

Natural Gas Monthly

November 2003

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Office of Oil and Gas
U.S. Department of Energy
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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.

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	STE0	Short-Term Energy Outlook
LNG	Liquefied natural gas	Tcf	Trillion cubic feet

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Highlights

This issue of the *Natural Gas Monthly (NGM)* contains estimates of natural gas data through August 2003 for many data series at the national level. National-level natural gas prices are available through August 2003. State-level data generally are available through August 2003, although underground storage data are available through September 2003.

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

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

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

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

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

Table 1. Summary of Natural Gas Production in the United States, 1997-2003
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998 Total	24,108	3,427	617	103	19,961	938	19,024
1999 Total	23,823	3,293	615	110	19,805	973	18,832
2000 Total	24,174	3,380	505	91	20,198	1,016	19,182
2001							
January	2,101	289	39	7	1,766	82	1,685
February	1,912	277	38	8	1,588	73	1,515
March	2,139	294	42	7	1,797	83	1,714
April	2,023	271	39	8	1,705	79	1,626
May	2,061	253	39	7	1,762	81	1,681
June	2,003	258	35	6	1,703	79	1,624
July	2,035	253	42	9	1,730	80	1,650
August	2,053	264	41	7	1,742	81	1,661
September	1,992	267	38	7	1,679	78	1,602
October	2,088	288	36	7	1,755	81	1,674
November	2,004	285	35	7	1,676	78	1,599
December	2,067	297	39	6	1,725	80	1,645
Total	24,476	3,296	464	86	20,630	954	19,676
2002							
January	€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	€2,128	€332	€33	€7	€1,756	€81	€1,675
February	€1,920	€309	€29	€6	€1,575	€73	€1,502
March	€2,137	€329	€32	€7	€1,768	€82	€1,687
April	€2,021	€306	€30	€7	€1,678	€78	€1,601
May	€2,066	€301	€30	€7	€1,728	€80	€1,648
June	€1,997	€296	€31	€6	€1,664	€77	€1,587
July	€2,022	€286	€32	€6	€1,698	€78	€1,619
August	€2,087	€303	€32	€6	€1,746	€81	€1,665
2003 YTD	€16,377	€2,461	€250	€52	€13,614	€629	€12,986
2002 YTD	€16,130	€2,478	€251	€56	€13,345	€616	€12,728
2001 YTD	16,326	2,159	314	58	13,795	638	13,157

^a See Appendix A, Explanatory Note 2, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

^e Estimated Data.

^{RE} Revised Estimated Data.

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

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

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

Table 2

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

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1997 Total	18,902	103	2,837	24	839	22,737
1998 Total	19,024	102	2,993	-530	633	22,245
1999 Total	18,832	98	3,422	172	-113	22,403
2000 Total	19,182	90	3,538	829	-271	23,368
2001						
January	1,685	9	348	508	126	2,676
February	1,515	7	301	348	138	2,310
March	1,714	8	326	187	14	2,250
April	1,626	6	295	-284	163	1,807
May	1,681	6	293	-488	31	1,524
June	1,624	6	293	-449	-29	1,445
July	1,650	7	333	-392	-1	1,598
August	1,661	6	324	-313	-10	1,670
September	1,602	7	281	-379	-17	1,494
October	1,674	7	292	-193	-129	1,651
November	1,599	8	249	-74	-81	1,701
December	1,645	8	268	361	-160	2,122
Total	19,676	86	3,604	-1,165	46	22,247
2002						
January	€1,620	€8	308	546	€-26	€2,456
February	€1,447	€7	275	462	€20	€2,210
March	€1,625	€8	294	320	€-20	€2,227
April	€1,558	€6	275	-126	€129	€1,842
May	€1,628	€6	279	-323	€-11	€1,578
June	€1,586	€5	272	-339	€35	€1,560
July	€1,641	€7	299	-239	€20	€1,727
August	€1,624	€6	309	-234	€-10	€1,696
September	€1,513	€6	288	-292	€-2	€1,513
October	€1,554	€7	301	-84	€159	€1,618
November	€1,608	€7	275	198	€205	€1,883
December	€1,644	€8	314	558	€-182	€2,342
Total	€19,047	€80	3,491	447	€-412	€22,653
2003						
January	€1,675	€8	290	841	€-178	€2,636
February	€1,502	€4	242	676	44	€2,467
March	€1,687	€7	261	136	€64	€2,155
April	€1,601	€6	246	-158	€2	1,697
May	€1,648	€7	257	-412	€-24	€1,477
June	€1,587	€6	232	-470	€-34	€1,321
July	€1,619	€7	285	-361	€0	€1,550
August	€1,665	€7	280	-309	€-51	1,593
2003 YTD	€12,986	€52	2,094	-58	-177	14,896
2002 YTD	€12,728	€52	2,312	68	136	15,296
2001 YTD	13,157	56	2,513	-881	433	15,278

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

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

^c Represents quantities lost and imbalances in data due to differences among data sources. Annual balancing item for 1997-2001 includes net intransit deliveries through the United States for natural gas not contained in the monthly net imports figures. These intransit deliveries were (in billion cubic feet): -36 for 2001; -65 for 2000; -8 for 1999; 22 for 1998; 31 for 1997.

See Appendix A, Explanatory Note 8, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

^E Estimated Data.

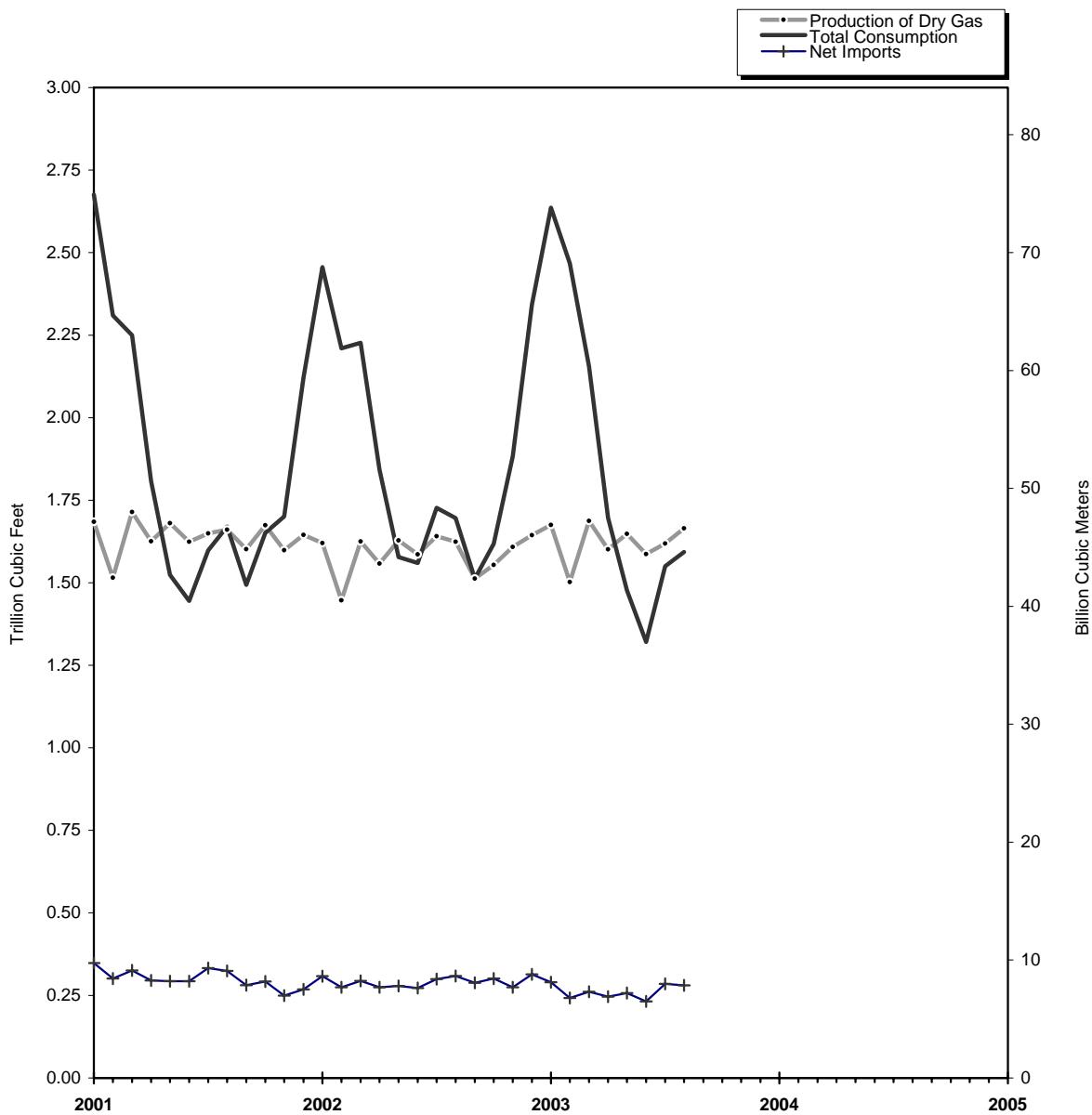
^{RE} Revised Estimated Data.

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

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

Figure 1

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



Source: Table 2.

Table 3

Table 3. Natural Gas Consumption in the United States, 1997-2003

(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers						Total Consumption
			Residential	Commercial	Industrial	Electric Power	Vehicle Fuel	Total	
1997 Total	1,203	751	4,984	3,215	8,511	4,065	8	20,783	22,737
1998 Total	1,173	635	4,520	2,999	8,320	4,588	9	20,438	22,245
1999 Total	1,079	645	4,726	3,045	8,079	4,820	12	20,681	22,403
2000 Total	1,151	642	4,996	3,218	8,142	5,206	13	21,575	23,368
2001									
January	93	76	977	503	684	340	1	2,506	2,676
February	85	66	781	425	640	313	1	2,159	2,310
March	95	64	682	378	667	363	1	2,091	2,250
April	90	51	401	257	623	385	1	1,666	1,807
May	92	42	209	165	579	434	1	1,389	1,524
June	89	40	147	136	539	493	1	1,316	1,445
July	91	44	124	131	572	634	1	1,463	1,598
August	92	47	117	134	592	687	1	1,532	1,670
September	89	41	128	144	581	510	1	1,364	1,494
October	93	46	239	186	621	466	1	1,513	1,651
November	89	48	361	232	620	351	1	1,564	1,701
December	92	60	610	347	645	367	1	1,971	2,122
Total	1,089	624	4,776	3,037	7,363	5,343	15	20,534	22,247
2002									
January	€90	69	820	€437	€657	€381	1	€2,298	€2,456
February	€80	62	718	403	€603	€344	1	€2,068	€2,210
March	€90	€62	665	€376	€625	€407	1	€2,074	€2,227
April	€86	52	€416	€268	€615	€404	1	€1,705	€1,842
May	€90	44	€255	193	€584	410	1	€1,444	€1,578
June	€88	44	161	148	€567	€551	1	€1,428	€1,560
July	€91	48	€125	139	€589	€734	1	€1,588	€1,727
August	€90	€48	117	€139	€584	€718	1	€1,558	€1,696
September	€84	42	€124	143	€550	€569	1	€1,387	€1,513
October	€86	45	€251	€201	€591	€442	1	€1,487	€1,618
November	€89	53	484	€301	€605	€352	1	€1,742	€1,883
December	€91	€66	773	419	€632	€360	1	€2,186	€2,342
Total	€1,053	635	€4,909	3,166	€7,203	€5,672	15	€20,965	€22,653
2003									
January	€93	74	€955	€490	€656	367	1	€2,470	€2,636
February	€83	69	€889	€473	622	329	1	2,315	€2,467
March	€93	60	€678	€380	589	353	1	€2,001	€2,155
April	€88	48	417	€256	553	333	1	€1,560	1,697
May	€91	41	€250	€176	536	381	1	€1,344	€1,477
June	€88	37	€159	135	490	411	1	€1,196	€1,321
July	€89	43	€127	128	551	609	1	€1,417	€1,550
August	€92	45	117	134	550	654	1	1,457	1,593
2003 YTD^d	€718	418	3,594	2,171	4,548	3,436	10	13,760	14,896
2002 YTD^d	€703	429	3,277	2,103	4,825	3,949	10	14,164	15,296
2001 YTD^d	727	429	3,439	2,129	4,897	3,649	10	14,122	15,278

^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.

^d Revised Data.

^e Estimated Data.

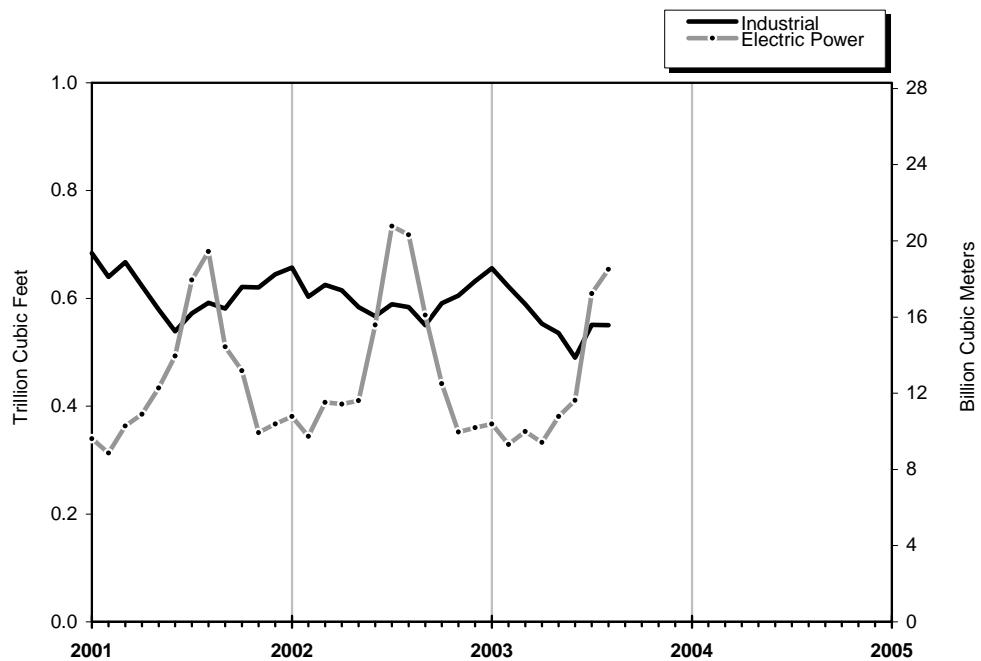
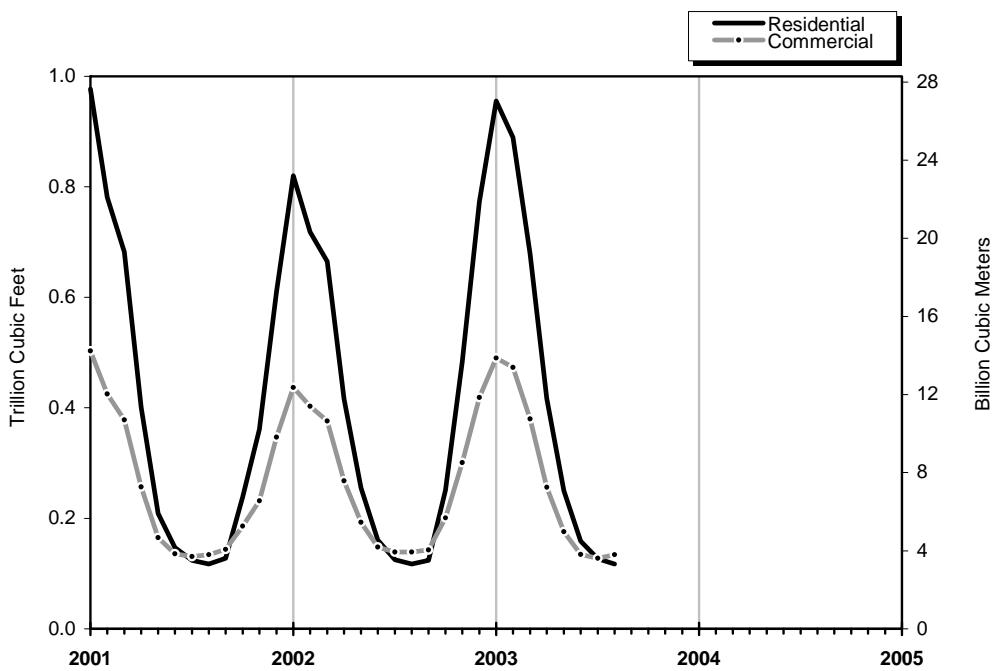
Notes: Data for 1997 through 2001 are final. All other data are

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

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					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total ^b	Price	% of Total ^b	
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78
1998 Annual Average	1.96	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999 Annual Average	2.19	3.10	6.69	5.33	66.1	3.12	18.8	2.62
2000 Annual Average	3.69	4.62	7.76	6.59	62.9	4.45	19.8	4.38
2001								
January	6.82	8.91	10.12	9.50	72.7	8.77	22.1	9.49
February	5.08	7.08	10.26	9.80	71.6	7.24	21.7	7.18
March	4.37	6.10	9.85	9.13	69.0	6.35	20.4	5.90
April	4.52	6.30	10.16	9.01	66.3	6.16	19.5	5.82
May	4.36	5.77	11.14	9.19	60.7	5.49	17.9	5.29
June	3.80	5.38	11.59	8.50	59.3	4.80	17.6	4.37
July	3.36	4.03	11.22	7.90	54.2	4.13	18.5	3.85
August	3.34	4.32	10.89	7.61	53.6	4.01	18.0	3.64
September	2.94	3.66	10.17	6.96	53.8	3.56	18.2	3.03
October	2.81	3.37	8.24	6.39	59.9	3.23	18.7	2.78
November	3.42	4.02	7.98	6.79	64.8	3.92	18.7	3.32
December	3.44	3.90	7.30	6.35	67.9	3.75	19.4	3.14
Annual Average	4.02	5.72	9.64	8.43	65.8	5.28	19.3	4.61
2002								
January	€2.35	€4.04	7.35	6.49	€78.9	€4.07	€17.5	3.31
February	€2.14	3.77	7.25	6.38	79.9	€3.71	€18.0	3.05
March	€2.52	3.85	7.10	6.23	€80.7	€3.78	€17.8	€3.52
April	€3.02	4.17	7.66	€6.49	€76.3	3.61	€23.3	3.90
May	€3.01	4.07	€8.52	6.62	72.3	€4.02	21.1	€3.90
June	€2.94	4.14	€9.56	6.71	72.5	€3.81	€23.0	€3.69
July	€2.89	3.92	€10.22	6.53	70.9	€3.77	21.0	€3.54
August	€2.77	3.63	10.42	6.38	€70.1	€3.63	€19.6	€3.48
September	€2.98	3.96	10.19	6.46	68.8	€3.84	€20.1	€3.78
October	€3.35	4.29	€8.59	6.52	€73.0	€4.13	€19.4	€4.27
November	€3.59	4.62	7.97	€6.77	€78.2	€4.65	€19.6	€4.47
December	€3.84	4.69	7.83	7.07	79.6	€4.87	€20.8	€4.86
Annual Average	€2.95	4.14	7.88	6.57	€76.8	€3.99	€20.1	€3.78
2003								
January	€4.47	5.31	8.07	7.31	€82.1	5.31	22.4	€5.13
February	€5.45	5.87	8.43	€7.81	€79.8	6.17	21.7	6.38
March	€6.69	7.58	9.71	8.95	€80.2	8.05	21.2	€7.73
April	€4.71	5.61	10.04	8.74	€76.8	5.88	21.1	€5.64
May	€4.97	5.66	€10.56	€8.69	€73.6	5.60	20.4	€5.00
June	€5.35	€6.40	€11.78	€8.87	€72.8	6.37	19.9	6.38
July	€4.91	5.81	€12.54	8.76	70.7	5.64	25.4	5.75
August	€4.72	5.42	12.76	8.19	70.8	5.25	23.3	NA
2003 YTD^c	€5.16	5.96	9.35	8.21	€78.0	6.01	22.0	NA
2002 YTD^c	€2.71	3.94	7.73	6.44	€76.9	3.80	20.1	3.56
2001 YTD^c	4.46	6.61	10.29	9.18	66.9	6.09	19.6	5.23

^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.

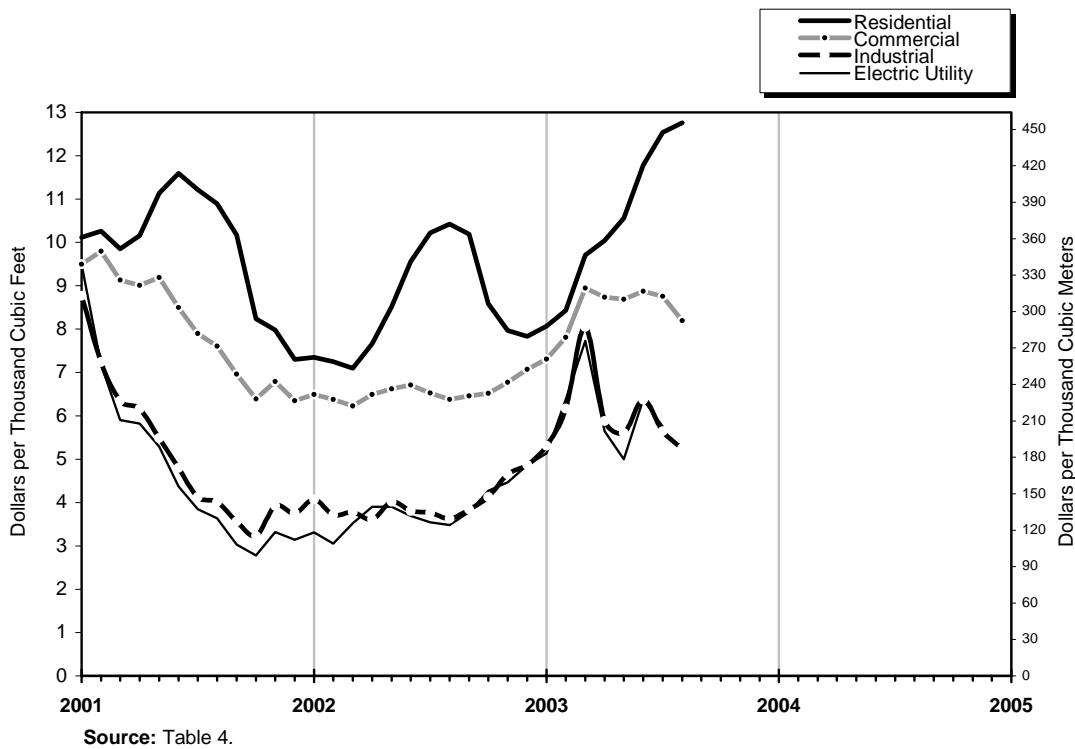
NA Not Available.

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.

