,780	21,482	24,266	13,197	R14,583	58,973
North Dakota	4,092	3,292	3,677	1,970	2,122	NA
Ohio	130,860	101,507	116,130	62,676	R68,185	R324,416
Oklahoma	25,886	23,867	28,544	12,990	12,897	65,758
Oregon	11,031	12,576	12,263	5,064	5,968	38,866
Pennsylvania	100,794	73,017	90,545	49,505	51,289	R237,640
Rhode Island	6,897	5,573	6,437	3,707	3,191	R19,239
South Carolina	14,342	10,558	12,946	6,502	7,840	27,757
South Dakota	4,559	3,749	4,351	2,132	2,427	12,861
Tennessee	33,883	27,115	31,631	16,056	17,827	71,279
Texas	NA	72,091	86,719	NA	45,416	NA
Utah	16,637	19,799	18,172	8,463	8,174	58,895
Vermont	1,084	860	991	580	504	2,761
Virginia	35,097	24,649	29,204	15,915	19,182	77,001
Washington	NA	22,160	22,068	NA	10,385	73,752
West Virginia	NA	11,677	11,983	NA	NA	R32,550
Wisconsin	51,228	38,875	45,025	23,499	27,729	136,129
Wyoming	3,898	3,804	3,683	1,754	2,145	NA
Total	1,830,351	1,529,042	1,758,366	884,306	R946,045	R4,914,338

See footnotes at end of table.

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

State	2002					
	December	November	October	September	August	July
Alabama	7,294	2,750	1,166	1,075	1,067	1,094
Alaska	2,144	1,448	1,255	856	612	436
Arizona	4,375	2,095	1,329	1,109	1,048	1,108
Arkansas	NA	NA	NA	NA	NA	NA
California	NA	36,675	31,457	23,154	23,498	24,896
Colorado	19,113	15,201	9,670	3,487	2,491	2,556
Connecticut	6,576	4,382	1,797	981	972	819
Delaware	1,492	823	262	171	162	191
District of Columbia	2,737	1,801	895	333	314	314
Florida	1,928	938	749	743	725	779
Georgia	R25,175	R15,904	R5,610	R3,679	R3,598	R3,707
Hawaii	48	46	36	44	42	45
Idaho	2,740	2,149	866	457	360	391
Illinois	74,419	52,978	29,433	10,088	9,170	9,527
Indiana	26,877	15,529	7,634	2,871	2,953	2,634
Iowa	11,126	7,625	3,960	1,417	1,408	1,322
Kansas	10,617	7,335	2,418	1,413	1,352	1,463
Kentucky	12,830	7,056	3,069	1,089	1,103	1,032
Louisiana	8,047	NA	1,840	1,737	1,646	1,759
Maine	169	103	66	26	26	25
Maryland	R16,143	R9,715	R5,034	1,931	R1,640	R1,635
Massachusetts	NA	10,449	4,432	2,706	2,334	3,231
Michigan	56,234	37,918	17,768	7,238	6,428	7,505
Minnesota	20,302	15,925	10,147	3,314	NA	2,998
Mississippi	4,052	NA	769	683	682	717
Missouri	17,994	10,955	4,087	2,389	2,075	2,353
Montana	2,831	2,262	1,453	560	451	454
Nebraska	6,219	4,217	1,698	881	735	893
Nevada	4,226	2,603	1,428	1,081	940	1,033
New Hampshire	NA	R665	279	169	145	225
New Jersey	36,647	21,943	10,021	5,117	4,635	4,968
New Mexico	4,850	2,661	1,138	830	810	817
New York	R54,155	R33,846	R15,993	R9,721	R9,188	R11,004
North Carolina	10,941	6,327	2,060	1,045	889	1,019
North Dakota	1,692	1,287	1,046	282	NA	195
Ohio	R53,474	R31,831	R16,314	R6,057	R6,084	R7,578
Oklahoma	8,917	4,911	1,658	1,324	1,549	1,711
Oregon	5,167	3,424	1,436	931	840	993
Pennsylvania	R40,690	R24,408	R11,310	R5,155	R4,465	R5,177
Rhode Island	R2,621	2,204	625	431	424	476
South Carolina	5,315	2,040	610	499	482	538
South Dakota	1,693	1,487	930	284	239	224
Tennessee	12,749	5,712	1,860	1,131	1,089	1,196
Texas	32,982	NA	9,325	6,207	6,400	6,736
Utah	8,257	6,702	4,475	2,001	1,412	1,412
Vermont	385	274	98	63	58	64
Virginia	15,315	9,465	4,325	1,585	1,635	1,519
Washington	9,204	6,861	3,158	1,893	1,675	1,972
West Virginia	R5,256	R3,325	R1,541	R544	R444	R532
Wisconsin	20,800	15,669	9,616	2,875	2,656	2,587
Wyoming	1,844	1,372	885	396	183	NA
Total	R771,346	R488,956	R250,103	R124,547	R116,860	R127,300

See footnotes at end of table.

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

State	2002					
	June	May	April	March	February	January
Alabama	1,376	1,606	3,315	7,033	7,640	8,895
Alaska	NA	989	1,453	2,185	1,998	2,125
Arizona	1,384	1,718	2,678	4,531	6,659	7,599
Arkansas	NA	NA	NA	NA	7,325	7,944
California	26,372	34,653	43,114	58,010	64,134	79,507
Colorado	2,635	5,094	NA	17,031	19,643	21,658
Connecticut	1,259	2,022	3,702	4,736	NA	6,197
Delaware	265	460	909	1,286	1,385	1,697
District of Columbia	347	559	798	1,648	1,988	2,324
Florida	836	909	1,252	1,954	1,893	2,516
Georgia	R3,766	R4,895	R5,842	R13,905	R19,447	R22,343
Hawaii	41	44	49	48	48	49
Idaho	697	1,237	1,795	2,797	3,442	3,450
Illinois	12,241	23,423	42,614	65,402	64,032	72,217
Indiana	4,167	8,643	14,105	21,786	21,741	26,798
Iowa	1,864	3,521	6,509	10,467	10,288	11,981
Kansas	1,988	2,965	6,316	10,662	11,197	13,277
Kentucky	1,129	1,691	3,667	8,162	9,346	10,130
Louisiana	2,355	2,071	4,000	NA	7,697	8,322
Maine	NA	49	88	134	138	141
Maryland	R2,059	R3,088	4,739	R9,705	R11,885	R12,873
Massachusetts	4,519	6,854	10,259	14,639	16,360	17,297
Michigan	13,734	23,198	35,940	49,969	49,807	59,002
Minnesota	3,474	7,835	10,885	19,906	16,809	20,571
Mississippi	920	1,019	2,147	4,154	3,929	5,860
Missouri	3,148	5,173	10,616	16,977	18,792	21,161
Montana	785	1,412	2,079	3,207	2,799	3,313
Nebraska	1,156	1,839	4,222	6,223	6,220	8,729
Nevada	1,296	1,753	2,405	3,726	5,642	5,871
New Hampshire	303	445	653	934	1,053	1,047
New Jersey	6,250	9,956	17,515	27,256	30,266	34,336
New Mexico	958	1,266	2,647	4,947	6,135	6,124
New York	R15,286	R25,760	R38,069	R51,006	R53,782	R57,791
North Carolina	1,456	1,771	4,110	7,872	9,570	11,913
North Dakota	248	641	1,028	1,761	1,455	1,837
Ohio	R9,957	R16,819	R29,556	R45,239	R47,494	R54,013
Oklahoma	1,974	2,635	6,630	10,581	11,106	12,761
Oregon	1,613	2,776	3,851	5,257	6,096	6,480
Pennsylvania	R7,274	R12,211	R22,201	R31,731	R33,339	R39,679
Rhode Island	783	1,268	1,858	2,976	2,648	2,925
South Carolina	721	832	1,901	4,261	4,632	5,926
South Dakota	326	757	1,231	1,941	1,726	2,024
Tennessee	1,667	2,087	5,347	11,326	12,157	14,959
Texas	7,014	7,587	15,490	30,253	29,456	42,635
Utah	1,574	2,277	3,244	7,740	9,276	10,522
Vermont	119	182	312	346	441	419
Virginia	1,976	2,773	4,365	9,394	11,122	13,527
Washington	3,142	5,537	7,879	10,270	11,229	10,931
West Virginia	R528	R1,602	R2,616	R4,485	5,765	5,912
Wisconsin	3,458	7,853	11,317	20,423	17,975	20,900
Wyoming	453	815	1,269	NA	1,439	2,365
Total	R163,092	R257,931	R419,368	R665,793	R706,171	R822,871

See footnotes at end of table.

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

State	2001					
	Total	December	November	October	September	August
Alabama	49,229	4,469	3,074	1,706	1,164	1,185
Alaska	16,818	2,785	2,187	1,662	819	538
Arizona	37,049	5,338	1,845	1,311	1,168	986
Arkansas	37,202	5,759	3,407	1,534	772	806
California	512,695	64,425	39,037	29,189	21,331	22,473
Colorado	123,629	17,103	8,526	4,058	2,803	2,515
Connecticut	40,599	5,369	3,574	2,113	880	1,001
Delaware	9,175	815	615	334	183	161
District of Columbia	12,947	1,231	865	428	301	282
Florida	15,547	1,199	983	762	699	700
Georgia	119,969	16,734	8,398	7,915	3,728	3,546
Hawaii	537	47	43	40	43	41
Idaho	19,118	2,827	1,601	713	424	341
Illinois	427,146	64,165	34,223	26,244	12,180	8,945
Indiana	147,338	18,881	11,475	8,020	3,555	2,775
Iowa	71,074	9,075	4,795	3,531	1,587	1,318
Kansas	70,182	8,412	3,836	2,057	1,207	1,539
Kentucky	56,947	9,578	5,135	3,187	1,385	1,087
Louisiana	49,003	5,802	3,326	2,230	1,589	1,528
Maine	954	132	61	54	32	25
Maryland	76,891	8,906	5,564	4,890	1,810	1,749
Massachusetts	106,636	9,272	7,038	4,510	2,852	2,435
Michigan	343,682	40,939	27,514	18,699	8,490	6,180
Minnesota	124,891	17,820	9,708	7,587	3,217	2,643
Mississippi	27,909	2,827	1,903	921	721	655
Missouri	116,188	13,263	6,977	3,942	2,592	2,160
Montana	20,147	2,952	1,842	1,160	503	405
Nebraska	46,663	4,352	4,791	1,777	901	931
Nevada	32,609	5,877	2,188	1,245	1,034	996
New Hampshire	6,812	735	490	300	184	148
New Jersey	209,834	23,936	15,915	9,706	5,534	4,883
New Mexico	36,577	4,986	1,993	1,170	951	891
New York	376,176	42,904	27,651	16,847	10,188	9,451
North Carolina	56,815	6,443	4,592	2,514	1,086	948
North Dakota	10,570	1,714	999	771	263	279
Ohio	308,522	37,245	23,529	15,668	6,755	6,040
Oklahoma	64,622	7,715	3,407	1,891	1,271	1,279
Oregon	38,271	5,274	3,342	1,442	893	882
Pennsylvania	238,849	26,948	17,515	11,085	5,351	4,923
Rhode Island	17,937	1,609	1,153	617	506	450
South Carolina	27,485	2,537	2,071	892	516	473
South Dakota	12,335	1,801	974	670	279	277
Tennessee	68,053	8,012	4,509	2,198	1,228	1,125
Texas	208,449	29,757	12,891	7,927	5,229	7,310
Utah	55,008	10,075	5,575	3,468	1,589	1,442
Vermont	2,719	270	203	91	67	54
Virginia	70,249	8,084	5,192	3,088	1,454	1,538
Washington	84,416	15,980	11,145	5,692	1,780	1,656
West Virginia	33,459	4,771	3,090	2,234	752	448
Wisconsin	125,277	17,762	9,205	7,696	3,549	2,302
Wyoming	10,977	1,499	1,040	716	271	247
Total	4,776,186	610,411	361,013	238,503	127,662	116,997

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		2002 Total
				February	January	
Alabama	8,945	7,530	9,554	4,466	4,479	NA
Alaska	3,811	3,752	3,517	1,637	2,174	NA
Arizona	7,333	8,281	7,650	3,330	4,002	32,965
Arkansas	NA	13,862	10,095	NA	NA	NA
California	NA	52,913	53,054	NA	NA	NA
Colorado	17,202	19,932	21,153	9,018	8,185	NA
Connecticut	11,614	NA	12,643	5,540	6,074	NA
Delaware	NA	1,931	1,914	1,416	NA	NA
District of Columbia	5,004	4,656	4,629	2,456	2,548	NA
Florida	11,139	10,081	10,803	5,671	5,469	51,954
Georgia	17,890	16,070	16,347	7,727	10,162	R52,821
Hawaii	310	283	305	150	161	1,720
Idaho	3,449	4,937	4,660	1,638	1,812	14,779
Illinois	70,506	57,041	64,874	33,167	37,339	208,231
Indiana	33,427	24,139	28,817	15,384	18,043	NA
Iowa	NA	13,798	16,777	NA	8,265	46,248
Kansas	13,492	12,324	14,639	6,708	6,784	38,812
Kentucky	14,907	11,040	13,321	6,977	7,930	37,256
Louisiana	NA	5,995	8,462	NA	2,578	NA
Maine	1,175	1,436	892	638	537	NA
Maryland	20,419	16,445	17,086	9,548	10,870	R65,323
Massachusetts	21,420	20,306	19,065	10,959	R10,462	NA
Michigan	62,681	50,016	58,959	30,626	32,055	173,019
Minnesota	33,849	24,122	31,829	16,315	17,534	NA
Mississippi	NA	6,043	7,145	NA	3,590	NA
Missouri	22,687	20,551	24,977	11,638	11,049	65,389
Montana	3,914	4,158	4,995	1,978	1,936	14,612
Nebraska	8,988	7,912	8,733	4,715	4,273	27,870
Nevada	5,307	5,814	5,592	2,475	2,832	22,904
New Hampshire	NA	2,568	2,548	NA	NA	NA
New Jersey	50,157	39,563	45,792	24,976	25,181	149,268
New Mexico	NA	7,891	7,809	NA	R41,449	R25,558
New York	NA	68,841	75,228	NA	R7,856	R32,015
North Carolina	15,231	11,875	13,209	7,375	40,143	NA
North Dakota	3,779	3,122	3,537	1,832	1,947	NA
Ohio	65,863	47,130	63,284	29,645	R36,218	R163,260
Oklahoma	12,113	13,877	15,844	6,317	5,796	37,400
Oregon	7,040	8,822	8,231	3,295	3,745	28,530
Pennsylvania	54,509	40,260	45,475	25,661	R28,848	R148,346
Rhode Island	3,821	3,400	4,080	1,972	R1,849	NA
South Carolina	NA	5,755	6,268	3,220	NA	21,328
South Dakota	3,364	2,827	3,186	1,651	1,713	10,252
Tennessee	21,601	16,560	20,532	10,384	11,218	NA
Texas	NA	39,999	50,224	NA	28,126	NA
Utah	8,974	11,129	9,977	4,525	4,449	33,894
Vermont	915	745	821	486	429	2,470
Virginia	NA	17,107	18,340	NA	11,330	63,896
Washington	NA	15,341	13,743	NA	5,290	51,868
West Virginia	NA	6,170	7,677	NA	NA	R23,072
Wisconsin	30,137	22,432	25,851	14,337	15,800	R85,132
Wyoming	2,661	3,156	3,101	1,307	1,353	11,099
Total	960,257	824,495	927,240	468,755	R491,502	R3,113,842

See footnotes at end of table.

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

State	2002					
	December	November	October	September	August	July
Alabama	3,324	1,858	1,201	1,078	NA	1,073
Alaska	2,308	1,853	1,196	799	669	557
Arizona	3,447	2,521	2,123	1,915	1,891	1,976
Arkansas	NA	NA	NA	NA	NA	NA
California	NA	15,268	18,657	16,290	17,840	17,229
Colorado	9,059	7,228	5,014	2,223	1,731	1,691
Connecticut	5,581	3,990	2,443	1,838	1,932	1,800
Delaware	NA	580	259	201	182	187
District of Columbia	NA	2,046	1,271	857	838	824
Florida	5,102	4,142	3,676	3,823	3,679	3,837
Georgia	R9,069	R4,704	R2,794	R2,085	R2,138	R2,176
Hawaii	151	146	144	144	138	147
Idaho	1,686	1,326	699	476	380	366
Illinois	28,990	21,752	14,326	7,862	6,770	6,783
Indiana	13,468	8,694	5,439	2,541	NA	2,160
Iowa	6,639	4,877	2,652	1,847	1,232	1,275
Kansas	5,065	3,707	1,948	1,281	1,463	1,424
Kentucky	5,932	3,931	2,157	1,058	1,123	1,097
Louisiana	R3,726	R3,140	R2,759	NA	R1,725	R1,727
Maine	NA	NA	NA	459	NA	NA
Maryland	R10,259	R7,154	R4,656	R3,590	R2,754	R2,440
Massachusetts	NA	5,857	5,277	3,911	4,088	3,542
Michigan	24,214	16,312	9,435	5,442	5,010	5,484
Minnesota	14,151	10,890	7,811	3,848	NA	3,356
Mississippi	2,608	NA	1,202	1,087	785	1,068
Missouri	8,549	5,796	3,724	2,077	1,920	2,016
Montana	1,744	1,432	914	440	413	425
Nebraska	3,528	2,297	1,218	965	929	975
Nevada	2,540	1,936	1,485	1,255	1,190	1,208
New Hampshire	R1,322	R1,007	NA	NA	280	328
New Jersey	22,805	13,465	8,958	8,381	5,972	6,158
New Mexico	3,006	2,205	1,119	778	953	962
New York	R35,572	R35,940	R19,972	R21,083	R23,416	R23,454
North Carolina	6,200	3,648	2,429	1,625	1,440	1,512
North Dakota	1,611	1,310	1,017	363	NA	282
Ohio	R24,518	R16,203	R9,189	R4,403	R4,288	R4,704
Oklahoma	4,135	2,395	1,149	1,208	1,222	1,170
Oregon	3,335	2,345	1,286	1,082	1,008	1,090
Pennsylvania	R22,449	R14,434	R9,393	R5,414	R5,316	R5,128
Rhode Island	1,095	652	621	429	522	409
South Carolina	2,901	1,715	1,192	1,123	1,047	1,081
South Dakota	1,374	1,185	762	314	266	277
Tennessee	7,936	4,027	2,350	2,143	1,928	1,884
Texas	22,819	NA	12,236	10,586	11,030	9,761
Utah	4,454	3,627	2,353	1,266	998	953
Vermont	332	238	114	83	75	72
Virginia	9,692	6,667	4,272	2,657	2,650	2,603
Washington	5,724	4,439	2,521	1,937	1,904	2,061
West Virginia	R3,231	R2,319	R870	R884	R966	R924
Wisconsin	12,935	R9,858	R6,478	R3,025	2,976	2,281
Wyoming	1,495	1,159	767	391	220	470
Total	R405,225	R294,568	R195,576	R142,881	R139,485	R135,170

See footnotes at end of table.

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

State	2002					
	June	May	April	March	February	January
Alabama	1,185	1,353	1,901	3,226	3,530	4,000
Alaska	933	NA	1,688	1,831	1,782	1,970
Arizona	2,152	2,399	2,779	3,482	3,992	4,288
Arkansas	NA	NA	NA	NA	7,636	6,226
California	17,778	20,446	20,574	22,685	24,573	28,341
Colorado	1,716	3,020	NA	8,062	9,076	10,856
Connecticut	1,855	2,263	3,804	4,916	NA	5,464
Delaware	225	364	594	834	892	1,039
District of Columbia	797	969	1,247	2,030	2,204	2,452
Florida	3,949	4,011	4,478	5,175	4,782	5,299
Georgia	R2,172	R2,670	R3,032	R5,910	R7,633	R8,438
Hawaii	146	139	143	138	138	145
Idaho	561	870	1,386	2,091	2,493	2,444
Illinois	7,135	11,256	19,182	27,134	26,191	30,850
Indiana	2,720	3,750	6,995	10,863	11,356	12,783
Iowa	1,521	2,086	3,885	6,436	6,362	7,436
Kansas	1,327	1,750	3,223	5,301	5,633	6,690
Kentucky	1,011	1,825	2,600	5,481	5,567	5,473
Louisiana	R1,902	R1,529	R1,914	NA	R3,043	R2,952
Maine	365	NA	NA	679	701	735
Maryland	R2,776	R3,166	R4,450	R7,634	R8,057	R8,388
Massachusetts	4,788	5,626	7,139	8,517	10,392	9,914
Michigan	7,380	11,311	17,809	20,604	24,282	25,734
Minnesota	3,423	6,149	9,366	NA	11,181	12,941
Mississippi	1,159	1,023	1,691	2,592	2,814	3,229
Missouri	2,218	4,053	5,728	8,756	9,749	10,802
Montana	584	977	1,449	2,076	1,898	2,260
Nebraska	1,268	1,670	3,063	4,044	4,328	3,584
Nevada	1,373	1,575	1,798	2,730	2,789	3,026
New Hampshire	NA	653	844	1,195	1,296	1,272
New Jersey	6,522	10,873	12,326	14,247	18,908	20,655
New Mexico	1,208	1,627	2,395	3,415	3,981	R3,910
New York	R21,462	R22,035	R27,740	R32,501	R34,387	R34,454
North Carolina	1,880	1,902	2,856	4,775	5,587	6,287
North Dakota	286	656	980	NA	1,374	1,747
Ohio	R5,800	R9,441	R14,847	R22,737	R24,083	R23,048
Oklahoma	1,343	1,868	3,696	5,338	6,986	6,891
Oregon	1,430	2,042	2,642	3,449	3,969	4,853
Pennsylvania	R5,914	R8,607	R13,508	R17,923	R19,523	R20,737
Rhode Island	526	824	1,151	NA	1,641	1,758
South Carolina	1,162	1,284	1,607	2,461	2,739	3,016
South Dakota	310	555	968	1,414	1,309	1,518
Tennessee	NA	2,599	4,325	6,459	7,390	9,170
Texas	10,239	10,707	14,767	22,571	16,135	23,864
Utah	1,057	1,627	2,239	4,189	5,275	5,854
Vermont	108	161	249	294	383	362
Virginia	2,765	3,598	4,231	7,654	8,130	8,978
Washington	2,778	3,769	5,211	6,184	6,765	8,576
West Virginia	R1,068	R1,517	R2,097	R3,025	R3,004	R3,166
Wisconsin	2,597	4,513	6,634	11,404	10,392	12,040
Wyoming	420	630	1,000	1,391	994	2,161
Total	R149,988	R190,356	R264,356	R371,742	R392,417	R432,078

See footnotes at end of table.