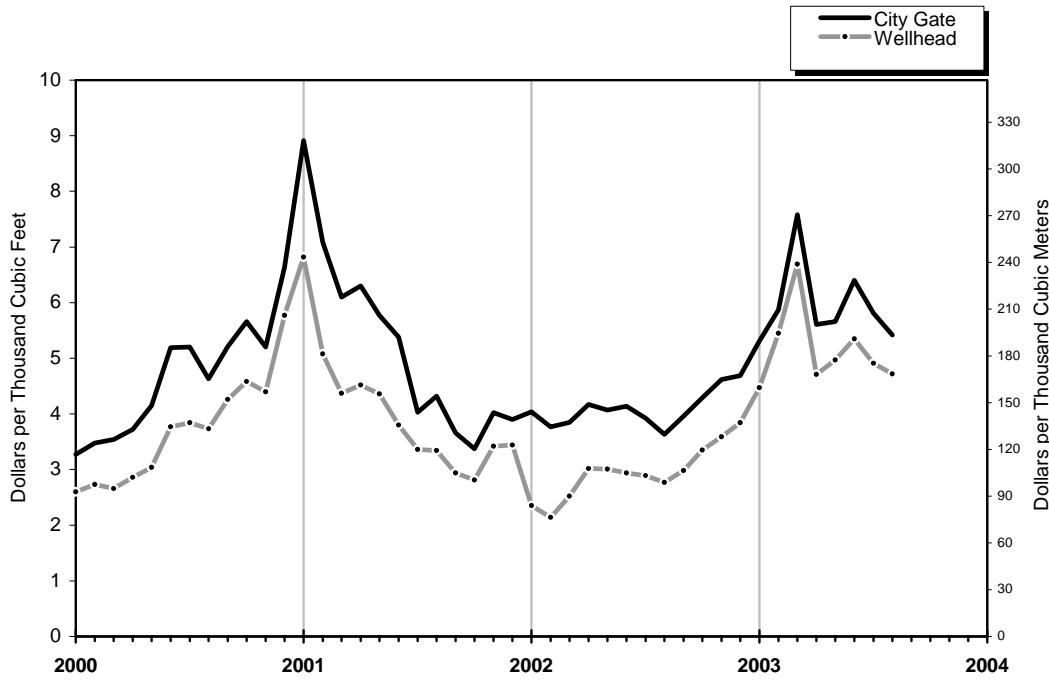
Figures 3 and 4

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					
				September	August	July			
Imports									
Volume (million cubic feet)									
Pipeline									
Canada ^a	2,477,014	2,804,374	2,837,474	269,010	287,466	282,978			
Mexico	0	1,755	7,295	0	0	0			
Total Pipeline Imports	2,477,014	2,806,129	2,844,769	269,010	287,466	282,978			
LNG									
Algeria	37,071	21,313	54,707	8,191	2,768	5,462			
Australia	0	0	2,394	0	0	0			
Brunei	0	2,401	0	0	0	0			
Indonesia	0	0	0	0	0	0			
Malaysia	2,704	2,423	0	0	0	2,704			
Nigeria	44,280	2,720	37,966	8,250	8,132	2,770			
Oman	7,757	3,013	12,055	2,322	2,646	2,788			
Qatar	10,624	35,081	22,758	5,760	0	2,993			
Trinidad	263,224	92,405	75,460	29,312	35,466	44,564			
United Arab Emirates	0	0	0	0	0	0			
Total LNG Imports	365,660	159,357	205,339	53,835	49,012	61,281			
Total Imports	2,842,674	2,965,485	3,050,108	322,845	336,478	344,260			
Average Price (dollars per thousand cubic feet)									
Pipeline									
Canada	NA	2.85	5.02	NA	NA	NA			
Mexico	-	2.36	6.05	-	-	-			
Total Pipeline Imports	NA	2.85	5.02	NA	NA	NA			
LNG									
Algeria	NA	3.48	3.96	NA	NA	NA			
Australia	-	-	3.86	-	-	-			
Brunei	-	2.82	-	-	-	-			
Indonesia	-	-	-	-	-	-			
Malaysia	NA	3.43	-	-	-	NA			
Nigeria	NA	3.61	5.56	NA	NA	NA			
Oman	NA	3.34	5.56	NA	NA	NA			
Qatar	NA	3.39	4.37	NA	-	NA			
Trinidad	NA	3.14	4.55	NA	NA	NA			
United Arab Emirates	-	-	-	-	-	-			
Total LNG Imports	NA	3.25	4.61	NA	NA	NA			
Total Imports	NA	2.87	4.99	NA	NA	NA			
Exports									
Volume (million cubic feet)									
Pipeline									
Canada	203,030	125,448	109,959	27,339	20,856	22,100			
Mexico	€240,128	192,387	98,209	€30,124	€30,124	€30,124			
Total Pipeline Exports	€443,158	317,836	208,168	€57,463	€50,980	€52,224			
LNG									
Japan	45,501	46,599	46,930	5,475	5,145	6,546			
Mexico	NA	279	323	NA	NA	NA			
Total LNG Exports	45,704	46,878	47,254	5,475	5,145	6,546			
Total Exports	€488,861	364,714	255,422	€62,938	€56,125	€58,770			
Average Price dollars per thousand cubic feet)									
Pipeline									
Canada	NA	2.89	4.65	NA	NA	NA			
Mexico	NA	3.06	5.08	NA	NA	NA			
Total Pipeline Exports	NA	2.99	4.85	NA	NA	NA			
LNG									
Japan	NA	3.99	4.42	NA	NA	NA			
Mexico	NA	5.82	5.82	NA	NA	NA			
Total LNG Exports	NA	4.00	4.43	NA	NA	NA			
Total Exports	NA	3.12	4.77	NA	NA	NA			
Net Imports - Volume	2,353,812	2,600,772	2,794,686	259,907	280,353	285,490			

See footnotes at end of table.

Table 5

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

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

	2003					
	June	May	April	March	February	January
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	235,254	259,578	261,709	282,182	276,446	322,392
Mexico	0	0	0	0	0	0
Total Pipeline Imports	235,254	259,578	261,709	282,182	276,446	322,392
LNG						
Algeria	2,788	4,190	10,893	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	11,237	11,288	2,604	0	0	0
Oman	0	0	0	0	0	0
Qatar	0	0	0	1,871	0	0
Trinidad	33,889	30,336	19,184	26,353	21,007	23,113
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	47,914	45,814	32,682	31,002	21,007	23,113
Total Imports	283,168	305,391	294,391	313,184	297,453	345,504
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	5.51	5.05	4.93	7.79	5.76	4.89
Mexico	-	-	-	-	-	-
Total Pipeline Imports	5.51	5.05	4.93	7.79	5.76	4.89
LNG						
Algeria	5.54	4.75	6.12	7.79	-	-
Australia	-	-	-	-	-	-
Brunei	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-
Nigeria	4.63	4.73	5.02	-	-	-
Oman	-	-	-	-	-	-
Qatar	-	-	-	5.94	-	-
Trinidad	5.08	4.79	5.11	5.09	4.79	4.65
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	5.00	4.77	5.44	5.38	4.79	4.65
Total Imports	5.42	5.01	4.99	7.55	5.69	4.87
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	17,540	15,223	22,677	28,909	25,141	23,244
Mexico	30,124	28,919	20,217	17,298	25,177	28,021
Total Pipeline Exports	47,664	44,143	42,893	46,207	50,318	51,266
LNG						
Japan	3,498	3,798	5,605	5,565	5,569	4,301
Mexico	19	27	33	40	40	44
Total LNG Exports	3,518	3,825	5,637	5,604	5,609	4,345
Total Exports	51,182	47,968	48,531	51,811	55,927	55,611
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	6.15	5.56	5.51	9.27	7.57	6.57
Mexico	5.95	5.60	5.15	8.46	5.78	5.03
Total Pipeline Exports	6.02	5.59	5.34	8.97	6.67	5.73
LNG						
Japan	4.75	4.61	4.43	4.29	4.43	4.42
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	4.76	4.62	4.44	4.30	4.44	4.43
Total Exports	5.94	5.51	5.24	8.46	6.45	5.63
Net Imports - Volume	231,986	257,424	245,860	261,373	241,526	289,894

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					
	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					
	July	June	May	April	March	February
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	322,654	291,606	290,759	297,315	321,851	297,023
Mexico	0	0	0	0	0	798
Total Pipeline Imports	322,654	291,606	290,759	297,315	321,851	297,821
LNG						
Algeria	4,665	4,665	7,344	1,912	0	0
Australia	0	0	0	0	0	0
Brunei	0	0	2,401	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	0	2,423	0	0	0
Nigeria	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Qatar	5,375	13,903	5,612	5,030	0	0
Trinidad	11,360	7,256	10,312	10,271	10,151	7,571
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	21,400	25,824	28,092	17,213	10,151	7,571
Total Imports	344,054	317,431	318,851	314,528	332,003	305,392
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.81	3.06	3.24	3.28	2.61	2.29
Mexico	-	-	-	-	-	2.09
Total Pipeline Imports	2.81	3.06	3.24	3.28	2.61	2.29
LNG						
Algeria	3.41	3.60	3.43	3.18	-	-
Australia	-	-	-	-	-	-
Brunei	-	-	2.82	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	-	3.43	-	-	-
Nigeria	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	3.56	3.43	3.45	3.03	-	-
Trinidad	3.22	3.18	3.23	3.09	2.68	3.00
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	3.35	3.39	3.31	3.08	2.68	3.00
Total Imports	2.84	3.09	3.25	3.27	2.61	2.31
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	11,856	14,379	14,777	12,619	14,270	15,822
Mexico	27,570	24,948	22,799	19,122	18,213	10,770
Total Pipeline Exports	39,426	39,327	37,576	31,740	32,483	26,591
LNG						
Japan	5,588	5,586	1,853	7,427	5,619	3,755
Mexico	19	25	30	26	39	37
Total LNG Exports	5,607	5,612	1,882	7,454	5,658	3,792
Total Exports	45,032	44,939	39,459	39,194	38,141	30,383
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	3.18	3.26	3.33	3.38	2.43	2.15
Mexico	3.21	3.14	3.27	3.52	2.70	2.25
Total Pipeline Exports	3.20	3.18	3.29	3.46	2.58	2.19
LNG						
Japan	4.08	3.84	3.76	3.67	3.73	4.02
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	4.09	3.85	3.79	3.68	3.74	4.04
Total Exports	3.31	3.27	3.32	3.50	2.75	2.42
Net Imports - Volume	299,021	272,492	279,392	275,334	293,862	275,009

^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. 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	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	€54,022	342	39,644
February	27,219	38,966	23	28,337	€50,723	256	35,325
March	29,303	41,993	26	31,562	€52,656	386	38,902
April	28,624	40,086	23	29,413	€49,867	291	38,190
May	28,908	35,924	23	30,596	€52,315	296	39,173
June	28,600	37,109	24	30,261	€49,327	287	38,427
July	29,707	36,269	29	30,268	€50,100	266	38,173
August	31,095	37,345	28	30,113	€49,891	243	38,316
September	30,166	34,764	28	29,438	€48,500	251	35,797
October	31,594	39,274	25	30,213	€49,250	241	36,654
November	30,465	38,823	23	29,800	€48,905	213	35,522
December	30,556	41,860	23	29,631	€49,828	271	36,679
Total	356,061	464,669	301	360,559	€605,384	3,343	450,801
2003							
January	30,763	42,229	22	29,894	83,130	236	36,158
February	28,063	38,442	21	27,119	75,511	€200	32,308
March	31,401	52,604	21	29,442	82,932	€255	35,429
April	29,782	39,481	21	28,279	78,817	€213	34,533
May	29,933	36,457	24	29,536	81,900	210	38,050
June	€29,316	36,077	23	28,445	78,820	280	33,488
July	€30,390	35,809	24	29,568	78,272	275	35,762
2003 YTD	€209,649	281,100	156	202,283	559,382	€1,670	245,728
2002 YTD	202,185	272,603	175	211,365	€359,010	2,123	267,833
2001 YTD	205,689	272,543	202	213,849	431,555	3,490	284,623

See footnotes at end of table.

Table 7

**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	€113,923	30,488	10,990	6,902	129,805	4,607	€141,591
February	€106,400	15,229	9,530	6,546	118,977	4,132	€128,156
March	€118,513	22,663	10,566	7,116	133,383	4,557	€140,777
April	€116,731	15,026	10,924	6,817	126,853	4,311	€134,043
May	€119,816	22,584	11,317	6,767	129,669	4,470	€140,654
June	€111,791	17,416	11,065	6,788	€123,702	5,804	€136,475
July	€115,349	21,166	11,099	6,818	€129,687	5,939	€143,336
2003 YTD	€802,523	144,571	75,491	47,755	€892,076	33,819	€965,032
2002 YTD	€896,245	177,945	63,374	48,763	925,058	32,659	€939,158
2001 YTD	884,153	164,307	63,083	46,776	981,747	31,476	948,924

See footnotes at end of table.

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

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas	Utah	Wyoming	Other ^a States	Federal Gulf of Mexico	U.S. Total
1997 Total	1,173	5,167,334	257,139	738,368	736,679	5,206,023	19,866,093
1998 Total	1,067	5,227,477	277,340	903,836	775,235	5,076,496	19,961,348
1999 Total	1,291	5,054,486	262,614	971,230	800,579	5,029,704	19,804,848
2000 Total	1,214	5,282,104	269,285	1,088,328	866,902	4,934,387	20,197,511
2001							
January	113	453,761	24,309	115,164	74,256	429,097	1,766,240
February	108	405,927	22,368	102,340	69,441	393,225	1,588,190
March	116	452,870	24,876	117,096	75,503	444,720	1,797,070
April	102	437,448	24,381	111,892	68,266	423,729	1,705,270
May	97	454,780	24,261	111,550	70,562	427,550	1,762,339
June	89	447,818	23,502	110,206	70,260	424,375	1,703,182
July	93	451,766	22,972	113,632	68,704	427,025	1,730,477
August	89	456,137	22,826	113,800	71,233	422,735	1,741,997
September	80	443,384	22,649	114,681	69,916	408,368	1,679,177
October	80	463,530	23,854	121,347	75,235	420,719	1,755,393
November	68	440,679	23,337	116,972	69,974	406,663	1,676,363
December	76	452,048	24,578	115,198	78,142	417,151	1,724,715
Total	1,110	5,360,148	283,913	1,363,879	861,493	5,045,357	20,630,412
2002							
January	75	€442,832	24,544	117,851	€79,940	€375,638	€1,698,291
February	69	€393,418	22,492	109,212	€73,835	€338,819	€1,516,890
March	71	€442,965	24,655	118,039	€78,423	€386,080	€1,703,826
April	74	€429,360	23,114	115,733	€74,107	€377,724	€1,633,870
May	73	€448,105	23,968	120,648	€73,343	€399,564	€1,706,306
June	73	€437,640	22,596	116,345	€74,616	€399,273	€1,662,741
July	93	€449,035	23,215	120,006	€73,137	€412,913	€1,720,288
August	68	€448,785	23,713	114,873	€74,714	€415,006	€1,702,437
September	80	€423,542	22,197	117,216	€74,451	€339,167	€1,586,025
October	70	€450,709	23,940	124,690	€79,703	€313,546	€1,628,816
November	65	€438,289	23,622	128,412	€76,485	€405,000	€1,685,430
December	165	€447,127	24,092	133,666	€82,300	€408,871	€1,723,987
Total	978	€5,251,807	282,147	1,436,692	€915,055	€4,571,601	€19,968,906
2003							
January	€168	€447,039	23,759	132,547	€83,288	€408,739	€1,756,277
February	€152	€405,902	21,511	118,544	€78,139	€360,164	€1,575,046
March	€157	€448,607	23,993	130,518	€83,107	€412,455	€1,768,497
April	€148	€425,355	22,719	123,604	€78,547	€402,281	€1,678,485
May	€146	€448,495	€23,510	116,924	€77,155	€410,568	€1,728,184
June	€137	€433,918	22,139	120,000	€79,634	€388,772	€1,664,090
July	€149	€451,986	21,673	122,714	€76,951	€380,670	€1,697,638
2003 YTD	€1,056	€3,061,302	€159,303	864,851	€556,821	€2,763,649	€11,868,217
2002 YTD	529	€3,043,355	164,582	817,834	€527,401	€2,690,011	€11,642,211
2001 YTD	718	3,104,369	166,670	781,881	496,993	2,969,721	12,052,768

^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.

E Estimated Data.

Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 2 for discussion of computation procedures and revision policy.

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

Table 8

Table 8. Gross Withdrawals and Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, July 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	\$31,824	\$468	\$32,292	\$359	\$1,414	\$128	\$30,390
Alaska	15,099	254,754	269,853	233,462	0	582	35,809
Arizona	24	0	24	0	0	0	24
California	7,478	24,086	31,564	1,553	298	145	29,568
Colorado	68,080	11,083	79,163	792	0	99	78,272
Florida	0	311	311	0	36	0	275
Kansas	35,858	0	35,858	61	0	36	35,762
Louisiana	\$98,922	\$18,211	\$117,133	\$985	\$0	\$799	\$115,349
Michigan	17,227	4,307	21,533	152	0	215	21,166
Mississippi	12,958	411	13,369	508	1,519	244	11,099
Montana	6,192	659	6,852	0	0	33	6,818
New Mexico	\$113,050	\$17,559	\$130,609	\$734	\$0	\$188	\$129,687
North Dakota	6,107	0	6,107	0	11	156	5,939
Oklahoma	\$129,580	\$13,756	\$143,336	\$0	\$0	\$0	\$143,336
Oregon	\$149	0	\$149	0	0	0	\$149
Texas	\$405,356	\$98,084	\$503,440	\$37,921	\$11,440	\$2,094	\$451,986
Utah	20,473	2,627	23,100	157	1,205	66	21,673
Wyoming	133,593	15,263	148,856	9,169	15,857	1,116	122,714
Other States	\$75,133	\$2,501	\$77,634	\$0	\$513	\$170	\$76,951
Federal Gulf of Mexico	\$380,670	\$0	\$380,670	\$0	\$0	\$0	\$380,670
Total	\$1,557,772	\$464,081	\$2,021,853	\$285,851	\$32,292	\$6,073	\$1,697,638

^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	730	5,054	-788	-51.9	169	305	136
April	4,315	896	5,211	-763	-46.0	277	118	-158
May	4,322	1,300	5,622	-668	-33.9	453	41	-412
June	4,323	1,768	6,091	-540	-23.4	506	36	-470
July	4,323	2,129	6,451	-410	-16.1	426	64	-361
August	4,324	2,435	6,760	-338	-12.2	371	62	-309
September	4,328	2,843	7,171	-199	-6.5	441	31	-411

^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.

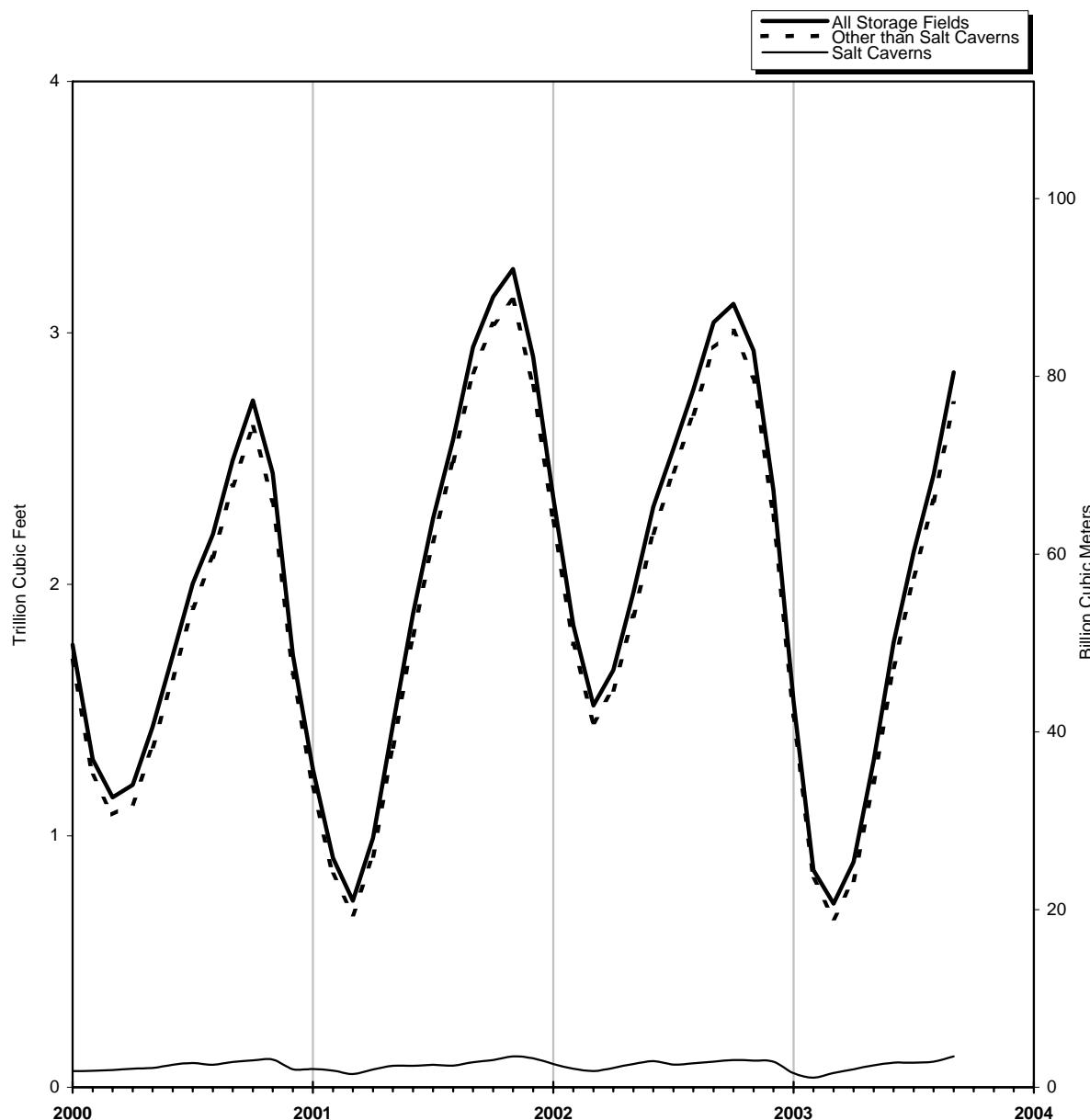
Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion

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, 2001-2003

(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
March 2001	4,300	742	5,042	-412	-35.7	116	298	183
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	730	5,054	-788	-51.9	169	305	136
Total	—	—	—	—	—	451	2,859	2,408
2003 Refill Season								
April	4,315	896	5,211	-763	-46.0	277	118	-158
May	4,322	1,300	5,622	-668	-33.9	453	41	-412
June	4,323	1,768	6,091	-540	-23.4	506	36	-470
July	4,323	2,129	6,451	-410	-16.1	426	64	-361
August	4,324	2,435	6,760	-338	-12.2	371	62	-309
September	4,328	2,843	7,171	-199	-6.5	441	31	-411
Total	—	—	—	—	—	2,472	351	-2,121

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

— Not Applicable.