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

State	2001					
	Total	December	November	October	September	August
Alabama	26,377	2,274	1,797	1,393	1,164	1,091
Alaska	15,849	2,299	1,911	1,499	789	610
Arizona	31,121	3,574	2,240	1,819	1,771	1,747
Arkansas	32,031	3,694	2,901	2,083	1,853	1,704
California	245,795	25,444	19,010	18,308	16,322	17,275
Colorado	65,011	8,243	4,204	2,408	1,854	1,633
Connecticut	44,404	4,406	4,339	2,253	2,523	1,934
Delaware	5,680	522	396	290	185	160
District of Columbia	16,546	1,506	1,223	802	786	623
Florida	49,286	4,215	4,026	3,617	3,547	3,393
Georgia	50,645	6,149	4,008	3,443	2,230	2,102
Hawaii	1,749	136	137	138	145	140
Idaho	13,623	1,820	1,060	613	462	402
Illinois	189,160	25,230	14,372	12,120	7,631	6,333
Indiana	78,479	9,276	6,253	5,016	2,832	2,211
Iowa	45,911	5,584	3,556	2,842	1,605	998
Kansas	38,127	4,147	2,200	1,491	1,296	1,379
Kentucky	35,255	4,485	2,867	1,772	1,138	1,119
Louisiana	28,833	2,827	2,066	1,780	1,547	1,664
Maine	2,642	330	257	140	85	69
Maryland	59,802	6,102	5,197	4,473	3,118	2,591
Massachusetts	61,677	6,278	4,369	3,061	2,668	2,290
Michigan	173,791	19,143	13,259	9,466	5,945	5,109
Minnesota	93,845	12,297	6,546	6,185	3,048	3,002
Mississippi	21,579	2,004	1,659	1,234	935	1,143
Missouri	64,924	7,407	4,083	2,787	2,152	1,977
Montana	13,245	1,770	1,147	725	387	363
Nebraska	27,792	3,269	1,742	1,079	1,006	954
Nevada	22,912	2,731	1,774	1,383	1,655	1,238
New Hampshire	7,349	765	493	260	231	218
New Jersey	136,578	14,241	10,382	6,904	5,179	4,276
New Mexico	24,150	2,661	1,443	1,183	958	938
New York	347,253	37,264	26,198	26,630	28,804	27,552
North Carolina	38,583	4,038	2,946	2,264	1,626	1,445
North Dakota	10,456	1,626	997	781	322	313
Ohio	172,537	21,128	11,693	8,990	5,472	4,609
Oklahoma	42,110	3,988	2,310	1,786	1,762	1,688
Oregon	27,884	3,348	2,252	1,284	1,162	1,030
Pennsylvania	136,468	15,565	10,114	8,255	4,753	4,220
Rhode Island	12,808	1,222	934	635	492	465
South Carolina	20,743	1,870	1,585	1,298	1,118	1,076
South Dakota	9,711	1,378	780	600	282	294
Tennessee	52,947	4,830	3,802	2,392	2,064	1,815
Texas	177,714	20,466	12,487	10,329	9,031	10,282
Utah	30,917	5,250	2,870	1,834	992	961
Vermont	2,473	241	189	108	92	72
Virginia	59,809	6,501	5,189	3,736	2,950	2,771
Washington	57,160	9,222	6,904	4,179	1,949	1,954
West Virginia	27,737	3,507	2,573	2,754	1,243	1,099
Wisconsin	76,439	10,056	5,712	5,111	2,488	1,923
Wyoming	9,535	979	1,081	607	311	211
Total	3,037,450	347,309	231,534	186,143	143,957	134,467

^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		2002 Total
				February	January	
Alabama	28,295	28,073	27,786	13,738	14,557	160,706
Alaska	8,714	11,039	11,352	4,386	4,328	66,205
Arizona	3,031	3,106	3,991	1,456	1,575	NA
Arkansas	NA	18,743	20,147	NA	9,569	NA
California	NA	110,876	102,653	53,341	NA	NA
Colorado	NA	NA	12,813	12,398	NA	NA
Connecticut	5,277	NA	4,386	2,428	2,849	NA
Delaware	4,292	4,183	3,995	1,880	R2,412	NA
District of Columbia	0	0	0	0	0	0
Florida	NA	16,379	15,248	NA	NA	95,828
Georgia	24,636	24,151	22,016	11,701	12,936	145,243
Hawaii	76	82	94	36	40	475
Idaho ^a	4,698	5,318	5,877	2,204	2,493	NA
Illinois	59,814	51,858	57,420	28,737	31,078	NA
Indiana	50,700	46,931	49,841	24,137	26,563	254,382
Iowa	18,319	16,695	17,679	9,747	8,572	90,401
Kansas	18,972	15,602	16,926	8,971	10,000	NA
Kentucky	21,071	17,891	19,796	9,711	11,359	98,608
Louisiana	NA	124,381	117,915	52,779	NA	710,309
Maine	NA	3	2,186	NA	611	1,281
Maryland	4,388	4,808	4,966	2,140	2,248	NA
Massachusetts	NA	NA	18,422	6,264	NA	NA
Michigan	52,984	46,916	48,226	26,375	26,609	236,820
Minnesota	19,058	15,084	17,667	9,626	9,432	NA
Mississippi	19,140	17,104	17,585	8,461	10,679	104,568
Missouri	14,219	12,900	16,246	6,923	7,297	67,310
Montana	3,436	4,145	4,674	1,989	1,447	NA
Nebraska	6,316	6,485	6,438	3,071	3,245	40,143
Nevada	1,805	1,909	1,988	766	1,039	11,168
New Hampshire	NA	1,344	1,543	NA	NA	NA
New Jersey	14,997	16,040	15,174	7,313	7,684	NA
New Mexico	NA	3,555	6,071	NA	NA	19,840
New York	NA	35,527	17,739	NA	12,356	179,110
North Carolina	18,176	17,809	13,831	9,278	8,898	98,980
North Dakota	2,166	2,533	2,857	778	1,388	NA
Ohio	58,331	57,559	65,931	28,180	30,151	R317,701
Oklahoma	21,128	21,000	27,679	9,675	11,453	116,385
Oregon	11,459	14,250	12,881	5,514	5,945	72,039
Pennsylvania	37,863	36,826	38,341	17,666	20,197	197,661
Rhode Island	882	383	826	448	R434	2,696
South Carolina	14,471	17,195	10,677	6,940	7,531	97,673
South Dakota	NA	690	963	NA	NA	4,588
Tennessee	21,341	24,098	21,054	10,404	10,937	NA
Texas	284,866	296,135	366,783	137,228	147,638	1,748,531
Utah	4,640	5,065	6,404	2,240	2,400	26,888
Vermont	336	652	322	121	215	3,013
Virginia	12,472	12,715	11,477	6,306	6,166	NA
Washington	NA	13,637	11,797	NA	6,080	68,985
West Virginia	NA	7,871	7,125	NA	NA	R47,170
Wisconsin	31,985	29,319	29,744	15,374	16,611	R139,326
Wyoming	NA	7,101	6,718	3,622	NA	NA
Total	1,259,769	1,265,309	1,324,271	610,997	R648,772	R7,176,615

See footnotes at end of table.

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

State	2002					
	December	November	October	September	August	July
Alabama	14,452	12,714	13,395	12,893	11,955	12,587
Alaska	4,298	4,563	5,586	5,536	6,106	7,174
Arizona	1,712	NA	1,312	1,123	1,159	1,164
Arkansas	NA	NA	NA	NA	NA	NA
California	NA	NA	68,243	62,073	66,371	63,160
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	2,971	2,865	2,540	2,048	2,068	2,450
Delaware	NA	NA	NA	NA	1,761	1,572
District of Columbia	0	0	0	0	0	0
Florida	7,733	7,746	8,161	7,500	7,814	7,455
Georgia	12,393	12,240	11,928	11,635	12,631	11,761
Hawaii	37	35	35	36	42	47
Idaho ^a	2,425	2,347	2,385	2,185	NA	NA
Illinois	26,771	24,986	23,786	18,360	19,300	NA
Indiana	25,090	22,870	21,838	19,445	19,534	19,189
Iowa	8,920	9,120	7,443	6,477	6,519	5,992
Kansas	10,304	10,413	8,194	11,168	NA	9,299
Kentucky	9,706	9,627	8,942	7,589	6,508	6,915
Louisiana	66,473	66,043	58,144	54,625	57,819	55,193
Maine	16	61	164	122	150	143
Maryland	2,153	NA	2,155	1,994	NA	2,234
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	23,516	19,902	15,945	14,669	17,142	18,046
Minnesota	9,574	9,568	8,253	6,493	NA	6,711
Mississippi	10,156	9,028	9,079	7,980	8,539	8,743
Missouri	6,295	5,955	6,056	4,280	4,518	4,444
Montana	NA	2,150	1,863	1,646	1,367	1,311
Nebraska	3,178	2,913	2,822	4,393	4,910	5,647
Nevada	1,074	999	1,037	896	862	833
New Hampshire	NA	626	NA	588	NA	NA
New Jersey	NA	7,060	6,391	6,011	NA	NA
New Mexico	1,605	1,845	1,646	1,635	1,433	1,507
New York	16,750	17,192	16,602	15,570	15,668	7,452
North Carolina	8,889	8,801	8,610	7,745	7,827	7,086
North Dakota	999	914	1,030	908	962	1,001
Ohio	R31,608	R29,025	R26,778	R22,411	R24,220	R23,047
Oklahoma	11,379	11,040	9,893	9,091	9,470	9,288
Oregon	6,150	5,856	5,808	5,507	5,612	5,343
Pennsylvania	19,257	17,729	16,319	14,254	14,592	13,748
Rhode Island	205	332	273	229	211	185
South Carolina	8,002	8,339	8,115	7,288	7,740	7,696
South Dakota	506	546	394	271	330	418
Tennessee	10,296	10,290	9,183	7,800	8,951	8,617
Texas	128,650	121,771	126,557	134,224	146,959	156,179
Utah	2,489	2,410	2,415	2,118	2,041	1,971
Vermont	279	281	263	193	194	184
Virginia	5,158	NA	NA	6,582	7,421	7,481
Washington	5,874	5,978	5,741	5,132	4,980	4,786
West Virginia	R4,918	R4,745	R4,295	R3,125	R3,640	R3,358
Wisconsin	R14,561	R12,584	R11,438	R8,630	8,609	8,250
Wyoming	3,873	4,096	3,785	3,099	3,341	3,131
Total	R617,018	R588,894	R592,562	R550,703	R585,721	R582,972

See footnotes at end of table.

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

State	2002					
	June	May	April	March	February	January
Alabama	13,065	13,466	13,610	14,497	13,972	14,100
Alaska	6,640	5,909	4,759	4,595	5,304	5,735
Arizona	1,156	1,158	1,193	NA	1,426	1,680
Arkansas	NA	NA	NA	NA	9,542	9,201
California	54,341	55,260	54,374	61,534	49,783	61,093
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	2,280	2,406	NA	NA	NA	3,291
Delaware	1,204	1,269	1,657	1,946	1,916	2,266
District of Columbia	0	0	0	0	0	0
Florida	6,847	8,171	9,243	8,777	8,076	8,304
Georgia	11,545	12,231	11,763	12,964	11,756	12,395
Hawaii	36	43	42	39	40	42
Idaho ^a	2,065	2,299	2,377	2,561	2,553	2,765
Illinois	19,888	22,448	24,491	26,897	26,026	25,832
Indiana	17,091	18,569	20,499	23,325	22,843	24,088
Iowa	5,992	7,309	7,802	8,132	7,902	8,793
Kansas	7,579	7,861	6,888	8,093	7,505	8,097
Kentucky	7,165	8,120	7,521	8,625	8,854	9,037
Louisiana	54,518	55,116	56,210	61,785	59,384	64,997
Maine	154	182	178	107	0	3
Maryland	2,067	1,772	2,128	2,765	2,396	2,412
Massachusetts	NA	NA	NA	NA	NA	6,915
Michigan	18,358	19,401	21,968	20,956	23,834	23,082
Minnesota	6,735	6,942	7,848	8,329	7,259	7,825
Mississippi	8,120	8,298	8,245	9,275	8,300	8,804
Missouri	4,489	5,657	5,702	7,013	5,864	7,036
Montana	1,508	1,622	NA	1,881	2,074	2,071
Nebraska	1,876	2,823	2,757	2,339	3,177	3,308
Nevada	870	819	978	890	813	1,096
New Hampshire	749	727	693	817	623	721
New Jersey	6,277	6,559	6,723	7,380	7,948	8,091
New Mexico	1,543	1,543	1,750	1,777	1,694	1,861
New York	12,561	11,626	14,312	15,850	17,132	18,396
North Carolina	7,290	8,057	7,848	9,019	8,855	8,954
North Dakota	NA	1,130	1,071	1,119	1,117	1,417
Ohio	R23,939	R26,393	R25,592	R27,129	R27,434	R30,125
Oklahoma	7,761	8,806	8,865	9,792	9,681	11,319
Oregon	5,383	5,890	5,816	6,424	6,466	7,783
Pennsylvania	14,444	15,570	16,396	18,527	17,703	19,123
Rhode Island	224	222	213	218	202	181
South Carolina	8,224	8,296	8,133	8,645	8,504	8,691
South Dakota	341	264	341	486	318	372
Tennessee	NA	9,162	9,833	9,392	11,803	12,295
Texas	163,180	156,234	174,407	144,236	140,601	155,534
Utah	1,864	2,175	2,005	2,333	2,432	2,633
Vermont	192	224	240	311	317	335
Virginia	6,961	6,355	5,659	4,718	6,164	6,551
Washington	5,183	5,415	5,982	6,276	6,244	7,393
West Virginia	R3,549	R3,813	R3,768	R4,086	R3,489	R4,382
Wisconsin	8,377	10,780	11,920	14,857	13,919	15,400
Wyoming	3,187	3,734	NA	2,387	3,344	3,757
Total	R566,220	R584,548	R614,665	R628,002	R604,489	R660,821

See footnotes at end of table.

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

State	2001					
	Total	December	November	October	September	August
Alabama	155,054	12,672	11,767	13,613	12,134	12,319
Alaska	67,174	5,205	4,843	5,263	5,784	6,462
Arizona	21,228	1,704	1,412	1,344	1,439	1,813
Arkansas	122,311	11,527	11,168	11,777	9,591	9,233
California	666,462	62,087	57,442	61,177	63,833	65,128
Colorado	57,436	4,457	4,941	3,369	3,655	4,332
Connecticut	26,019	1,802	2,147	2,122	1,981	2,004
Delaware	20,059	1,639	1,804	1,971	1,557	1,433
District of Columbia	0	0	0	0	0	0
Florida	94,711	8,016	7,811	8,140	8,196	7,721
Georgia	137,899	11,212	11,239	12,533	11,624	12,062
Hawaii	532	42	37	41	39	47
Idaho ^a	30,435	2,669	2,536	2,413	2,150	2,093
Illinois	277,292	23,695	23,899	24,125	19,383	20,406
Indiana	250,766	22,971	20,330	21,014	17,971	20,171
Iowa	92,569	8,462	8,265	7,844	6,851	6,581
Kansas	92,771	7,212	7,131	6,679	9,411	9,981
Kentucky	94,896	8,851	8,090	7,364	7,074	6,597
Louisiana	747,015	72,462	69,355	68,676	64,053	63,932
Maine	10,929	701	1,160	1,135	891	696
Maryland	27,412	2,065	2,701	2,117	1,999	2,437
Massachusetts	81,184	6,625	4,811	6,493	5,547	6,996
Michigan	223,798	20,000	18,664	16,597	14,431	15,664
Minnesota	92,451	7,858	9,056	7,945	7,926	7,182
Mississippi	99,341	8,580	8,146	7,304	8,097	7,984
Missouri	67,846	7,342	5,329	4,954	4,386	4,809
Montana	20,923	1,972	2,089	1,558	1,241	1,337
Nebraska	40,145	3,135	3,947	2,746	3,414	3,782
Nevada	11,475	1,398	865	962	858	910
New Hampshire	8,685	990	921	737	582	503
New Jersey	86,097	7,371	7,205	7,283	6,221	6,928
New Mexico	36,874	3,547	3,089	2,844	2,859	3,112
New York	84,411	8,527	5,076	6,531	6,076	5,925
North Carolina	88,844	8,498	8,170	9,111	7,421	7,331
North Dakota	17,759	1,119	1,068	1,460	1,359	1,795
Ohio	293,369	28,339	24,128	23,334	20,131	18,988
Oklahoma	161,341	15,210	14,486	15,516	13,859	12,651
Oregon	69,760	5,939	5,805	6,024	5,088	4,832
Pennsylvania	197,676	17,894	16,402	16,385	16,432	15,092
Rhode Island	6,127	604	468	606	550	565
South Carolina	79,674	7,785	7,201	8,343	6,839	7,082
South Dakota	4,211	367	343	329	287	259
Tennessee	118,566	10,391	10,696	11,542	8,227	9,419
Texas	2,093,120	164,669	166,820	167,479	160,683	166,397
Utah	33,585	2,395	2,565	3,024	2,711	2,349
Vermont	2,597	313	263	236	200	179
Virginia	65,231	7,375	8,820	3,420	4,911	5,204
Washington	75,651	7,943	7,903	7,951	5,556	5,485
West Virginia	39,598	3,284	3,459	3,265	3,571	3,035
Wisconsin	132,638	12,302	11,033	10,666	8,612	8,152
Wyoming	37,136	3,468	3,204	3,272	2,933	2,897
Total	7,363,081	644,691	620,113	620,637	580,624	592,290

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

^R Revised Data.

^{NA} Not Available.

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

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

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

State	YTD 2003	YTD 2002	YTD 2001	2003		2002
				February	January	Total
Alabama	15,037	17,367	5,547	5,320	9,717	112,743
Alaska	6,080	5,285	6,022	2,715	3,365	32,947
Arizona	11,200	14,228	17,384	8,703	2,497	125,086
Arkansas	5,339	3,433	2,061	2,973	2,366	39,750
California	103,644	93,789	168,784	51,396	52,248	697,915
Colorado	10,679	9,518	12,734	5,472	5,206	76,403
Connecticut	4,607	8,404	2,590	2,098	2,509	65,079
Delaware	808	1,928	267	353	456	17,463
District of Columbia	0	0	0	0	0	0
Florida	58,829	61,742	32,437	28,404	30,425	519,545
Georgia	3,928	2,393	958	801	3,127	51,468
Hawaii	0	0	0	0	0	0
Idaho	271	348	218	121	150	2,844
Illinois	5,877	5,358	3,954	2,829	3,048	86,641
Indiana	3,189	4,483	2,500	1,729	1,459	32,618
Iowa	608	699	411	330	277	7,014
Kansas	1,556	1,708	1,453	730	827	23,126
Kentucky	801	617	137	174	627	12,006
Louisiana	30,874	33,900	26,440	13,630	17,244	285,001
Maine	10,245	13,583	10,032	3,613	6,632	78,006
Maryland	1,235	1,172	865	572	662	22,545
Massachusetts	18,860	17,426	9,479	9,733	9,128	126,794
Michigan	21,217	21,678	16,837	9,741	11,477	146,479
Minnesota	2,174	1,634	1,204	1,045	1,129	14,069
Mississippi	20,663	33,818	5,430	8,169	12,494	199,055
Missouri	2,250	3,481	1,144	661	1,589	29,449
Montana	27	5	3	20	7	132
Nebraska	286	365	141	161	125	5,299
Nevada	14,310	16,506	20,844	7,017	7,294	109,577
New Hampshire	0	30	0	0	0	1,096
New Jersey	16,670	18,208	11,803	8,118	8,552	151,392
New Mexico	4,901	4,674	6,380	2,704	2,197	39,029
New York	34,319	49,217	32,339	15,316	19,004	365,925
North Carolina	4,865	3,885	44	1,758	3,107	46,304
North Dakota	0	0	0	0	0	1
Ohio	899	1,091	553	348	552	22,302
Oklahoma	22,262	24,005	16,375	11,557	10,705	179,982
Oregon	13,482	13,092	13,315	5,636	7,847	55,449
Pennsylvania	3,221	4,279	1,205	1,624	1,597	49,933
Rhode Island	7,451	10,211	6,957	3,083	4,367	53,166
South Carolina	3,455	4,966	609	816	2,639	36,774
South Dakota	78	163	409	51	27	1,273
Tennessee	1,099	34	0	116	983	2,714
Texas	207,845	193,992	189,096	99,744	108,101	1,518,238
Utah	1,619	1,499	2,916	754	865	12,861
Vermont	2	7	33	1	1	37
Virginia	4,333	3,354	2,307	959	3,374	34,104
Washington	10,089	7,670	15,626	5,146	4,943	37,809
West Virginia	102	127	85	36	67	1,691
Wisconsin	3,792	2,336	2,547	2,106	1,686	20,527
Wyoming	776	431	458	418	358	3,672
Total	695,853	718,138	653,189	328,801	367,051	5,553,331