Notes: Data through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period

to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

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

Table 11

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1997-2003
 (Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1997 Total^a	—	—	—	—	—	267	274	6
1998 Total^a	—	—	—	—	—	297	275	-22
1999 Total^a	—	—	—	—	—	260	259	-1
2000 Total^a	—	—	—	—	—	296	320	24
2001								
January	71	73	144	9	13.5	32	30	-2
February	69	67	136	1	1.1	19	24	5
March	69	53	122	-16	-23.6	20	35	15
April	69	71	140	-3	-4.4	32	15	-17
May	71	85	156	8	10.4	30	14	-15
June	71	85	155	-5	-5.1	26	26	0
July	71	89	160	-8	-8.4	30	27	-3
August	71	86	157	-2	-2.7	29	30	1
September	71	100	171	0	-0.3	35	19	-16
October	71	108	180	1	0.8	35	25	-10
November	77	123	200	13	11.6	35	21	-14
December	77	115	191	43	59.4	19	28	9
Total	—	—	—	—	—	341	294	-47
2002								
January	77	93	170	19	26.2	24	46	22
February	77	74	151	7	10.9	20	38	18
March	77	65	142	12	22.3	27	36	9
April	77	77	154	6	8.1	29	17	-12
May	77	93	171	8	9.7	35	19	-16
June	77	104	181	19	22.2	32	21	-10
July	80	91	171	2	2.7	29	36	7
August	80	96	176	10	11.3	32	27	-5
September	81	102	184	2	2.2	34	27	-7
October	82	108	190	0	0.1	38	31	-7
November	75	106	181	-18	-14.3	29	28	0
December	75	102	177	-13	-10.9	30	35	4
Total	—	—	—	—	—	359	361	2
2003								
January	76	56	133	-36	-39.1	21	65	43
February	76	38	114	-37	-49.3	25	42	18
March	75	57	132	-8	-11.7	39	21	-18
April	75	72	147	-5	-6.1	34	19	-14
May	75	87	162	-6	-6.7	35	20	-15
June	75	98	172	-6	-5.7	31	20	-11
July	75	98	173	7	7.7	31	30	-1
August	75	102	177	7	6.8	27	24	-3
September	75	123	198	20	19.7	34	12	-21

^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

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	673	4,922	-780	-53.7	130	284	154
April	4,240	824	5,064	-758	-47.9	243	99	-144
May	4,247	1,213	5,461	-662	-35.3	418	21	-397
June	4,248	1,671	5,919	-534	-24.2	474	15	-459
July	4,248	2,031	6,279	-417	-17.0	395	35	-360
August	4,250	2,333	6,583	-345	-12.9	343	37	-306
September	4,253	2,720	6,973	-219	-7.4	408	19	-389

^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						
	September	August	July	June	May	April	March
Alabama	-1,240	-144	-779	-742	-990	-797	-456
Arkansas	-907	-977	-752	-741	-632	-209	341
California	-21,318	-9,889	-12,996	-30,296	-27,859	-13,402	12,130
Colorado	-4,206	-6,122	-3,424	-4,683	638	773	2,924
Illinois	-33,079	-28,871	-32,362	-32,673	-29,399	-8,980	11,028
Indiana	-3,822	-2,907	-2,862	-3,017	-1,609	158	1,946
Iowa	-14,850	-12,884	-10,709	-5,103	-3,694	-80	4,895
Kansas	-15,287	-9,840	-9,728	-18,311	-11,018	-521	-4,997
Kentucky	-8,643	-7,289	-9,214	-13,017	-9,916	-2,675	3,213
Louisiana	-41,817	-20,684	-23,420	-33,846	-28,994	-11,766	7,692
Maryland	-160	-110	-1,363	-2,816	-2,534	-750	-124
Michigan	-74,175	-73,438	-92,383	-84,460	-71,124	-20,439	42,692
Minnesota	-239	-259	-331	-309	0	0	199
Mississippi	-3,571	-944	-7,197	-8,962	-8,651	-1,746	-8,327
Missouri	-477	25	23	27	-1,524	445	170
Montana	-1,551	-1,983	-2,317	-1,720	-1,041	-179	3,666
Nebraska	-1,291	651	1,146	-1,004	-537	-248	504
New Mexico	-30	-619	346	-605	45	-471	184
New York	-9,733	-9,714	-11,871	-13,110	-9,786	-4,999	6,003
Ohio	-25,377	-26,603	-31,747	-31,526	-31,723	-9,789	10,463
Oklahoma	-28,604	-10,965	-11,064	-24,846	-23,041	-9,198	13,335
Oregon	-1,220	-2,140	-2,348	-3,529	-113	1,174	2,426
Pennsylvania	-51,734	-37,772	-39,413	-61,273	-69,939	-15,724	8,917
Tennessee	-2	-95	-75	0	-35	0	68
Texas	-33,418	-14,729	-20,073	-45,027	-34,335	-32,473	5,851
Utah	-4,182	-2,011	-1,037	-4,308	-4,476	-7,759	1,240
Virginia	-615	-823	-412	-475	-447	-268	179
Washington	-1,935	-2,957	-1,140	-2,415	-4,927	-412	-624
West Virginia	-24,067	-22,726	-32,032	-38,730	-32,162	-16,008	5,161
Wyoming	-3,016	-2,016	-1,955	-2,139	-2,151	-2,118	4,899
AGA Regions							
Producing	-124,874	-58,903	-72,668	-133,079	-107,616	-57,180	13,624
Eastern Consuming	-248,025	-222,556	-263,274	-287,177	-264,428	-79,357	95,115
Western Consuming	-37,667	-27,376	-25,547	-49,399	-39,930	-21,924	26,859
Total	-410,566	-308,835	-361,489	-469,656	-411,974	-158,461	135,599

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	2003		2002				
	February	January	Total	December	November	October	September
Alabama	-420	1,789	-560	142	-396	-128	-64
Arkansas	1,409	1,836	369	870	164	-19	-393
California	49,464	33,248	15,006	42,090	-3,132	-8,108	-4,707
Colorado	8,432	4,213	1,136	2,050	-216	860	-4,010
Illinois	50,338	70,407	18,753	52,256	19,257	-29,678	-38,523
Indiana	5,301	7,519	1,502	3,787	-35	-2,819	-3,096
Iowa	13,459	21,778	4,260	19,193	-3,202	-12,941	-12,563
Kansas	20,396	25,657	18,212	15,396	10,896	2,224	-11,061
Kentucky	17,123	21,305	9,663	9,187	4,857	-1,870	-6,208
Louisiana	55,201	66,838	35,910	33,271	30,071	-6,114	-37,513
Maryland	4,003	4,738	-701	416	80	143	44
Michigan	128,637	157,642	100,037	97,960	46,438	-12,987	-49,663
Minnesota	504	659	4	6	-85	-198	-299
Mississippi	7,791	16,204	2,987	3,567	-381	1,973	89
Missouri	555	1,218	-413	-118	-272	-294	-781
Montana	4,732	4,353	-5,924	3,473	1,917	69	-4,292
Nebraska	1,512	1,170	1,104	762	55	0	-922
New Mexico	1,728	424	8,646	1,915	1,324	706	-486
New York	17,730	22,151	12,907	15,589	3,803	-1,638	-5,554
Ohio	43,314	62,002	27,849	46,655	17,321	-6,959	-22,382
Oklahoma	32,780	38,560	36,056	22,334	9,679	3,302	-6,868
Oregon	2,367	2,570	-1,684	1,198	-918	-503	-690
Pennsylvania	77,271	119,623	50,587	75,625	9,413	-4,996	-37,856
Tennessee	110	62	69	0	88	2	3
Texas	72,434	77,260	71,631	51,254	31,438	-9,965	-19,950
Utah	8,305	7,036	-2,187	7,272	3,375	401	-3,633
Virginia	496	978	393	488	274	-222	-301
Washington	7,520	3,221	-362	1,092	-1,335	1,698	-1,487
West Virginia	37,668	61,978	43,394	44,494	14,592	3,632	-16,735
Wyoming	5,576	4,741	-1,250	5,800	2,629	291	-1,837
AGA Regions							
Producing	191,320	228,568	173,250	128,748	82,796	-8,020	-76,245
Eastern Consuming	397,516	552,572	269,404	366,294	112,668	-70,626	-194,538
Western Consuming	86,900	60,042	4,737	62,981	2,236	-5,490	-20,955
Total	675,736	841,183	447,391	558,024	197,700	-84,135	-291,738

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

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

Table 14. Activities of Underground Natural Gas Storage Operators, by State, September 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	8,520	2,975	5,555	8,530	3,132	129.2	1,283	44
Arkansas	22,000	8,715	7,002	15,717	-384	-5.2	907	0
California	478,995	232,490	205,086	437,575	-9,758	-4.5	22,630	1,311
Colorado	101,055	47,528	34,494	82,022	-3,074	-8.2	5,394	1,188
Illinois	945,307	666,338	238,005	904,343	-6,942	-2.8	34,216	1,137
Indiana	111,095	79,019	26,626	105,644	-1,819	-6.4	3,834	12
Iowa	273,200	199,550	54,355	253,905	6,308	13.1	14,855	5
Kansas	299,474	178,309	91,033	269,342	-4,876	-5.1	15,947	661
Kentucky	220,597	139,749	67,558	207,307	-3,566	-5.0	8,752	109
Louisiana	587,116	269,278	222,542	491,820	-26,090	-10.5	44,953	3,136
Maryland	62,000	46,677	12,956	59,633	-1,523	-10.5	773	614
Michigan	1,075,261	445,942	473,532	919,475	-54,378	-10.3	74,673	498
Minnesota	7,000	4,840	1,846	6,686	-28	-1.5	239	0
Mississippi	144,787	80,375	59,324	139,699	9,971	20.2	5,479	1,908
Missouri	32,098	21,600	10,022	31,622	220	2.2	496	20
Montana	374,201	179,123	24,086	203,208	-9,012	-27.2	3,704	2,154
Nebraska	39,469	26,379	3,772	30,152	-2,104	-35.8	1,352	61
New Mexico	89,800	32,132	5,989	38,121	-3,782	-38.7	1,536	1,506
New York	190,157	98,937	78,382	177,319	4,175	5.6	9,962	228
Ohio	573,709	348,821	169,526	518,346	-19,331	-10.2	25,809	432
Oklahoma	389,947	208,028	124,239	332,267	-13,050	-9.5	29,130	525
Oregon	23,676	9,714	13,465	23,179	1,037	8.3	1,220	0
Pennsylvania	714,417	339,855	356,085	695,940	-14,940	-4.0	53,548	1,815
Tennessee	1,200	340	463	803	-140	-23.2	2	0
Texas	699,472	235,812	272,617	508,429	-38,185	-12.3	43,483	10,066
Utah	129,480	64,714	44,275	108,990	-3,944	-8.2	6,578	2,396
Virginia	6,344	2,836	3,247	6,083	616	23.4	671	56
Washington	39,628	19,931	19,681	39,612	1,139	6.1	2,239	303
West Virginia	509,836	272,993	191,226	464,219	2,440	1.3	24,309	242
Wyoming	115,069	64,989	25,926	90,915	-10,836	-29.5	3,227	211
AGA Regions								
Producing	2,241,115	1,015,623	788,302	1,803,926	-73,263	-8.5	142,719	17,845
Eastern Consuming	4,754,690	2,689,036	1,685,755	4,374,791	-90,983	-5.1	253,254	5,229
Western Consuming	1,269,103	623,328	368,859	992,187	-34,477	-8.5	45,231	7,564
Total	8,264,908	4,327,988	2,842,916	7,170,904	-198,723	-6.5	441,204	30,638

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

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

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

Table 15

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

State	YTD 2003	YTD 2002	YTD 2001	2003		
				August	July	June
Alabama	35,329	32,026	38,816	1,116	1,511	^R 1,309
Alaska	NA	11,030	9,365	598	NA	NA
Arizona	25,164	26,723	27,388	1,082	1,104	1,344
Arkansas	29,228	28,251	25,731	771	831	923
California	326,946	354,184	358,714	21,794	24,550	27,248
Colorado	75,752	NA	91,139	2,664	2,725	3,771
Connecticut	33,332	27,222	28,663	1,071	1,169	1,669
Delaware	7,974	6,356	7,229	179	214	346
District of Columbia	10,377	8,290	10,122	299	295	351
Florida	12,074	10,863	11,905	745	762	826
Georgia	85,986	77,504	83,195	4,159	3,677	3,853
Hawaii	373	365	364	45	42	41
Idaho	12,947	14,168	13,552	355	414	634
Illinois	322,304	298,626	290,334	9,605	9,924	11,730
Indiana	109,949	102,828	105,407	2,622	2,655	4,081
Iowa	NA	47,358	52,086	1,398	1,412	1,816
Kansas	NA	49,219	54,670	NA	1,456	1,695
Kentucky	42,285	36,260	37,662	1,053	1,166	1,235
Louisiana	NA	38,785	36,055	NA	1,798	1,624
Maine	782	NA	674	27	26	29
Maryland	62,404	47,624	55,721	1,822	1,838	2,346
Massachusetts	NA	75,493	82,964	NA	2,916	4,531
Michigan	274,743	245,583	248,040	7,050	7,722	11,280
Minnesota	91,835	NA	86,560	2,700	2,704	2,820
Mississippi	NA	19,543	21,537	694	710	781
Missouri	85,194	80,295	89,414	2,113	2,311	^R 3,125
Montana	13,444	14,500	13,690	413	441	642
Nebraska	29,886	30,019	34,842	902	876	1,068
Nevada	22,457	22,666	22,265	994	1,114	1,221
New Hampshire	5,931	4,792	5,102	162	171	278
New Jersey	176,057	135,182	154,743	5,131	5,624	7,239
New Mexico	NA	23,704	27,477	748	828	1,001
New York	NA	252,913	278,585	9,017	10,436	15,806
North Carolina	47,647	38,599	42,181	1,044	1,183	1,512
North Dakota	7,697	NA	6,822	228	201	227
Ohio	242,131	216,740	225,325	6,216	^R 7,520	9,196
Oklahoma	51,582	49,654	50,338	1,268	1,450	1,832
Oregon	26,337	27,907	27,320	819	997	1,600
Pennsylvania	191,911	156,077	177,950	4,874	5,316	7,568
Rhode Island	15,473	12,663	14,052	468	495	812
South Carolina	22,240	19,294	21,468	498	536	636
South Dakota	8,872	8,467	8,611	226	245	348
Tennessee	54,805	49,827	52,106	1,098	1,279	1,494
Texas	151,245	146,371	152,644	5,563	5,843	^R 6,013
Utah	33,839	37,459	34,300	1,355	1,359	1,540
Vermont	2,307	1,942	2,089	60	65	95
Virginia	58,555	46,293	52,430	1,511	1,585	1,860
Washington	NA	52,634	49,819	NA	NA	2,896
West Virginia	NA	21,884	22,614	NA	NA	744
Wisconsin	95,886	87,169	87,065	2,599	2,673	3,301
Wyoming	7,879	NA	7,450	242	241	400
Total	3,594,407	3,276,898	3,438,596	116,965	^R127,235	^R159,310

See footnotes at end of table.

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

State	2003					2002
	May	April	March	February	January	Total
Alabama	1,897	3,232	5,999	9,811	10,454	44,311
Alaska	932	1,328	2,046	1,705	2,216	16,732
Arizona	2,057	2,963	4,852	4,836	6,926	35,631
Arkansas	1,480	3,043	6,369	8,066	7,745	39,142
California	35,696	45,497	50,395	60,278	61,487	511,078
Colorado	5,586	8,598	14,554	19,901	17,952	NA
Connecticut	2,588	4,140	5,900	8,437	8,359	40,663
Delaware	529	955	1,548	1,995	2,206	9,105
District of Columbia	573	1,053	1,714	2,677	3,415	14,055
Florida	986	1,205	1,614	2,867	3,069	15,220
Georgia	4,659	7,233	12,040	20,574	29,792	127,872
Hawaii	48	47	49	50	51	539
Idaho	1,406	1,862	2,480	2,765	3,030	20,380
Illinois	17,469	35,326	59,657	82,312	96,280	465,543
Indiana	6,634	10,602	18,731	29,190	35,434	155,738
Iowa	3,119	5,598	10,447	NA	13,968	71,486
Kansas	2,789	6,300	12,405	NA	16,114	71,002
Kentucky	1,445	3,600	6,923	12,058	14,805	60,304
Louisiana	2,209	2,950	NA	10,885	11,284	53,675
Maine	56	106	161	177	199	NA
Maryland	3,877	6,758	11,517	16,217	18,028	80,447
Massachusetts	7,763	13,038	19,395	23,246	21,290	NA
Michigan	20,811	34,648	55,639	67,295	70,297	364,741
Minnesota	5,547	10,137	18,108	23,991	25,826	NA
Mississippi	1,060	1,848	NA	NA	5,600	NA
Missouri	4,749	9,071	17,792	23,460	22,573	115,721
Montana	1,260	1,614	2,873	2,978	3,222	21,605
Nebraska	1,730	3,359	6,620	7,468	7,863	43,033
Nevada	2,114	2,960	4,059	4,563	5,431	32,003
New Hampshire	499	825	1,220	1,433	1,342	6,978
New Jersey	12,194	22,293	34,235	43,657	45,683	208,910
New Mexico	1,623	NA	4,566	5,031	6,018	33,183
New York	26,800	43,761	63,978	NA	71,105	374,539
North Carolina	2,625	4,944	8,559	13,197	14,583	58,973
North Dakota	462	825	1,663	1,970	2,122	NA
Ohio	15,246	26,375	46,719	62,676	68,185	324,416
Oklahoma	2,750	5,720	11,566	12,944	14,052	68,285
Oregon	3,058	3,838	4,992	5,064	5,968	38,866
Pennsylvania	12,305	22,406	38,646	49,505	51,289	237,640
Rhode Island	1,418	2,137	3,246	3,707	3,191	17,920
South Carolina	1,170	2,249	4,206	6,502	6,444	27,757
South Dakota	585	1,040	1,870	2,132	2,427	12,861
Tennessee	2,251	4,337	10,462	16,056	17,827	71,279
Texas	7,966	11,380	28,672	40,393	45,416	211,601
Utah	2,489	4,414	6,045	8,463	8,174	58,895
Vermont	188	332	483	580	504	2,761
Virginia	2,725	5,999	9,778	15,915	19,182	76,982
Washington	5,102	7,061	9,371	NA	10,385	73,752
West Virginia	1,187	2,316	4,445	6,307	NA	32,550
Wisconsin	6,258	11,862	17,965	23,499	27,729	136,129
Wyoming	497	1,113	1,488	1,754	2,145	NA
Total	250,467	417,364	678,179	889,459	955,428	4,909,249

See footnotes at end of table.

Table 15**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	5,753	3,122	1,220	797	783	835
California	65,607	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	4,087	1,797	981	972	964
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	25,175	15,904	5,610	3,679	3,598	3,707
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	3,192	1,914	1,737	1,684	1,803
Maine	169	103	66	26	26	25
Maryland	16,143	9,715	5,034	1,931	1,640	1,635
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	694	693	728
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	1,071	665	279	169	145	212
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	57,945	36,707	17,253	9,721	9,188	9,726
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	53,474	31,831	16,314	6,057	6,084	7,578
Oklahoma	9,806	5,486	1,871	1,468	1,700	1,711
Oregon	5,167	3,424	1,436	931	840	993
Pennsylvania	40,690	24,408	11,310	5,155	4,465	5,177
Rhode Island	2,621	1,580	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	17,808	8,757	5,685	5,629	5,901
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	5,256	3,325	1,541	544	444	532
Wisconsin	20,800	15,669	9,616	2,875	2,656	2,587
Wyoming	1,844	1,372	885	396	183	509
Total	773,114	483,523	251,228	124,485	116,617	125,277

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	1,231	989	1,453	2,185	1,998	2,125
Arizona	1,384	1,718	2,678	4,531	6,659	7,599
Arkansas	1,066	1,510	3,707	6,174	6,960	7,216
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	R1,431	2,379	3,952	4,983	6,345	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	3,766	4,895	5,842	13,905	19,447	22,343
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	2,010	2,179	4,361	7,700	9,214	9,833
Maine	NA	49	88	134	138	141
Maryland	2,059	3,088	4,739	9,705	11,885	12,873
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	745	839	2,147	4,154	4,776	5,461
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	13,835	23,395	34,191	51,006	53,782	57,791
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	9,957	16,819	29,556	45,239	47,494	54,013
Oklahoma	2,187	2,978	6,630	10,581	11,106	12,761
Oregon	1,613	2,776	3,851	5,257	6,096	6,480
Pennsylvania	7,274	12,211	22,201	31,731	33,339	39,679
Rhode Island	783	1,268	1,858	2,282	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	R5,981	R6,575	R14,383	29,919	38,418	39,565
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	11,104	13,527
Washington	3,142	5,537	7,879	10,270	11,229	10,931
West Virginia	528	1,602	2,616	4,485	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	R160,629	R255,329	R415,926	665,207	717,730	820,184

^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

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

State	YTD 2003	YTD 2002	YTD 2001	2003		
				August	July	June
Alabama	18,981	17,365	19,749	1,137	1,234	1,209
Alaska	12,452	10,271	9,350	1,354	1,276	1,265
Arizona	21,864	22,960	21,717	1,931	1,953	2,044
Arkansas	NA	23,517	21,500	NA	1,392	1,410
California	NA	169,465	166,711	16,299	16,716	17,260
Colorado	37,714	NA	48,301	1,758	1,775	2,373
Connecticut	26,517	NA	30,883	1,437	1,570	1,706
Delaware	NA	5,068	4,287	270	289	331
District of Columbia	12,169	11,361	12,229	985	836	800
Florida	NA	35,211	33,880	NA	3,995	4,105
Georgia	35,983	34,168	34,814	2,089	2,740	2,612
Hawaii	1,169	1,135	1,193	137	145	142
Idaho	8,086	10,591	9,667	356	378	485
Illinois	140,273	133,022	129,807	6,326	6,770	6,186
Indiana	59,897	53,244	55,103	1,881	2,359	2,606
Iowa	NA	30,233	32,324	1,253	1,264	1,504
Kansas	NA	26,811	28,993	NA	1,264	1,336
Kentucky	28,159	23,251	24,992	1,087	1,088	1,191
Louisiana	NA	15,681	20,614	870	975	929
Maine	2,906	NA	1,831	182	151	219
Maryland	46,916	39,299	40,912	3,117	3,054	3,290
Massachusetts	51,316	52,527	45,300	1,971	2,562	5,597
Michigan	133,960	117,615	125,977	5,475	5,323	6,149
Minnesota	67,899	NA	65,769	2,318	3,509	2,564
Mississippi	NA	14,338	15,748	977	1,123	1,116
Missouri	46,147	44,659	48,495	2,110	1,923	2,350
Montana	9,516	10,082	9,216	443	452	614
Nebraska	20,354	19,862	20,696	1,107	998	1,126
Nevada	15,016	15,688	15,369	1,099	1,223	1,288
New Hampshire	NA	6,690	5,601	334	323	413
New Jersey	115,507	97,044	99,872	6,507	7,108	6,507
New Mexico	17,535	18,451	17,905	918	977	1,173
New York	206,253	238,283	228,357	15,302	15,097	13,303
North Carolina	31,018	26,241	27,709	1,603	1,639	1,764
North Dakota	7,039	NA	6,730	279	265	203
Ohio	124,087	108,947	125,253	4,337	4,274	4,689
Oklahoma	29,011	30,289	32,263	1,301	1,281	1,378
Oregon	18,325	20,482	19,838	979	1,059	1,413
Pennsylvania	111,708	96,656	97,782	4,763	5,023	5,690
Rhode Island	NA	9,967	9,524	NA	NA	460
South Carolina	15,620	14,396	14,872	1,145	1,149	1,154
South Dakota	6,862	6,617	6,671	282	264	325
Tennessee	43,235	36,109	39,858	2,363	2,380	2,593
Texas	126,807	134,277	125,401	14,169	11,075	^9,904
Utah	19,331	22,193	19,971	961	892	1,017
Vermont	2,012	1,704	1,843	75	71	94
Virginia	NA	40,608	41,433	2,925	2,855	2,679
Washington	NA	37,247	34,907	NA	NA	^2,612
West Virginia	NA	15,768	17,659	NA	NA	819
Wisconsin	57,711	52,836	53,073	2,102	2,150	2,274
Wyoming	6,132	7,257	6,558	273	264	399
Total	2,171,007	2,103,302	2,128,507	134,131	128,235	^134,670

See footnotes at end of table.

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

State	2003					2002
	May	April	March	February	January	Total
Alabama	1,508	1,948	3,000	4,466	4,479	24,826
Alaska	1,277	1,627	1,843	1,637	2,174	16,903
Arizona	2,429	2,802	3,373	3,330	4,002	32,836
Arkansas	1,754	2,583	4,432	5,599	5,123	33,255
California	20,332	22,009	24,905	NA	NA	245,334
Colorado	2,807	4,526	7,272	9,018	8,185	NA
Connecticut	2,065	3,584	4,542	5,540	6,074	NA
Delaware	428	712	1,002	1,416	NA	7,487
District of Columbia	1,027	1,499	2,017	2,456	2,548	NA
Florida	4,337	4,585	4,948	5,671	5,469	51,954
Georgia	2,302	3,540	4,810	7,727	10,162	52,821
Hawaii	143	144	146	150	161	1,720
Idaho	840	1,104	1,472	1,638	1,812	14,779
Illinois	9,073	15,427	25,986	33,167	37,339	R205,952
Indiana	3,951	5,541	10,132	15,384	18,043	R83,386
Iowa	2,012	3,735	6,519	NA	8,265	46,248
Kansas	1,671	2,959	5,701	6,708	6,784	38,812
Kentucky	1,533	3,059	5,293	6,977	7,930	36,329
Louisiana	1,073	1,530	NA	NA	2,578	24,301
Maine	205	414	560	638	537	NA
Maryland	3,923	5,810	7,302	9,548	10,870	64,711
Massachusetts	4,208	7,411	8,147	10,959	10,462	R78,673
Michigan	10,197	17,590	26,544	30,626	32,055	173,019
Minnesota	5,358	7,975	12,326	16,315	17,534	NA
Mississippi	1,194	1,498	NA	NA	3,590	NA
Missouri	3,061	4,875	9,142	11,638	11,049	64,806
Montana	930	1,220	1,943	1,978	1,936	14,612
Nebraska	1,582	2,476	4,077	4,715	4,273	27,870
Nevada	1,725	1,997	2,376	2,475	2,832	22,904
New Hampshire	601	949	1,367	NA	NA	10,212
New Jersey	9,756	14,743	20,728	24,976	25,181	150,653
New Mexico	1,660	2,405	3,130	3,382	3,890	25,044
New York	17,593	23,904	36,670	42,935	41,449	R363,004
North Carolina	2,382	3,408	4,991	7,375	7,856	40,143
North Dakota	377	598	1,537	1,832	1,947	NA
Ohio	7,031	14,358	23,536	29,645	36,218	163,260
Oklahoma	2,014	3,438	6,067	6,895	6,637	41,076
Oregon	2,093	2,550	3,191	3,295	3,745	28,530
Pennsylvania	7,805	13,373	20,545	25,661	28,848	148,346
Rhode Island	757	1,190	1,744	1,972	1,849	14,482
South Carolina	1,421	1,762	2,345	3,220	3,425	21,328
South Dakota	454	790	1,383	1,651	1,713	10,252
Tennessee	3,088	3,897	7,314	10,384	11,218	52,567
Texas	R11,958	R12,724	R18,908	R22,931	R25,137	NA
Utah	1,580	2,564	3,344	4,525	4,449	33,894
Vermont	157	302	397	486	429	2,470
Virginia	3,556	4,841	7,323	NA	11,330	63,896
Washington	3,641	4,670	5,634	5,884	6,489	51,868
West Virginia	NA	NA	NA	3,620	3,964	23,072
Wisconsin	3,280	6,607	11,162	14,337	15,800	85,132
Wyoming	536	901	1,099	1,307	1,353	11,069
Total	R175,779	R255,632	R379,904	R472,970	R489,686	R3,165,922

See footnotes at end of table.

Table 16

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	1,096	1,073
Alaska	2,308	1,853	1,671	799	669	590
Arizona	3,447	2,521	1,994	1,915	1,891	1,976
Arkansas	3,834	2,786	1,763	1,355	1,387	1,752
California	22,450	18,471	18,657	16,290	17,840	17,229
Colorado	9,059	7,228	5,014	2,223	1,731	1,691
Connecticut	5,581	3,471	2,443	1,838	1,932	1,800
Delaware	1,101	683	356	280	270	259
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	9,069	4,704	2,794	2,085	2,138	2,176
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	2,617	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	2,735	2,150	1,862	1,873	1,412	1,420
Maine	NA	NA	NA	459	328	NA
Maryland	10,259	7,154	4,656	3,343	2,388	2,440
Massachusetts	10,105	6,281	5,848	3,911	3,867	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	1,322	1,007	684	510	300	481
New Jersey	22,805	13,465	8,958	8,381	5,972	6,158
New Mexico	3,006	1,691	1,119	778	953	962
New York	42,827	38,156	22,655	21,083	23,416	23,454
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	24,518	16,203	9,189	4,403	4,288	4,704
Oklahoma	4,830	2,942	1,504	1,512	1,519	1,417
Oregon	3,335	2,345	1,286	1,082	1,008	1,090
Pennsylvania	22,449	14,434	9,393	5,414	5,316	5,128
Rhode Island	1,904	1,286	763	561	522	570
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	13,108	10,586	12,042	11,447
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	3,231	2,319	870	884	966	924
Wisconsin	12,935	9,858	6,478	3,025	2,976	2,281
Wyoming	1,495	1,159	767	391	220	470
Total	418,913	300,630	200,501	142,575	139,266	138,515

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	810	1,688	1,831	1,782	1,970
Arizona	2,152	2,399	2,779	3,482	3,992	4,288
Arkansas	1,558	1,934	2,967	4,395	4,857	4,666
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	298	453	697	942	1,003	1,146
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	2,172	2,670	3,032	5,910	7,633	8,438
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	^24,854	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	2,418	5,028	5,275	5,473
Louisiana	1,467	1,121	1,660	2,956	2,775	2,870
Maine	365	NA	NA	679	701	738
Maryland	2,776	3,166	4,450	7,634	8,057	8,388
Massachusetts	4,788	5,626	7,139	8,517	10,392	^8,657
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	974	1,023	1,691	2,557	3,146	3,092
Missouri	2,218	4,053	5,728	8,756	9,749	10,219
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	566	726	875	1,296	1,280	1,167
New Jersey	6,522	10,873	12,326	15,632	18,908	20,655
New Mexico	1,208	1,627	2,395	3,415	3,981	3,910
New York	20,772	22,035	^29,901	38,759	41,017	38,928
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	5,800	9,441	14,847	22,737	24,083	23,048
Oklahoma	1,652	2,235	3,959	5,630	6,986	6,891
Oregon	1,430	2,042	2,642	3,449	3,969	4,853
Pennsylvania	5,914	8,607	13,508	17,923	19,523	20,737
Rhode Island	694	1,008	1,328	1,697	1,897	2,252
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	2,355	2,599	4,325	6,459	7,390	9,170
Texas	11,431	12,551	15,635	21,054	22,042	28,076
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	1,068	1,517	2,097	3,025	3,004	3,166
Wisconsin	2,597	4,513	6,634	11,404	10,392	12,040
Wyoming	420	630	1,000	1,391	1,288	1,838
Total	148,204	193,029	^268,412	^375,965	402,592	^437,319

^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

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

State	YTD 2003	YTD 2002	YTD 2001	2003		
				August	July	June
Alabama	100,117	107,959	104,869	11,973	11,693	11,202
Alaska	45,405	45,751	46,079	6,280	6,200	6,290
Arizona	10,973	NA	15,328	1,280	1,204	1,271
Arkansas	NA	77,250	78,248	NA	7,104	8,674
California	439,862	465,918	421,924	59,553	55,614	55,575
Colorado	NA	NA	41,014	9,146	9,752	7,687
Connecticut	18,128	NA	17,967	2,181	1,943	1,750
Delaware	10,351	13,021	13,088	1,080	914	944
District of Columbia	0	0	0	0	0	0
Florida	NA	64,780	62,546	4,827	5,531	5,217
Georgia	90,088	97,048	91,290	10,795	10,705	9,537
Hawaii	299	332	373	37	38	36
Idaho ^a	16,505	NA	20,667	1,545	1,633	2,006
Illinois	177,025	NA	186,190	16,140	16,153	17,865
Indiana	160,710	165,138	168,480	17,687	16,666	16,551
Iowa	59,509	58,441	61,146	6,478	6,437	6,427
Kansas	NA	67,986	62,337	NA	9,750	7,159
Kentucky	63,963	65,038	63,517	7,100	6,652	6,616
Louisiana	455,495	467,648	472,468	57,887	56,026	49,753
Maine	2,161	917	7,043	217	278	202
Maryland	NA	18,097	18,530	NA	NA	1,355
Massachusetts	NA	50,288	57,707	NA	5,216	3,350
Michigan	153,409	162,788	154,105	14,654	13,732	13,764
Minnesota	59,982	NA	59,666	6,520	6,384	6,305
Mississippi	69,352	75,478	67,213	6,990	7,082	8,557
Missouri	42,101	44,328	45,835	4,981	3,476	4,026
Montana	12,056	NA	14,062	1,086	1,122	1,403
Nebraska	25,174	26,837	26,903	4,145	4,336	1,805
Nevada	7,034	7,162	7,392	781	775	822
New Hampshire	NA	NA	5,454	583	538	459
New Jersey	53,847	NA	58,018	5,684	5,989	5,801
New Mexico	13,427	13,109	24,535	1,352	1,590	1,634
New York	NA	61,492	58,200	NA	10,228	8,643
North Carolina	59,223	64,935	55,644	7,018	6,157	5,828
North Dakota	7,956	9,177	12,752	585	812	1,181
Ohio	193,297	207,879	197,438	20,234	19,403	18,652
Oklahoma	75,512	76,462	102,270	9,629	9,168	8,055
Oregon	43,301	48,718	46,904	5,429	5,234	4,945
Pennsylvania	126,309	130,102	130,563	14,621	13,530	12,591
Rhode Island	3,017	1,656	3,899	278	253	462
South Carolina	49,825	65,928	49,506	5,981	5,613	5,210
South Dakota	NA	2,249	2,884	744	803	806
Tennessee	76,496	78,838	77,710	7,946	7,749	9,356
Texas	1,128,301	1,237,330	1,433,470	160,603	170,152	121,667
Utah	16,552	17,455	22,890	1,955	1,912	1,902
Vermont	1,507	1,997	1,584	171	152	173
Virginia	45,002	51,309	40,706	3,864	4,871	6,250
Washington	NA	46,259	46,298	NA	NA	4,607
West Virginia	NA	30,056	26,020	NA	NA	3,178
Wisconsin	92,696	92,113	90,025	8,896	8,395	8,800
Wyoming	32,932	27,807	24,259	3,559	3,727	3,855
Total	4,548,340	4,824,502	4,897,017	550,179	551,492	490,205

See footnotes at end of table.

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

State	2003					2002
	May	April	March	February	January	Total
Alabama	12,158	12,181	12,615	13,738	14,557	161,412
Alaska	6,259	6,370	5,292	4,386	4,328	65,354
Arizona	1,299	1,377	1,510	1,456	1,575	NA
Arkansas	9,119	9,723	9,575	10,429	11,636	117,903
California	54,026	52,529	56,975	53,341	52,249	719,060
Colorado	10,710	7,789	10,445	12,398	NA	NA
Connecticut	2,017	2,472	2,487	2,428	2,849	NA
Delaware	818	922	1,381	1,880	2,412	NA
District of Columbia	0	0	0	0	0	0
Florida	5,824	5,633	5,616	NA	NA	R95,920
Georgia	11,439	12,024	10,952	11,701	12,936	145,243
Hawaii	35	38	40	36	40	475
Idaho ^a	2,009	2,210	2,404	2,204	2,493	NA
Illinois	19,020	21,870	26,162	28,737	31,078	NA
Indiana	18,105	19,223	21,778	24,137	26,563	254,382
Iowa	6,868	7,049	7,931	9,747	8,572	90,401
Kansas	7,962	7,083	8,292	8,971	10,000	108,065
Kentucky	7,381	7,044	8,099	9,711	11,359	100,902
Louisiana	60,073	60,281	55,684	55,001	60,789	726,009
Maine	205	228	276	R330	R424	1,281
Maryland	1,580	2,408	2,026	2,140	2,248	NA
Massachusetts	6,055	6,034	7,634	6,264	NA	76,568
Michigan	15,790	19,507	22,977	26,375	26,609	236,820
Minnesota	6,576	7,148	7,990	9,626	9,432	NA
Mississippi	8,106	8,510	8,585	9,793	11,729	115,785
Missouri	4,377	4,924	6,098	6,923	7,297	66,914
Montana	1,310	1,842	1,858	1,989	1,447	NA
Nebraska	2,600	3,502	2,470	3,071	3,245	40,143
Nevada	846	1,005	1,000	766	1,039	11,168
New Hampshire	653	697	747	NA	NA	NA
New Jersey	7,744	6,496	7,136	7,313	7,684	NA
New Mexico	1,734	1,795	1,774	1,781	1,766	19,840
New York	8,868	12,547	14,941	NA	14,479	R91,727
North Carolina	6,931	7,497	7,616	9,278	8,898	98,980
North Dakota	1,197	1,071	944	778	1,388	13,028
Ohio	22,211	23,385	27,287	29,597	32,528	317,701
Oklahoma	8,645	9,414	9,473	9,675	11,453	117,864
Oregon	5,395	5,250	5,589	5,514	5,945	72,039
Pennsylvania	13,719	15,475	17,252	18,924	20,197	197,661
Rhode Island	309	396	438	448	434	2,696
South Carolina	6,168	6,615	5,767	6,940	7,531	97,673
South Dakota	851	1,001	NA	NA	NA	3,966
Tennessee	9,625	10,177	10,302	10,404	10,937	116,408
Texas	127,619	129,114	134,280	137,228	147,638	1,748,531
Utah	1,934	2,022	2,187	2,240	2,400	26,888
Vermont	236	264	176	121	215	3,013
Virginia	7,152	4,138	6,258	6,306	6,166	NA
Washington	5,071	5,661	5,847	5,588	6,080	68,985
West Virginia	3,373	3,446	NA	3,990	4,143	R45,823
Wisconsin	9,905	11,684	13,030	15,374	16,611	139,326
Wyoming	3,896	4,206	R4,550	3,622	5,518	42,660
Total	535,806	553,279	588,768	622,225	R656,386	R7,202,718

See footnotes at end of table.

Table 17

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	12,661	12,587
Alaska	4,298	4,563	5,207	5,536	6,106	6,703
Arizona	1,712	NA	1,312	1,123	1,159	1,164
Arkansas	10,663	10,396	10,243	9,352	9,048	7,669
California	61,111	61,716	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	1,673	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	12,665	9,299
Kentucky	9,706	9,627	8,942	7,589	6,508	6,915
Louisiana	70,411	69,501	61,321	57,128	57,819	57,979
Maine	16	61	164	122	150	143
Maryland	2,509	NA	2,155	1,854	2,293	2,264
Massachusetts	6,923	6,729	6,770	5,857	7,201	3,764
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	11,196	10,306	10,008	8,797	9,413	9,637
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	7,776	7,060	6,391	6,011	7,132	NA
New Mexico	1,605	1,845	1,646	1,635	1,433	1,507
New York	^b 8,494	^b 8,237	^b 7,116	^b 6,389	^b 6,398	^b 6,235
North Carolina	8,889	8,801	8,610	7,745	7,827	7,086
North Dakota	999	914	1,030	908	919	1,001
Ohio	31,608	29,025	26,778	22,411	24,220	23,047
Oklahoma	11,379	11,040	9,893	9,091	9,981	9,796
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	215	188
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	4,230	4,116	4,295	3,125	3,640	3,358
Wisconsin	14,561	12,584	11,438	8,630	8,609	8,250
Wyoming	3,873	4,096	3,785	3,099	3,341	3,131
Total	^c632,205	^b604,728	^b591,345	^b549,937	^b583,733	^b589,036

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	9,000	9,630	9,778	9,795	11,293	11,037
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	1,132	1,181	1,554	1,838	1,805	2,266
District of Columbia	0	0	0	0	0	0
Florida	6,847	8,171	9,243	8,777	8,168	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	27,299
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	8,023	9,089	9,204	10,015
Louisiana	54,357	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	5,584	5,343	6,302	7,805	7,265	7,025
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	8,945	9,181	9,128	10,251	9,194	9,729
Missouri	4,489	5,657	5,702	6,617	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	8,668
New Mexico	1,543	1,543	1,750	1,777	1,694	1,861
New York	8,610	8,7112	8,196	8,863	8,008	9,070
North Carolina	7,290	8,057	7,848	9,019	8,855	8,954
North Dakota	1,403	1,130	1,071	1,119	1,117	1,417
Ohio	23,939	26,393	25,592	27,129	27,434	30,125
Oklahoma	7,761	8,806	9,326	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	194	234	290	436	318	372
Tennessee	8,785	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	3,549	3,813	3,768	4,086	3,489	4,353
Wisconsin	8,377	10,780	11,920	14,857	13,919	15,400
Wyoming	3,187	3,734	3,785	3,529	3,344	3,757
Total	8567,450	8584,148	8614,690	8625,316	8602,771	8657,359

^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.

Revised Data.

Not Available.

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

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

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

State	YTD 2003	YTD 2002	YTD 2001	2003		
				August	July	June
Alabama	67,369	82,461	40,907	17,406	12,592	7,511
Alaska	23,446	20,519	21,111	3,108	3,133	2,911
Arizona	94,415	90,503	93,401	21,021	20,481	11,981
Arkansas	22,525	30,753	16,999	3,824	3,558	1,742
California	429,898	484,424	693,216	76,282	81,897	43,102
Colorado	49,879	53,008	59,039	9,322	8,567	4,998
Connecticut	26,974	44,698	15,290	4,588	3,890	2,870
Delaware	8,116	13,681	8,112	2,041	2,160	856
District of Columbia	0	0	0	0	0	0
Florida	342,587	349,161	227,460	51,497	52,649	46,957
Georgia	29,413	42,291	27,935	8,657	6,283	^2,895
Hawaii	0	0	0	0	0	0
Idaho	1,745	2,170	3,038	332	612	169
Illinois	30,207	70,361	35,097	10,506	5,353	2,534
Indiana	18,944	25,930	13,881	4,879	3,030	2,194
Iowa	3,273	3,925	4,520	1,049	576	219
Kansas	12,598	17,269	18,696	4,054	3,052	1,196
Kentucky	3,027	11,643	3,260	958	464	160
Louisiana	154,877	236,756	175,906	28,714	27,217	20,293
Maine	42,428	60,136	48,551	6,674	6,861	5,255
Maryland	13,904	16,516	12,424	4,197	4,403	1,800
Massachusetts	108,475	82,806	56,337	19,232	21,092	15,276
Michigan	74,254	106,337	83,372	15,717	9,192	6,556
Minnesota	12,737	9,813	8,278	4,438	2,632	1,049
Mississippi	73,970	125,384	83,698	10,394	10,704	8,757
Missouri	18,878	25,154	24,175	5,568	5,293	1,267
Montana	187	100	149	63	26	37
Nebraska	4,112	3,665	3,347	1,386	1,436	424
Nevada	72,850	70,958	75,190	13,694	13,860	9,886
New Hampshire	1	579	21	0	0	0
New Jersey	81,596	111,736	85,773	16,861	15,790	8,331
New Mexico	27,086	26,609	37,067	5,356	4,814	3,535
New York	179,171	252,991	226,608	36,973	32,144	20,838
North Carolina	21,957	24,926	10,025	5,040	4,731	657
North Dakota	0	1	2	0	0	0
Ohio	12,765	17,675	8,970	6,755	1,492	813
Oklahoma	139,392	146,355	121,688	32,630	32,405	16,264
Oregon	43,127	33,790	52,170	9,077	9,294	3,209
Pennsylvania	29,347	36,741	11,713	9,027	6,441	3,270
Rhode Island	26,288	34,765	36,520	4,397	4,808	3,167
South Carolina	14,837	32,138	7,994	4,276	2,703	1,352
South Dakota	1,341	1,053	4,125	486	477	205
Tennessee	2,675	2,162	2,431	403	112	131
Texas	1,028,688	1,071,787	1,069,887	173,402	165,419	141,088
Utah	11,745	8,602	11,577	2,224	2,308	1,342
Vermont	15	23	104	3	2	2
Virginia	23,163	26,083	18,960	6,257	4,787	1,260
Washington	32,870	22,096	65,914	6,766	6,883	1,042
West Virginia	1,443	1,547	2,128	602	284	144
Wisconsin	15,844	14,870	16,093	3,660	2,421	1,225
Wyoming	2,023	2,152	1,942	292	326	55
Total	3,436,464	3,949,106	3,648,688	654,087	608,655	^410,827

See footnotes at end of table.

Table 18

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

State	2003					2002
	May	April	March	February	January	Total
Alabama	4,608	5,840	4,377	5,320	9,717	\$112,403
Alaska	2,615	2,712	2,888	2,715	3,365	\$31,704
Arizona	8,701	9,405	11,626	8,703	2,497	\$145,346
Arkansas	2,887	2,838	2,337	2,973	2,366	\$42,430
California	37,310	35,140	52,522	51,396	52,248	\$726,627
Colorado	6,022	4,519	5,772	5,472	5,206	\$78,171
Connecticut	3,254	3,505	4,261	2,098	2,509	\$65,060
Delaware	356	943	952	353	456	\$17,460
District of Columbia	0	0	0	0	0	0
Florida	50,704	39,940	42,010	28,404	30,425	\$521,868
Georgia	2,488	4,279	884	801	3,127	\$56,588
Hawaii	0	0	0	0	0	0
Idaho	137	103	121	121	150	\$2,720
Illinois	1,492	1,870	2,574	2,829	3,048	\$81,867
Indiana	2,759	935	1,959	1,729	1,459	\$35,104
Iowa	246	280	296	330	277	\$5,250
Kansas	922	780	1,037	730	827	\$21,389
Kentucky	302	189	153	174	627	\$13,712
Louisiana	18,727	15,679	13,374	13,630	17,244	\$323,804
Maine	4,141	4,923	4,329	3,613	6,632	\$90,769
Maryland	1,293	642	334	572	662	\$22,273
Massachusetts	12,129	10,988	10,899	9,733	9,128	\$128,852
Michigan	7,188	6,955	7,428	9,741	11,477	\$146,133
Minnesota	554	1,159	731	1,045	1,129	\$13,181
Mississippi	8,162	8,307	6,983	8,169	12,494	\$163,664
Missouri	1,285	2,399	817	661	1,589	\$29,911
Montana	11	2	21	20	7	\$116
Nebraska	194	261	125	161	125	\$4,947
Nevada	7,153	6,409	7,538	7,017	7,294	\$109,605
New Hampshire	0	0	0	0	0	1,096
New Jersey	8,598	8,284	7,062	8,118	8,552	\$160,363
New Mexico	3,293	2,349	2,838	2,704	2,197	\$37,324
New York	16,880	17,698	20,318	15,316	19,004	\$365,705
North Carolina	3,141	2,192	1,332	1,758	3,107	\$31,877
North Dakota	0	0	0	0	0	1
Ohio	639	1,089	1,077	348	552	\$22,722
Oklahoma	14,044	11,659	10,129	11,557	10,705	\$194,770
Oregon	1,623	2,085	4,356	5,636	7,847	\$55,854
Pennsylvania	2,207	2,470	2,712	1,624	1,597	\$50,251
Rhode Island	1,848	1,764	2,853	3,083	4,367	\$53,965
South Carolina	1,202	1,437	413	816	2,639	\$36,710
South Dakota	10	66	18	51	27	\$1,265
Tennessee	27	639	264	116	983	\$2,596
Texas	137,715	101,148	102,071	99,744	108,101	\$1,550,292
Utah	1,108	1,773	1,372	754	865	\$15,439
Vermont	3	2	1	1	1	37
Virginia	827	3,237	2,461	959	3,374	\$34,936
Washington	1,068	1,846	5,177	5,146	4,943	\$39,552
West Virginia	95	140	76	36	67	\$1,885
Wisconsin	1,053	1,793	1,900	2,106	1,686	\$20,541
Wyoming	82	238	254	418	358	\$3,764
Total	381,098	332,912	353,032	328,801	367,051	\$5,671,897

See footnotes at end of table.