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					
	December	November	October	September	August	July
Alabama	5,487	5,378	7,052	12,519	15,885	15,223
Alaska	3,093	2,568	2,885	2,705	2,813	3,280
Arizona	8,320	8,163	14,743	13,357	13,599	15,063
Arkansas	1,275	665	3,637	5,298	6,382	6,941
California	54,851	50,415	55,605	72,884	76,871	88,017
Colorado	5,475	5,311	7,038	6,309	7,563	8,948
Connecticut	4,228	4,166	4,689	7,284	8,304	7,984
Delaware	332	271	1,253	1,935	2,216	4,884
District of Columbia	0	0	0	0	0	0
Florida	30,686	35,129	52,195	53,296	57,978	55,523
Georgia	1,358	390	4,150	7,037	10,312	10,722
Hawaii	0	0	0	0	0	0
Idaho	149	123	208	195	276	478
Illinois	1,354	985	6,677	6,935	15,490	23,821
Indiana	1,875	1,938	1,829	2,995	3,835	6,233
Iowa	416	460	373	734	804	1,228
Kansas	536	671	851	2,329	4,354	5,807
Kentucky	251	260	296	1,184	1,771	3,828
Louisiana	13,737	14,620	21,860	28,304	33,906	35,007
Maine	6,370	6,412	6,223	6,824	7,254	6,938
Maryland	980	814	1,174	3,005	6,428	4,131
Massachusetts	12,194	10,418	10,935	13,438	12,072	11,578
Michigan	9,390	7,393	9,824	13,066	18,597	20,972
Minnesota	527	498	816	1,399	1,894	3,470
Mississippi	9,547	8,044	10,899	17,581	23,140	27,029
Missouri	371	529	510	3,185	5,177	6,733
Montana	5	2	2	12	22	31
Nebraska	133	159	408	579	946	1,395
Nevada	8,707	9,317	9,859	10,763	11,631	10,965
New Hampshire	103	0	194	219	311	79
New Jersey	9,475	9,192	11,492	14,861	22,333	23,319
New Mexico	2,393	2,397	3,052	3,287	4,566	5,764
New York	21,149	21,843	30,475	37,561	49,622	48,357
North Carolina	1,613	748	2,450	4,741	9,248	9,305
North Dakota	0	0	0	0	0	0
Ohio	489	471	1,123	3,235	4,315	6,384
Oklahoma	7,542	6,714	11,695	19,817	27,488	23,739
Oregon	5,285	5,065	5,595	5,621	4,908	2,114
Pennsylvania	2,294	2,544	3,879	5,629	9,187	8,349
Rhode Island	5,121	4,975	3,985	4,320	4,444	4,617
South Carolina	278	382	1,100	2,794	6,601	7,031
South Dakota	25	12	27	148	55	480
Tennessee	340	99	14	93	657	739
Texas	93,261	100,883	116,315	145,049	183,624	185,044
Utah	551	593	1,653	1,738	1,528	1,251
Vermont	3	4	4	3	3	4
Virginia	2,088	851	1,742	3,921	6,407	6,447
Washington	4,859	3,782	3,976	3,887	3,166	1,729
West Virginia	45	73	81	139	263	219
Wisconsin	1,339	1,033	960	2,357	2,123	3,795
Wyoming	320	217	498	576	295	317
Total	340,220	336,977	436,300	555,149	690,663	725,315

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					
	June	May	April	March	February	January
Alabama	11,856	7,444	7,357	7,172	8,131	9,236
Alaska	2,656	2,433	2,582	2,647	2,414	2,872
Arizona	11,792	9,164	7,599	9,057	7,852	6,375
Arkansas	5,323	2,261	2,606	1,929	1,853	1,580
California	62,134	42,999	41,654	58,696	43,011	50,777
Colorado	7,234	5,949	6,330	6,729	4,370	5,148
Connecticut	5,562	5,829	3,923	4,705	3,979	4,425
Delaware	1,321	1,021	1,071	1,230	1,127	802
District of Columbia	0	0	0	0	0	0
Florida	50,993	45,252	41,671	35,080	27,229	34,513
Georgia	7,282	3,402	3,425	998	1,098	1,295
Hawaii	0	0	0	0	0	0
Idaho	261	161	133	512	171	177
Illinois	9,972	3,973	7,098	4,977	3,053	2,305
Indiana	3,297	1,241	2,807	2,085	2,727	1,755
Iowa	738	486	499	576	304	395
Kansas	3,208	1,290	946	1,426	632	1,076
Kentucky	1,994	546	587	672	412	204
Louisiana	30,062	26,215	25,387	22,004	17,388	16,511
Maine	5,865	6,392	5,288	6,856	6,470	7,113
Maryland	1,980	892	1,303	665	542	631
Massachusetts	8,981	11,325	8,016	10,411	7,670	9,756
Michigan	12,953	9,704	10,837	12,064	10,334	11,344
Minnesota	1,438	651	635	1,109	860	774
Mississippi	20,812	15,010	16,268	16,907	16,880	16,938
Missouri	3,418	1,489	2,494	2,064	1,595	1,885
Montana	36	13	2	2	2	3
Nebraska	660	294	273	87	109	256
Nevada	9,532	7,672	5,974	8,650	7,816	8,690
New Hampshire	108	39	11	1	12	18
New Jersey	15,156	8,301	9,758	9,297	8,262	9,946
New Mexico	3,937	3,346	2,807	2,807	2,315	2,359
New York	34,418	24,300	24,157	24,827	23,694	25,523
North Carolina	5,510	2,801	3,233	2,769	2,024	1,861
North Dakota	0	0	0	0	0	0
Ohio	2,436	701	1,365	695	794	297
Oklahoma	18,044	12,911	15,161	12,867	14,104	9,901
Oregon	3,100	2,078	2,361	6,231	5,754	7,338
Pennsylvania	6,030	2,335	1,932	3,474	2,173	2,105
Rhode Island	4,095	3,920	3,575	3,904	4,458	5,753
South Carolina	4,922	4,534	2,914	1,252	2,013	2,953
South Dakota	182	58	62	61	145	18
Tennessee	277	58	233	172	34	0
Texas	154,070	125,671	116,081	104,248	90,305	103,687
Utah	1,028	1,386	882	752	452	1,047
Vermont	3	3	2	2	3	4
Virginia	3,448	2,023	2,815	1,007	1,177	2,178
Washington	855	1,115	2,000	4,770	3,814	3,857
West Virginia	229	99	252	164	50	76
Wisconsin	1,882	1,214	1,982	1,506	1,208	1,128
Wyoming	230	217	231	340	214	217
Total	541,320	410,216	398,579	400,455	341,035	377,103

See footnotes at end of table.

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

State	2001					
	Total	December	November	October	September	August
Alabama	68,868	6,324	7,007	7,473	7,157	8,892
Alaska	32,588	3,235	2,986	2,865	2,392	2,574
Arizona	129,086	8,910	6,853	9,808	10,115	12,373
Arkansas	26,096	1,253	2,200	2,845	2,798	4,318
California	973,509	61,775	59,363	75,461	83,693	100,027
Colorado	85,999	6,628	5,557	8,075	6,700	8,003
Connecticut	32,161	3,798	2,279	4,880	5,913	4,089
Delaware	15,129	443	1,094	2,483	2,998	2,856
District of Columbia	0	0	0	0	0	0
Florida	374,311	34,168	29,384	40,435	42,864	41,538
Georgia	34,700	356	340	1,790	4,279	9,161
Hawaii	0	0	0	0	0	0
Idaho	10,479	1,667	2,331	1,871	1,572	1,309
Illinois	46,806	2,328	2,025	4,679	2,677	11,093
Indiana	17,777	869	1,088	600	1,339	4,027
Iowa	5,754	279	247	259	449	1,278
Kansas	23,267	863	1,096	1,137	1,476	5,034
Kentucky	4,433	302	178	267	426	1,078
Louisiana	243,017	11,549	10,270	19,391	25,901	38,346
Maine	80,044	7,964	8,167	7,534	7,828	8,230
Maryland	17,521	698	525	1,555	2,319	4,377
Massachusetts	96,294	9,281	8,428	10,562	11,686	11,433
Michigan	133,054	11,972	11,915	14,520	11,276	17,622
Minnesota	10,688	547	471	876	516	2,038
Mississippi	149,434	14,943	12,944	19,065	18,784	21,933
Missouri	32,805	1,864	1,841	2,000	2,925	7,272
Montana	161	2	2	3	5	48
Nebraska	4,290	256	250	252	185	701
Nevada	108,510	7,837	7,698	9,264	8,520	10,878
New Hampshire	527	29	0	292	185	20
New Jersey	128,378	8,681	9,013	12,925	11,986	18,799
New Mexico	48,981	1,876	2,839	3,303	3,897	5,171
New York	357,439	29,115	26,679	35,313	39,724	52,228
North Carolina	12,265	201	189	903	1,055	4,815
North Dakota	3	0	0	0	0	0
Ohio	10,546	191	404	354	627	2,890
Oklahoma	173,893	10,238	10,276	14,051	17,639	26,402
Oregon	82,542	7,527	6,832	8,062	7,952	8,791
Pennsylvania	22,682	2,678	2,586	2,736	2,968	3,432
Rhode Island	58,417	5,797	4,362	5,793	5,945	6,056
South Carolina	10,944	534	477	1,337	602	2,993
South Dakota	4,496	70	29	61	211	666
Tennessee	2,479	0	0	0	48	868
Texas	1,506,112	91,523	91,505	118,063	135,134	191,478
Utah	15,141	785	636	863	1,280	1,271
Vermont	116	3	3	3	2	2
Virginia	33,124	1,773	2,547	4,013	5,832	6,360
Washington	86,184	4,358	4,277	5,763	5,871	7,236
West Virginia	2,620	41	165	148	138	1,238
Wisconsin	22,358	1,291	1,028	1,882	2,064	4,156
Wyoming	2,727	224	193	196	173	186
Total	5,342,734	367,046	350,573	466,123	510,303	686,813

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		2002 Total
				February	January	
Alabama	72,542	69,505	65,357	33,335	39,207	NA
Alaska	22,525	24,199	24,604	10,442	12,083	NA
Arizona	33,325	39,872	42,893	18,325	15,000	NA
Arkansas	NA	51,307	46,793	NA	NA	NA
California	NA	401,219	481,788	NA	NA	NA
Colorado	NA	NA	89,145	46,789	NA	NA
Connecticut	38,294	NA	34,221	18,502	19,791	NA
Delaware	12,231	11,124	9,756	5,644	R6,587	NA
District of Columbia	11,096	8,968	9,986	5,133	5,963	NA
Florida	NA	92,612	64,424	NA	NA	682,546
Georgia	96,819	84,405	83,708	40,802	56,016	R377,404
Hawaii	488	462	490	237	251	2,734
Idaho	14,214	17,496	17,717	6,728	7,486	NA
Illinois	314,789	250,505	284,337	147,045	167,744	NA
Indiana	151,940	124,091	139,114	70,441	81,500	NA
Iowa	NA	53,461	62,812	NA	31,082	215,148
Kansas	NA	54,107	63,025	NA	33,725	NA
Kentucky	63,642	49,024	54,841	28,919	34,722	208,173
Louisiana	NA	180,295	173,884	NA	NA	NA
Maine	NA	15,301	13,439	NA	7,979	NA
Maryland	60,286	47,183	52,509	28,477	31,809	R195,178
Massachusetts	96,659	NA	86,050	50,201	R46,458	NA
Michigan	274,475	227,419	245,188	134,037	140,437	921,059
Minnesota	104,898	78,220	96,479	50,978	53,920	NA
Mississippi	NA	66,754	43,107	NA	32,364	NA
Missouri	85,190	76,885	92,680	42,682	42,508	277,869
Montana	13,577	14,421	16,294	6,966	6,612	NA
Nebraska	30,922	29,712	33,228	15,416	15,506	116,346
Nevada	31,415	35,742	39,385	14,820	16,595	175,652
New Hampshire	NA	6,042	6,480	NA	NA	NA
New Jersey	171,164	138,413	148,803	84,064	87,100	NA
New Mexico	NA	28,379	34,278	NA	R117,610	R1,252,651
New York	NA	265,158	256,033	NA	R143,913	244,399
North Carolina	66,052	55,052	51,350	31,608	R34,444	NA
North Dakota	10,036	8,947	10,071	4,580	5,456	NA
Ohio	255,954	207,287	245,898	120,848	R135,106	R827,680
Oklahoma	81,390	82,749	88,441	40,538	40,852	399,525
Oregon	43,012	48,739	46,689	19,508	23,505	194,884
Pennsylvania	196,388	154,382	175,567	94,456	R101,931	R633,580
Rhode Island	19,052	19,567	18,300	9,210	R9,842	NA
South Carolina	NA	38,473	30,500	17,478	NA	183,532
South Dakota	NA	7,429	8,909	NA	NA	28,974
Tennessee	77,925	67,807	73,217	36,960	40,965	NA
Texas	NA	602,218	692,822	NA	329,281	NA
Utah	31,870	37,493	37,469	15,982	15,888	132,538
Vermont	2,336	2,263	2,167	1,188	1,148	8,281
Virginia	72,441	57,825	61,327	32,389	40,052	NA
Washington	NA	58,808	63,233	NA	26,698	232,413
West Virginia	NA	25,845	26,870	NA	NA	R104,482
Wisconsin	117,142	92,962	103,167	55,316	61,826	R381,114
Wyoming	NA	14,491	13,959	7,100	NA	NA
Total	4,748,719	4,339,400	4,665,416	2,294,040	R2,454,678	R20,773,075

See footnotes at end of table.

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

State	2002					
	December	November	October	September	August	July
Alabama	30,557	22,700	22,814	27,565	NA	29,978
Alaska	11,842	10,432	10,923	9,896	10,199	11,446
Arizona	17,855	NA	19,505	17,504	17,696	19,311
Arkansas	NA	NA	NA	NA	NA	NA
California	NA	148,471	173,962	174,402	184,580	193,302
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	19,356	15,404	11,469	12,152	13,276	13,054
Delaware	NA	NA	NA	NA	4,322	6,834
District of Columbia	NA	3,847	2,166	1,190	1,152	1,137
Florida	45,449	47,955	64,781	65,361	70,196	67,594
Georgia	R47,996	R33,237	R24,482	R24,436	R28,680	R28,366
Hawaii	236	227	215	224	222	239
Idaho	7,000	5,945	4,159	3,313	NA	NA
Illinois	131,534	100,701	74,222	43,246	50,730	NA
Indiana	67,310	49,031	36,740	27,853		30,217
Iowa	27,101	22,082	14,427	10,475	9,963	9,817
Kansas	26,521	22,126	13,411	16,192	NA	17,992
Kentucky	28,719	20,874	14,464	10,919	10,505	12,871
Louisiana	R91,983	R86,687	R84,603	NA	R95,096	R93,685
Maine	NA	NA	NA	7,431	NA	NA
Maryland	R29,535	R20,443	R13,019	R10,519	R12,848	R10,441
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	113,354	81,526	52,972	40,416	47,177	52,007
Minnesota	44,554	36,880	27,027	15,053	NA	16,535
Mississippi	26,363	NA	21,949	27,332	33,147	37,557
Missouri	33,208	23,235	14,378	11,933	13,689	15,546
Montana	NA	5,846	4,232	2,657	2,253	2,221
Nebraska	13,059	9,586	6,146	6,818	7,520	8,910
Nevada	16,547	14,856	13,809	13,996	14,624	14,039
New Hampshire	R2,904	R2,298	NA	NA	NA	NA
New Jersey	NA	51,661	36,862	34,370	NA	NA
New Mexico	11,854	9,107	6,955	6,530	7,763	9,050
New York	R127,625	R108,822	R83,041	R83,935	R97,894	R90,267
North Carolina	27,643	19,524	15,550	15,156	19,403	18,922
North Dakota	4,302	3,512	3,093	1,553	NA	1,479
Ohio	R110,089	R77,530	R53,404	R36,105	R38,907	R41,712
Oklahoma	31,973	25,060	24,395	31,439	39,728	35,909
Oregon	19,937	16,690	14,126	13,141	12,368	9,540
Pennsylvania	R84,690	R59,116	R40,901	R30,451	33,560	R32,401
Rhode Island	R9,042	8,163	5,503	5,410	5,600	5,687
South Carolina	16,496	12,476	11,018	11,703	15,871	16,345
South Dakota	3,598	3,230	2,114	1,017	890	1,399
Tennessee	31,321	20,128	13,407	11,168	12,627	12,436
Texas	277,711	NA	264,433	296,066	348,012	357,720
Utah	15,752	13,333	10,897	7,123	5,979	5,589
Vermont	999	797	478	341	329	324
Virginia	32,253	NA	NA	14,745	18,113	18,050
Washington	25,662	21,060	15,396	12,849	11,725	10,549
West Virginia	R13,451	R10,463	R6,788	R4,692	R5,312	R5,033
Wisconsin	R49,635	R39,144	R28,492	R16,887	16,364	16,913
Wyoming	7,532	6,844	5,936	4,462	4,039	NA
Total	R2,135,078	R1,710,624	R1,475,810	R1,374,509	R1,533,999	R1,572,027

See footnotes at end of table.

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

State	2002					
	June	May	April	March	February	January
Alabama	27,482	23,870	26,183	31,929	33,273	36,232
Alaska	NA	NA	10,482	11,259	11,497	12,702
Arizona	16,485	14,438	14,248	NA	19,930	19,942
Arkansas	NA	NA	NA	NA	26,356	24,951
California	160,625	153,357	159,717	200,926	181,502	219,717
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	10,956	12,520	NA	NA	NA	19,376
Delaware	3,016	3,114	4,231	5,296	5,320	5,804
District of Columbia	1,143	1,528	2,045	3,678	4,192	4,776
Florida	62,626	58,344	56,644	50,985	41,980	50,631
Georgia	R24,766	R23,198	R24,061	R33,778	R39,934	R44,471
Hawaii	224	226	234	225	226	236
Idaho	3,584	4,567	5,692	7,960	8,660	8,836
Illinois	49,236	61,100	93,385	124,409	119,301	131,204
Indiana	27,276	32,202	44,407	58,059	58,667	65,424
Iowa	10,114	13,401	18,695	25,611	24,856	28,605
Kansas	14,103	13,865	17,372	25,482	24,967	29,140
Kentucky	11,299	12,182	14,375	22,940	24,179	24,845
Louisiana	R88,837	R84,932	R87,512	NA	R87,513	R92,782
Maine	NA	NA	NA	7,776	7,309	7,992
Maryland	R8,883	R8,919	R12,619	R20,768	R22,880	R24,303
Massachusetts	NA	NA	NA	NA	NA	43,883
Michigan	52,426	63,615	86,554	103,592	108,258	119,161
Minnesota	15,069	21,577	28,735	NA	36,109	42,111
Mississippi	31,012	25,350	28,352	32,928	31,923	34,832
Missouri	13,273	16,373	24,540	34,810	36,000	40,884
Montana	2,913	4,023	NA	7,167	6,773	7,648
Nebraska	4,960	6,627	10,315	12,693	13,835	15,877
Nevada	13,071	11,819	11,155	15,996	17,060	18,682
New Hampshire	NA	1,863	2,201	2,946	2,984	3,058
New Jersey	34,205	35,689	46,321	58,180	65,385	73,028
New Mexico	7,646	7,782	9,599	12,946	14,126	R14,254
New York	R83,727	R83,721	R104,279	R124,184	R128,994	R136,164
North Carolina	16,135	14,532	18,048	24,435	26,037	29,015
North Dakota	NA	2,428	3,079	NA	3,946	5,001
Ohio	R42,132	R53,355	R71,359	R95,800	R99,805	R107,482
Oklahoma	29,123	26,221	34,351	38,577	41,877	40,872
Oregon	11,526	12,786	14,670	21,361	22,285	26,454
Pennsylvania	R33,662	R38,723	R54,038	R71,655	R72,738	R81,644
Rhode Island	5,628	6,234	6,797	NA	8,949	10,617
South Carolina	15,029	14,946	14,556	16,619	17,888	20,585
South Dakota	1,159	1,634	2,602	3,902	3,497	3,932
Tennessee	NA	13,905	19,739	27,347	31,383	36,423
Texas	334,502	300,200	320,744	301,308	276,497	325,721
Utah	5,523	7,465	8,370	15,015	17,435	20,057
Vermont	422	569	804	954	1,143	1,120
Virginia	15,150	14,749	17,069	22,773	26,593	31,232
Washington	11,958	15,835	21,072	27,499	28,051	30,757
West Virginia	R5,373	R7,032	R8,734	R11,760	R12,308	R13,537
Wisconsin	16,314	24,361	31,852	48,191	43,495	49,468
Wyoming	4,289	5,395	NA	NA	5,991	8,500
Total	R1,421,849	R1,444,320	R1,698,196	R2,067,262	R2,045,259	R2,294,141

See footnotes at end of table.