Table 18

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	R5,608	R5,415	R7,064	R11,855	R15,892	R15,228
Alaska	R3,118	R2,605	R2,861	R2,601	R2,482	R2,786
Arizona	R12,131	R11,510	R14,354	R16,847	R17,996	R19,305
Arkansas	R1,288	R1,415	R3,676	5,298	R6,460	R8,423
California	R57,695	R52,006	R57,204	R75,298	R80,441	R88,478
Colorado	R6,190	R5,672	R7,059	R6,242	R7,515	R8,964
Connecticut	R4,227	R4,165	R4,687	R7,282	R8,302	R7,982
Delaware	R329	R269	R1,248	R1,932	R2,210	4,884
District of Columbia	0	0	0	0	0	0
Florida	R30,983	R35,484	R52,477	R53,763	R58,690	R55,847
Georgia	R1,354	R849	R4,206	R7,887	R11,906	R12,902
Hawaii	0	0	0	0	0	0
Idaho	R125	R98	R170	R156	R228	R467
Illinois	R1,418	R1,013	R2,177	R6,897	R15,556	R23,588
Indiana	R1,962	R2,010	R1,903	R3,299	R4,557	R6,744
Iowa	R229	R264	R281	R551	R637	R1,032
Kansas	R672	R781	R683	R1,984	R4,045	R5,491
Kentucky	251	R261	296	R1,262	R1,996	R4,626
Louisiana	R14,750	R16,204	R23,674	R32,420	R41,790	R40,542
Maine	R7,498	R7,749	R7,554	R7,831	R8,041	R7,614
Maryland	R932	R769	R1,098	R2,957	R6,572	R4,207
Massachusetts	R11,339	R9,628	R11,693	R13,386	R14,505	R13,254
Michigan	R9,403	R7,328	R10,028	R13,037	R18,463	R20,819
Minnesota	R629	R605	R830	R1,304	R1,526	R2,991
Mississippi	R7,909	R6,416	R8,932	R15,022	R19,402	R23,291
Missouri	R418	R576	R543	R3,221	R5,248	R6,710
Montana	R4	R1	R1	R10	R20	R29
Nebraska	R145	R175	R413	R548	R842	R1,251
Nevada	8,707	9,317	9,859	10,763	11,631	10,965
New Hampshire	103	0	194	219	311	79
New Jersey	R11,476	R11,207	R10,334	R15,609	R22,412	R22,580
New Mexico	R2,431	R2,430	R2,866	R2,989	R4,209	R5,431
New York	R21,361	R23,132	R30,298	R37,923	R48,900	R47,533
North Carolina	R1,315	R413	R1,979	R3,243	R6,995	R6,801
North Dakota	0	0	0	0	0	0
Ohio	R428	R410	R1,034	R3,175	R5,335	R6,411
Oklahoma	R7,817	R7,041	R12,173	R21,384	R29,818	R26,315
Oregon	R5,541	R5,330	R5,579	R5,614	R4,899	R2,066
Pennsylvania	R2,064	R2,284	R3,617	R5,545	R10,396	R8,680
Rhode Island	5,121	R5,812	3,985	R4,282	4,444	4,617
South Carolina	R279	R396	R1,101	R2,795	R6,603	R7,032
South Dakota	25	12	27	148	55	480
Tennessee	R281	R77	R1	R74	R651	739
Texas	R101,970	R103,613	R124,397	R148,525	R190,565	R182,218
Utah	R1,239	R1,065	R2,334	R2,199	R2,022	R1,570
Vermont	3	4	4	3	3	4
Virginia	R1,963	R659	R1,913	R4,318	R6,819	R6,757
Washington	R5,690	R3,821	R4,011	R3,934	R3,219	R1,848
West Virginia	45	73	81	139	R448	219
Wisconsin	R1,336	R1,028	R956	R2,350	R2,149	R3,770
Wyoming	320	217	498	576	R387	317
Total	R360,123	R351,612	R442,357	R568,699	R717,592	R733,887

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	R12,396	R7,316	R7,217	R7,301	R8,006	R9,105
Alaska	R2,518	R2,398	R2,562	R2,663	R2,342	R2,769
Arizona	R12,579	R9,245	R7,964	R9,125	R7,902	R6,386
Arkansas	R5,309	R2,524	R2,681	R1,919	R1,857	1,580
California	R64,112	R44,768	R44,074	R62,953	R46,030	R53,569
Colorado	R7,198	R5,962	R6,739	R7,141	R4,419	R5,071
Connecticut	R5,560	R5,828	R3,922	R4,703	R3,978	R4,423
Delaware	R1,357	R1,018	R1,067	R1,226	R1,123	R797
District of Columbia	0	0	0	0	0	0
Florida	R51,289	R44,436	R41,741	R35,261	R27,217	R34,679
Georgia	R7,736	R3,377	R3,430	R863	R887	R1,191
Hawaii	0	0	0	0	0	0
Idaho	R290	R229	R174	R490	R144	R149
Illinois	R9,924	R3,969	R7,075	R4,995	R3,005	R2,251
Indiana	R3,544	R1,326	R3,043	R2,173	R2,683	R1,860
Iowa	R587	R325	R323	R364	R291	R366
Kansas	R2,829	R755	R957	R1,531	R776	R883
Kentucky	R2,192	R560	R629	R811	R537	R293
Louisiana	R34,039	R28,456	R27,662	R24,864	R19,396	R20,006
Maine	R6,350	R7,668	R6,539	R7,776	R7,612	R8,535
Maryland	R1,972	R843	R1,253	R607	R490	R573
Massachusetts	R10,846	R10,459	R6,925	R9,702	R6,633	R10,482
Michigan	R12,844	R9,599	R10,941	R12,090	R10,280	R11,301
Minnesota	R1,310	R648	R652	R1,155	R815	R715
Mississippi	R17,814	R13,207	R13,836	R13,002	R12,553	R12,280
Missouri	R3,437	R1,530	R2,584	R2,117	R1,622	R1,904
Montana	R35	R12	R1	R1	R1	R2
Nebraska	R618	R283	R269	R93	R89	R220
Nevada	9,532	7,672	5,974	8,650	R7,845	8,690
New Hampshire	108	39	11	1	12	18
New Jersey	R16,110	R9,236	R11,159	R10,547	R9,313	R10,379
New Mexico	R4,335	R2,494	R3,043	R2,855	R2,405	R1,836
New York	R33,762	R23,869	R24,408	R24,629	R23,831	R26,059
North Carolina	R3,958	R1,565	R1,792	R1,481	R1,598	R736
North Dakota	0	0	0	0	0	0
Ohio	R2,444	R655	R1,261	R645	R740	R184
Oklahoma	R19,641	R14,183	R16,702	R14,144	R14,532	R11,020
Oregon	R3,093	R2,073	R2,355	R6,225	R5,748	R7,332
Pennsylvania	R5,822	R2,051	R1,733	R3,212	R3,362	R1,487
Rhode Island	4,095	3,920	3,575	3,904	4,458	5,753
South Carolina	R4,924	R4,535	R2,915	R1,160	R2,014	R2,954
South Dakota	182	58	62	61	145	R9
Tennessee	277	58	233	172	34	0
Texas	R156,428	R125,291	R116,473	R104,754	R90,578	R105,480
Utah	R758	R1,024	R958	R899	R667	R703
Vermont	3	3	2	2	3	4
Virginia	R3,473	R1,949	R2,957	R1,105	R942	R2,080
Washington	R981	R1,168	R2,048	R5,065	R3,853	R3,915
West Virginia	229	99	R253	164	R58	76
Wisconsin	R1,873	R1,211	R1,979	R1,574	R1,203	R1,111
Wyoming	230	217	231	340	214	217
Total	R550,941	R410,108	R404,384	R406,516	R344,243	R381,434

^R Revised Data.

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

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

State	YTD 2003	YTD 2002	YTD 2001	2003		
				August	July	June
Alabama	221,797	239,811	204,341	31,632	27,029	^R 21,231
Alaska	91,135	87,571	85,905	11,339	11,043	11,038
Arizona	152,417	150,872	157,835	25,314	24,742	16,640
Arkansas	NA	159,770	142,479	NA	12,885	12,749
California	NA	1,473,991	1,640,564	173,928	178,778	143,185
Colorado	NA	268,012	239,494	22,891	22,819	18,829
Connecticut	104,951	118,432	92,803	9,277	8,573	7,995
Delaware	32,403	38,126	32,717	3,569	3,578	2,477
District of Columbia	22,545	19,651	22,350	1,285	1,131	1,151
Florida	NA	460,015	335,791	NA	62,937	57,104
Georgia	241,470	251,011	237,235	25,699	23,404	^R 18,897
Hawaii	1,841	1,832	1,930	219	225	219
Idaho	39,283	46,270	46,924	2,588	3,037	3,294
Illinois	669,809	698,941	641,428	42,578	38,200	38,315
Indiana	349,500	347,140	342,871	27,069	24,709	25,433
Iowa	NA	139,957	150,076	10,178	9,688	9,966
Kansas	NA	161,285	164,697	NA	15,522	11,387
Kentucky	137,434	136,192	129,430	10,199	9,371	9,202
Louisiana	NA	758,870	705,042	NA	86,017	72,599
Maine	48,276	65,232	58,098	7,100	7,317	5,705
Maryland	NA	121,536	127,586	10,551	NA	8,792
Massachusetts	NA	261,114	242,308	NA	31,786	28,754
Michigan	636,366	632,322	611,494	42,897	35,968	37,749
Minnesota	232,453	220,579	220,274	15,978	15,229	12,739
Mississippi	179,371	234,744	188,195	19,055	19,619	19,211
Missouri	192,320	194,436	207,919	14,772	13,003	^R 10,768
Montana	35,202	38,746	37,118	2,005	2,040	2,696
Nebraska	79,526	80,382	85,788	7,541	7,646	4,423
Nevada	117,357	116,474	120,217	16,569	16,971	13,217
New Hampshire	NA	17,108	16,178	1,078	1,032	1,151
New Jersey	427,006	400,420	398,406	34,184	34,512	27,878
New Mexico	80,927	81,872	106,984	8,373	8,210	7,344
New York	NA	805,680	791,751	NA	67,905	58,590
North Carolina	159,846	154,701	135,559	14,705	13,709	9,762
North Dakota	22,692	NA	26,306	1,092	1,278	1,612
Ohio	572,280	551,241	556,986	37,542	^R 32,688	33,349
Oklahoma	295,497	302,760	306,560	44,827	44,303	^R 27,529
Oregon	131,090	130,897	146,232	16,304	16,586	11,167
Pennsylvania	459,274	419,577	418,008	33,285	30,310	29,118
Rhode Island	NA	59,051	63,995	NA	NA	4,902
South Carolina	102,522	131,757	93,839	11,899	10,002	8,352
South Dakota	NA	18,385	22,291	1,738	1,790	1,684
Tennessee	177,212	166,937	172,105	11,810	11,520	13,573
Texas	2,435,041	2,589,764	2,781,403	353,737	352,490	^R 278,673
Utah	81,468	85,709	88,738	6,496	6,470	5,801
Vermont	5,841	5,665	5,620	309	290	364
Virginia	171,436	164,293	153,528	14,557	14,098	12,047
Washington	NA	158,237	196,937	NA	NA	^R 11,158
West Virginia	NA	69,255	68,421	NA	NA	NA
Wisconsin	262,137	246,989	246,255	17,257	15,639	15,600
Wyoming	NA	46,079	40,209	4,366	4,558	4,709
Total	13,760,468	14,163,762	14,122,486	1,456,669	^R1,416,925	^R1,196,276

See footnotes at end of table.

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

State	2003					2002
	May	April	March	February	January	Total
Alabama	®20,171	®23,201	25,991	33,335	39,207	®342,953
Alaska	11,083	12,038	12,068	10,442	12,083	®130,694
Arizona	14,486	16,548	21,362	18,325	15,000	®230,562
Arkansas	15,240	18,187	22,713	27,066	26,869	®232,730
California	147,365	155,175	184,797	NA	183,615	®2,202,099
Colorado	25,125	25,432	38,043	46,789	NA	®412,109
Connecticut	9,924	13,700	17,189	18,502	19,791	®175,992
Delaware	2,132	3,532	4,884	5,644	6,587	®59,621
District of Columbia	1,600	2,552	3,730	5,133	5,963	32,230
Florida	61,851	51,363	54,188	NA	NA	®684,962
Georgia	20,889	27,076	28,686	40,802	56,016	®382,524
Hawaii	227	229	235	237	251	2,734
Idaho	4,393	5,279	6,477	6,728	7,486	®66,561
Illinois	47,054	74,494	114,379	147,045	167,744	®1,044,198
Indiana	31,448	36,300	52,600	70,441	81,500	®528,611
Iowa	12,245	16,663	25,194	NA	31,082	®213,385
Kansas	13,344	17,122	27,435	NA	33,725	®239,268
Kentucky	10,661	13,892	20,468	28,919	34,722	®211,246
Louisiana	82,082	80,441	77,239	82,047	91,894	®1,127,789
Maine	4,607	5,671	5,326	®4,759	®7,792	®98,835
Maryland	10,674	15,619	21,180	28,477	31,809	®194,806
Massachusetts	30,154	37,472	46,075	50,201	47,541	®394,522
Michigan	53,987	78,701	112,589	134,037	140,437	®920,713
Minnesota	18,036	26,419	39,155	50,978	53,920	®344,223
Mississippi	18,522	20,164	22,270	27,116	33,413	®326,825
Missouri	13,471	21,268	33,848	42,682	42,508	®277,352
Montana	3,511	4,678	6,695	6,966	6,612	®57,557
Nebraska	6,106	9,598	13,291	15,416	15,506	®115,993
Nevada	11,838	12,372	14,974	14,820	16,595	®175,680
New Hampshire	1,753	2,472	3,335	NA	3,654	25,383
New Jersey	38,292	51,816	69,161	84,064	87,100	®603,622
New Mexico	8,311	9,612	12,308	12,898	13,872	®115,391
New York	70,141	97,910	135,907	155,550	146,036	®1,194,975
North Carolina	15,078	18,041	22,499	31,608	34,444	®229,973
North Dakota	2,036	2,494	4,145	4,580	5,456	NA
Ohio	45,127	65,208	98,619	122,265	137,482	®828,099
Oklahoma	®27,452	®30,231	®37,236	®41,070	®42,848	®421,996
Oregon	12,170	13,724	18,128	19,508	23,505	®195,289
Pennsylvania	36,036	53,724	79,155	95,714	101,931	®633,898
Rhode Island	4,332	5,488	8,281	9,210	9,842	®89,063
South Carolina	9,960	12,063	12,731	17,478	20,038	®183,468
South Dakota	1,900	2,898	NA	NA	NA	®28,344
Tennessee	14,991	19,050	28,342	36,960	40,965	®242,850
Texas	®285,258	®254,366	®283,931	®300,296	®326,292	®3,709,686
Utah	7,111	10,773	12,948	15,982	15,888	®135,116
Vermont	584	901	1,057	1,188	1,148	8,281
Virginia	14,259	18,214	25,820	32,389	40,052	®251,538
Washington	14,881	19,238	26,029	25,923	27,897	®234,156
West Virginia	5,747	7,375	11,387	13,953	14,915	®103,330
Wisconsin	®20,496	31,946	44,057	55,316	61,826	®381,128
Wyoming	5,011	6,458	®7,390	7,100	NA	®70,853
Total	®1,344,459	®1,560,452	®2,001,191	®2,314,636	®2,469,860	®20,964,736

See footnotes at end of table.

Table 19

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	R30,678	R22,737	R22,825	R26,901	R30,715	R29,983
Alaska	R11,867	R10,469	R10,994	R9,792	R9,869	R10,513
Arizona	R21,666	R18,042	R18,988	R20,994	R22,093	R23,552
Arkansas	R21,538	R17,719	R16,902	16,801	R17,678	R18,679
California	R206,863	R168,868	R175,561	R176,815	R188,150	R193,763
Colorado	R47,092	R39,176	R35,370	R22,458	R21,741	R27,286
Connecticut	R19,355	R14,588	R11,467	R12,150	R13,273	R13,196
Delaware	R6,759	R4,912	R4,794	R5,030	R4,316	6,906
District of Columbia	5,376	3,847	2,166	1,190	1,152	1,137
Florida	R45,746	R48,310	R65,063	R65,829	R70,908	R67,918
Georgia	R47,991	R33,697	R24,539	R25,286	R30,273	R30,546
Hawaii	236	227	215	224	222	239
Idaho	R6,976	R5,920	R4,120	R3,274	R3,934	R2,977
Illinois	R131,598	R100,729	R69,723	R43,208	R50,796	R70,482
Indiana	R67,397	R49,103	R36,814	R28,157	R29,661	R30,727
Iowa	R26,914	R21,886	R14,336	R10,292	R9,796	R9,621
Kansas	R26,658	R22,236	R13,243	R15,846	R19,525	R17,677
Kentucky	28,719	R20,875	14,464	R10,997	R10,730	R13,669
Louisiana	R95,943	R91,047	R88,771	R93,158	R102,706	R101,744
Maine	R8,617	R8,406	R8,141	R8,438	R8,545	R8,092
Maryland	R29,843	R20,398	R12,944	R10,085	R12,892	R10,546
Massachusetts	R45,715	R33,088	R28,744	R25,861	R27,907	R23,791
Michigan	R113,368	R81,461	R53,176	R40,387	R47,043	R51,854
Minnesota	R44,656	R36,988	R27,041	R14,959	R16,356	R16,055
Mississippi	R25,765	R19,805	R20,912	R25,600	R30,293	R34,724
Missouri	R33,255	R23,282	R14,411	R11,968	R13,761	R15,523
Montana	R6,080	R5,845	R4,231	R2,655	R2,251	R2,219
Nebraska	R13,071	R9,602	R6,151	R6,787	R7,416	R8,766
Nevada	R16,546	R14,855	13,809	13,996	14,624	14,039
New Hampshire	3,073	2,298	1,418	1,487	1,152	1,094
New Jersey	R78,704	R53,676	R35,704	R35,118	R40,151	R39,477
New Mexico	R11,891	R8,627	R6,769	R6,232	R7,406	R8,716
New York	R130,627	R106,231	R77,322	R75,115	R87,902	R86,949
North Carolina	R27,345	R19,189	R15,079	R13,658	R17,151	R16,417
North Dakota	4,302	3,512	3,093	1,553	1,559	1,479
Ohio	R110,028	R77,469	R53,316	R36,045	R39,927	R41,739
Oklahoma	R33,832	R26,509	R25,441	R33,454	R43,018	R39,239
Oregon	R20,193	R16,955	R14,110	R13,134	R12,359	R9,491
Pennsylvania	R84,460	R58,855	R40,639	R30,367	R34,769	R32,732
Rhode Island	9,850	R9,011	5,646	R5,504	5,600	5,848
South Carolina	R16,498	R12,490	R11,019	R11,704	R15,872	R16,347
South Dakota	3,598	3,230	2,114	1,017	775	1,169
Tennessee	R31,262	R20,106	R13,394	R11,149	R12,620	12,436
Texas	R286,420	R261,664	R272,818	R299,020	R355,195	R355,745
Utah	R16,440	R13,805	R11,578	R7,585	R6,473	R5,907
Vermont	999	797	478	341	329	324
Virginia	R32,128	R21,035	R18,940	R15,141	R18,526	R18,361
Washington	R26,493	R21,099	R15,431	R12,896	R11,778	R10,668
West Virginia	12,763	9,833	6,788	4,692	R5,498	5,033
Wisconsin	R49,632	R39,139	R28,488	R16,880	R16,390	R16,887
Wyoming	7,532	6,844	5,936	4,462	R4,131	R4,427
Total	R2,185,626	R1,741,721	R1,486,702	R1,386,925	R1,558,478	R1,587,985

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	R28,022	R23,742	R26,043	R32,058	R33,149	R36,100
Alaska	R11,323	R10,105	R10,461	R11,275	R11,426	R12,599
Arizona	R17,272	R14,519	R14,614	R18,889	R19,980	R19,953
Arkansas	R16,933	R15,599	R19,133	R22,283	R24,967	24,498
California	R162,603	R155,127	R162,137	R205,182	R184,520	R222,509
Colorado	R22,913	R24,870	R30,978	R46,403	R44,997	R48,825
Connecticut	R11,126	R12,876	R12,714	R18,255	R17,618	R19,374
Delaware	R3,052	R3,111	R4,227	R5,292	R5,315	R5,907
District of Columbia	1,143	1,528	2,045	3,678	4,192	4,776
Florida	R62,922	R57,528	R56,714	R51,167	R42,060	R50,798
Georgia	R25,220	R23,173	R24,066	R33,642	R39,723	R44,367
Hawaii	224	226	234	225	226	236
Idaho	R3,613	R4,635	R5,733	R7,938	R8,633	R8,807
Illinois	R49,188	R61,096	R93,362	R122,147	R119,253	R132,618
Indiana	R27,523	R32,288	R44,643	R58,147	R58,623	R65,528
Iowa	R9,963	R13,240	R18,519	R25,399	R24,843	R28,576
Kansas	R13,723	R13,331	R17,384	R25,587	R25,111	R28,947
Kentucky	R11,497	R12,196	R14,736	R23,091	R24,362	R25,911
Louisiana	R91,873	R86,872	R89,894	R97,305	R90,770	R97,706
Maine	R6,926	R8,298	R6,806	R8,696	R8,451	R9,417
Maryland	R8,875	R8,870	R12,569	R20,711	R22,828	R24,245
Massachusetts	R25,737	R28,282	R30,625	R40,662	R40,650	R43,461
Michigan	R52,316	R63,509	R86,658	R103,619	R108,203	R119,118
Minnesota	R14,942	R21,574	R28,751	R44,785	R36,064	R42,052
Mississippi	R28,478	R24,250	R26,803	R29,965	R29,669	R30,562
Missouri	R13,293	R16,414	R24,630	R34,467	R36,027	R40,320
Montana	R2,911	R4,022	R5,758	R7,165	R6,772	R7,647
Nebraska	R4,918	R6,615	R10,311	R12,700	R13,814	R15,842
Nevada	13,071	11,819	11,155	R15,995	R17,089	18,682
New Hampshire	1,726	1,936	2,231	3,047	2,968	2,953
New Jersey	R35,159	R36,624	R47,722	R60,814	R66,436	R74,038
New Mexico	R8,044	R6,930	R9,835	R12,994	R14,215	R13,731
New York	R74,978	R76,410	R96,696	R123,258	R127,638	R131,849
North Carolina	R14,583	R13,296	R16,606	R23,147	R25,611	R27,890
North Dakota	1,937	R2,427	3,079	NA	3,946	5,001
Ohio	R42,140	R53,308	R71,255	R95,750	R99,752	R107,369
Oklahoma	R31,241	R28,202	R36,617	R40,147	R42,306	R41,990
Oregon	R11,519	R12,781	R14,664	R21,355	R22,279	R26,448
Pennsylvania	R33,454	R38,440	R53,838	R71,393	R73,926	R81,025
Rhode Island	5,796	6,418	6,974	8,100	9,205	11,111
South Carolina	R15,030	R14,947	R14,557	R16,528	R17,889	R20,587
South Dakota	1,012	1,604	2,551	3,853	3,497	R3,924
Tennessee	13,083	13,905	19,739	27,347	31,383	36,423
Texas	R337,019	R300,652	R320,898	R299,962	R291,638	R328,655
Utah	R5,254	R7,104	R8,445	R15,162	R17,650	R19,713
Vermont	422	569	804	954	1,143	1,120
Virginia	R15,175	R14,675	R17,211	R22,871	R26,340	R31,135
Washington	R12,084	R15,888	R21,120	R27,794	R28,090	R30,815
West Virginia	5,373	7,032	R8,735	11,760	R12,316	R13,508
Wisconsin	R16,304	R24,357	R31,849	R48,259	R43,490	R49,451
Wyoming	4,289	5,395	6,284	7,090	6,285	8,177
Total	R1,428,453	R1,443,883	R1,704,641	R2,074,274	R2,068,483	R2,297,565

^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**Table 20. Average City Gate Price, by State, 2001-2003**
(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003				
				August	July	June	May	April
Alabama	6.03	4.73	7.15	6.91	8.50	8.39	6.76	6.04
Alaska	2.31	NA	2.33	2.57	2.12	2.14	2.37	2.36
Arizona	4.74	3.67	5.72	4.84	5.06	5.17	4.78	4.22
Arkansas	NA	5.12	6.83	7.27	6.46	6.99	6.94	NA
California	NA	2.96	8.08	5.19	4.85	6.63	5.05	4.75
Colorado	4.07	2.70	5.00	2.79	3.12	2.18	5.76	4.21
Connecticut	6.15	6.25	9.52	4.85	4.77	5.53	5.58	5.26
Delaware	5.57	5.11	5.91	5.04	5.40	5.92	5.31	5.67
District of Columbia	—	—	—	—	—	—	—	—
Florida	NA	3.65	6.35	NA	5.73	6.48	5.80	5.86
Georgia	6.41	4.05	7.00	5.27	5.97	6.48	6.45	6.07
Hawaii	8.69	6.81	8.05	8.37	7.97	8.96	9.53	9.84
Idaho	3.96	NA	5.64	4.81	5.62	6.82	4.78	4.12
Illinois	NA	3.47	6.73	5.02	5.20	6.11	5.68	5.12
Indiana	NA	3.36	5.20	6.38	7.57	7.15	5.74	5.96
Iowa	6.39	3.75	7.28	6.38	7.23	7.00	6.37	6.96
Kansas	NA	3.90	7.13	NA	6.32	6.75	5.95	6.30
Kentucky	5.89	4.35	7.22	6.15	6.13	6.78	6.07	6.78
Louisiana	NA	3.61	6.36	5.11	5.69	6.25	5.68	4.49
Maine	5.59	3.90	7.18	9.39	4.75	5.01	6.08	4.39
Maryland	6.99	4.55	7.64	5.99	7.45	8.48	6.98	6.83
Massachusetts	NA	4.76	7.43	NA	7.87	9.31	6.67	7.05
Michigan	5.32	4.13	4.26	5.26	5.48	5.80	5.21	4.95
Minnesota	6.04	NA	6.75	5.65	5.98	5.55	5.06	5.56
Mississippi	NA	3.93	6.91	5.51	6.40	6.81	5.77	5.81
Missouri	6.08	4.33	7.31	8.27	7.61	8.45	7.12	6.18
Montana	5.12	2.62	4.70	4.83	5.27	5.35	4.94	4.68
Nebraska	5.76	3.86	7.18	5.61	5.89	5.82	6.42	6.16
Nevada	5.42	4.30	5.50	5.52	5.90	6.48	6.48	6.72
New Hampshire	NA	4.04	4.95	NA	4.57	4.83	5.95	NA
New Jersey	7.15	4.92	7.24	7.16	7.88	7.87	7.10	7.01
New Mexico	4.86	2.50	4.82	4.12	4.53	4.70	4.04	4.23
New York	NA	3.61	5.61	4.81	5.06	5.74	5.71	5.46
North Carolina	6.97	4.18	7.82	7.05	7.51	8.07	7.34	7.17
North Dakota	5.77	3.34	5.56	7.27	7.79	7.05	5.47	5.00
Ohio	NA	4.43	9.37	5.14	NA	7.99	4.55	9.74
Oklahoma	5.66	3.94	7.25	5.53	5.33	5.90	6.04	5.45
Oregon	NA	5.35	4.95	6.00	NA	6.18	5.19	4.97
Pennsylvania	6.55	NA	7.29	7.24	8.02	8.78	7.01	6.89
Rhode Island	NA	4.56	6.91	NA	NA	11.59	8.31	6.44
South Carolina	6.89	4.86	6.83	6.67	7.38	7.94	7.06	6.66
South Dakota	6.36	4.13	7.79	6.29	8.00	7.32	6.62	7.07
Tennessee	6.03	3.96	6.94	5.45	5.68	6.32	5.59	5.63
Texas	NA	3.58	5.90	5.02	5.30	6.02	4.87	5.03
Utah	4.63	4.10	5.96	5.82	5.94	4.39	3.62	3.76
Vermont	5.17	5.04	4.93	4.40	4.72	4.98	5.30	5.17
Virginia	6.56	NA	7.30	7.94	7.04	7.77	7.85	6.92
Washington	NA	3.70	6.25	NA	NA	6.22	5.35	4.82
West Virginia	NA	4.26	4.73	NA	NA	5.53	NA	5.92
Wisconsin	6.39	4.03	6.96	7.12	7.98	8.27	6.74	6.11
Wyoming	2.19	NA	7.35	1.49	1.48	1.53	2.01	1.90
Total	5.96	3.94	6.61	5.42	5.81	6.40	5.66	5.61

See footnotes at end of table.

Table 20

Table 20. Average City Gate Price, by State, 2001-2003
(Dollars per Thousand Cubic Feet) — Continued

State	2003			2002				
	March	February	January	Total	December	November	October	September
Alabama	7.55	5.19	4.66	4.74	4.57	4.97	5.05	4.69
Alaska	2.30	2.22	2.35	NA	2.44	2.46	2.27	2.39
Arizona	5.21	4.74	4.32	3.79	4.12	3.92	3.77	4.32
Arkansas	NA	NA	NA	5.17	5.41	5.21	5.07	4.89
California	6.68	4.89	NA	NA	NA	4.04	3.35	2.86
Colorado	4.90	4.49	3.62	2.72	3.28	3.01	2.08	1.70
Connecticut	7.49	5.89	7.33	NA	6.55	6.48	6.32	NA
Delaware	6.37	5.37	5.11	NA	4.38	NA	8.54	5.32
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.20	5.83	5.49	3.90	4.83	4.74	4.27	3.66
Georgia	8.66	6.46	5.88	4.58	5.36	5.67	5.53	5.27
Hawaii	8.72	8.30	7.89	7.17	7.90	8.20	7.78	7.76
Idaho	4.28	3.20	3.29	NA	3.10	3.11	3.43	NA
Illinois	8.69	6.55	NA	3.68	3.10	4.51	4.49	4.68
Indiana	8.14	6.21	NA	3.58	4.10	4.31	3.66	2.96
Iowa	8.15	5.83	5.30	4.15	5.11	4.79	4.41	4.17
Kansas	8.61	5.67	5.33	4.11	5.26	5.07	3.89	3.47
Kentucky	7.30	5.71	4.98	4.45	4.72	4.71	4.35	3.91
Louisiana	NA	NA	5.51	NA	5.12	NA	4.46	4.37
Maine	6.97	5.70	4.90	4.03	4.56	4.61	3.87	3.15
Maryland	8.93	6.90	5.92	4.91	5.47	5.24	5.44	5.69
Massachusetts	10.15	7.17	7.16	NA	NA	4.61	5.15	6.26
Michigan	6.58	4.86	4.38	4.10	4.18	4.11	3.87	3.96
Minnesota	8.48	5.89	5.09	NA	5.08	4.91	4.08	3.96
Mississippi	NA	NA	5.24	4.14	4.49	4.93	4.31	3.92
Missouri	8.39	5.22	4.75	4.56	4.78	4.92	4.89	5.79
Montana	6.17	5.18	4.61	2.98	4.82	3.70	2.86	2.53
Nebraska	7.38	5.19	4.78	4.09	4.88	4.59	4.03	3.98
Nevada	6.65	4.09	4.04	4.39	4.68	4.45	4.33	4.87
New Hampshire	8.42	NA	NA	4.11	5.27	3.59	3.97	3.59
New Jersey	9.29	6.61	6.08	5.31	5.87	5.96	5.98	5.75
New Mexico	5.70	5.34	4.62	2.91	4.04	3.58	2.96	2.20
New York	7.25	NA	5.41	3.87	5.21	4.63	4.13	2.91
North Carolina	9.58	6.24	5.67	4.52	5.20	5.15	4.86	4.75
North Dakota	7.00	5.21	4.89	3.70	5.38	4.42	3.19	3.56
Ohio	7.32	7.05	6.01	4.73	5.00	4.84	7.24	4.34
Oklahoma	7.81	5.30	4.84	4.23	4.56	4.79	4.29	4.01
Oregon	4.25	4.37	4.64	5.25	4.69	4.76	5.43	6.58
Pennsylvania	7.72	6.13	5.44	NA	5.20	5.12	5.46	NA
Rhode Island	8.98	5.98	4.35	4.79	4.47	5.09	6.02	7.01
South Carolina	9.45	6.28	5.72	4.91	4.89	4.96	5.21	5.19
South Dakota	8.50	5.38	5.03	4.21	5.13	4.23	3.32	3.71
Tennessee	7.68	6.14	5.45	4.13	4.80	4.46	4.01	3.69
Texas	7.54	NA	5.52	NA	4.29	NA	4.35	3.54
Utah	4.32	5.12	4.97	4.07	4.56	3.81	3.53	3.93
Vermont	4.73	5.52	5.43	4.85	4.54	4.30	4.43	5.14
Virginia	6.69	6.56	5.65	NA	5.52	4.73	5.41	5.98
Washington	6.44	4.48	4.48	3.83	4.24	4.45	3.51	3.81
West Virginia	NA	NA	NA	4.30	3.89	4.64	4.45	5.84
Wisconsin	8.36	5.73	5.03	4.36	4.90	5.01	4.58	5.59
Wyoming	2.98	2.59	2.47	NA	NA	NA	NA	3.99
Total	7.58	5.87	5.31	4.14	4.69	4.62	4.29	3.96

See footnotes at end of table.

Table 20

Table 20. Average City Gate Price, by State, 2001-2003
(Dollars per Thousand Cubic Feet) — Continued

State	2002							
	August	July	June	May	April	March	February	January
Alabama	4.81	5.18	5.22	4.89	4.37	4.49	4.80	4.71
Alaska	NA	2.38	2.31	2.34	2.39	2.41	2.41	2.44
Arizona	4.26	4.16	3.78	3.80	3.70	3.74	3.35	3.41
Arkansas	5.10	5.58	4.75	4.97	5.08	5.16	5.20	5.02
California	2.82	3.10	2.98	3.18	3.85	2.76	2.42	2.68
Colorado	1.59	1.95	3.65	2.38	2.87	3.15	2.58	2.95
Connecticut	6.54	7.17	6.97	6.74	7.38	5.71	5.56	^R 5.90
Delaware	4.32	5.38	6.30	5.40	5.80	6.70	4.07	4.47
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.47	4.29	3.78	3.95	4.01	3.51	3.27	3.35
Georgia	4.85	5.19	5.27	6.39	3.70	3.18	4.21	^R 2.70
Hawaii	7.53	7.66	7.62	6.66	6.44	6.03	6.10	6.49
Idaho	NA	6.28	4.71	3.43	3.36	3.56	3.53	3.77
Illinois	3.30	3.76	3.96	3.53	3.93	3.13	3.16	3.52
Indiana	2.29	2.60	3.80	3.61	3.89	3.37	3.33	3.37
Iowa	5.08	5.01	4.86	4.21	4.03	3.51	3.39	3.46
Kansas	3.21	3.63	4.39	4.26	4.77	3.98	3.80	3.65
Kentucky	4.17	3.77	3.97	4.65	5.47	4.06	4.69	4.08
Louisiana	3.59	3.82	4.10	4.07	3.80	3.23	3.22	3.91
Maine	3.73	3.49	3.76	3.42	3.37	3.99	4.79	4.02
Maryland	5.04	5.69	5.46	5.34	5.30	4.18	4.44	4.06
Massachusetts	7.38	7.41	7.35	5.56	4.23	4.29	4.24	3.80
Michigan	3.68	3.84	3.93	3.94	3.51	4.76	4.45	4.54
Minnesota	NA	3.98	4.13	3.83	3.54	3.64	3.65	3.42
Mississippi	3.69	3.78	4.18	3.88	4.42	3.62	3.76	4.14
Missouri	5.60	6.43	6.44	5.46	4.94	4.03	3.97	3.65
Montana	2.00	1.75	2.16	2.76	3.05	2.72	2.64	3.09
Nebraska	4.08	4.02	4.17	4.36	4.31	3.63	3.58	3.77
Nevada	5.18	4.61	3.99	3.81	4.35	4.48	4.27	4.20
New Hampshire	3.37	3.50	3.22	3.43	4.37	3.88	3.14	7.84
New Jersey	5.11	5.65	5.90	5.74	4.48	4.97	4.84	4.31
New Mexico	2.57	2.55	2.17	2.42	2.90	2.44	2.23	2.71
New York	3.10	3.21	3.47	3.59	3.57	3.98	3.47	4.19
North Carolina	4.48	4.54	4.92	4.39	4.51	3.81	3.72	4.06
North Dakota	2.95	2.42	3.27	3.63	3.54	3.23	3.26	3.54
Ohio	2.48	4.30	5.29	7.73	6.27	5.17	4.28	3.63
Oklahoma	3.34	3.51	3.48	3.93	4.14	3.79	4.07	3.92
Oregon	6.35	6.86	6.63	5.69	5.46	5.17	5.10	4.75
Pennsylvania	4.56	5.88	5.73	5.62	NA	4.91	5.20	4.44
Rhode Island	5.03	5.99	5.82	5.40	5.08	4.18	4.07	4.08
South Carolina	5.03	5.11	5.35	5.35	5.23	4.39	4.30	4.96
South Dakota	4.25	3.97	4.89	4.10	4.98	3.69	4.04	4.10
Tennessee	3.66	3.82	3.83	4.13	3.50	3.78	3.99	4.35
Texas	3.63	3.44	3.69	4.19	4.13	3.29	3.25	3.61
Utah	2.55	3.48	4.00	3.54	3.60	4.18	4.54	4.34
Vermont	5.53	5.13	5.31	4.65	4.81	4.82	5.01	5.32
Virginia	5.00	5.87	6.28	5.62	4.47	3.33	3.99	NA
Washington	3.80	4.34	4.73	4.07	4.28	3.86	4.09	2.24
West Virginia	6.64	6.61	6.66	4.67	4.44	3.85	3.82	3.90
Wisconsin	5.76	5.89	5.65	4.19	4.32	3.47	3.74	3.71
Wyoming	3.16	NA	2.59	2.62	4.07	3.95	3.98	3.97
Total	3.63	3.92	4.14	4.07	4.17	3.85	3.77	^R4.04

^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

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				
				August	July	June	May	April
Alabama	11.13	10.48	11.93	16.78	12.81	16.56	15.49	14.03
Alaska	NA	4.22	4.28	5.23	NA	NA	4.62	4.31
Arizona	11.04	12.40	9.85	16.16	15.55	14.26	12.34	11.12
Arkansas	9.89	9.05	10.64	16.25	15.97	15.82	14.37	11.83
California	9.22	6.84	12.24	9.62	9.84	9.53	9.05	9.26
Colorado	5.98	5.71	8.92	10.23	10.53	9.33	8.24	7.39
Connecticut	NA	10.96	12.70	NA	15.83	14.75	15.39	14.15
Delaware	10.28	11.26	8.82	14.89	13.92	13.47	12.31	10.84
District of Columbia	13.08	11.02	12.97	16.08	17.65	15.56	14.95	13.60
Florida	16.52	13.46	15.95	21.16	21.08	20.59	19.48	18.24
Georgia	12.11	10.23	11.26	18.09	16.80	17.61	14.09	14.14
Hawaii	24.96	23.91	22.32	22.10	25.09	25.30	26.60	26.24
Idaho	6.99	9.00	8.19	10.25	9.16	7.77	7.06	6.94
Illinois	8.71	5.85	10.74	12.15	12.78	12.21	10.76	9.64
Indiana	9.67	7.48	10.39	13.06	13.79	12.57	11.39	11.49
Iowa	9.19	6.53	10.03	13.76	15.20	13.78	10.55	10.33
Kansas	NA	8.20	9.64	NA	14.38	13.71	11.33	9.81
Kentucky	8.65	7.59	10.30	14.88	13.79	13.33	12.77	10.53
Louisiana	NA	7.43	11.17	NA	13.13	13.89	12.09	10.27
Maine	12.37	NA	12.51	17.09	17.32	16.14	15.50	13.56
Maryland	11.22	9.81	12.43	15.89	14.27	14.49	13.81	12.06
Massachusetts	NA	9.75	12.95	NA	14.88	13.20	13.92	14.18
Michigan	6.92	6.28	5.61	11.08	10.43	9.37	7.95	7.27
Minnesota	8.59	NA	9.88	10.07	10.52	11.42	8.82	7.91
Mississippi	NA	7.36	10.91	10.42	11.82	12.08	10.91	9.26
Missouri	9.02	7.74	10.70	15.96	15.37	13.48	11.70	9.67
Montana	6.59	5.43	7.52	10.77	10.25	7.44	6.71	7.08
Nebraska	7.70	5.87	9.26	11.16	11.17	9.88	8.29	8.63
Nevada	8.84	9.71	8.64	11.56	11.01	10.38	9.55	9.15
New Hampshire	10.71	9.83	12.65	17.41	18.24	15.55	11.97	10.44
New Jersey	7.97	7.11	7.42	9.44	9.31	8.84	8.64	8.52
New Mexico	NA	6.49	7.76	12.95	12.74	10.97	9.23	NA
New York	NA	9.63	11.90	16.04	15.73	14.08	12.68	11.97
North Carolina	10.85	9.06	12.81	19.09	18.17	16.61	14.02	12.10
North Dakota	7.36	NA	9.09	10.75	12.04	10.74	8.19	7.96
Ohio	8.82	7.31	10.29	12.01	12.28	10.40	9.07	9.84
Oklahoma	8.27	NA	9.86	13.82	13.53	12.71	11.40	9.37
Oregon	9.53	10.78	9.27	12.07	11.51	10.08	9.27	9.46
Pennsylvania	10.65	9.17	11.77	16.25	15.92	13.99	12.42	11.29
Rhode Island	11.43	11.72	11.95	15.40	12.93	14.15	13.38	11.18
South Carolina	11.59	9.77	12.50	16.13	15.84	15.18	13.51	12.91
South Dakota	8.47	6.64	9.83	12.12	12.74	11.45	9.54	9.61
Tennessee	9.65	7.68	10.68	13.41	13.30	11.35	10.54	9.75
Texas	9.07	7.11	9.69	13.19	12.79	12.68	11.00	10.55
Utah	7.01	6.35	8.56	9.50	9.45	7.77	6.68	6.15
Vermont	9.72	10.47	9.68	13.44	13.07	11.69	10.28	9.60
Virginia	NA	9.96	12.39	17.33	19.83	17.59	16.35	12.76
Washington	NA	9.79	9.77	NA	NA	8.87	8.68	7.78
West Virginia	NA	NA	7.81	NA	NA	9.11	9.87	8.86
Wisconsin	9.43	7.08	9.78	11.47	11.45	11.29	9.27	9.39
Wyoming	6.76	5.63	8.89	11.96	12.79	9.28	7.88	6.57
Total	9.35	7.73	10.29	12.76	12.54	11.78	10.56	10.04