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

(Million Cubic Feet) — Continued

State	2001					
	Total	December	November	October	September	August
Alabama	299,529	25,740	23,645	24,185	21,618	23,487
Alaska	132,428	13,523	11,926	11,290	9,784	10,185
Arizona	218,484	19,526	12,349	14,282	14,492	16,919
Arkansas	217,640	22,233	19,675	18,239	15,014	16,061
California	2,398,461	213,731	174,852	184,135	185,179	204,903
Colorado	332,075	36,430	23,228	17,910	15,012	16,484
Connecticut	143,183	15,375	12,339	11,368	11,297	9,028
Delaware	50,044	3,419	3,908	5,078	4,923	4,609
District of Columbia	29,493	2,737	2,088	1,231	1,087	905
Florida	533,855	47,598	42,205	52,955	55,306	53,352
Georgia	343,212	34,451	23,984	25,681	21,860	26,870
Hawaii	2,818	225	217	220	226	227
Idaho	73,655	8,984	7,528	5,611	4,609	4,145
Illinois	940,403	115,418	74,519	67,168	41,870	46,778
Indiana	494,360	51,997	39,146	34,650	25,697	29,184
Iowa	215,309	23,400	16,864	14,475	10,493	10,177
Kansas	224,347	20,634	14,263	11,363	13,390	17,932
Kentucky	191,531	23,216	16,271	12,591	10,024	9,881
Louisiana	1,067,867	92,641	85,017	92,077	93,089	105,470
Maine	94,569	9,127	9,644	8,864	8,835	9,020
Maryland	181,626	17,772	13,988	13,035	9,245	11,155
Massachusetts	345,791	31,456	24,646	24,627	22,753	23,154
Michigan	874,325	92,054	71,352	59,283	40,141	44,576
Minnesota	321,875	38,521	25,780	22,592	14,708	14,867
Mississippi	298,263	28,355	24,652	28,525	28,537	31,715
Missouri	281,763	29,876	18,230	13,682	12,056	16,218
Montana	54,476	6,696	5,081	3,446	2,135	2,152
Nebraska	118,890	11,012	10,730	5,854	5,506	6,368
Nevada	175,505	17,842	12,525	12,854	12,067	14,023
New Hampshire	23,373	2,520	1,904	1,589	1,182	888
New Jersey	560,887	54,229	42,514	36,818	28,920	34,887
New Mexico	146,581	13,069	9,364	8,499	8,665	10,112
New York	1,165,279	117,809	85,604	85,322	84,793	95,156
North Carolina	196,507	19,179	15,898	14,792	11,188	14,539
North Dakota	38,787	4,459	3,065	3,013	1,944	2,387
Ohio	784,974	86,903	59,755	48,346	32,984	32,526
Oklahoma	441,965	37,151	30,479	33,244	34,531	42,021
Oregon	218,457	22,088	18,230	16,813	15,095	15,534
Pennsylvania	595,675	63,086	46,617	38,461	29,504	27,667
Rhode Island	95,288	9,231	6,918	7,652	7,493	7,536
South Carolina	138,846	12,725	11,334	11,870	9,077	11,625
South Dakota	30,753	3,617	2,126	1,661	1,058	1,496
Tennessee	242,044	23,233	19,007	16,132	11,567	13,228
Texas	3,985,395	306,415	283,703	303,798	310,077	375,467
Utah	134,650	18,505	11,646	9,189	6,572	6,023
Vermont	7,905	827	658	438	361	307
Virginia	228,413	23,733	21,748	14,257	15,146	15,873
Washington	303,411	37,503	30,230	23,585	15,156	16,331
West Virginia	103,414	11,602	9,287	8,401	5,703	5,820
Wisconsin	356,712	41,411	26,978	25,355	16,713	16,533
Wyoming	60,375	6,170	5,518	4,790	3,688	3,541
Total	20,533,988	1,970,692	1,564,429	1,512,641	1,363,740	1,531,802

^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		
				February	January	Total	December	November
Alabama	4.91	4.75	7.75	5.19	4.66	4.74	4.57	4.97
Alaska	2.30	2.43	2.37	2.22	2.35	NA	2.44	NA
Arizona	4.53	3.39	7.18	4.74	4.32	3.79	4.12	3.92
Arkansas	NA	5.27	7.61	NA	NA	NA	NA	NA
California	NA	2.56	11.03	4.89	NA	NA	NA	4.04
Colorado	4.04	2.61	6.03	4.49	3.62	2.67	3.28	3.01
Connecticut	6.61	NA	10.61	5.89	7.33	NA	6.55	6.48
Delaware	5.23	4.28	8.14	5.37	5.11	NA	4.38	NA
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.61	3.32	8.71	5.83	5.49	3.90	4.83	4.74
Georgia	NA	3.17	8.53	NA	NA	4.58	5.36	5.67
Hawaii	8.09	6.30	8.99	8.30	7.89	7.17	7.90	8.20
Idaho	3.24	3.66	6.38	3.20	3.29	NA	3.10	3.11
Illinois	NA	3.36	8.91	6.55	NA	3.68	3.10	4.51
Indiana	NA	3.35	6.95	6.21	NA	3.58	4.10	4.31
Iowa	5.54	3.43	8.46	5.83	5.30	4.15	5.11	4.79
Kansas	5.49	3.73	9.24	5.67	5.33	4.11	5.26	5.07
Kentucky	5.30	4.35	8.89	5.71	4.98	4.45	4.72	4.71
Louisiana	NA	3.49	8.85	NA	5.51	NA	5.12	NA
Maine	5.27	4.36	7.24	5.70	4.90	4.03	4.56	4.61
Maryland	6.35	4.24	8.82	6.90	5.92	NA	5.47	5.24
Massachusetts	NA	4.00	8.63	7.17	NA	NA	NA	4.61
Michigan	4.62	4.50	3.95	4.86	4.38	4.10	4.18	4.11
Minnesota	5.47	3.53	8.12	5.89	5.09	NA	5.08	4.91
Mississippi	NA	3.96	8.48	NA	5.24	NA	4.49	NA
Missouri	4.96	3.80	7.97	5.22	4.75	4.56	4.78	4.92
Montana	4.85	2.88	6.39	5.18	4.61	2.98	4.82	3.70
Nebraska	4.98	3.68	8.34	5.19	4.78	4.09	4.88	4.59
Nevada	4.07	4.23	6.22	4.09	4.04	4.39	4.68	4.45
New Hampshire	NA	4.61	5.56	NA	NA	NA	NA	3.59
New Jersey	6.32	4.55	8.49	6.61	6.08	^5.31	^5.87	5.96
New Mexico	NA	2.49	5.66	NA	NA	2.91	4.04	3.58
New York	NA	3.85	7.84	NA	4.81	NA	4.50	4.22
North Carolina	5.92	3.90	9.14	6.24	5.67	4.52	5.20	5.15
North Dakota	5.03	3.42	7.88	5.21	4.89	NA	5.38	4.42
Ohio	6.48	3.93	9.20	7.05	6.01	^4.72	5.00	4.84
Oklahoma	5.05	4.06	8.36	5.30	4.84	4.23	4.56	4.79
Oregon	4.51	4.90	5.10	4.37	4.64	NA	4.69	4.76
Pennsylvania	5.73	4.78	7.71	6.13	5.44	NA	5.20	5.12
Rhode Island	5.09	4.08	6.70	5.98	4.35	4.79	4.47	5.09
South Carolina	5.96	4.63	9.38	6.28	5.72	4.91	4.89	4.96
South Dakota	5.20	4.07	8.77	5.38	5.03	4.21	5.13	4.23
Tennessee	5.76	4.17	8.59	6.14	5.45	4.13	4.80	4.46
Texas	NA	3.45	8.18	NA	4.90	NA	4.29	NA
Utah	5.04	4.44	6.07	5.12	4.97	4.07	4.56	3.81
Vermont	5.47	5.17	5.45	5.52	5.43	4.85	4.54	4.30
Virginia	6.07	NA	7.92	6.56	5.65	NA	5.52	4.73
Washington	NA	3.08	8.30	NA	5.22	3.83	4.24	4.45
West Virginia	NA	3.86	4.37	NA	NA	4.30	3.89	4.64
Wisconsin	5.36	3.72	8.23	5.73	5.03	4.36	4.90	5.01
Wyoming	2.53	3.98	7.56	2.59	2.47	NA	NA	NA
Total	5.33	3.91	8.09	5.71	5.01	^4.12	^4.63	4.58

See footnotes at end of table.

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

(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	October	September	August	July	June	May	April	March
Alabama	5.05	4.69	4.81	5.18	5.22	4.89	4.37	4.49
Alaska	2.27	2.39	NA	2.38	2.31	2.34	2.39	2.41
Arizona	3.77	4.32	4.26	4.16	3.78	3.80	3.70	3.74
Arkansas	NA							
California	3.35	2.86	2.82	3.10	2.98	3.18	3.85	2.76
Colorado	2.08	1.70	1.59	1.95	3.65	2.38	2.87	3.15
Connecticut	6.32	6.54	7.17	6.97	6.74	6.74	NA	5.71
Delaware	8.54	5.32	4.32	5.38	NA	5.40	5.80	6.70
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.27	3.66	3.47	4.29	3.78	3.95	4.01	3.51
Georgia	5.53	5.27	4.85	5.19	5.27	6.39	3.70	3.18
Hawaii	7.78	7.76	7.53	7.66	7.62	6.66	6.44	6.03
Idaho	3.43	NA	NA	6.28	4.71	3.43	3.36	3.56
Illinois	4.49	4.68	3.30	3.76	3.96	3.53	3.93	3.13
Indiana	3.66	2.96	2.29	2.60	3.80	3.61	3.89	3.37
Iowa	4.41	4.17	5.08	5.01	4.86	4.21	4.03	3.51
Kansas	3.89	3.47	3.21	3.63	4.39	4.26	4.77	3.98
Kentucky	4.35	3.91	4.17	3.77	3.97	4.65	5.47	4.06
Louisiana	4.46	4.37	3.59	3.82	4.10	4.07	3.80	3.23
Maine	3.87	3.15	3.73	3.49	3.76	3.42	3.37	3.99
Maryland	5.44	4.43	NA	5.69	5.46	5.34	5.30	4.18
Massachusetts	5.15	6.26	7.38	7.41	7.35	5.56	4.23	4.29
Michigan	3.87	3.96	3.68	3.84	3.93	3.94	3.51	4.76
Minnesota	4.08	3.96	NA	3.98	4.13	3.83	3.54	3.64
Mississippi	4.31	3.92	3.01	3.78	4.18	3.88	4.42	3.62
Missouri	4.89	5.79	5.60	6.43	6.44	5.46	4.94	4.03
Montana	2.86	2.53	2.00	1.75	2.16	2.76	3.05	2.72
Nebraska	4.03	3.98	4.08	4.02	4.17	4.36	4.31	3.63
Nevada	4.33	4.87	5.18	4.61	3.99	3.81	4.35	4.48
New Hampshire	3.97	3.59	3.37	3.50	3.22	3.43	4.37	3.88
New Jersey	5.98	5.75	5.11	5.65	5.90	5.74	4.48	4.97
New Mexico	2.96	2.20	2.57	2.55	2.17	2.42	2.90	2.44
New York	4.13	NA	3.10	3.21	3.47	3.59	3.57	3.98
North Carolina	4.86	4.75	4.48	4.54	4.92	4.39	4.51	3.81
North Dakota	3.19	3.56	NA	2.42	3.27	3.63	3.54	3.23
Ohio	7.24	4.34	2.48	3.69	5.29	7.73	6.27	5.17
Oklahoma	4.29	4.01	3.34	3.51	3.48	3.93	4.14	3.79
Oregon	5.43	NA	NA	NA	NA	5.69	5.46	5.17
Pennsylvania	5.46	NA	4.56	5.88	5.73	5.62	NA	4.91
Rhode Island	6.02	7.01	5.03	5.99	5.82	5.40	5.08	4.18
South Carolina	5.21	5.19	5.03	5.11	5.35	5.35	5.23	4.39
South Dakota	3.32	3.71	4.25	3.97	4.89	4.10	4.98	3.69
Tennessee	4.01	3.69	3.66	3.82	3.83	4.13	3.50	3.78
Texas	4.35	3.54	3.63	3.44	3.69	4.19	4.13	3.29
Utah	3.53	3.93	2.55	3.48	4.00	3.54	3.60	4.18
Vermont	4.43	5.14	5.53	5.13	5.31	4.65	4.81	4.82
Virginia	5.41	5.98	5.00	5.87	6.28	5.62	4.47	3.33
Washington	3.51	3.81	3.80	4.34	4.73	4.07	4.28	3.86
West Virginia	4.45	5.84	6.64	6.61	6.66	4.67	4.44	3.85
Wisconsin	4.58	5.59	5.76	5.89	5.65	4.19	4.32	3.47
Wyoming	NA	3.99	3.16	NA	2.59	2.62	4.07	3.95
Total	4.28	4.07	3.61	3.90	4.14	4.06	4.16	3.83

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					
	February	January	Total	December	November	October	September	August
Alabama	4.80	4.71	6.63	4.99	4.99	5.11	5.45	6.02
Alaska	2.41	2.44	2.32	2.34	2.30	2.29	2.25	2.22
Arizona	3.35	3.41	5.02	3.25	4.35	3.48	3.95	4.05
Arkansas	5.72	4.01	6.11	5.67	2.60	4.93	3.93	13.25
California	2.42	2.68	6.64	2.80	3.15	2.38	2.71	2.80
Colorado	2.58	2.64	4.25	2.93	3.05	2.28	2.89	3.18
Connecticut	NA	6.72	8.12	5.07	6.30	4.23	5.84	8.54
Delaware	4.07	4.47	5.16	4.39	4.05	3.19	3.31	3.77
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.27	3.35	5.28	3.41	3.58	2.69	2.98	3.72
Georgia	4.21	2.44	6.02	3.77	4.28	3.55	3.81	3.92
Hawaii	6.10	6.49	7.86	6.95	7.53	7.42	7.92	7.90
Idaho	3.53	3.77	4.85	3.74	3.85	3.48	3.50	3.12
Illinois	3.16	3.52	5.54	3.48	3.56	2.46	2.60	3.99
Indiana	3.33	3.37	4.50	3.60	3.90	1.96	2.19	3.01
Iowa	3.39	3.46	5.92	2.09	3.60	2.84	3.78	4.26
Kansas	3.80	3.65	6.06	3.92	4.35	3.02	3.40	4.20
Kentucky	4.69	4.08	6.32	4.85	4.82	4.26	2.36	4.51
Louisiana	3.22	3.91	5.55	3.84	4.78	3.15	3.46	3.64
Maine	4.79	4.02	6.82	11.96	7.35	1.48	3.01	6.56
Maryland	4.44	4.06	6.78	4.61	5.47	4.66	4.34	5.00
Massachusetts	4.24	3.80	6.64	4.32	5.81	3.82	6.59	7.09
Michigan	4.45	4.54	4.08	3.54	3.74	3.68	3.86	4.30
Minnesota	3.65	3.42	5.84	4.02	4.73	2.57	3.67	4.08
Mississippi	3.76	4.14	6.00	4.12	4.41	3.37	3.56	5.94
Missouri	3.97	3.65	6.33	3.61	4.67	3.65	5.44	6.07
Montana	2.64	3.09	3.93	2.41	3.12	1.96	2.23	2.58
Nebraska	3.58	3.77	6.23	3.66	4.13	2.84	4.12	4.18
Nevada	4.27	4.20	5.06	4.18	4.98	3.54	4.67	5.22
New Hampshire	3.14	7.84	4.30	4.35	3.26	0.89	1.90	2.10
New Jersey	4.84	4.31	6.41	4.27	5.47	4.18	4.92	5.47
New Mexico	2.23	2.71	3.99	2.41	2.77	2.36	2.07	2.62
New York	3.47	4.19	4.71	3.84	2.22	3.12	3.02	3.64
North Carolina	3.72	4.06	6.74	4.11	4.73	4.63	5.05	5.55
North Dakota	3.26	3.54	4.82	2.51	4.34	2.10	2.86	3.10
Ohio	R4.28	3.63	8.25	4.89	5.42	5.58	5.13	7.69
Oklahoma	4.07	3.92	6.48	4.49	5.10	4.95	5.18	5.30
Oregon	5.10	4.75	5.04	5.39	5.41	4.60	5.40	5.12
Pennsylvania	5.20	4.44	6.68	5.20	5.03	5.49	6.32	6.06
Rhode Island	4.07	4.08	6.40	4.14	5.28	6.09	7.66	8.09
South Carolina	4.30	4.96	6.16	4.95	5.03	4.18	4.63	5.01
South Dakota	4.04	4.10	6.21	2.05	3.94	3.25	4.16	4.51
Tennessee	3.99	4.35	6.11	4.13	4.79	3.79	3.70	4.46
Texas	3.25	3.61	5.13	3.28	3.83	2.76	3.04	3.86
Utah	4.54	4.34	5.61	5.01	4.69	4.76	6.65	5.82
Vermont	5.01	5.32	4.83	5.15	3.93	5.06	4.06	4.35
Virginia	3.99	NA	6.76	4.62	6.18	5.67	5.49	7.43
Washington	4.09	2.24	5.31	3.88	4.09	3.00	3.55	3.50
West Virginia	3.82	3.90	4.88	10.14	4.40	3.95	2.99	4.21
Wisconsin	3.74	3.71	5.90	3.50	4.33	2.85	3.68	5.04
Wyoming	3.98	3.97	6.39	4.44	4.91	4.63	5.35	6.82
Total	R3.78	4.03	5.72	3.90	4.02	3.37	3.66	4.32

R Revised Data.

NA Not Available.

— Not Applicable.

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

point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 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		
				February	January	Total	December	November
Alabama	9.42	9.80	10.86	9.45	9.40	10.57	9.44	11.47
Alaska	4.25	4.33	4.14	4.33	4.20	NA	4.31	4.26
Arizona	9.87	11.55	8.88	10.18	9.65	12.36	10.42	12.46
Arkansas	NA	8.49	11.02	NA	NA	NA	NA	NA
California	NA	6.91	13.00	8.83	NA	NA	NA	7.87
Colorado	4.51	5.00	7.75	4.45	4.57	5.40	4.48	4.64
Connecticut	11.64	NA	12.89	11.57	11.71	NA	11.10	10.98
Delaware	9.10	10.63	8.01	9.59	8.67	11.05	9.41	10.61
District of Columbia	12.19	10.53	13.25	13.40	11.24	11.19	10.71	11.58
Florida	13.58	11.99	13.92	14.03	13.14	13.91	13.05	15.94
Georgia	10.16	8.87	11.60	11.09	R9.52	R9.92	R9.07	R8.37
Hawaii	24.34	23.37	23.02	24.88	23.82	23.10	18.44	22.93
Idaho	6.66	8.83	7.53	6.67	6.64	8.42	6.76	7.11
Illinois	7.22	5.04	11.63	7.37	7.08	6.32	6.84	7.12
Indiana	8.33	6.76	9.30	8.65	8.06	NA	7.82	7.78
Iowa	7.74	5.65	10.53	7.73	7.75	7.05	7.77	7.45
Kansas	7.10	7.36	9.76	7.33	6.88	8.06	7.00	7.24
Kentucky	7.42	7.43	9.84	7.52	7.33	7.56	7.05	7.12
Louisiana	NA	6.77	12.01	NA	8.38	NA	8.59	NA
Maine	10.76	11.08	11.39	11.77	9.87	NA	13.09	12.18
Maryland	9.33	8.76	12.32	9.50	R9.19	R9.71	R9.15	R9.21
Massachusetts	NA	9.67	11.53	11.33	NA	NA	NA	9.81
Michigan	6.17	5.91	5.05	6.21	6.13	6.32	6.04	6.25
Minnesota	7.51	5.88	11.00	7.79	7.25	NA	7.05	7.19
Mississippi	NA	6.81	11.20	NA	8.89	NA	7.41	NA
Missouri	7.88	7.21	9.80	8.01	7.75	7.94	7.75	7.97
Montana	5.93	5.58	7.05	6.02	5.84	5.27	4.98	4.65
Nebraska	6.60	5.34	9.75	6.68	6.52	6.12	6.30	6.43
Nevada	8.14	9.31	7.75	8.31	7.99	9.69	8.64	9.80
New Hampshire	NA	9.32	12.10	9.63	NA	NA	NA	R9.23
New Jersey	7.52	7.14	6.94	7.62	7.42	7.26	7.34	7.48
New Mexico	NA	6.82	7.37	NA	NA	6.60	6.32	6.53
New York	NA	8.94	11.90	NA	R9.41	R9.76	R9.20	R9.78
North Carolina	9.34	8.45	12.07	9.35	R9.34	9.36	9.40	9.53
North Dakota	6.24	4.77	9.54	6.39	6.11	NA	5.41	5.13
Ohio	8.08	7.26	9.76	8.41	R7.78	R7.52	R7.59	R7.82
Oklahoma	6.57	7.49	9.43	6.77	6.37	NA	7.06	7.78
Oregon	9.27	10.52	8.87	9.33	9.23	10.55	9.32	9.59
Pennsylvania	9.45	8.44	10.48	9.45	R9.45	R9.43	R9.17	R9.43
Rhode Island	10.73	11.19	11.44	10.66	10.81	11.38	8.58	11.56
South Carolina	10.61	9.65	12.80	10.46	10.74	10.02	10.26	10.92
South Dakota	7.25	6.02	10.79	7.63	6.92	6.77	7.47	6.39
Tennessee	9.19	7.29	11.29	9.33	9.07	7.87	8.00	8.08
Texas	NA	6.01	10.02	NA	6.92	NA	6.99	NA
Utah	6.88	6.18	8.36	6.61	7.16	6.38	6.77	6.33
Vermont	9.28	9.97	9.20	9.23	9.33	10.39	9.45	9.82
Virginia	NA	8.45	12.06	NA	9.27	9.71	9.19	8.90
Washington	NA	9.61	8.96	NA	7.46	9.35	7.47	8.19
West Virginia	NA	NA	7.42	NA	NA	NA	7.84	8.08
Wisconsin	8.42	6.79	10.67	8.64	8.23	7.37	8.02	8.21
Wyoming	5.98	5.45	8.18	5.94	6.02	NA	4.20	5.02
Total	8.19	7.28	10.18	8.40	R7.99	R7.85	R7.77	R7.98