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	2003			2002				
	March	February	January	Total	December	November	October	September
Alabama	11.18	9.45	9.40	10.57	9.44	11.47	14.52	14.37
Alaska	4.33	4.33	4.20	4.26	4.31	4.26	4.31	4.56
Arizona	10.24	10.18	9.65	12.36	10.42	12.46	15.00	16.03
Arkansas	9.42	8.27	8.35	8.95	8.66	8.30	8.75	10.06
California	9.53	8.83	8.87	7.09	7.73	7.87	7.50	7.26
Colorado	5.59	4.45	4.57	5.40	4.48	4.64	5.08	7.76
Connecticut	14.52	11.57	11.71	11.11	11.10	11.05	11.89	14.52
Delaware	10.69	9.59	8.67	11.05	9.41	10.61	13.72	15.71
District of Columbia	13.73	13.40	11.24	11.19	10.71	11.58	11.77	15.60
Florida	17.64	14.03	13.14	13.91	13.05	15.94	16.89	17.09
Georgia	13.06	11.09	9.52	9.92	9.07	8.37	11.29	13.81
Hawaii	25.60	24.88	23.82	23.10	18.44	22.93	19.51	24.67
Idaho	6.76	6.67	6.64	8.42	6.76	7.11	7.58	7.94
Illinois	10.19	7.37	7.08	6.32	6.84	7.12	7.40	9.52
Indiana	10.96	8.65	8.06	7.64	7.82	7.78	7.58	10.95
Iowa	9.83	7.73	7.75	7.05	7.77	7.45	8.45	12.51
Kansas	7.86	7.33	6.88	8.06	7.00	7.24	10.12	12.12
Kentucky	8.90	7.52	7.33	7.56	7.05	7.12	9.05	10.44
Louisiana	NA	8.79	8.41	NA	8.59	10.55	10.91	NA
Maine	12.00	11.77	9.87	NA	13.09	12.18	11.66	12.43
Maryland	10.97	9.50	9.19	9.71	9.15	9.21	10.35	12.72
Massachusetts	12.40	11.33	11.09	NA	NA	9.81	9.75	11.64
Michigan	6.61	6.21	6.13	6.32	6.04	6.25	7.02	8.85
Minnesota	10.89	7.79	7.25	NA	7.05	7.19	6.60	7.85
Mississippi	NA	NA	8.89	NA	7.41	NA	9.87	9.69
Missouri	8.49	8.01	7.75	7.94	7.75	7.97	10.09	12.47
Montana	6.32	6.02	5.84	5.27	4.98	4.65	4.87	6.06
Nebraska	8.27	6.68	6.52	6.12	6.30	6.43	7.65	9.48
Nevada	8.25	8.31	7.99	9.69	8.64	9.80	10.96	11.36
New Hampshire	9.81	9.63	9.69	9.90	9.96	9.23	11.05	12.08
New Jersey	7.91	7.62	7.42	7.26	7.34	7.48	8.24	8.08
New Mexico	8.40	7.29	6.66	6.60	6.32	6.53	8.24	9.56
New York	11.46	NA	9.41	9.86	9.55	10.15	11.91	13.12
North Carolina	11.03	9.35	9.34	9.36	9.40	9.53	11.53	14.85
North Dakota	8.07	6.39	6.11	NA	5.41	5.13	4.44	6.43
Ohio	8.93	8.41	7.78	7.52	7.59	7.82	8.52	10.41
Oklahoma	7.78	7.66	6.58	NA	7.18	7.84	9.74	10.77
Oregon	9.34	9.33	9.23	10.55	9.32	9.59	11.25	12.77
Pennsylvania	10.07	9.45	9.45	9.43	9.17	9.43	11.86	14.02
Rhode Island	10.78	10.66	10.81	11.39	8.58	11.68	13.41	15.00
South Carolina	12.37	10.46	10.34	10.02	10.26	10.92	11.34	11.87
South Dakota	8.92	7.63	6.92	6.77	7.47	6.39	6.55	9.32
Tennessee	9.79	9.33	9.07	7.87	8.00	8.08	9.67	10.47
Texas	9.74	8.57	6.92	7.27	6.99	7.27	8.75	10.67
Utah	6.85	6.61	7.16	6.38	6.77	6.33	5.59	7.48
Vermont	9.29	9.23	9.33	10.39	9.45	9.82	11.77	14.04
Virginia	13.60	NA	9.27	9.86	9.19	8.90	11.15	15.67
Washington	7.44	NA	7.46	9.35	7.47	8.19	9.29	10.46
West Virginia	7.26	7.80	NA	NA	7.84	8.08	8.87	11.63
Wisconsin	11.45	8.64	8.23	7.37	8.02	8.21	6.88	8.54
Wyoming	5.81	5.94	6.02	5.46	4.20	5.02	5.18	7.43
Total	9.71	8.43	8.07	7.88	7.83	7.97	8.59	10.19

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							
	August	July	June	May	April	March	February	January
Alabama	14.52	14.40	12.98	13.39	11.07	9.40	10.06	9.58
Alaska	4.94	5.17	2.66	4.50	4.33	4.31	4.27	4.39
Arizona	16.37	16.04	14.59	13.73	12.26	12.27	11.41	11.67
Arkansas	10.09	10.17	10.01	9.70	9.22	8.74	8.86	8.89
California	7.15	7.20	7.16	7.29	6.84	5.99	6.67	7.11
Colorado	9.31	9.06	9.07	6.81	5.90	5.45	4.73	5.25
Connecticut	12.46	14.31	^11.19	11.83	10.97	10.40	10.34	10.88
Delaware	15.95	14.97		12.31	11.18	10.81	10.75	10.53
District of Columbia	11.36	11.55	11.59	11.87	12.76	10.88	10.23	10.78
Florida	16.96	16.53	15.73	15.15	13.81	12.28	11.75	12.16
Georgia	13.98	14.73	13.40	13.37	11.78	9.52	8.72	9.00
Hawaii	26.27	24.92	23.67	23.59	23.17	23.21	23.30	23.44
Idaho	8.63	9.56	9.74	9.34	9.16	8.96	8.79	8.88
Illinois	10.07	10.27	10.00	7.89	5.62	5.05	5.01	5.07
Indiana	11.35	12.85	12.12	8.89	7.67	6.37	6.58	6.90
Iowa	13.51	13.02	10.49	7.52	6.43	5.90	5.71	5.60
Kansas	12.61	12.64	11.69	10.43	8.69	7.39	7.15	7.54
Kentucky	11.28	11.32	9.65	10.15	7.47	6.25	7.51	7.35
Louisiana	9.94	9.98	9.60	9.30	7.96	6.87	6.78	6.47
Maine	14.04	13.74	NA	10.51	11.69	11.55	11.42	10.75
Maryland	14.78	14.77		11.83	10.55	9.05	8.34	9.16
Massachusetts	12.05	10.96	9.76	9.05	9.62	9.72	9.46	9.88
Michigan	9.20	8.65	7.18	6.52	6.14	6.11	6.07	5.78
Minnesota	NA	8.38	7.84	6.62	6.80	5.87	5.75	5.98
Mississippi		9.09	9.36	9.68	7.83	6.37	6.92	7.24
Missouri	13.46	12.69	10.71	8.89	7.40	6.91	7.25	7.18
Montana	6.84	6.35	5.85	5.16	5.23	4.98	5.35	5.77
Nebraska	9.83	9.54	8.49	7.11	5.81	5.19	5.26	5.40
Nevada	11.85	11.45	10.78	10.55	9.64	9.20	9.07	9.53
New Hampshire	13.24	12.22	10.30	10.15	9.88	9.57	9.46	9.17
New Jersey	8.15	8.02	7.67	6.72	6.71	6.95	6.91	7.35
New Mexico	9.78	9.65	9.07	7.77	5.23	4.45	8.13	5.51
New York	13.47	13.11	11.72	10.02	9.40	9.20	8.74	9.12
North Carolina	16.04	15.20	13.50	11.06	8.79	8.02	8.59	8.33
North Dakota	NA	7.74	7.37	6.07	5.30	4.52	4.71	4.82
Ohio	10.60	8.97	8.07	7.17	6.99	6.77	7.22	7.29
Oklahoma	10.59	NA	9.68	9.02	7.54	7.48	7.61	7.38
Oregon	13.14	12.29	11.55	10.61	10.73	10.61	10.55	10.49
Pennsylvania	14.49	13.49	11.90	10.25	8.92	8.55	8.68	8.23
Rhode Island	15.71	14.57	12.72	11.74	11.75	11.49	11.26	11.13
South Carolina	11.70	11.27	10.75	10.40	10.01	9.26	9.93	9.43
South Dakota	10.26	10.81	9.45	7.29	6.67	6.17	6.03	6.00
Tennessee	10.92	10.72	9.77	9.39	7.70	7.27	7.62	7.04
Texas	^10.79	^10.72	^10.68	^10.45	7.12	6.00	6.17	6.68
Utah					6.52	6.68	6.06	6.17
Vermont	14.29	13.59	11.84	10.79	10.27	10.05	9.97	9.97
Virginia	12.92	16.41	16.98	12.87	11.17	8.49	8.98	8.86
Washington	10.56	10.42	10.17	9.98	9.78	9.71	9.60	9.62
West Virginia	12.85	11.93	12.02	8.98	8.46	8.06	7.99	NA
Wisconsin	8.95	8.99	8.39	6.90	7.64	6.68	6.59	
Wyoming	10.14	^9.66	6.59	5.81	5.41	5.22	5.64	5.35
Total	10.42	^10.22	^9.56	^8.52	7.66	7.10	7.25	7.35

^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

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				
				August	July	June	May	April
Alabama	9.76	8.96	10.54	10.91	9.85	11.05	11.68	11.57
Alaska	3.32	3.16	3.05	3.11	3.05	2.84	3.22	3.30
Arizona	7.60	8.66	7.61	7.81	7.56	7.58	7.56	7.37
Arkansas	7.33	6.97	8.36	9.48	9.47	9.72	9.69	8.48
California	NA	5.77	11.37	7.57	7.85	7.79	7.37	8.72
Colorado	5.25	4.85	8.36	6.92	7.00	6.81	6.68	6.72
Connecticut	10.81	NA	8.37	10.63	7.08	11.02	11.95	11.85
Delaware	8.70	9.67	10.16	9.63	9.49	10.28	9.93	9.12
District of Columbia	NA	10.49	12.55	11.35	11.60	11.80	11.63	12.28
Florida	11.10	7.78	11.42	11.11	11.51	11.71	11.71	11.70
Georgia	9.99	8.18	10.13	11.16	12.05	12.23	11.16	11.05
Hawaii	19.50	17.56	17.54	19.31	19.13	19.97	20.63	20.34
Idaho	6.35	8.29	7.28	8.42	7.70	6.64	6.44	6.42
Illinois	8.33	5.78	9.93	10.27	10.92	11.08	9.81	9.21
Indiana	8.68	6.68	9.36	9.78	10.23	10.67	9.58	10.18
Iowa	7.69	5.14	8.39	8.13	9.67	9.14	8.34	8.50
Kansas	NA	7.13	8.91	NA	10.87	9.63	9.92	9.52
Kentucky	8.08	7.03	9.71	11.36	10.64	10.49	10.22	9.48
Louisiana	NA	6.49	9.36	8.52	8.92	9.19	8.68	8.22
Maine	10.98	NA	10.92	11.43	11.58	11.41	17.75	11.53
Maryland	8.08	6.82	11.01	7.94	8.00	8.23	8.30	8.21
Massachusetts	10.80	8.42	11.81	11.10	10.95	10.65	11.53	13.18
Michigan	6.59	5.95	5.30	8.49	8.97	8.23	7.34	6.92
Minnesota	7.75	NA	8.67	7.47	7.43	8.61	7.27	7.29
Mississippi	NA	6.04	9.03	6.78	7.62	7.66	7.65	7.56
Missouri	8.32	6.92	10.30	10.47	10.30	10.00	9.60	8.95
Montana	6.59	5.45	7.47	9.29	9.09	7.62	6.84	6.99
Nebraska	6.90	4.80	8.29	5.41	7.17	7.24	6.50	7.49
Nevada	7.22	7.68	7.58	7.25	7.24	7.16	7.21	7.34
New Hampshire	NA	8.06	11.75	11.76	13.23	14.09	11.39	9.73
New Jersey	8.50	5.85	8.31	6.14	9.15	8.42	13.38	7.71
New Mexico	6.74	4.25	7.43	7.69	7.88	6.94	6.76	7.68
New York	8.87	6.29	10.81	7.69	8.25	9.09	9.45	9.65
North Carolina	9.19	6.89	10.83	11.33	11.27	11.18	10.73	10.13
North Dakota	6.94	NA	8.38	7.55	8.31	8.03	7.13	6.89
Ohio	8.01	6.14	9.32	8.30	8.97	9.06	8.18	9.18
Oklahoma	7.94	7.30	9.19	10.02	10.40	9.87	9.46	8.58
Oregon	7.69	9.11	7.65	8.02	7.92	7.36	7.32	7.72
Pennsylvania	9.10	7.23	11.13	9.23	10.02	9.97	10.18	9.62
Rhode Island	9.96	10.14	10.59	12.80	10.77	11.88	10.46	10.90
South Carolina	9.94	7.72	10.73	9.86	9.87	10.25	9.90	10.74
South Dakota	7.10	5.09	8.49	7.92	8.46	8.37	7.39	7.90
Tennessee	8.39	7.02	9.97	8.99	9.32	8.74	7.93	8.74
Texas	7.51	5.32	7.35	6.77	7.71	7.88	7.59	7.89
Utah	5.50	5.17	7.08	7.09	7.13	5.54	4.98	4.76
Vermont	7.83	8.32	7.74	8.19	8.29	8.07	7.89	7.81
Virginia	NA	6.85	10.03	10.16	11.12	10.09	10.73	9.93
Washington	NA	8.71	8.67	NA	NA	7.62	7.40	6.71
West Virginia	NA	7.52	6.62	NA	NA	7.56	NA	NA
Wisconsin	8.19	5.85	8.61	8.24	8.26	8.65	7.39	8.17
Wyoming	5.15	5.00	9.01	7.68	7.90	6.59	5.55	4.65
Total	8.21	6.44	9.18	8.19	8.76	8.87	8.69	8.74

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	2003			2002				
	March	February	January	Total	December	November	October	September
Alabama	10.00	8.80	8.70	8.99	8.69	9.20	9.62	9.56
Alaska	3.79	3.77	3.39	3.03	2.92	2.77	2.71	3.14
Arizona	7.72	7.63	7.59	8.45	7.68	8.01	8.20	8.09
Arkansas	7.03	6.09	6.20	6.96	6.91	6.93	6.76	7.17
California	8.73	8.18	NA	5.99	7.35	6.94	5.77	5.40
Colorado	5.10	4.10	4.16	4.58	3.94	4.15	4.06	5.07
Connecticut	13.35	9.57	10.08	NA	8.74	8.39	7.79	5.24
Delaware	9.29	8.26	7.61	9.40	8.15	8.84	10.07	10.50
District of Columbia	13.41	12.13	NA	10.44	10.09	10.69	10.19	10.96
Florida	12.54	10.15	9.56	7.98	8.71	8.49	8.06	8.35
Georgia	11.40	8.97	8.09	8.05	7.31	7.46	8.78	9.59
Hawaii	19.55	18.65	18.59	17.81	18.89	17.42	18.55	18.38
Idaho	6.09	6.05	6.03	7.73	6.12	6.59	6.72	6.56
Illinois	9.50	7.19	6.99	6.19	6.75	6.93	6.89	7.74
Indiana	9.79	7.82	7.73	6.74	6.97	6.76	6.21	7.89
Iowa	8.50	6.90	6.78	5.48	6.09	6.01	5.92	6.82
Kansas	7.67	7.29	6.80	7.07	6.97	6.34	7.63	7.67
Kentucky	8.09	7.28	6.99	7.07	6.92	7.23	7.24	8.03
Louisiana	NA	NA	8.03	6.83	7.92	7.99	7.47	6.81
Maine	11.11	9.76	10.13	NA	9.01	9.41	8.45	7.93
Maryland	8.95	7.85	7.57	6.86	7.19	6.84	6.81	6.39
Massachusetts	11.56	10.76	8.80	8.63	10.93	8.97	8.01	6.72
Michigan	6.55	6.07	6.03	6.05	6.22	6.01	6.51	7.51
Minnesota	10.22	7.28	6.66	NA	6.24	6.20	5.36	5.38
Mississippi	NA	NA	7.54	NA	6.71	NA	6.62	5.95
Missouri	8.14	7.81	7.52	7.08	7.43	7.23	7.55	8.11
Montana	6.37	6.10	5.87	5.28	5.05	4.69	4.69	5.64
Nebraska	8.12	6.57	6.15	5.02	5.88	5.52	4.88	4.81
Nevada	7.06	7.34	7.19	7.66	7.47	7.77	7.76	7.55
New Hampshire	9.26	9.04	NA	8.07	8.83	8.21	7.21	6.15
New Jersey	9.98	8.09	7.57	6.29	7.25	7.08	7.24	6.47
New Mexico	7.25	6.28	5.75	4.53	5.25	4.90	4.83	7.71
New York	9.99	8.51	8.13	8.44	7.56	6.59	6.41	5.58
North Carolina	9.41	8.07	8.02	7.15	7.67	7.85	7.33	7.66
North Dakota	8.80	6.25	5.78	NA	5.16	4.92	4.01	4.33
Ohio	8.31	7.93	7.11	6.31	6.71	6.67	6.62	6.53
Oklahoma	7.73	7.63	6.87	7.28	7.16	7.07	7.67	7.59
Oregon	7.77	7.74	7.76	8.83	7.78	7.76	8.69	9.32
Pennsylvania	9.48	8.83	8.16	7.44	7.99	7.92	7.77	7.24
Rhode Island	9.35	9.34	9.43	10.05	9.28	10.09	10.03	11.56
South Carolina	11.37	9.52	8.90	7.89	8.66	8.58	7.47	7.47
South Dakota	7.89	6.59	6.04	5.25	6.17	5.24	4.87	5.63
Tennessee	9.61	8.52	7.13	7.12	7.37	7.24	7.44	7.26
Texas	8.68	7.90	7.31	NA	6.36	NA	6.23	5.60
Utah	5.57	5.34	5.66	5.21	5.57	5.33	4.57	5.45
Vermont	7.74	7.78	7.79	8.20	7.80	7.81	8.08	8.63
Virginia	11.28	NA	7.76	7.00	7.54	6.81	6.82	7.99
Washington	6.68	6.69	6.67	8.30	6.71	7.28	7.80	8.09
West Virginia	NA	7.27	7.13	7.48	7.11	7.38	7.67	9.09
Wisconsin	10.29	7.66	7.30	6.14	7.01	7.00	5.48	5.83
Wyoming	4.88	4.66	4.59	4.77	3.59	4.07	4.23	4.92
Total	8.95	7.81	7.31	6.57	7.07	6.77	6.52	6.46

See footnotes at end of table.

Table 22

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

State	2002							
	August	July	June	May	April	March	February	January
Alabama	9.57	9.55	9.22	9.45	9.24	8.63	8.99	8.54
Alaska	3.14	3.04	1.99	2.91	3.34	3.40	3.32	3.42
Arizona	8.09	7.99	8.03	8.16	8.24	9.04	8.98	9.40
Arkansas	6.72	6.96	6.95	7.22	7.19	6.88	7.04	6.82
California	5.29	5.44	5.36	5.63	6.07	5.50	5.84	6.53
Colorado	5.49	5.56	5.68	4.97	4.83	5.04	4.18	4.91
Connecticut	6.29	6.93	7.35	6.83	7.25	5.98	NA	7.41
Delaware	10.73	10.83	10.67	9.77	9.70	9.41	9.34	9.49
District of Columbia	10.51	10.36	10.71	10.53	11.61	10.36	10.07	10.39
Florida	8.09	8.10	8.05	7.91	7.73	7.34	7.63	7.77
Georgia	10.25	11.20	10.46	9.46	9.45	7.54	7.06	6.87
Hawaii	17.83	18.41	18.39	17.24	16.97	16.92	17.03	17.58
Idaho	6.86	7.79	8.75	8.66	8.59	8.30	8.18	8.29
Illinois	8.21	8.61	8.91	7.36	5.61	5.31	5.11	5.14
Indiana	8.03	9.38	8.91	7.95	7.27	5.80	5.87	6.41
Iowa	7.34	7.12	6.63	5.81	5.21	4.98	4.69	4.72
Kansas	7.50	8.46	8.84	8.09	7.59	6.64	6.55	7.05
Kentucky	8.06	7.77	7.40	7.23	6.72	6.03	7.12	7.50
Louisiana	6.44	6.70	6.10	6.54	6.72	6.57	6.13	6.71
Maine	7.77	7.94	8.37	7.75	NA	10.36	10.81	10.08
Maryland	6.26	6.60	6.77	7.19	6.73	6.74	6.61	7.24
Massachusetts	7.70	7.58	7.96	7.53	8.28	8.29	8.78	^9.18
Michigan	7.44	6.97	6.56	6.10	5.82	5.91	5.88	5.63
Minnesota	NA	5.27	5.53	5.76	5.83	5.07	4.70	4.79
Mississippi	5.37	5.52	6.09	6.32	6.43	5.49	6.14	6.44
Missouri	8.46	8.46	7.58	6.97	6.69	6.45	6.84	6.93
Montana	5.86	5.86	5.67	5.27	5.33	5.06	5.44	5.82
Nebraska	4.64	4.84	5.01	5.11	4.91	4.62	4.65	4.89
Nevada	7.50	7.53	6.81	7.23	7.02	8.07	7.81	8.28
New Hampshire	6.43	6.91	6.70	7.11	8.10	7.73	9.48	8.96
New Jersey	6.52	6.53	6.27	5.89	5.79	6.24	5.72	5.44
New Mexico	5.05	4.89	4.98	4.64	3.65	3.47	4.12	4.63
New York	5.41	5.56	6.38	6.47	^6.44	6.32	6.53	6.73
North Carolina	7.83	7.84	6.85	6.53	6.34	6.54	6.94	7.03
North Dakota	NA	4.56	5.02	4.42	5.01	4.34	3.78	5.77
Ohio	6.64	6.11	6.00	5.90	5.92	5.81	6.31	6.45
Oklahoma	7.27	7.15	7.39	7.22	6.87	7.34	7.50	7.32
Oregon	9.28	9.04	9.17	8.82	9.11	9.12	9.18	9.15
Pennsylvania	7.13	7.49	7.37	7.29	7.17	7.16	7.18	7.25
Rhode Island	10.55	10.80	10.57	10.54	10.21	9.98	9.96	9.93
South Carolina	7.37	7.20	7.55	7.35	8.07	7.81	7.73	7.98
South Dakota	5.91	5.95	6.10	5.60	5.15	5.03	4.71	4.85
Tennessee	7.37	8.31	7.30	7.27	6.63	6.74	7.20	6.85
Texas	5.41	5.60	5.72	5.71	5.17	5.00	5.29	5.18
Utah	5.15	4.92	4.92	4.86	5.14	5.17	5.25	5.26
Vermont	8.69	8.68	8.49	8.29	8.29	8.23	8.30	8.23
Virginia	7.62	7.91	8.38	7.57	7.23	5.81	6.80	6.49
Washington	8.03	7.92	8.34	8.79	8.77	8.90	8.86	8.85
West Virginia	9.39	9.25	8.73	8.21	7.42	6.99	7.53	7.19
Wisconsin	5.86	6.09	6.11	5.41	6.49	5.70	5.52	5.99
Wyoming	5.59	4.91	5.06	4.87	4.90	4.92	5.15	5.01
Total	6.38	6.53	6.71	6.62	^6.49	6.23	6.38	6.49

^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				
				August	July	June	May	April
Alabama	NA	4.32	7.06	6.07	6.01	6.94	6.59	6.62
Alaska	1.77	1.64	1.59	1.87	1.95	1.78	1.63	1.69
Arizona	6.47	NA	6.15	6.53	6.68	6.25	6.48	5.90
Arkansas	6.48	5.86	6.72	7.44	7.02	7.32	7.20	6.58
California	7.23	4.86	7.95	6.95	6.94	7.04	6.67	7.87
Colorado	3.60	NA	4.53	3.44	3.49	3.71	3.62	3.60
Connecticut	7.55	4.75	7.64	6.25	6.83	7.32	6.76	8.22
Delaware	6.41	6.24	7.20	6.79	6.46	6.87	6.80	6.80
District of Columbia	—	—	—	—	—	—	—	—
Florida	NA	4.85	7.78	8.36	NA	6.80	7.16	7.30
Georgia	5.81	4.99	6.89	5.88	4.13	4.61	4.57	4.64
Hawaii	11.68	9.97	11.25	12.14	11.82	12.19	12.35	12.15
Idaho	5.58	7.43	5.91	6.50	6.40	5.21	5.24	5.26
Illinois	7.33	4.85	8.25	7.49	8.56	8.22	6.61	7.35
Indiana	8.77	6.17	9.90	8.82	9.60	10.71	8.05	10.36
Iowa	7.09	4.81	8.05	5.20	7.33	6.97	6.72	5.62
Kansas	NA	3.97	5.45	NA	6.50	6.91	6.40	7.86
Kentucky	6.71	4.38	7.30	6.16	6.68	6.99	6.53	6.48
Louisiana	5.72	3.60	5.89	4.89	5.55	6.09	5.35	5.34
Maine	10.23	NA	8.75	10.29	9.96	9.83	10.77	10.80
Maryland	NA	7.02	10.10	NA	9.63	11.69	10.92	11.40
Massachusetts	NA	7.07	9.71	9.84	9.50	8.78	10.95	11.87
Michigan	5.37	NA	4.65	6.81	5.42	6.65	5.81	5.59
Minnesota	6.15	NA	6.03	5.58	6.10	6.05	5.63	5.76
Mississippi	6.45	4.07	6.58	5.91	6.03	6.60	6.03	5.51
Missouri	7.87	5.61	9.05	8.35	7.35	8.50	8.54	9.53
Montana	NA	3.89	5.22	NA	6.70	4.98	4.99	4.61
Nebraska	5.98	3.96	6.64	5.96	6.27	5.51	6.43	6.05
Nevada	8.75	7.44	6.25	8.94	8.87	9.24	8.83	8.72
New Hampshire	NA	NA	10.64	10.74	11.56	10.71	9.30	8.51
New Jersey	7.05	4.63	7.51	5.91	7.21	6.65	4.28	8.50
New Mexico	6.27	3.87	6.76	6.18	6.69	5.93	5.72	6.81
New York	NA	5.64	8.33	NA	7.67	7.40	7.63	9.45
North Carolina	NA	4.53	7.77	5.64	6.09	6.94	5.79	NA
North Dakota	5.52	3.77	6.42	5.80	5.25	5.18	5.08	5.47
Ohio	8.02	6.05	6.95	8.88	10.35	9.98	8.76	8.69
Oklahoma	7.30	6.78	8.42	8.00	8.44	7.80	9.14	7.68
Oregon	5.91	7.24	5.79	5.70	5.89	5.88	5.59	6.04
Pennsylvania	8.47	6.95	7.67	9.05	8.04	8.18	7.93	8.28
Rhode Island	8.46	5.66	7.06	8.62	8.59	8.59	7.88	8.70
South Carolina	7.20	4.20	6.52	6.34	6.93	7.59	6.62	6.97
South Dakota	NA	4.21	6.80	NA	5.99	5.33	5.15	5.80
Tennessee	6.17	5.10	7.82	4.71	5.28	5.48	5.17	6.04
Texas	5.67	3.14	5.25	4.95	5.45	6.43	5.39	5.13
Utah	4.78	4.20	5.53	5.49	5.71	4.96	4.48	4.38
Vermont	4.74	4.30	5.45	4.84	4.88	4.95	3.62	5.15
Virginia	NA	4.58	6.57	4.43	6.17	6.82	6.94	6.66
Washington	NA	4.94	5.73	NA	NA	6.89	5.82	6.04
West Virginia	NA	4.31	5.79	NA	NA	6.99	6.36	6.96
Wisconsin	7.54	5.14	8.49	6.67	7.28	7.78	6.93	7.45
Wyoming	6.22	4.62	6.65	7.32	7.24	7.27	6.05	5.65
Total	6.01	3.80	6.09	5.25	5.64	6.37	5.60	5.88

See footnotes at end of table.