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							
	October	September	August	July	June	May	April	March
Alabama	14.52	14.37	14.52	14.40	12.98	13.39	11.07	9.40
Alaska	4.31	4.56	4.94	5.17	NA	4.50	4.33	4.31
Arizona	15.00	16.03	16.37	16.04	14.59	13.73	12.26	12.27
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	7.50	7.26	7.15	7.20	7.16	7.29	6.84	5.99
Colorado	5.08	7.76	9.31	9.06	9.07	6.81	5.90	5.45
Connecticut	11.89	14.52	12.46	15.04	12.56	12.17	11.12	10.11
Delaware	13.72	15.71	15.95	14.97	13.64	12.31	11.18	10.81
District of Columbia	11.77	15.60	11.36	11.55	11.59	11.87	12.76	10.88
Florida	16.89	17.09	16.96	16.53	15.73	15.15	13.81	12.28
Georgia	R11.29	R13.81	R13.98	R14.73	R13.40	R13.37	R11.78	R9.52
Hawaii	19.51	24.67	26.27	24.92	23.67	23.59	23.17	23.21
Idaho	7.58	7.94	8.63	9.56	9.74	9.34	9.16	8.96
Illinois	7.40	9.52	10.07	10.27	10.00	7.89	5.62	5.05
Indiana	7.58	10.95	11.35	NA	NA	8.89	7.67	6.37
Iowa	8.45	12.51	13.51	13.02	10.49	7.52	6.43	5.90
Kansas	10.12	12.12	12.61	12.64	11.69	10.43	8.69	7.39
Kentucky	9.05	10.44	11.28	11.32	9.65	10.15	7.47	6.25
Louisiana	NA	NA	8.89	8.83	8.12	9.12	7.79	6.77
Maine	11.66	12.43	14.04	13.74	NA	10.51	11.69	11.55
Maryland	R10.35	R12.72	R14.78	R14.77	R13.24	R11.83	R10.55	R9.05
Massachusetts	9.75	11.64	12.05	10.96	9.76	9.05	9.62	9.72
Michigan	7.02	8.85	9.20	8.65	7.18	6.52	6.14	6.11
Minnesota	6.60	7.85	NA	8.38	7.84	6.62	6.80	5.87
Mississippi	9.87	8.22	7.65	7.94	8.46	8.77	7.83	6.37
Missouri	10.09	12.47	13.46	12.69	10.71	8.89	7.40	6.91
Montana	4.87	6.06	6.84	6.35	5.85	5.16	5.23	4.98
Nebraska	7.65	9.48	9.83	9.54	8.49	7.11	5.81	5.19
Nevada	10.96	11.36	11.85	11.45	10.78	10.55	9.64	9.20
New Hampshire	11.05	12.08	13.24	11.54	10.30	10.15	9.88	9.57
New Jersey	8.24	8.08	8.15	8.02	7.67	6.72	6.71	6.95
New Mexico	8.24	9.56	9.78	9.65	9.07	7.77	5.23	4.45
New York	R11.57	R13.12	R13.47	R12.42	R11.89	R10.01	R9.41	R9.20
North Carolina	11.53	14.85	16.04	15.20	13.50	11.06	8.79	8.02
North Dakota	4.44	6.43	NA	7.74	7.37	6.07	5.30	4.52
Ohio	R8.52	R10.41	R10.60	R8.97	R8.07	R7.17	R6.99	R6.77
Oklahoma	9.88	11.03	10.84	NA	9.82	9.10	7.54	7.48
Oregon	11.25	12.77	13.14	12.29	11.55	10.61	10.73	10.61
Pennsylvania	R11.86	R14.02	14.49	R13.49	11.90	R10.25	R8.92	R8.55
Rhode Island	13.41	15.00	15.71	14.57	12.72	11.74	11.75	11.45
South Carolina	11.34	11.87	11.70	11.27	10.75	10.40	10.01	9.26
South Dakota	6.55	9.32	10.26	10.81	9.45	7.29	6.67	6.17
Tennessee	9.67	10.47	10.92	10.72	9.77	9.39	7.70	7.27
Texas	9.08	10.76	10.84	10.53	10.32	11.03	6.34	5.18
Utah	5.59	7.48	7.53	7.22	7.10	6.52	6.68	6.06
Vermont	11.77	14.04	14.29	13.59	11.84	10.79	10.27	10.05
Virginia	11.15	15.67	12.92	16.41	16.98	12.87	11.17	8.49
Washington	9.29	10.46	10.56	10.42	10.17	9.98	9.78	9.71
West Virginia	8.87	11.63	12.85	11.93	R12.02	8.98	R8.46	R8.06
Wisconsin	6.88	8.54	8.95	8.99	8.39	6.90	7.64	6.68
Wyoming	5.18	7.43	10.14	NA	6.59	5.81	5.41	5.22
Total	R8.56	R10.19	R10.41	R10.15	R9.56	R8.54	R7.64	R7.05

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					
	February	January	Total	December	November	October	September	August
Alabama	10.06	9.58	12.06	11.85	11.92	13.21	15.95	15.99
Alaska	4.27	4.39	4.23	4.10	4.05	4.27	4.51	4.74
Arizona	11.41	11.67	10.51	11.55	13.33	14.08	14.49	14.72
Arkansas	8.42	8.56	10.03	8.32	8.74	8.52	11.32	11.21
California	6.67	7.11	10.43	6.08	5.88	6.05	7.33	8.26
Colorado	4.73	5.25	8.36	5.32	6.14	10.15	12.99	13.49
Connecticut	NA	10.88	12.20	10.56	10.92	10.98	14.10	13.53
Delaware	10.75	10.53	9.06	9.32	9.62	10.73	12.24	12.94
District of Columbia	10.23	10.78	12.65	11.11	10.97	12.09	13.22	10.85
Florida	11.75	12.16	15.73	13.64	14.57	15.81	17.04	17.22
Georgia	R8.72	R9.00	10.58	7.69	10.15	7.96	12.44	11.10
Hawaii	23.30	23.44	22.55	23.88	24.02	21.82	22.29	22.52
Idaho	8.79	8.88	8.48	8.96	9.15	9.60	10.03	10.26
Illinois	5.01	5.07	9.04	5.10	5.45	5.25	7.64	9.40
Indiana	6.58	6.90	9.57	6.45	7.68	8.35	11.07	13.68
Iowa	5.71	5.60	8.90	4.25	6.93	6.18	10.37	11.58
Kansas	7.15	7.54	9.38	7.30	8.48	9.96	14.26	11.46
Kentucky	7.51	7.35	9.54	7.25	7.60	9.58	11.28	12.21
Louisiana	6.80	6.75	10.47	7.96	8.28	8.98	10.24	10.85
Maine	11.42	10.75	12.31	9.80	14.53	12.73	13.61	16.89
Maryland	R8.34	R9.16	11.66	9.32	9.78	8.95	13.51	14.68
Massachusetts	9.46	9.88	12.80	11.28	11.92	12.92	15.13	16.69
Michigan	6.07	5.78	5.77	5.93	5.97	6.34	7.83	9.12
Minnesota	5.75	5.98	8.74	5.81	6.91	5.51	7.30	8.70
Mississippi	7.04	6.66	10.32	8.27	7.98	8.04	9.70	10.61
Missouri	7.25	7.18	10.47	7.59	10.37	12.34	14.74	15.87
Montana	5.35	5.77	7.26	6.33	6.59	6.99	8.87	9.16
Nebraska	5.26	5.40	8.71	6.18	6.54	7.02	9.17	9.93
Nevada	9.07	9.53	8.96	8.23	11.16	11.53	12.11	12.27
New Hampshire	9.46	9.17	12.75	11.84	14.17	13.00	14.90	16.20
New Jersey	6.91	7.35	7.70	8.14	8.45	9.21	8.76	9.29
New Mexico	8.13	5.51	7.32	5.15	5.97	7.43	8.40	9.08
New York	R8.74	R9.12	11.75	10.89	11.16	11.57	13.14	14.41
North Carolina	8.59	8.33	12.34	10.48	10.19	11.81	15.33	16.94
North Dakota	4.71	4.82	7.68	4.86	5.15	4.92	7.28	7.10
Ohio	R7.22	R7.29	9.67	7.12	7.30	8.97	10.28	9.89
Oklahoma	7.61	7.38	9.58	7.33	9.13	10.60	12.14	12.13
Oregon	10.55	10.49	9.70	10.57	10.83	11.19	11.44	11.48
Pennsylvania	R8.68	R8.23	11.51	9.50	10.41	11.89	15.74	16.88
Rhode Island	11.26	11.13	12.17	12.25	13.35	13.68	13.54	14.94
South Carolina	9.93	9.43	12.09	10.49	9.69	11.70	13.33	13.73
South Dakota	6.03	6.00	8.57	4.64	6.57	5.84	8.72	9.14
Tennessee	7.62	7.04	10.16	7.97	8.26	9.62	10.38	12.30
Texas	6.69	5.55	8.90	5.53	7.63	7.70	9.90	6.73
Utah	6.17	6.18	8.09	7.03	7.48	6.82	9.53	9.34
Vermont	9.97	9.97	10.07	10.44	11.07	12.52	14.38	14.14
Virginia	7.97	8.86	11.96	9.14	10.22	13.04	16.13	16.83
Washington	9.60	9.62	9.79	9.59	9.72	10.22	11.27	11.87
West Virginia	7.99	NA	8.01	8.55	8.07	8.50	9.91	10.54
Wisconsin	6.59	6.97	8.76	6.54	7.46	5.01	6.44	9.18
Wyoming	5.64	5.35	8.45	6.61	7.23	8.64	10.64	11.10
Total	R7.27	R7.28	9.64	7.30	7.98	8.24	10.17	10.89

^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		
				February	January	Total	December	November
Alabama	8.75	8.76	10.10	8.80	8.70	8.99	8.69	9.20
Alaska	3.55	3.37	3.10	3.77	3.39	3.08	2.92	2.77
Arizona	7.61	9.19	7.63	7.63	7.59	8.45	7.68	8.01
Arkansas	NA	7.02	8.81	NA	NA	NA	NA	NA
California	NA	6.21	13.29	8.18	NA	NA	NA	6.94
Colorado	4.13	4.56	7.54	4.10	4.16	4.58	3.94	4.15
Connecticut	9.84	NA	9.98	9.57	10.08	NA	8.74	8.40
Delaware	7.93	9.42	10.02	8.26	7.61	9.40	8.15	8.84
District of Columbia	NA	10.24	13.60	12.13	NA	10.44	10.09	10.69
Florida	9.85	7.71	11.42	10.15	9.56	7.98	8.71	8.49
Georgia	8.47	6.96	11.71	8.97	8.09	8.05	8.31	7.46
Hawaii	18.62	17.31	18.53	18.65	18.59	17.81	18.89	17.42
Idaho	6.04	8.23	6.72	6.05	6.03	7.73	6.12	6.59
Illinois	7.09	5.13	10.96	7.19	6.99	6.19	6.75	6.93
Indiana	7.77	6.16	8.52	7.82	7.73	6.74	6.97	6.76
Iowa	6.84	4.70	8.96	6.90	6.78	5.48	6.09	6.01
Kansas	7.05	6.81	9.40	7.29	6.80	7.07	6.97	6.34
Kentucky	7.13	7.31	9.56	7.28	6.99	7.07	6.92	7.23
Louisiana	NA	6.37	11.97	NA	8.03	6.96	8.15	8.04
Maine	9.94	10.42	10.32	9.76	10.13	NA	9.01	9.41
Maryland	7.70	6.93	11.75	7.85	7.57	8.62	7.19	8.84
Massachusetts	9.77	8.97	10.91	10.76	8.80	NA	NA	8.98
Michigan	6.05	5.75	4.95	6.07	6.03	6.05	6.22	6.01
Minnesota	6.96	4.75	10.36	7.28	6.66	NA	6.24	6.20
Mississippi	NA	5.73	10.68	NA	7.54	NA	6.71	NA
Missouri	7.67	6.89	9.85	7.81	7.52	7.08	7.43	7.23
Montana	5.98	5.65	6.47	6.10	5.87	5.28	5.05	4.69
Nebraska	6.37	4.78	9.52	6.57	6.15	5.02	5.88	5.52
Nevada	7.26	8.06	6.96	7.34	7.19	7.66	7.47	7.77
New Hampshire	NA	8.32	11.59	9.04	NA	8.02	8.83	8.21
New Jersey	7.83	5.57	9.69	8.09	7.57	6.31	7.25	7.08
New Mexico	NA	4.37	7.72	NA	NA	4.53	5.25	4.84
New York	NA	6.96	11.99	NA	8.13	6.49	7.60	6.38
North Carolina	8.05	6.99	10.94	8.07	8.02	7.15	7.67	7.85
North Dakota	6.01	4.90	9.43	6.25	5.78	NA	5.16	4.92
Ohio	7.48	6.38	8.98	7.93	7.11	6.31	6.71	6.67
Oklahoma	6.97	7.40	9.36	7.13	6.80	7.29	7.18	7.09
Oregon	7.75	9.16	7.54	7.74	7.76	8.83	7.78	7.76
Pennsylvania	8.48	7.22	10.60	8.83	8.16	7.44	7.99	7.92
Rhode Island	9.38	10.09	10.38	9.34	9.43	10.09	9.19	10.07
South Carolina	8.72	7.86	12.23	9.52	8.09	7.89	8.66	8.58
South Dakota	6.30	4.79	10.01	6.59	6.04	5.25	6.17	5.24
Tennessee	7.80	7.01	11.10	8.52	7.13	7.11	7.37	7.24
Texas	NA	5.00	8.62	NA	6.28	NA	6.36	NA
Utah	5.50	5.26	7.20	5.34	5.66	5.21	5.57	5.33
Vermont	7.79	8.26	7.71	7.78	7.79	8.20	7.80	7.81
Virginia	NA	6.64	10.72	NA	6.39	7.00	7.54	6.81
Washington	NA	8.85	8.02	NA	7.06	8.30	6.71	7.28
West Virginia	NA	7.35	5.47	NA	NA	7.48	7.11	7.38
Wisconsin	7.47	5.77	9.71	7.66	7.30	6.14	7.01	7.00
Wyoming	4.63	5.06	7.45	4.66	4.59	4.76	3.59	4.07
Total	7.55	6.46	9.63	7.83	7.29	6.56	7.04	6.74

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							
	October	September	August	July	June	May	April	March
Alabama	9.62	9.56	9.57	9.55	9.22	9.45	9.24	8.63
Alaska	3.19	3.14	3.14	3.23	1.99	2.91	3.34	3.40
Arizona	8.20	8.09	8.09	7.99	8.03	8.16	8.24	9.04
Arkansas	NA							
California	5.77	5.40	5.29	5.44	5.36	5.63	6.07	5.50
Colorado	4.06	5.07	5.49	5.56	5.68	4.97	4.83	5.04
Connecticut	7.79	5.24	6.29	6.93	7.35	6.83	7.25	5.98
Delaware	10.07	10.50	10.73	10.83	10.67	9.77	9.70	9.41
District of Columbia	10.19	10.96	10.51	10.36	10.71	10.53	11.61	10.36
Florida	8.06	8.35	8.09	8.10	8.05	7.91	7.73	7.34
Georgia	R8.78	R9.59	R10.25	R11.20	R10.46	R9.46	R9.45	R7.54
Hawaii	18.55	18.38	17.83	18.41	18.39	17.24	16.97	16.92
Idaho	6.72	6.56	6.86	7.79	8.75	8.66	8.59	8.30
Illinois	6.89	7.74	8.21	8.61	8.91	7.36	5.61	5.31
Indiana	6.21	7.89	8.03	9.38	8.91	7.95	7.27	5.80
Iowa	5.92	6.82	7.34	7.12	6.63	5.81	5.21	4.98
Kansas	7.63	7.67	7.50	8.46	8.84	8.09	7.59	6.64
Kentucky	7.24	8.03	8.06	7.77	7.40	7.23	6.71	6.03
Louisiana	7.60	R7.32	6.66	6.92	6.37	6.71	6.67	6.56
Maine	8.45	7.93	7.77	7.94	8.37	7.75	NA	10.36
Maryland	R6.81	R5.99	R7.00	R6.60	R5.81	R7.19	R6.73	R6.74
Massachusetts	5.92	6.72	7.59	7.58	7.96	7.53	8.28	8.29
Michigan	6.51	7.51	7.44	6.97	6.56	6.10	5.82	5.91
Minnesota	5.36	5.38	NA	5.27	5.53	5.76	5.83	5.07
Mississippi	6.62	5.95	5.37	5.52	4.58	6.32	6.43	4.99
Missouri	7.55	8.11	8.46	8.46	7.58	6.97	6.69	6.45
Montana	4.69	5.64	5.86	5.86	5.67	5.27	5.33	5.06
Nebraska	4.88	4.81	4.64	4.84	5.01	5.11	4.91	4.62
Nevada	7.76	7.55	7.50	7.53	6.81	7.23	7.02	8.07
New Hampshire	7.14	6.09	6.12	6.45	7.07	7.28	8.39	8.19
New Jersey	7.24	6.47	6.52	6.53	6.27	5.89	5.79	6.41
New Mexico	4.83	7.71	5.05	4.89	4.98	4.64	3.65	3.47
New York	R6.30	R5.58	R5.41	R5.56	R6.06	R6.47	R6.65	R6.73
North Carolina	7.33	7.66	7.83	7.84	6.85	6.53	6.34	6.54
North Dakota	4.01	4.33	NA	4.56	5.02	4.42	5.01	4.34
Ohio	R6.62	R6.53	R6.64	R6.11	R6.00	R5.90	R5.92	R5.81
Oklahoma	7.70	7.66	7.25	7.18	7.36	7.13	6.87	7.35
Oregon	8.69	9.32	9.28	9.04	9.17	8.82	9.11	9.12
Pennsylvania	R7.77	R7.24	R7.13	R7.49	R7.37	R7.29	R7.17	R7.16
Rhode Island	9.93	11.57	10.55	10.90	11.04	9.83	10.40	10.14
South Carolina	7.47	7.47	7.37	7.20	7.55	7.35	8.07	7.81
South Dakota	4.87	5.63	5.91	5.95	6.10	5.60	5.15	5.03
Tennessee	7.44	7.26	7.37	8.31	7.09	7.27	6.63	6.74
Texas	6.25	5.60	5.44	5.53	5.35	5.86	5.55	4.70
Utah	4.57	5.45	5.15	4.92	4.92	4.86	5.14	5.17
Vermont	8.08	8.63	8.69	8.68	8.49	8.29	8.29	8.23
Virginia	6.82	7.99	7.62	7.91	8.38	7.57	7.23	5.81
Washington	7.80	8.09	8.03	7.92	8.34	8.79	8.77	8.90
West Virginia	7.67	9.09	9.39	9.25	8.73	R8.21	R7.42	R6.99
Wisconsin	R5.48	R5.83	5.86	6.09	6.11	5.41	6.49	5.70
Wyoming	4.23	4.92	5.59	4.91	5.06	4.87	4.90	4.92
Total	R6.52	R6.45	R6.40	R6.52	R6.56	R6.62	R6.54	R6.26

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					
	February	January	Total	December	November	October	September	August
Alabama	8.99	8.54	10.41	9.73	9.55	10.04	11.00	11.22
Alaska	3.32	3.42	3.16	3.39	3.30	3.31	3.20	3.03
Arizona	8.98	9.40	7.86	8.86	8.46	7.98	7.94	7.99
Arkansas	6.90	7.13	7.80	7.07	6.61	6.04	6.49	6.80
California	5.84	6.53	9.33	5.35	5.18	4.67	5.56	6.69
Colorado	4.18	4.91	7.71	4.84	5.18	8.13	9.70	9.79
Connecticut	NA	7.41	7.68	7.27	5.56	7.35	4.39	7.01
Delaware	9.34	9.49	10.27	10.30	10.38	10.99	11.48	12.09
District of Columbia	10.07	10.39	12.02	10.55	10.35	9.77	9.79	10.15
Florida	7.63	7.77	10.50	7.60	7.60	7.99	8.75	8.93
Georgia	R7.06	R6.87	9.19	6.60	6.26	6.26	6.03	6.42
Hawaii	17.03	17.58	17.61	18.00	18.27	17.48	17.30	17.54
Idaho	8.18	8.29	7.58	8.06	8.27	9.56	8.21	8.20
Illinois	5.11	5.14	8.55	5.15	5.49	4.80	6.30	7.54
Indiana	5.87	6.41	8.64	5.82	7.22	7.35	9.19	13.22
Iowa	4.69	4.72	7.24	3.20	5.22	4.21	6.23	6.83
Kansas	6.55	7.05	8.52	6.72	6.89	7.31	7.70	7.62
Kentucky	7.12	7.50	9.20	7.28	7.54	9.12	9.46	9.17
Louisiana	6.16	6.61	8.59	7.30	7.47	5.27	5.85	7.25
Maine	10.81	10.08	10.77	13.43	9.63	5.52	9.15	12.18
Maryland	R6.61	R7.24	10.15	7.94	8.49	7.10	7.96	8.78
Massachusetts	8.78	9.15	11.41	9.63	9.48	11.18	10.94	10.68
Michigan	5.88	5.63	5.45	5.73	5.66	5.97	6.54	7.13
Minnesota	4.70	4.79	7.50	4.72	5.65	3.80	4.51	5.27
Mississippi	5.63	5.83	8.17	5.77	6.24	4.83	6.60	5.50
Missouri	6.84	6.94	9.82	6.35	9.44	10.05	10.82	11.59
Montana	5.44	5.82	7.35	6.84	6.94	7.20	8.58	8.64
Nebraska	4.65	4.89	7.47	5.29	4.95	4.17	4.91	5.46
Nevada	7.81	8.28	8.00	8.21	9.83	8.54	8.48	8.81
New Hampshire	8.15	8.48	11.15	8.88	8.68	9.90	11.71	12.48
New Jersey	5.72	5.44	7.73	6.06	5.54	6.27	6.46	6.72
New Mexico	4.12	R4.63	6.77	5.04	4.76	5.09	4.38	5.51
New York	R6.94	R6.97	9.61	7.32	6.92	6.47	7.12	7.63
North Carolina	6.94	7.03	10.14	8.09	7.93	8.52	9.07	9.80
North Dakota	3.78	5.77	6.96	4.39	4.71	3.88	5.15	5.49
Ohio	R6.31	R6.45	8.67	6.37	6.09	7.58	8.06	7.78
Oklahoma	7.50	7.32	8.83	7.15	7.65	7.73	8.61	7.95
Oregon	9.18	9.15	7.99	9.12	9.05	8.55	8.02	8.02
Pennsylvania	R7.18	R7.25	10.67	8.48	9.71	9.65	11.52	11.80
Rhode Island	10.10	10.09	10.69	10.67	11.26	11.41	11.25	11.76
South Carolina	7.73	7.98	10.03	8.15	8.12	8.06	8.58	8.68
South Dakota	4.71	4.85	7.16	3.53	5.09	4.02	5.34	5.39
Tennessee	7.20	6.85	9.40	7.39	7.57	7.78	8.02	8.74
Texas	5.31	4.79	6.49	4.37	5.81	4.18	3.66	4.90
Utah	5.25	5.26	6.78	6.06	6.49	5.77	7.32	7.14
Vermont	8.30	8.23	7.95	8.35	8.61	8.65	8.85	8.69
Virginia	6.80	6.49	9.36	6.61	8.27	7.94	8.61	9.08
Washington	8.86	8.85	8.62	8.57	8.50	8.48	8.75	9.24
West Virginia	R7.53	R7.19	7.04	9.10	7.74	7.74	7.85	7.98
Wisconsin	5.52	5.99	7.54	5.41	6.13	3.60	4.54	6.36
Wyoming	5.30	4.93	8.27	4.90	6.65	8.08	8.81	8.94
Total	R6.43	R6.48	8.43	6.35	6.79	6.39	6.96	7.61

^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		
				February	January	Total	December	November
Alabama	NA	4.74	9.07	6.82	NA	4.30	4.55	4.66
Alaska	1.77	1.71	1.56	1.82	1.72	1.64	1.68	1.69
Arizona	6.55	7.16	6.70	5.70	7.37	NA	5.94	6.12
Arkansas	NA	5.09	7.77	NA	5.30	NA	NA	NA
California	NA	5.15	8.47	7.18	NA	NA	NA	NA
Colorado	6.38	7.37	6.47	6.57	6.25	NA	6.21	5.52
Connecticut	7.70	5.19	10.81	8.11	7.38	5.02	6.29	5.68
Delaware	5.65	6.31	5.35	5.88	5.40	6.16	5.53	5.84
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.87	4.10	8.17	6.19	5.46	4.72	5.43	4.87
Georgia	6.84	4.19	9.72	7.09	6.55	5.23	6.20	5.93
Hawaii	10.76	9.52	11.74	10.92	10.62	10.17	10.71	10.98
Idaho	5.46	7.65	5.08	5.37	5.56	6.76	4.91	4.26
Illinois	6.56	4.39	10.08	6.85	6.29	5.18	6.04	6.02
Indiana	7.51	6.94	8.90	8.04	7.06	5.74	6.16	5.41
Iowa	7.61	4.64	8.98	7.77	7.46	5.37	6.88	6.01
Kansas	6.64	5.11	9.51	6.58	6.74	4.10	5.28	5.48
Kentucky	6.12	4.74	8.52	6.40	5.89	4.59	5.31	5.41
Louisiana	NA	3.52	8.37	5.62	NA	3.90	4.60	4.57
Maine	10.15	NA	9.56	9.95	10.32	NA	7.81	6.25
Maryland	8.52	6.84	12.75	8.61	8.40	NA	8.06	6.68
Massachusetts	NA	8.44	8.38	9.35	NA	NA	NA	6.27
Michigan	4.95	4.97	4.37	5.02	4.87	NA	3.70	5.03
Minnesota	5.62	3.74	8.55	5.88	5.36	NA	4.74	5.05
Mississippi	5.85	3.96	9.94	6.12	5.60	4.37	5.27	5.13
Missouri	7.27	5.63	8.91	7.47	7.05	5.85	6.76	6.41
Montana	4.75	4.10	5.27	4.81	4.70	3.92	4.01	3.70
Nebraska	5.39	3.85	8.27	5.57	5.22	4.14	4.95	4.75
Nevada	8.50	7.45	5.70	8.64	8.39	7.69	7.17	9.32
New Hampshire	NA	NA	11.30	8.26	NA	NA	NA	6.99
New Jersey	7.02	4.30	10.87	7.63	6.38	4.92	6.24	5.59
New Mexico	NA	4.52	4.55	NA	NA	4.19	6.23	5.34
New York	NA	6.33	10.16	NA	7.12	5.65	4.69	6.45
North Carolina	5.81	4.78	9.99	5.84	5.77	4.87	6.49	5.76
North Dakota	5.00	1.65	8.37	6.14	4.58	4.06	5.00	4.69
Ohio	7.13	6.43	6.82	7.46	6.78	6.25	6.59	6.68
Oklahoma	6.80	6.97	8.80	7.13	6.47	6.57	6.34	6.15
Oregon	6.04	7.39	6.07	6.20	5.88	6.95	5.90	5.83
Pennsylvania	8.16	7.52	7.90	8.39	7.97	6.89	7.21	7.37
Rhode Island	9.41	6.78	8.59	7.29	R13.24	5.20	6.89	3.16
South Carolina	6.84	3.73	9.19	7.11	6.58	4.52	5.54	5.39
South Dakota	5.08	4.12	8.27	5.27	4.89	4.26	4.61	4.35
Tennessee	7.25	5.25	9.77	7.30	7.21	5.22	5.92	5.60
Texas	5.18	2.63	7.79	5.80	4.67	3.35	4.17	4.01
Utah	4.31	4.85	6.46	4.30	4.31	3.90	4.29	3.69
Vermont	4.82	4.43	7.17	4.67	4.92	4.39	4.80	4.47
Virginia	NA	5.21	8.92	NA	6.33	4.46	5.84	4.25
Washington	NA	5.61	7.38	NA	5.05	4.80	5.15	4.60
West Virginia	NA	4.29	8.05	NA	4.72	4.57	4.71	4.70
Wisconsin	6.80	5.28	10.15	6.98	6.62	R5.42	R6.35	R6.58
Wyoming	NA	4.76	6.17	NA	NA	4.52	4.50	4.39
Total	5.68	3.91	8.04	6.14	5.27	4.01	R4.82	4.66

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							
	October	September	August	July	June	May	April	March
Alabama	3.75	3.95	3.72	3.89	3.95	4.77	4.28	4.28
Alaska	1.55	1.57	1.56	1.58	1.66	1.62	1.64	1.66
Arizona	6.07	6.38	6.35	6.31	6.20	6.34	6.44	NA
Arkansas	NA							
California	5.16	4.58	4.42	4.66	4.57	4.98	5.63	4.37
Colorado	4.68	4.43	4.23	4.32	4.69	4.88	5.16	NA
Connecticut	4.93	4.97	4.16	4.12	4.76	4.86	4.15	4.94
Delaware	6.34	6.68	6.47	6.29	7.23	5.47	6.16	6.11
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.96	4.86	4.75	4.82	5.12	4.84	4.29	4.97
Georgia	5.31	5.37	5.23	5.51	5.42	7.25	5.01	3.76
Hawaii	10.24	10.65	10.43	10.22	10.63	9.97	9.66	9.85
Idaho	5.45	5.43	5.94	5.70	7.48	7.78	7.75	8.07
Illinois	5.38	5.17	5.36	5.19	5.67	6.02	4.84	4.43
Indiana	4.37	4.42	5.04	5.47	6.17	7.63	7.18	4.60
Iowa	5.48	4.92	4.75	5.03	5.17	5.16	4.79	4.69
Kansas	4.62	3.93	3.75	3.83	3.88	3.99	4.00	4.02
Kentucky	4.62	4.21	3.95	4.10	4.22	4.46	4.53	4.11
Louisiana	4.18	4.34	3.41	3.78	3.78	3.80	3.69	3.62
Maine	5.51	4.57	4.40	4.39	4.41	4.93	4.43	3.73
Maryland	6.62	5.90	NA	5.93	8.24	8.15	NA	6.75
Massachusetts	6.13	6.85	8.15	6.99	10.43	11.38	11.22	12.43
Michigan	5.14	5.20	5.39	NA	5.09	4.93	4.81	4.97
Minnesota	4.26	4.02	NA	NA	4.88	3.96	4.54	3.48
Mississippi	4.75	4.18	4.11	4.19	4.25	4.25	4.52	3.83
Missouri	6.28	6.02	6.08	6.29	5.92	5.94	5.88	5.00
Montana	4.12	4.67	5.14	4.57	3.74	3.41	3.58	3.72
Nebraska	4.12	3.98	3.82	4.04	3.64	4.33	4.36	3.90
Nevada	8.96	8.98	8.92	9.01	6.63	7.03	6.73	7.85
New Hampshire	6.55	6.30	6.63	6.81	5.53	5.99	NA	NA
New Jersey	5.32	4.34	4.81	5.01	4.95	5.06	4.86	4.17
New Mexico	4.01	3.80	3.79	3.77	3.96	3.90	3.43	3.94
New York	5.59	5.27	5.23	5.37	5.21	5.58	5.75	6.25
North Carolina	4.97	4.59	4.58	4.91	4.81	4.24	4.56	3.54
North Dakota	4.21	3.79	3.84	3.83	3.92	5.30	4.49	6.24
Ohio	6.26	6.62	5.88	5.39	5.56	5.34	6.06	5.80
Oklahoma	6.07	5.39	4.85	7.07	6.39	6.04	7.61	7.04
Oregon	5.87	7.32	7.18	6.74	7.06	7.23	7.15	7.29
Pennsylvania	6.21	5.92	6.08	6.11	5.96	6.25	7.06	7.50
Rhode Island	5.54	4.59	4.65	4.91	4.67	6.88	5.75	5.87
South Carolina	5.11	4.72	4.62	4.53	4.50	4.51	4.36	3.72
South Dakota	3.98	3.88	4.49	4.51	4.53	4.41	4.06	4.08
Tennessee	5.12	5.07	4.56	4.57	4.99	5.26	5.21	5.29
Texas	3.70	3.47	3.18	3.46	3.47	3.58	2.89	2.78
Utah	2.59	2.59	2.79	2.87	4.05	4.34	4.63	4.59
Vermont	4.61	4.22	4.04	4.19	4.23	4.41	4.08	4.36
Virginia	3.34	2.97	3.52	3.88	4.40	4.10	4.79	4.98
Washington	3.86	4.37	4.57	3.41	5.28	4.52	5.09	4.85
West Virginia	5.01	4.33	4.34	4.35	4.74	4.54	4.76	4.05
Wisconsin	4.99	4.57	4.42	4.80	5.35	4.65	5.70	5.02
Wyoming	4.09	4.20	4.32	4.21	4.69	4.60	4.73	4.71
Total	4.13	3.86	3.64	3.78	3.86	4.05	3.67	3.88

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					
	February	January	Total	December	November	October	September	August
Alabama	4.67	4.81	6.33	4.72	4.83	4.56	4.75	5.30
Alaska	1.68	1.74	1.66	1.86	1.79	1.82	1.76	1.75
Arizona	7.18	7.15	6.23	6.71	6.44	6.13	6.23	7.06
Arkansas	5.00	5.17	6.38	5.74	5.83	5.37	5.57	5.56
California	4.63	5.66	6.60	3.75	3.40	3.31	3.83	4.68
Colorado	7.80	7.03	4.40	3.42	2.75	3.73	4.47	4.43
Connecticut	5.16	5.22	6.77	5.92	5.15	4.61	5.22	4.62
Delaware	6.02	6.58	6.85	6.11	5.68	6.19	6.29	6.54
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.46	5.06	6.98	4.24	4.51	5.66	5.76	6.22
Georgia	3.96	4.40	5.89	3.39	4.52	3.00	3.78	4.21
Hawaii	10.48	8.59	11.11	10.56	10.76	11.18	10.62	10.89
Idaho	7.65	7.64	6.43	8.76	7.17	7.10	7.99	6.75
Illinois	4.65	4.15	6.88	4.34	3.54	3.70	4.53	5.18
Indiana	6.20	7.62	8.14	3.34	7.01	3.85	5.46	9.57
Iowa	4.40	4.77	6.48	3.42	4.25	3.87	5.26	5.74
Kansas	4.93	5.28	4.97	3.99	3.09	3.29	4.65	4.48
Kentucky	4.65	4.83	6.51	4.77	5.09	4.78	4.29	5.10
Louisiana	3.26	3.77	5.03	3.58	3.84	3.53	4.11	4.17
Maine	NA	7.25	8.00	4.60	4.42	5.75	8.25	6.65
Maryland	6.12	7.62	9.07	6.62	7.00	6.00	6.20	6.06
Massachusetts	8.57	8.30	9.36	8.07	7.95	7.62	9.79	8.99
Michigan	5.01	4.93	4.77	5.13	5.16	5.14	5.17	5.23
Minnesota	3.57	3.85	5.16	4.14	4.01	2.48	3.67	3.69
Mississippi	3.72	4.20	5.79	3.72	4.68	3.79	4.04	4.27
Missouri	5.29	5.97	7.49	2.74	7.61	7.63	7.78	8.20
Montana	3.90	4.30	5.17	4.68	4.84	5.79	6.55	6.55
Nebraska	3.59	4.07	5.87	4.06	4.11	3.38	3.90	4.46
Nevada	7.01	7.71	7.00	7.24	8.57	8.35	6.62	6.58
New Hampshire	NA	6.06	7.92	4.60	5.27	3.71	4.59	5.80
New Jersey	4.58	4.06	6.69	4.76	4.29	4.02	4.87	4.61
New Mexico	4.41	4.64	6.18	4.25	3.44	3.87	3.74	4.21
New York	6.41	6.26	7.72	6.41	5.06	4.94	7.11	4.59
North Carolina	4.55	4.98	6.99	5.14	4.90	5.33	5.30	5.45
North Dakota	2.22	1.17	5.27	3.36	4.04	2.50	3.10	3.81
Ohio	6.22	6.66	6.58	5.16	4.90	5.51	7.05	4.90
Oklahoma	7.06	6.88	8.08	6.96	6.78	7.48	6.83	6.97
Oregon	7.38	7.40	6.09	7.25	7.25	6.62	5.71	5.58
Pennsylvania	7.45	7.58	7.18	6.38	6.87	4.69	5.80	5.66
Rhode Island	6.70	6.85	6.61	6.48	5.65	4.85	5.76	5.91
South Carolina	3.41	4.03	5.55	3.99	4.59	3.38	3.90	4.42
South Dakota	4.10	4.14	6.08	4.05	4.06	4.26	5.01	5.09
Tennessee	5.12	5.37	6.85	5.20	4.25	4.84	5.52	5.18
Texas	2.41	2.84	4.41	2.63	3.06	2.29	2.59	3.39
Utah	4.74	4.96	5.29	4.91	5.05	4.26	4.93	4.99
Vermont	4.40	4.46	5.02	4.24	4.31	4.45	4.38	4.40
Virginia	4.79	5.69	5.99	4.49	5.59	4.24	4.85	3.89
Washington	5.61	5.61	5.02	4.31	3.99	3.82	4.72	3.78
West Virginia	3.75	4.70	4.76	5.02	4.17	3.63	3.48	3.63
Wisconsin	4.99	5.52	7.50	5.59	6.01	3.64	4.53	5.10
Wyoming	4.75	4.78	6.33	3.95	4.09	7.08	6.89	7.08
Total	3.73	4.08	5.28	3.75	3.92	3.23	3.56	4.01

^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	2003	2002						
	January	Total	December	November	October	September	August	July
Alabama	5.55	3.59	4.82	4.67	4.35	3.54	3.42	3.43
Alaska	2.02	2.22	1.98	2.02	2.02	2.11	2.12	2.12
Arizona	5.08	3.26	4.82	3.97	3.60	3.08	2.95	3.07
Arkansas	6.44	3.60	4.89	4.26	4.28	3.89	3.25	3.42
California	4.50	4.07	4.65	4.25	3.69	3.69	4.04	3.66
Colorado	3.78	2.62	3.47	3.16	2.47	1.94	2.21	1.83
Connecticut	—	—	—	—	—	—	—	—
Delaware	7.28	3.66	5.58	4.23	4.90	4.17	4.03	3.21
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.83	4.22	5.90	4.73	4.85	4.15	3.93	4.00
Georgia	—	3.10	6.65	2.35	1.85	4.06	3.59	3.25
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	6.37	3.53	5.50	5.00	5.20	4.01	3.18	3.19
Indiana	5.41	3.85	4.82	4.96	4.81	4.17	4.49	4.16
Iowa	5.74	3.87	4.89	5.15	4.52	3.78	3.28	3.73
Kansas	5.07	3.11	4.22	4.17	3.38	3.09	2.97	3.04
Kentucky	6.10	4.34	5.24	4.91	4.91	3.99	3.67	3.70
Louisiana	5.90	3.66	4.87	4.59	4.49	3.92	3.36	3.54
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	8.05	4.07	5.78	4.73	4.71	4.19	3.65	3.70
Michigan	5.49	3.13	4.39	9.18	3.39	2.77	2.73	2.96
Minnesota	3.90	3.95	7.23	4.86	4.52	4.82	3.91	3.28
Mississippi	6.00	3.63	5.27	4.29	4.19	3.69	3.32	3.36
Missouri	4.56	3.43	5.13	4.36	4.48	3.54	3.20	3.25
Montana	5.60	4.82	6.12	5.21	3.84	4.66	4.65	6.13
Nebraska	6.48	4.17	5.24	4.45	4.07	4.01	3.80	3.12
Nevada	4.61	5.60	4.31	4.96	4.88	5.43	4.50	4.93
New Hampshire	—	4.08	6.51	—	4.42	3.87	3.58	3.38
New Jersey	—	—	—	—	—	—	—	—
New Mexico	5.03	3.29	4.42	4.16	3.60	3.10	3.05	3.13
New York	7.20	3.88	5.63	5.17	4.50	3.94	3.79	3.85
North Carolina	7.52	4.37	5.95	6.07	5.95	4.51	4.30	4.29
North Dakota	7.50	2.52	—	—	2.00	—	—	2.14
Ohio	6.01	5.17	5.52	6.12	6.01	4.49	4.33	4.66
Oklahoma	5.58	3.61	4.96	4.93	4.31	3.50	3.34	3.42
Oregon	3.66	3.01	—	3.51	2.80	2.81	2.35	2.38
Pennsylvania	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	7.29	5.16	—	4.94	6.03	5.42	5.38	5.37
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.10	3.47	4.51	4.18	3.89	3.50	3.17	3.40
Utah	—	4.82	—	3.63	2.96	3.62	3.69	4.33
Vermont	—	3.86	—	4.86	4.39	—	—	—
Virginia	6.44	4.92	7.44	8.98	6.37	4.61	3.93	3.98
Washington	—	—	—	—	—	—	—	—
West Virginia	7.28	4.53	8.40	9.03	4.84	4.07	4.18	3.39
Wisconsin	5.49	3.80	4.74	4.81	4.23	3.99	3.42	3.57
Wyoming	—	4.38	21.17	5.84	2.21	2.22	2.89	2.85
Total	5.12	3.77	4.85	4.49	4.26	3.76	3.47	3.53

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	
	June	May	April	March	February	January	Total	December
Alabama	3.32	3.82	3.75	3.07	2.44	2.66	5.20	2.57
Alaska	2.40	2.38	2.46	2.77	2.57	2.57	2.36	2.60
Arizona	3.01	3.23	3.29	3.45	2.66	3.33	4.70	2.93
Arkansas	3.60	4.16	3.69	3.82	2.66	2.64	4.44	2.70
California	3.64	3.80	4.09	4.42	4.58	5.93	9.38	5.64
Colorado	2.02	2.68	3.03	3.01	2.67	2.95	3.81	2.73
Connecticut	—	—	—	—	—	—	—	—
Delaware	3.43	4.12	3.86	3.86	3.05	3.30	4.41	3.12
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.11	4.30	4.27	3.64	3.29	3.48	4.73	3.15
Georgia	2.98	2.81	3.86	3.67	2.70	8.67	3.36	3.52
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.57	5.71	4.34	3.19	3.14	3.23	3.79	3.04
Indiana	2.61	6.35	3.25	3.25	3.07	3.36	5.18	4.07
Iowa	3.89	4.20	4.34	3.18	2.91	3.44	4.78	3.67
Kansas	3.24	3.39	3.45	2.94	2.27	2.26	3.60	2.63
Kentucky	3.82	4.05	5.70	4.61	3.97	3.55	4.70	3.65
Louisiana	3.66	3.84	3.77	3.18	2.49	2.76	4.30	2.78
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	4.04	4.05	4.02	3.89	3.26	3.23	3.58	3.30
Michigan	2.75	2.23	3.59	2.17	2.91	3.51	3.48	2.93
Minnesota	3.53	3.66	3.96	2.55	4.16	3.94	5.25	3.48
Mississippi	3.55	3.74	3.60	2.83	2.36	2.62	3.54	2.48
Missouri	3.26	3.68	3.72	3.24	3.04	3.19	4.69	3.01
Montana	4.71	4.90	4.98	4.82	4.69	4.89	7.54	4.84
Nebraska	3.93	4.47	3.65	4.57	2.22	3.12	4.29	3.67
Nevada	5.09	5.25	6.13	7.28	8.09	7.83	8.22	5.79
New Hampshire	3.39	3.81	3.97	—	—	—	2.56	—
New Jersey	—	—	—	—	—	—	3.43	3.58
New Mexico	3.04	3.15	3.13	3.47	2.91	2.68	4.22	2.56
New York	3.88	3.94	3.86	3.26	2.83	3.38	4.12	3.12
North Carolina	4.32	3.80	3.79	4.84	4.47	4.88	4.50	4.70
North Dakota	—	—	—	2.68	2.89	—	7.08	—
Ohio	4.95	5.15	6.36	5.78	3.98	5.95	8.17	5.78
Oklahoma	3.50	3.80	3.81	3.17	2.90	3.15	4.62	3.16
Oregon	2.95	3.15	2.95	3.30	2.96	3.36	3.82	3.85
Pennsylvania	—	—	—	—	—	—	8.87	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	5.28	—	4.29	4.48	6.12	4.11	2.64	5.73
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.45	3.58	3.54	3.05	2.66	2.74	4.32	2.84
Utah	5.13	—	3.54	6.10	9.98	11.71	4.88	—
Vermont	—	—	—	3.13	2.73	3.54	4.83	—
Virginia	4.39	5.59	5.55	12.56	12.17	8.92	4.55	3.57
Washington	—	—	—	—	—	—	—	—
West Virginia	6.52	4.46	3.90	3.44	2.98	4.66	6.46	2.97
Wisconsin	3.90	3.92	3.98	3.41	3.30	3.27	4.76	3.65
Wyoming	—	—	3.91	4.43	5.09	7.21	4.01	—
Total	3.67	3.88	3.90	3.50	3.05	3.31	4.61	3.14

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	2001							
	November	October	September	August	July	June	May	April
Alabama	4.97	2.56	3.89	3.37	3.55	5.21	5.08	5.88
Alaska	2.59	2.66	2.45	2.46	2.44	2.32	2.27	2.32
Arizona	3.13	2.67	2.88	3.64	3.55	3.94	4.46	5.35
Arkansas	3.60	2.44	2.67	3.24	3.53	4.16	5.25	6.68
California	3.43	4.03	5.01	5.98	8.55	8.26	10.64	10.04
Colorado	3.42	2.36	2.87	2.82	2.79	3.36	4.13	5.06
Connecticut	—	—	—	—	—	—	—	—
Delaware	—	3.74	—	4.00	4.16	4.76	—	7.55
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.83	2.80	3.68	4.38	4.53	4.81	5.93	6.35
Georgia	—	2.55	2.45	3.26	3.13	3.82	5.21	5.93
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.14	2.85	4.35	3.76	4.81	5.23	4.44	6.18
Indiana	3.95	4.04	3.78	4.07	4.56	4.67	5.86	6.05
Iowa	3.82	2.69	3.13	3.57	3.97	4.82	6.49	6.35
Kansas	2.56	2.35	2.37	3.23	3.26	3.89	4.51	5.33
Kentucky	4.50	2.83	2.85	3.75	3.80	4.45	8.53	—
Louisiana	3.15	2.26	2.44	3.22	3.40	4.06	5.03	5.83
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	3.20	2.82	2.81	3.57	3.43	4.41	5.04	7.08
Michigan	2.44	2.81	2.64	3.15	3.91	4.52	5.08	5.03
Minnesota	2.99	3.50	3.86	4.15	4.19	4.80	4.66	5.74
Mississippi	2.67	2.13	2.64	3.54	3.59	4.07	4.77	5.52
Missouri	3.02	2.90	4.63	5.01	4.80	4.68	4.37	5.82
Montana	5.07	5.44	5.34	6.26	7.66	7.91	7.67	7.25
Nebraska	4.34	2.53	3.78	3.82	3.83	3.55	3.78	6.88
Nevada	3.72	10.65	13.58	9.43	9.88	7.06	7.04	6.24
New Hampshire	—	2.55	2.47	3.54	—	—	—	—
New Jersey	3.03	3.03	—	—	—	—	—	—
New Mexico	2.99	2.31	2.80	3.21	3.40	3.92	4.94	5.45
New York	3.54	2.75	2.88	3.72	3.54	4.43	5.31	6.12
North Carolina	5.40	3.58	3.80	4.63	4.69	5.34	6.06	7.83
North Dakota	—	—	4.50	—	—	—	6.33	—
Ohio	4.37	6.30	9.74	6.51	8.52	9.49	9.45	9.22
Oklahoma	3.53	3.03	2.73	3.49	3.59	4.14	5.41	6.07
Oregon	3.62	3.24	3.20	3.25	3.32	3.59	3.72	4.12
Pennsylvania	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	5.85	2.34	5.67	5.84	6.63	6.28	5.84	6.49
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.07	2.53	2.70	3.46	3.49	4.04	4.79	5.48
Utah	10.12	6.67	3.96	3.64	3.69	4.11	3.93	4.32
Vermont	—	—	—	—	—	4.67	4.63	5.84
Virginia	—	—	3.06	4.05	4.15	5.00	7.91	10.76
Washington	—	—	—	—	—	—	—	—
West Virginia	4.07	5.44	4.07	4.25	4.81	7.87	9.37	6.80
Wisconsin	3.62	2.81	3.33	4.08	3.66	4.65	5.66	6.07
Wyoming	—	3.61	—	3.03	3.48	2.66	3.71	4.06
Total	3.32	2.78	3.03	3.64	3.85	4.37	5.29	5.82

^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	February	
							Commercial	Industrial
Alabama	81.9	NA	78.3	18.2	88.6	25.9	83.5	15.2
Alaska	55.7	98.9	59.4	99.3	61.6	99.6	52.9	99.1
Arizona	92.3	35.0	95.2	55.7	91.5	39.4	91.3	35.7
Arkansas	NA	NA	NA	3.8	92.3	8.3	NA	NA
California	NA	NA	69.1	5.8	65.1	13.6	NA	8.0
Colorado	99.9	NA	93.5	NA	94.3	0.2	99.9	—
Connecticut	67.5	49.4	NA	NA	75.6	56.8	65.6	47.4
Delaware	NA	11.6	97.8	12.9	98.4	19.9	91.2	13.8
District of Columbia	NA	—	23.8	—	26.6	—	38.7	—
Florida	41.8	NA	46.2	2.1	66.1	5.3	40.2	NA
Georgia	100.0	5.8	100.0	5.8	22.7	26.4	100.0	6.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.7	2.3	79.3	2.7	89.8	3.3	87.6	2.5
Illinois	46.0	12.3	42.1	11.0	46.3	14.4	46.5	12.3
Indiana	83.7	12.5	76.6	7.4	83.5	14.6	81.9	12.0
Iowa	NA	8.0	80.9	6.1	89.4	9.9	NA	7.4
Kansas	61.8	1.7	62.3	2.8	68.0	3.0	63.3	2.1
Kentucky	81.0	17.6	79.5	16.6	87.4	24.9	81.4	17.3
Louisiana	NA	NA	63.8	8.8	81.0	7.9	NA	18.6
Maine	86.2	NA	55.4	NA	100.0	8.0	79.7	NA
Maryland	100.0	10.9	100.0	10.8	41.4	13.5	100.0	12.6
Massachusetts	71.1	NA	52.7	NA	70.8	37.1	68.7	47.0
Michigan	68.1	14.7	68.6	13.5	68.8	17.9	68.2	14.3
Minnesota	95.1	42.7	92.1	18.8	98.4	41.7	95.6	42.2
Mississippi	NA	24.8	96.7	28.4	96.6	29.9	NA	27.1
Missouri	84.3	16.8	80.2	21.8	88.2	21.7	85.5	18.0
Montana	79.1	3.4	74.1	3.0	81.0	3.0	74.0	2.8
Nebraska	66.8	22.0	65.4	18.0	71.0	27.6	66.5	22.6
Nevada	79.2	27.3	88.3	54.1	73.8	28.6	80.1	29.2
New Hampshire	NA	NA	84.2	NA	91.0	14.8	NA	NA
New Jersey	58.8	23.8	57.6	22.8	65.5	30.2	59.5	24.9
New Mexico	NA	NA	76.3	4.6	71.9	15.3	NA	NA
New York	NA	NA	100.0	9.0	63.3	14.0	NA	NA
North Carolina	93.2	38.4	92.2	27.5	98.9	41.5	93.5	40.5
North Dakota	97.7	46.4	93.1	14.8	92.2	14.5	98.2	34.3
Ohio	100.0	5.1	100.0	3.3	48.4	11.5	100.0	5.5
Oklahoma	79.5	3.8	NA	5.1	81.3	6.5	79.0	4.2
Oregon	98.5	14.0	90.6	19.3	100.0	21.1	98.5	14.2
Pennsylvania	100.0	8.4	100.0	7.0	67.8	16.7	100.0	8.2
Rhode Island	72.7	15.0	NA	50.7	64.6	35.0	74.2	19.0
South Carolina	NA	81.3	97.8	84.2	99.5	88.9	97.4	81.2
South Dakota	85.0	NA	NA	48.0	86.6	52.8	83.4	NA
Tennessee	92.5	24.5	90.8	24.3	96.5	44.5	93.5	23.8
Texas	NA	45.0	91.4	30.2	85.9	29.4	NA	42.0
Utah	89.3	14.6	87.2	13.9	88.0	10.5	89.5	14.6
Vermont	100.0	91.7	100.0	79.6	100.0	86.7	100.0	100.0
Virginia	NA	NA	65.2	18.2	75.6	25.7	NA	NA
Washington	NA	NA	82.2	26.6	95.0	38.5	NA	NA
West Virginia	NA	NA	66.1	6.9	81.2	8.7	NA	NA
Wisconsin	79.6	25.6	78.4	22.3	82.1	25.7	79.6	25.7
Wyoming	50.5	NA	85.7	1.9	85.5	3.7	52.6	NA
Total	80.1	22.4	79.0	17.7	72.2	21.9	78.8	22.0

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					
	January		Total		December		November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.3	NA	NA	16.9	78.1	18.5	69.0	19.1
Alaska	57.9	98.6	NA	90.6	71.2	99.6	69.5	96.4
Arizona	93.1	34.3	91.2	NA	90.7	33.5	89.9	NA
Arkansas	NA	3.9	NA	NA	NA	NA	NA	NA
California	NA	NA	NA	NA	NA	NA	83.3	NA
Colorado	99.9	NA	NA	NA	99.3	NA	99.5	NA
Connecticut	69.3	51.1	NA	NA	72.9	49.5	70.1	43.2
Delaware	NA	R ^a 9.9	NA	NA	NA	NA	97.0	NA
District of Columbia	NA	—	NA	—	NA	—	28.2	—
Florida	43.5	NA	39.9	1.6	39.5	1.8	36.4	1.5
Georgia	R ^a 100.0	5.2	R ^a 100.0	5.4	R ^a 100.0	5.5	R ^a 100.0	5.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.9	2.2	79.2	NA	86.4	2.2	84.9	1.3
Illinois	45.5	12.4	39.3	NA	45.4	12.0	40.7	10.2
Indiana	85.1	13.0	NA	7.6	84.4	11.1	77.4	11.3
Iowa	81.1	8.6	80.0	6.7	82.9	9.0	88.8	11.3
Kansas	60.3	1.3	57.7	NA	58.1	2.4	54.3	2.4
Kentucky	80.6	17.8	75.1	16.0	78.6	16.3	77.3	16.6
Louisiana	97.6	NA	NA	8.6	R ^a 53.9	9.0	R ^a 37.9	8.0
Maine	93.8	6.5	NA	NA	NA	100.0	NA	100.0
Maryland	R ^a 100.0	9.3	R ^a 100.0	NA	R ^a 100.0	10.9	R ^a 100.0	NA
Massachusetts	R ^a 73.6	NA	NA	NA	NA	NA	57.5	NA
Michigan	68.0	15.1	63.6	NA	64.8	17.2	61.5	10.7
Minnesota	94.7	43.2	NA	NA	93.2	42.2	95.9	37.8
Mississippi	95.8	23.1	NA	25.6	96.9	24.9	NA	24.9
Missouri	83.0	15.7	76.1	14.2	80.1	16.9	74.8	12.3
Montana	84.3	4.2	75.3	NA	81.9	NA	77.1	2.2
Nebraska	67.2	21.5	61.3	13.3	65.7	16.7	69.1	16.1
Nevada	78.4	25.9	78.9	35.9	72.9	30.3	68.8	24.4
New Hampshire	NA	NA	NA	R ^a 87.5	NA	R ^a 49.6	NA	91.9
New Jersey	58.0	22.8	46.8	NA	53.5	NA	52.0	21.3
New Mexico	NA	NA	NA	11.9	71.8	11.9	NA	10.8
New York	R ^a 100.0	14.2	R ^a 100.0	9.0	R ^a 100.0	13.2	R ^a 100.0	6.2
North Carolina	R ^a 92.9	36.1	90.1	37.4	92.7	37.2	88.6	38.3
North Dakota	97.2	53.2	NA	NA	93.4	19.0	93.4	20.5
Ohio	R ^a 100.0	4.7	R ^a 100.0	R ^a 2.2	R ^a 100.0	R ^a 3.8	R ^a 100.0	R ^a 2.8
Oklahoma	80.0	3.5	NA	3.0	76.6	3.4	72.7	2.6
Oregon	98.6	13.7	95.9	14.1	98.6	12.5	98.2	12.3
Pennsylvania	R ^a 100.0	8.6	R ^a 100.0	6.0	R ^a 100.0	9.4	R ^a 100.0	6.7
Rhode Island	R ^a 71.1	R ^a 10.8	NA	67.0	92.2	58.7	89.5	96.8
South Carolina	NA	81.3	98.3	82.7	98.6	76.5	98.0	78.4
South Dakota	86.6	NA	NA	45.1	83.9	70.9	79.7	66.7
Tennessee	91.7	25.3	NA	NA	90.1	24.1	83.3	20.6
Texas	83.3	47.8	NA	41.4	79.8	43.0	NA	42.0
Utah	89.1	14.6	84.4	13.7	88.6	13.7	87.0	15.1
Vermont	100.0	87.0	100.0	76.5	100.0	86.6	100.0	77.9
Virginia	71.4	20.7	62.2	NA	70.9	25.5	65.7	NA
Washington	80.0	25.4	87.2	27.0	89.9	26.5	89.3	31.1
West Virginia	NA	NA	R ^a 58.1	R ^a 9.4	R ^a 70.5	R ^a 18.7	R ^a 56.3	R ^a 19.3
Wisconsin	79.7	25.4	R ^a 72.2	R ^a 19.7	77.6	R ^a 26.6	R ^a 71.7	R ^a 22.6
Wyoming	48.4	NA	72.5	NA	46.8	1.4	49.7	1.2
Total	R ^a 81.3	R ^a 22.8	R ^a 76.7	R ^a 19.9	R ^a 80.2	R ^a 20.8	R ^a 79.1	R ^a 19.6

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							
	October		September		August		July	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	68.1	16.8	71.3	15.6	NA	17.7	70.5	16.2
Alaska	53.6	99.5	58.3	87.3	60.6	78.7	55.2	80.6
Arizona	83.6	38.5	89.0	40.6	88.1	38.4	89.2	39.9
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	68.3	5.1	66.6	4.5	61.8	4.6	61.8	4.4
Colorado	99.6	NA	99.7	NA	99.9	NA	99.7	NA
Connecticut	67.7	48.7	73.7	52.8	78.4	44.0	77.1	33.8
Delaware	96.4	NA	97.8	NA	98.4	6.5	98.6	8.0
District of Columbia	24.1	—	17.4	—	18.0	—	17.6	—
Florida	36.8	1.4	35.2	1.5	35.9	1.4	36.2	1.3
Georgia	R100.0	5.1	R100.0	5.2	R100.0	5.0	R100.0	4.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	75.8	1.5	78.9	1.3	81.0	NA	79.5	NA
Illinois	38.2	9.0	29.2	6.2	28.0	5.1	28.7	NA
Indiana	72.7	11.2	64.1	5.9	NA	5.5	62.0	4.7
Iowa	89.4	9.2	51.8	4.8	65.5	4.5	64.3	4.7
Kansas	40.2	3.2	50.5	6.8	48.2	NA	46.3	13.8
Kentucky	72.0	15.9	68.7	14.4	71.8	16.9	68.9	15.9
Louisiana	R40.1	8.4	NA	8.3	55.4	7.7	55.5	7.1
Maine	NA	100.0	25.2	100.0	NA	100.0	NA	100.0
Maryland	R100.0	5.3	R100.0	5.8	R100.0	NA	R100.0	3.2
Massachusetts	48.3	NA	38.1	NA	31.3	NA	40.3	NA
Michigan	53.5	6.5	42.7	4.2	43.1	5.2	45.1	NA
Minnesota	94.1	50.2	77.0	32.7	NA	NA	82.8	NA
Mississippi	93.3	23.6	93.7	23.9	NA	25.4	96.6	23.8
Missouri	56.7	8.0	68.3	9.7	65.8	8.8	67.5	8.3
Montana	76.9	1.2	67.1	0.8	69.7	0.7	66.8	0.9
Nebraska	66.4	13.9	59.2	7.4	63.0	7.0	61.0	6.2
Nevada	65.9	22.4	65.9	20.7	63.1	19.3	63.4	18.6
New Hampshire	NA	NA	NA	36.8	72.4	NA	64.7	NA
New Jersey	34.9	17.8	23.1	17.3	27.1	NA	29.1	NA
New Mexico	62.4	11.1	47.4	14.4	59.7	19.5	60.0	17.4
New York	R100.0	6.5	R100.0	9.1	R100.0	6.9	R100.0	13.8
North Carolina	87.1	43.3	86.2	44.5	84.6	37.1	86.6	44.4
North Dakota	90.7	16.8	86.8	9.9	NA	11.9	80.6	7.7
Ohio	R100.0	R1.3	R100.0	R1.4	R100.0	R1.2	R100.0	R0.9
Oklahoma	55.4	1.2	51.2	2.3	53.0	2.2	59.0	1.2
Oregon	97.8	10.8	97.6	10.5	97.5	8.7	97.4	9.8
Pennsylvania	R100.0	6.2	R100.0	5.9	R100.0	4.1	R100.0	3.9
Rhode Island	41.4	63.3	55.0	65.6	37.2	67.6	45.1	61.9
South Carolina	100.0	86.3	99.5	86.2	94.3	78.4	99.0	86.6
South Dakota	84.0	63.4	69.8	52.4	73.1	20.2	68.7	14.6
Tennessee	77.6	21.7	75.2	20.5	73.2	19.1	73.2	19.5
Texas	74.8	41.8	73.3	44.6	80.9	44.7	89.1	47.7
Utah	83.4	12.8	76.8	13.6	69.8	13.6	69.4	12.1
Vermont	100.0	74.5	100.0	68.9	100.0	67.3	100.0	68.8
Virginia	57.8	NA	50.1	13.3	53.3	11.1	52.2	10.8
Washington	84.4	25.0	80.3	24.2	80.7	20.3	83.1	27.0
West Virginia	R86.0	R5.6	R34.4	R8.7	R31.7	R7.0	R26.6	R7.9
Wisconsin	R62.4	R19.0	R47.0	R13.3	49.3	14.5	51.4	11.1
Wyoming	55.7	1.7	51.8	1.5	60.7	1.5	30.5	1.4
Total	R72.8	R18.9	R68.8	R19.7	R69.6	19.5	R71.8	R20.9

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							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	72.2	15.2	72.0	14.2	78.1	15.7	81.8	17.7
Alaska	70.7	79.4	NA	81.3	61.6	99.4	61.5	99.2
Arizona	89.6	45.9	90.3	45.6	92.1	51.3	93.2	NA
Arkansas	NA							
California	64.2	4.6	64.5	6.4	68.0	4.9	72.1	5.9
Colorado	99.5	NA	99.6	NA	NA	NA	99.5	NA
Connecticut	73.8	46.2	71.2	48.8	61.2	NA	85.2	NA
Delaware	98.4	10.4	98.3	14.7	98.3	11.8	97.9	14.0
District of Columbia	19.9	—	20.8	—	21.6	—	22.6	—
Florida	38.2	1.7	39.2	1.4	40.4	1.4	43.7	1.6
Georgia	R100.0	5.4	R100.0	5.0	R100.0	5.5	R100.0	6.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	76.2	1.9	79.0	0.9	73.2	2.4	75.6	2.6
Illinois	27.3	6.8	34.6	7.2	37.9	9.8	41.0	10.6
Indiana	68.6	5.5	81.5	4.7	75.9	5.7	78.9	9.0
Iowa	67.3	4.7	77.1	4.3	83.2	5.3	80.7	7.2
Kansas	51.1	9.5	53.6	7.3	62.7	7.3	63.1	3.7
Kentucky	71.3	14.5	71.5	13.7	72.6	16.2	68.0	17.6
Louisiana	68.3	9.4	76.7	10.0	66.8	9.4	NA	8.6
Maine	37.8	100.0	NA	100.0	NA	100.0	50.2	100.0
Maryland	R100.0	R6.0	R100.0	5.8	R100.0	NA	R100.0	13.0
Massachusetts	34.3	NA	39.1	NA	46.7	NA	56.4	NA
Michigan	54.5	5.6	58.1	8.0	65.5	11.1	76.1	13.7
Minnesota	86.4	23.6	91.8	41.5	84.2	30.7	NA	36.1
Mississippi	96.7	25.9	95.8	23.7	95.0	26.9	96.1	27.2
Missouri	70.1	8.8	53.9	9.1	82.2	14.1	85.8	23.0
Montana	66.0	1.3	69.8	2.1	73.2	NA	81.8	3.7
Nebraska	51.2	20.6	50.1	12.7	51.5	15.0	58.7	25.4
Nevada	84.5	41.8	84.5	46.0	86.0	39.6	87.3	60.8
New Hampshire	NA	51.9	75.7	38.7	79.0	NA	84.2	NA
New Jersey	36.9	17.6	29.3	18.0	49.7	20.7	53.8	22.6
New Mexico	61.4	16.6	50.5	14.9	54.0	11.9	63.7	8.8
New York	R100.0	8.2	R100.0	10.7	R100.0	9.8	R100.0	8.5
North Carolina	89.1	43.3	87.0	44.5	89.7	39.3	90.6	27.1
North Dakota	81.8	NA	52.1	10.9	91.9	14.8	NA	18.1
Ohio	R100.0	R1.0	R100.0	R1.1	R100.0	R2.7	R100.0	R3.1
Oklahoma	62.2	1.8	59.8	2.2	73.4	3.1	81.5	4.6
Oregon	97.9	10.8	98.4	12.3	98.5	18.9	98.9	19.9
Pennsylvania	R100.0	4.5	R100.0	4.7	R100.0	4.8	R100.0	5.7
Rhode Island	50.8	82.2	51.3	55.4	56.4	67.9	NA	62.9
South Carolina	98.6	82.4	100.0	86.4	99.7	83.6	97.0	79.8
South Dakota	74.0	20.1	80.0	37.9	85.3	43.1	89.3	36.7
Tennessee	NA	NA	85.1	22.6	91.4	21.2	91.9	28.7
Texas	89.3	48.3	89.3	43.6	73.4	48.9	75.3	30.0
Utah	73.3	13.4	72.9	13.1	78.5	15.8	90.3	12.7
Vermont	100.0	68.9	100.0	74.5	100.0	79.8	100.0	80.2
Virginia	51.6	9.8	58.7	14.2	58.9	14.2	61.8	18.5
Washington	90.4	24.0	92.4	29.5	92.5	32.2	93.5	28.9
West Virginia	R33.0	R6.5	R39.5	R6.7	R60.8	R8.1	R63.0	R6.2
Wisconsin	60.2	13.3	69.1	16.9	74.9	19.2	78.9	23.6
Wyoming	91.7	1.3	96.1	2.0	92.1	NA	89.4	2.9
Total	R72.2	R22.6	R73.0	R21.1	R75.8	R23.3	R79.5	R17.7

See footnotes at end of table.

Table 25

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

State	2002				2001			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.9	17.5	76.0	19.0	82.5	22.2	77.9	21.9
Alaska	58.9	99.2	59.8	99.3	60.5	96.2	60.0	99.3
Arizona	94.6	55.2	95.7	56.1	92.6	46.4	95.8	55.3
Arkansas	65.5	3.5	NA	4.2	87.0	6.0	90.7	5.4
California	69.0	6.3	69.2	5.3	62.6	9.1	68.0	8.0
Colorado	99.2	NA	88.6	NA	95.6	2.5	100.0	0.5
Connecticut	NA	NA	72.0	42.5	77.5	53.2	85.7	50.9
Delaware	98.1	13.3	97.6	12.6	98.3	16.1	98.0	16.3
District of Columbia	23.8	—	23.8	—	22.4	—	22.1	—
Florida	44.6	2.5	47.7	1.6	56.6	3.8	50.4	4.0
Georgia	R100.0	5.9	R100.0	5.7	20.0	19.9	13.7	19.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	78.6	2.8	79.9	2.6	86.3	2.2	86.6	2.3
Illinois	43.1	10.7	41.3	11.4	41.1	9.9	42.5	12.1
Indiana	76.2	7.2	76.9	7.5	77.1	7.7	80.9	10.2
Iowa	82.4	4.6	79.6	7.5	82.0	7.4	82.6	9.8
Kansas	64.0	2.9	60.9	2.8	62.1	9.3	56.4	4.4
Kentucky	77.1	16.7	81.9	16.4	81.8	18.7	78.8	16.9
Louisiana	66.4	9.1	61.2	8.5	82.3	8.3	81.7	9.1
Maine	53.3	NA	57.4	100.0	100.0	8.1	100.0	3.6
Maryland	R100.0	11.3	R100.0	10.3	32.6	8.5	36.5	10.3
Massachusetts	50.2	NA	55.3	29.3	62.1	26.3	51.3	21.8
Michigan	68.7	12.9	68.5	14.0	63.5	11.2	68.4	11.9
Minnesota	90.8	16.0	93.2	21.3	98.3	41.9	95.9	41.2
Mississippi	95.9	29.5	97.4	27.4	95.7	28.8	95.6	31.1
Missouri	80.4	24.4	80.1	19.6	80.8	16.5	78.0	32.9
Montana	73.6	3.0	74.6	3.1	76.1	2.2	81.5	3.0
Nebraska	57.5	16.6	75.0	19.4	63.7	18.0	57.6	18.7
Nevada	88.7	46.1	88.0	60.0	73.9	33.3	88.9	68.2
New Hampshire	84.0	NA	84.5	32.1	86.6	13.0	95.8	16.5
New Jersey	55.3	21.4	59.7	24.3	59.1	21.6	58.8	21.1
New Mexico	75.9	4.9	R76.7	4.3	68.2	14.6	73.4	6.0
New York	R100.0	9.1	R100.0	8.9	45.7	10.8	53.6	9.7
North Carolina	91.6	25.1	92.7	29.9	94.0	30.5	91.7	30.7
North Dakota	92.8	15.4	93.3	14.4	90.1	9.8	93.2	17.9
Ohio	R100.0	R3.5	R100.0	R3.0	41.8	6.4	39.2	6.4
Oklahoma	74.5	5.4	NA	4.9	71.3	3.1	77.0	2.5
Oregon	98.9	20.4	83.7	18.5	99.3	21.5	99.1	21.5
Pennsylvania	R100.0	6.8	R100.0	7.2	63.0	9.9	61.6	8.4
Rhode Island	61.1	48.3	NA	53.4	58.0	27.3	52.4	13.6
South Carolina	97.2	82.7	98.4	85.7	97.5	82.1	96.8	84.4
South Dakota	85.3	50.0	NA	46.3	84.2	42.1	85.9	44.5
Tennessee	93.7	24.4	88.5	24.2	93.6	36.2	93.1	38.4
Texas	90.8	31.2	91.9	29.3	85.3	28.7	91.0	28.2
Utah	87.1	13.9	87.3	14.0	84.4	10.4	86.1	13.8
Vermont	100.0	79.9	100.0	79.3	100.0	75.4	100.0	79.0
Virginia	66.0	19.8	64.4	16.7	65.8	17.3	64.4	15.4
Washington	93.6	28.1	73.2	25.4	94.0	37.8	97.3	45.7
West Virginia	R66.2	R6.7	R65.9	R7.1	63.9	16.6	41.5	62.1
Wisconsin	78.5	21.5	78.4	23.2	77.3	19.2	84.2	22.8
Wyoming	91.4	2.0	83.0	1.8	86.5	2.5	96.2	1.8
Total	R79.1	R18.0	R78.9	R17.5	65.8	19.3	67.9	19.4

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							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	76.9	22.1	74.3	20.8	76.7	21.4	77.5	21.8
Alaska	60.0	99.3	57.0	94.9	60.4	94.4	59.9	89.6
Arizona	93.8	54.8	94.3	54.6	93.1	43.8	91.4	41.4
Arkansas	87.1	5.3	82.7	5.6	80.2	4.0	79.2	3.8
California	63.2	8.2	63.5	8.0	60.3	6.4	60.3	6.7
Colorado	100.0	1.3	97.9	1.5	100.0	5.8	100.0	9.1
Connecticut	78.3	58.1	71.2	73.2	82.4	54.8	71.6	57.7
Delaware	97.8	14.9	98.2	11.7	98.7	14.2	98.3	11.6
District of Columbia	19.4	—	18.4	—	16.4	—	23.5	—
Florida	46.6	3.3	46.6	2.5	47.6	2.5	51.5	2.9
Georgia	19.0	19.5	13.9	17.5	19.5	16.4	20.9	18.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	83.3	1.8	76.3	1.5	81.7	1.6	79.3	1.8
Illinois	36.8	10.3	37.0	8.7	32.7	7.5	28.3	6.1
Indiana	72.6	6.6	69.0	8.3	64.1	5.5	64.6	1.0
Iowa	76.5	10.8	73.4	7.8	60.9	5.4	82.3	4.5
Kansas	47.8	8.0	48.5	7.7	53.8	16.5	51.1	21.2
Kentucky	79.7	16.5	75.5	19.6	73.7	17.3	76.8	17.4
Louisiana	82.7	10.0	81.1	8.6	81.1	9.0	82.5	9.6
Maine	100.0	4.5	100.0	8.9	100.0	4.5	100.0	12.4
Maryland	26.8	6.6	27.9	7.0	17.4	6.3	21.1	6.3
Massachusetts	58.9	29.5	48.8	18.6	51.8	18.5	52.3	10.3
Michigan	61.9	9.9	57.4	7.3	49.4	5.9	40.4	5.8
Minnesota	98.1	30.3	98.7	52.1	98.8	38.1	97.8	46.1
Mississippi	95.3	31.3	96.2	21.2	96.1	28.5	94.2	30.2
Missouri	71.2	12.4	68.8	10.2	68.0	9.5	66.0	8.1
Montana	75.4	1.9	75.1	1.2	67.7	1.0	69.9	0.8
Nebraska	61.7	12.0	71.7	18.6	61.0	13.3	64.2	12.9
Nevada	85.4	48.4	82.9	41.7	78.8	31.7	70.6	31.5
New Hampshire	98.9	17.5	51.2	14.1	52.2	13.7	45.2	8.5
New Jersey	56.2	15.6	53.3	16.8	45.6	18.5	46.0	15.6
New Mexico	70.7	8.8	59.2	8.3	64.0	11.8	65.8	12.4
New York	50.0	15.5	39.4	4.8	24.1	4.2	24.0	10.2
North Carolina	90.4	27.3	88.2	17.7	86.4	21.4	85.8	30.1
North Dakota	90.8	13.4	89.1	12.1	84.3	8.0	84.0	4.7
Ohio	40.1	5.6	36.4	2.9	25.1	1.2	28.5	4.8
Oklahoma	65.1	2.4	58.8	1.5	57.6	1.7	49.1	1.8
Oregon	100.0	20.6	100.0	21.1	90.2	24.2	99.3	26.8
Pennsylvania	59.4	7.3	55.7	8.8	53.1	8.2	54.8	7.5
Rhode Island	49.4	29.3	41.8	26.8	47.3	22.4	46.1	26.2
South Carolina	96.4	82.4	94.2	79.8	95.4	80.3	96.5	80.2
South Dakota	82.0	45.5	80.2	33.3	75.5	24.1	75.3	26.5
Tennessee	92.2	37.7	88.3	29.3	88.7	35.5	86.2	33.6
Texas	88.5	28.8	87.8	29.6	89.0	30.9	83.3	28.6
Utah	83.1	11.0	80.5	9.2	78.5	9.4	75.1	11.5
Vermont	100.0	76.0	100.0	73.3	100.0	70.7	100.0	67.7
Virginia	57.8	11.2	59.0	24.1	52.5	15.0	49.3	12.9
Washington	93.5	46.1	93.8	45.8	88.3	34.6	87.4	34.8
West Virginia	71.7	7.0	32.2	60.8	53.3	5.9	53.8	8.9
Wisconsin	76.7	19.7	73.9	15.7	61.4	10.8	57.8	12.3
Wyoming	65.7	2.2	86.0	2.3	90.0	2.0	79.9	2.0
Total	64.8	18.7	59.9	18.7	53.8	18.2	53.6	18.0

^R Revised Data.

^{NA} Not Available.

— Not Applicable.

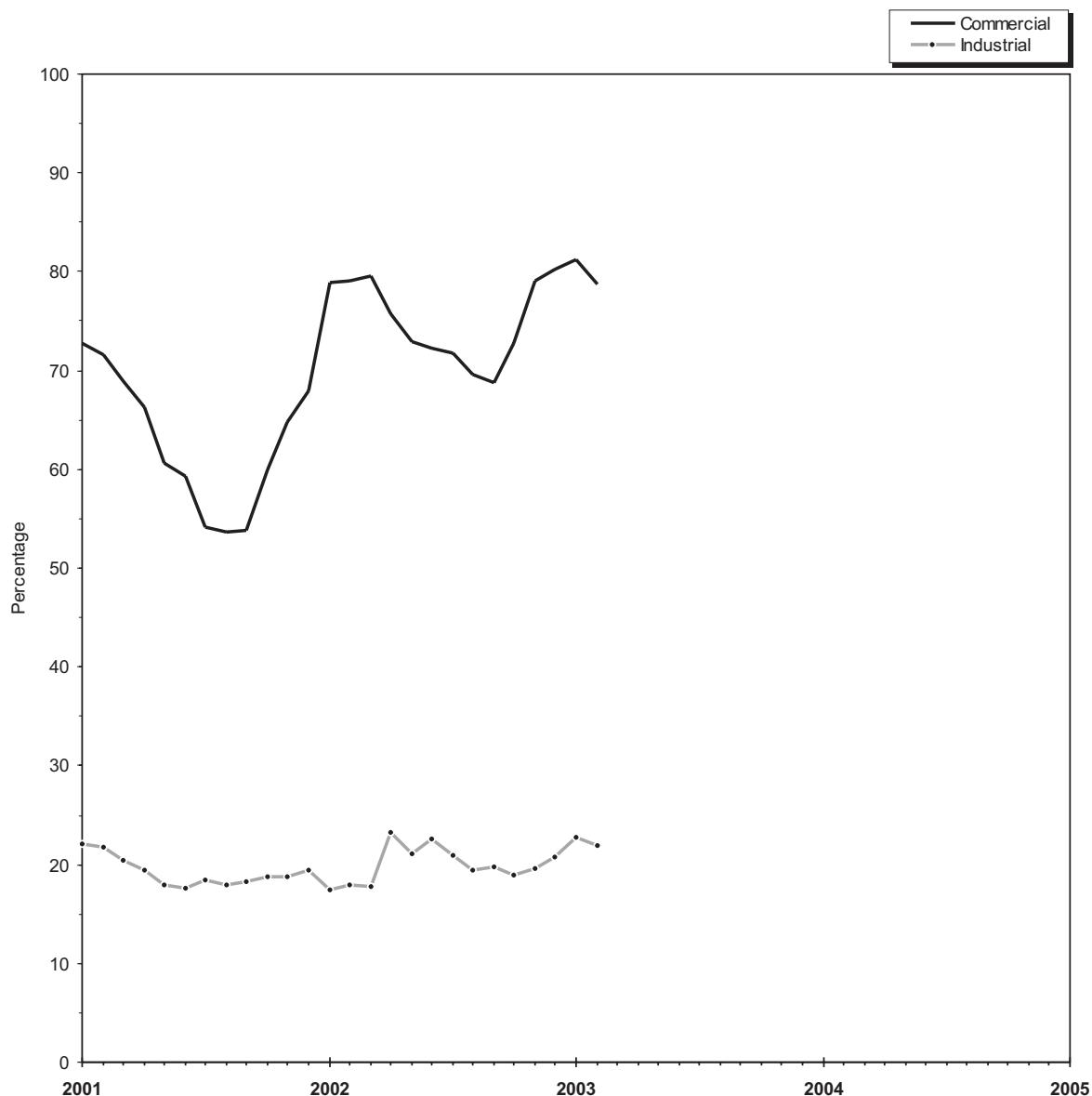
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors.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

Monthly data on LNG additions and withdrawals are estimated by computing the ratio of each month's underground storage additions and withdrawals to final

annual underground storage additions and withdrawals and applying it to the annual LNG data from the EIA-176.

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 in the industrial and commercial sectors represented by on-system sales.

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

Note 10. Average Wellhead Price

Annual Data

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

Monthly Data

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

ing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through 2000. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

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

Note 11. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day databases maintained by the National Oceanic and Atmospheric Administration. The information published in the *NGM*, is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

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

Appendix B

Data Sources

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

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

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

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities); and/or companies that transport gas across a State border through field or gathering facilities. Each company is required to file if it meets the survey specifications. The mailing in 2002 for report year 2001 totaled approximately 2000 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

The EIA-176 is a multi-line, multi-page schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up to 30 days are granted to any respondent upon request.

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

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

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

Data collection on the Form EIA-895, "Monthly and Annual Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) voluntary form, "Monthly Report of Natural Gas Production." All gas-producing States and the U.S. Minerals Management Service are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace a prior annual production form. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Form EIA-895 is mailed to energy or conservation agencies in all 32 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. Reports on company production are due 20 days after the end of the report month to the States. (In most cases, the data are not available to the States until after this time period.) Therefore, States are requested to send the report within 80 days after the end of the report month. Monthly data are obtained from about half of the reporting States and MMS on this schedule. EIA prepares estimates for the remaining States based on annual data submissions from the States until monthly State data are provided. The annual schedule of the Form EIA-895 is due with the December data report. Of the 32 natural gas producing states, all participated in the annual EIA-895 survey by filing the completed form or by responding to telephone calls.

The Form EIA-895 is a three-page form collecting monthly and annual data on elements of the production of natural gas beginning with gross withdrawals from gas and oil wells. Starting in 2003, the Form EIA-895 also collects information about production of coalbed methane. The commercial recovery of methane from coalbeds contributes a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (113,527), Colorado (386,349), New Mexico (532,081), and Wyoming (253,305) for 2001.

Data are also collected on volumes returned to formation for repressuring, pressure maintenance, and

cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production as well as the monthly volume and value of marketed production. The annual schedule collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Respondents are asked to report all volumes in thousand cubic feet at the States standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

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

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

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

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

The Form EIA-191, "Monthly Underground Natural Gas Storage Report," is completed by approximately 122 companies that operate underground facilities. The final monthly and annual response rates are 100 percent. The EIA-191 monthly schedule contains current month data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule for the prior year is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the last day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are submitted on separate forms for each month. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

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

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

Beginning in 1995, import and export data have been taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas. The Office of Fossil Energy provides authorizations for import or export to applicants under Section 3 of the Natural Gas Act of 1938.

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

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

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

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 monthly. Each month about half the responses are received by the due date although response rates by first publication of the relevant month are approximately 87 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions. Final response rates are approximately 95 percent.

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

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

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

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

Approximately 150 natural gas marketers report to the survey. Final monthly survey response rates are approximately 98 percent. Responses are filed with EIA in Washington, DC on or before the 30th day after the end of the report month.

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

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." Monthly prices in select states (currently Georgia, Maryland, New York and Ohio) are supplemented with data from the Form EIA-910 "Monthly Natural Gas Marketer Survey". (See Appendix B for a description of these Forms.) Form EIA-857 is a sample survey. These estimations must be made from the reported data since the. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate pipeline companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to the electric power sector are reported on the Form EIA-906, "Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,556 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 2001 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

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

to the three consuming sectors by the company in 2001. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 405 respondent companies.

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

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

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

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

where:

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

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

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

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

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

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

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

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

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

where:

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

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

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

A uniform random number R was selected between zero and $\left(I = \frac{X2}{m} \right) I$. The first sampled company was the first

company on the list to have a cumulative measure of size greater than R. The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to deter-

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

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

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

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

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

Estimation Procedures

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

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

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

where:

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

$\gamma'_{.j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

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

Appendix C

where:

V_j = the State estimate of monthly gas volumes in consumer sector j ,

y_j = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales by natural gas companies except as explained below.

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

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

where:

P_j = the average price for gas sales within the State in consumer sector j ,

R_j = the reported revenue from natural gas sales within the State in consumer sector j ,

V_j = the reported volume of natural gas sales within the State in consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

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

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

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

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

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

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

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

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

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

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. All natural gas prices to the residential sector represent onsystem sales volumes only except in Georgia, Maryland, New York, Ohio and Pennsylvania.

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

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

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

Where:

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

F_t = imputed gas volume for current month t ,

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

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

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

Final Revisions

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

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

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

The formula for revising the estimated consumption is:

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

where:

V_{jm}^* = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = The annual sum of estimated monthly volumes

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

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

where:

R_{jm}^* = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues.

Revision of Volumes and Prices for Deliveries to Electric Power Sector. Revisions to monthly deliveries to the electric power sector are published throughout the year as they become available.

Reliability of Monthly Data

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

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

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

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

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

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

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company I

x_i = the reported annual volume for company i

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

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

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	398	1,655	1,548	2,300	NA	NA	NA
Alaska	0	0	0	0	—	—	—
Arizona	123	49	0	133	0.19	0.07	—
Arkansas	NA	NA	NA	NA	NA	NA	NA
California	345	NA	2,772	NA	0.08	0.08	1.16
Colorado	0	0	0	0	—	—	—
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	91	177	NA	NA	0.99	0.96	2.68
Georgia	5,647	1,284	3,284	6,657	NA	NA	NA
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	6,571	3,196	701	7,341	0.19	0.32	0.62
Indiana	2,129	635	2,346	3,231	0.75	0.43	0.19
Iowa	NA	NA	52	NA	0.06	0.06	0.72
Kansas	NA	699	389	NA	0.86	0.33	NA
Kentucky	271	1,406	1,142	1,831	0.68	0.52	NA
Louisiana	NA	NA	5,030	NA	NA	NA	0.33
Maine	0	0	NA	NA	—	—	—
Maryland	78	65	83	131	0.02	0.06	NA
Massachusetts	0	0	0	0	—	—	—
Michigan	0	0	0	0	—	—	—
Minnesota	123	532	160	569	0.04	0.07	0.06
Mississippi	NA	NA	0	NA	NA	NA	—
Missouri	130	318	1,581	1,618	0.17	0.17	0.26
Montana	13	8	0	15	0.01	0.03	—
Nebraska	0	0	0	0	—	—	—
Nevada	0	0	0	0	—	—	—
New Hampshire	0	NA	NA	NA	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	NA	NA	NA	NA	NA	NA	NA
New York	NA	NA	NA	NA	NA	NA	NA
North Carolina	1,150	143	167	1,171	0.06	0.01	0.10
North Dakota	0	0	0	0	—	—	—
Ohio	683	6,410	10,240	12,100	0.21	NA	NA
Oklahoma	11,257	3,054	321	11,669	5.84	NA	0.29
Oregon	0	0	0	0	—	—	—
Pennsylvania	569	360	661	943	0.05	0.07	0.98
South Carolina	91	70	365	383	0.12	0.06	0.15
South Dakota	0	0	NA	NA	—	—	—
Tennessee	797	735	1,028	1,494	0.12	0.15	0.81
Texas	NA	NA	14,915	NA	NA	NA	1.27
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	299	462	339	647	NA	NA	NA
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	NA	NA	NA	NA	NA
Wisconsin	896	575	266	1,097	0.63	0.62	0.07
Wyoming	36	239	274	366	NA	0.34	NA
Total	23,303	33,294	19,893	45,247	0.22	0.38	0.84

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.