Table 23

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

State	2003			2002				
	March	February	January	Total	December	November	October	September
Alabama	8.91	6.82	NA	4.30	4.55	4.66	3.75	3.95
Alaska	1.70	1.82	1.72	1.63	1.68	1.69	1.58	1.57
Arizona	6.77	5.70	7.37	NA	5.94	6.12	6.07	6.38
Arkansas	6.41	5.59	5.66	5.97	6.72	6.30	5.71	6.05
California	7.77	7.18	7.36	5.07	6.17	5.97	5.16	4.58
Colorado	4.14	6.57	6.25	NA	6.21	5.52	4.68	4.43
Connecticut	8.81	8.11	7.38	5.02	6.29	5.68	4.93	4.97
Delaware	7.24	5.88	5.40	6.16	5.53	5.84	6.34	6.68
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.74	6.19	5.46	R4.91	5.43	4.87	4.96	4.86
Georgia	9.16	7.09	6.55	5.23	6.20	5.93	5.31	5.37
Hawaii	11.35	10.92	10.62	10.17	10.71	10.98	10.24	10.65
Idaho	5.41	5.37	5.56	6.76	4.91	4.26	5.45	5.43
Illinois	8.76	6.85	6.29	5.19	6.04	6.02	5.38	5.17
Indiana	11.23	8.04	7.06	5.74	6.16	5.41	4.37	4.42
Iowa	7.78	7.77	7.46	5.37	6.88	6.01	5.48	4.92
Kansas	7.50	6.58	6.74	4.10	5.28	5.48	4.62	3.93
Kentucky	8.83	6.40	5.89	4.59	5.31	5.41	4.62	4.21
Louisiana	8.02	5.64	5.14	3.90	4.52	4.48	4.07	4.02
Maine	9.98	9.95	10.32	NA	7.81	6.25	5.51	4.57
Maryland	11.36	8.61	8.40	6.95	6.99	6.68	6.62	6.52
Massachusetts	10.56	9.35	NA	7.27	9.20	6.73	6.10	7.61
Michigan	5.45	5.02	4.87	NA	3.70	5.03	5.14	5.20
Minnesota	8.90	5.88	5.36	NA	4.74	5.05	4.26	4.02
Mississippi	8.68	6.90	5.60	4.34	5.27	5.19	4.75	4.18
Missouri	7.79	7.47	7.05	5.85	6.76	6.41	6.28	6.02
Montana	5.03	4.81	4.70	3.92	4.01	3.70	4.12	4.67
Nebraska	7.11	5.57	5.22	4.14	4.95	4.75	4.12	3.98
Nevada	8.94	8.64	8.39	7.69	7.17	9.32	8.96	8.98
New Hampshire	8.38	8.26	NA	NA	NA	6.99	6.55	6.30
New Jersey	8.78	7.63	6.38	4.93	6.24	5.59	5.32	4.34
New Mexico	6.96	6.10	5.60	4.19	6.23	5.34	4.01	3.80
New York	8.87	NA	6.99	R5.68	R6.86	R6.08	R5.16	R4.71
North Carolina	6.63	5.84	5.77	4.87	6.49	5.76	4.97	4.59
North Dakota	8.32	6.14	4.58	4.05	5.00	4.69	4.21	3.79
Ohio	8.56	7.52	6.78	6.25	6.59	6.68	6.26	6.62
Oklahoma	6.68	7.13	6.47	6.58	6.34	6.15	6.07	5.39
Oregon	6.14	6.20	5.88	6.95	5.90	5.83	5.87	7.32
Pennsylvania	9.82	8.05	7.97	6.89	7.21	7.37	6.21	5.92
Rhode Island	7.18	7.29	13.24	5.20	6.89	3.16	5.54	4.59
South Carolina	9.87	7.11	6.58	4.52	5.54	5.39	5.11	4.72
South Dakota	NA	5.27	4.89	4.26	4.61	4.35	3.98	3.88
Tennessee	7.56	7.30	7.21	5.22	5.92	5.60	5.12	5.07
Texas	8.27	5.80	4.67	3.35	4.17	4.01	3.70	3.47
Utah	5.08	4.30	4.31	3.90	4.29	3.69	2.59	2.59
Vermont	5.04	4.67	4.92	4.39	4.80	4.47	4.61	4.22
Virginia	9.86	NA	6.33	4.46	5.84	4.25	3.34	2.97
Washington	5.87	4.43	5.05	4.80	5.15	4.60	3.86	4.37
West Virginia	NA	8.29	6.32	R4.58	5.58	5.57	5.01	4.33
Wisconsin	10.07	6.98	6.62	5.42	6.35	6.58	4.99	4.57
Wyoming	R5.88	5.79	5.86	4.52	4.50	4.39	4.09	4.20
Total	8.05	6.17	5.31	R3.99	R4.87	R4.65	R4.13	R3.84

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							
	August	July	June	May	April	March	February	January
Alabama	3.72	3.89	3.95	4.77	4.28	4.28	4.67	4.81
Alaska	1.56	1.51	1.66	1.62	1.64	1.66	1.68	1.74
Arizona	6.35	6.31	6.20	6.34	6.44	NA	7.18	7.15
Arkansas	5.35	5.62	5.82	6.02	5.88	5.84	6.12	5.92
California	4.42	4.66	4.57	4.98	5.63	4.37	4.63	5.66
Colorado	4.23	4.32	4.69	4.88	5.16	NA	7.80	7.03
Connecticut	4.16	4.12	4.76	4.86	4.15	4.94	5.16	5.22
Delaware	6.47	6.29	7.23	5.47	6.16	6.11	6.02	6.58
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.75	4.82	5.12	4.84	4.29	4.97	R4.91	5.06
Georgia	5.23	5.51	5.42	7.25	5.01	3.76	3.96	4.40
Hawaii	10.43	10.22	10.63	9.97	9.66	9.85	10.48	8.59
Idaho	5.94	5.70	7.48	7.78	7.75	8.07	7.65	7.64
Illinois	5.36	5.19	5.67	6.02	4.84	4.43	4.65	4.18
Indiana	5.04	5.47	6.17	7.63	7.18	4.60	6.20	7.62
Iowa	4.75	5.03	5.17	5.16	4.79	4.69	4.40	4.77
Kansas	3.75	3.83	3.88	3.99	4.00	4.02	4.93	5.28
Kentucky	3.95	4.10	4.22	4.46	4.53	4.11	4.65	4.83
Louisiana	3.41	3.67	3.58	3.80	3.69	3.62	3.26	3.77
Maine	4.40	4.39	4.41	4.93	4.43	3.73	NA	7.25
Maryland	7.55	6.59	8.24	8.15	6.16	6.75	6.12	7.62
Massachusetts	6.50	5.64	5.77	7.37	6.74	7.08	7.49	8.04
Michigan	5.39	NA	5.09	4.93	4.81	4.97	5.01	4.93
Minnesota	NA	NA	4.88	3.96	4.54	3.48	3.57	3.85
Mississippi	4.11	4.27	4.21	4.76	4.19	3.58	3.69	3.93
Missouri	6.08	6.29	5.92	5.94	5.88	5.00	5.29	5.97
Montana	5.14	4.57	3.74	3.41	3.58	3.72	3.90	4.30
Nebraska	3.82	4.04	3.64	4.33	4.36	3.90	3.59	4.07
Nevada	8.92	9.01	6.63	7.03	6.73	7.85	7.01	7.71
New Hampshire	6.63	6.81	5.53	5.99	NA	NA	NA	6.06
New Jersey	4.81	5.01	4.95	5.06	4.86	4.17	4.58	4.17
New Mexico	3.79	3.77	3.96	3.90	3.43	3.94	4.41	4.64
New York	R4.64	R4.88	R5.04	R5.35	R5.79	R6.13	R6.02	R6.35
North Carolina	4.58	4.91	4.81	4.24	4.56	3.54	4.55	4.98
North Dakota	3.42	3.83	3.92	5.30	4.49	6.24	2.22	1.17
Ohio	5.88	5.39	5.56	5.34	6.06	5.80	6.22	6.66
Oklahoma	5.19	7.12	6.39	6.04	7.58	7.04	7.06	6.88
Oregon	7.18	6.74	7.06	7.23	7.15	7.29	7.38	7.40
Pennsylvania	6.08	6.11	5.96	6.25	7.06	7.50	7.45	7.58
Rhode Island	4.65	4.91	4.67	6.88	5.75	5.87	6.70	6.85
South Carolina	4.62	4.53	4.50	4.51	4.36	3.72	3.41	4.03
South Dakota	4.49	4.51	4.53	4.41	4.06	4.08	4.10	4.14
Tennessee	4.56	4.57	4.99	5.26	5.21	5.29	5.12	5.37
Texas	3.18	3.46	3.47	3.58	2.89	2.78	2.41	2.84
Utah	2.79	2.87	4.05	4.34	4.63	4.59	4.74	4.96
Vermont	4.04	4.19	4.23	4.41	4.08	4.36	4.40	4.46
Virginia	3.52	3.88	4.40	4.10	4.79	4.98	4.79	5.69
Washington	4.57	3.41	5.28	4.52	5.09	4.85	5.61	5.61
West Virginia	4.34	4.35	4.74	4.54	4.76	4.05	3.75	R3.90
Wisconsin	4.42	4.80	5.35	4.65	5.70	5.02	4.99	5.52
Wyoming	4.32	4.21	4.69	4.60	4.73	4.71	4.75	4.78
Total	R3.63	R3.77	R3.81	R4.02	3.61	R3.78	R3.71	R4.07

^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

**Table 24. Average Price of Natural Gas Sold to Electric Utility^a Consumers,
by State, 2001-2003**
(Dollars per Thousand Cubic Feet)

State	YTD 2003	YTD 2002	YTD 2001	2003				
				July	June	May	April	March
Alabama	6.34	3.26	7.20	5.70	6.48	6.63	6.51	7.23
Alaska	2.14	2.46	2.23	2.57	2.07	2.08	2.11	2.02
Arizona	5.39	3.13	5.37	5.45	5.88	5.12	4.04	5.78
Arkansas	6.01	3.51	5.41	5.44	9.91	6.37	5.68	5.52
California	5.21	4.14	10.77	5.43	5.24	5.13	4.55	5.81
Colorado	4.29	2.58	4.63	4.78	5.27	4.21	3.57	4.48
Connecticut	—	—	—	—	—	—	—	—
Delaware	6.80	3.34	5.40	6.14	7.12	7.46	6.70	7.00
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.58	3.93	6.09	6.43	7.03	6.36	6.37	8.61
Georgia	3.85	3.36	4.25	2.74	5.78	2.21	5.80	—
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	7.43	3.49	5.08	7.17	8.01	6.87	7.84	9.33
Indiana	8.88	3.54	5.72	7.17	6.60	4.49	11.27	11.68
Iowa	6.20	3.66	5.63	6.15	6.63	6.07	5.89	5.98
Kansas	5.48	3.02	4.04	5.27	5.76	5.11	4.95	8.76
Kentucky	7.13	4.22	6.79	5.85	6.94	8.96	12.35	9.30
Louisiana	6.62	3.41	5.41	5.85	6.55	6.07	5.90	9.04
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	7.75	3.79	4.58	5.71	6.10	6.94	7.95	8.52
Michigan	6.04	3.56	4.23	5.52	6.01	5.00	5.91	6.49
Minnesota	6.10	3.42	5.84	5.62	6.96	6.76	5.97	9.68
Mississippi	6.27	3.21	4.78	5.66	6.21	5.95	5.72	6.91
Missouri	5.21	3.36	5.07	4.93	6.09	5.79	5.25	6.05
Montana	5.74	4.90	8.45	17.50	9.56	6.58	5.21	5.71
Nebraska	6.79	3.46	5.01	6.36	6.72	6.97	5.91	8.49
Nevada	5.92	6.18	8.22	6.44	7.15	6.24	6.01	5.75
New Hampshire	—	3.50	—	—	—	—	—	—
New Jersey	6.33	—	—	6.33	—	—	—	—
New Mexico	5.52	3.11	4.98	5.17	5.61	4.83	4.53	7.05
New York	7.78	3.61	5.52	5.90	6.62	5.81	5.92	11.00
North Carolina	6.94	4.24	4.88	6.81	6.85	6.75	7.67	—
North Dakota	7.55	2.63	7.36	—	7.56	—	—	—
Ohio	7.94	5.07	8.86	8.81	7.88	6.15	6.35	7.16
Oklahoma	6.34	3.43	5.47	5.66	6.24	5.74	5.45	8.81
Oregon	3.88	3.09	4.09	4.22	4.65	4.19	4.12	3.47
Pennsylvania	—	—	8.87	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	7.29	4.80	6.47	—	—	—	—	—
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	5.89	3.27	5.07	5.44	6.24	5.57	5.19	7.48
Utah	3.12	5.96	4.84	3.22	1.77	2.52	4.16	3.47
Vermont	—	3.18	4.83	—	—	—	—	—
Virginia	7.63	5.01	5.73	7.24	14.62	1.60	7.06	8.38
Washington	—	—	—	—	—	—	—	—
West Virginia	10.48	4.00	8.31	—	7.28	6.42	16.67	17.44
Wisconsin	6.24	3.65	5.49	5.88	6.34	5.75	5.69	7.84
Wyoming	3.08	4.88	4.11	1.90	3.00	3.27	3.86	3.32
Total	6.10	3.58	5.57	5.75	6.38	5.00	5.64	7.73

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	2003		2002					
	February	January	Total	December	November	October	September	August
Alabama	6.81	5.55	3.59	4.82	4.67	4.35	3.54	3.42
Alaska	2.03	2.02	2.22	1.98	2.02	2.02	2.11	2.12
Arizona	6.16	5.08	3.26	4.82	3.97	3.60	3.08	2.95
Arkansas	6.78	6.44	3.60	4.89	4.26	4.28	3.89	3.25
California	5.22	4.50	4.07	4.65	4.25	3.69	3.69	4.04
Colorado	3.55	3.78	2.62	3.47	3.16	2.47	1.94	2.21
Connecticut	—	—	—	—	—	—	—	—
Delaware	9.21	7.28	3.66	5.58	4.23	4.90	4.17	4.03
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.72	4.83	4.22	5.90	4.73	4.85	4.15	3.93
Georgia	—	—	3.10	6.65	2.35	1.85	4.06	3.59
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	6.41	6.37	3.53	5.50	5.00	5.20	4.01	3.18
Indiana	2.86	5.41	3.85	4.82	4.96	4.81	4.17	4.49
Iowa	6.59	5.74	3.87	4.89	5.15	4.52	3.78	3.28
Kansas	6.47	5.07	3.11	4.22	4.17	3.38	3.09	2.97
Kentucky	7.03	6.10	4.34	5.24	4.91	4.91	3.99	3.67
Louisiana	7.53	5.90	3.66	4.87	4.59	4.49	3.92	3.36
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	13.47	8.05	4.07	5.78	4.73	4.71	4.19	3.65
Michigan	7.16	6.17	3.79	4.75	8.11	4.67	3.87	3.27
Minnesota	6.72	3.90	3.95	7.23	4.86	4.52	4.82	3.91
Mississippi	7.15	6.00	3.63	5.27	4.29	4.19	3.69	3.32
Missouri	7.03	4.56	3.43	5.13	4.36	4.48	3.54	3.20
Montana	6.12	5.60	4.82	6.12	5.21	3.84	4.66	4.65
Nebraska	7.05	6.48	4.17	5.24	4.45	4.07	4.01	3.80
Nevada	4.34	4.61	5.60	4.31	4.96	4.88	5.43	4.50
New Hampshire	—	—	4.08	6.51	—	4.42	3.87	3.58
New Jersey	—	—	—	—	—	—	—	—
New Mexico	5.84	5.03	3.29	4.42	4.16	3.60	3.10	3.05
New York	8.16	7.20	3.88	5.63	5.17	4.50	3.94	3.79
North Carolina	—	7.52	4.37	5.95	6.07	5.95	4.51	4.30
North Dakota	—	7.50	2.52	—	—	2.00	—	—
Ohio	9.12	6.01	5.17	5.52	6.12	6.01	4.49	4.33
Oklahoma	7.36	5.58	3.61	4.96	4.93	4.31	3.50	3.34
Oregon	3.87	3.66	3.01	—	3.51	2.80	2.81	2.35
Pennsylvania	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	—	7.29	5.16	—	4.94	6.03	5.42	5.38
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	6.16	5.10	3.47	4.51	4.18	3.89	3.50	3.17
Utah	—	—	4.82	—	3.63	2.96	3.62	3.69
Vermont	—	—	3.86	—	4.86	4.39	—	—
Virginia	8.97	6.44	4.92	7.44	8.98	6.37	4.61	3.93
Washington	—	—	—	—	—	—	—	—
West Virginia	10.70	7.28	4.53	8.40	9.03	4.84	4.07	4.18
Wisconsin	5.91	5.49	3.80	4.74	4.81	4.23	3.99	3.42
Wyoming	—	—	4.38	21.17	5.84	2.21	2.22	2.89
Total	6.38	5.13	3.78	4.86	4.47	4.27	3.78	3.48

See footnotes at end of table.

Table 24

**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
	July	June	May	April	March	February	January	Total
Alabama	3.43	3.32	3.82	3.75	3.07	2.44	2.66	5.20
Alaska	2.12	2.40	2.38	2.46	2.77	2.57	2.57	2.36
Arizona	3.07	3.01	3.23	3.29	3.45	2.66	3.33	4.70
Arkansas	3.42	3.60	4.16	3.69	3.82	2.66	2.64	4.44
California	3.66	3.64	3.80	4.09	4.42	4.58	5.93	9.38
Colorado	1.83	2.02	2.68	3.03	3.01	2.67	2.95	3.81
Connecticut	—	—	—	—	—	—	—	—
Delaware	3.21	3.43	4.12	3.86	3.86	3.05	3.30	4.41
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.00	4.11	4.30	4.27	3.64	3.29	3.48	4.73
Georgia	3.25	2.98	2.81	3.86	3.67	2.70	8.67	3.36
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.19	3.57	5.71	4.34	3.19	3.14	3.23	3.79
Indiana	4.16	2.61	6.35	3.25	3.25	3.07	3.36	5.18
Iowa	3.73	3.89	4.20	4.34	3.18	2.91	3.44	4.78
Kansas	3.04	3.24	3.39	3.45	2.94	2.27	2.26	3.60
Kentucky	3.70	3.82	4.05	5.70	4.61	3.97	3.55	4.70
Louisiana	3.54	3.66	3.84	3.77	3.18	2.49	2.76	4.30
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	3.70	4.04	4.05	4.02	3.89	3.26	3.23	3.58
Michigan	\$3.48	\$3.61	\$4.22	\$4.01	\$3.44	\$3.04	3.51	3.48
Minnesota	3.28	3.53	3.66	3.96	2.55	4.16	3.94	5.25
Mississippi	3.36	3.55	3.74	3.60	2.83	2.36	2.62	3.54
Missouri	3.25	3.26	3.68	3.72	3.24	3.04	3.19	4.69
Montana	6.13	4.71	4.90	4.98	4.82	4.69	4.89	7.54
Nebraska	3.12	3.93	4.47	3.65	4.57	2.22	3.12	4.29
Nevada	4.93	5.09	5.25	6.13	7.28	8.09	7.83	8.22
New Hampshire	3.38	3.39	3.81	3.97	—	—	—	2.56
New Jersey	—	—	—	—	—	—	—	3.43
New Mexico	3.13	3.04	3.15	3.13	3.47	2.91	2.68	4.22
New York	3.85	3.88	3.94	3.86	3.26	2.83	3.38	4.12
North Carolina	4.29	4.32	3.80	3.79	4.84	4.47	4.88	4.50
North Dakota	2.14	—	—	—	2.68	2.89	—	7.08
Ohio	4.66	4.95	5.15	6.36	5.78	3.98	5.95	8.17
Oklahoma	3.42	3.50	3.80	3.81	3.17	2.90	3.15	4.62
Oregon	2.38	2.95	3.15	2.95	3.30	2.96	3.36	3.82
Pennsylvania	—	—	—	—	—	—	—	8.87
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	5.37	5.28	—	4.29	4.48	6.12	4.11	2.64
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.40	3.45	3.58	3.54	3.05	2.66	2.74	4.32
Utah	4.33	5.13	—	3.54	6.10	9.98	11.71	4.88
Vermont	—	—	—	—	3.13	2.73	3.54	4.83
Virginia	3.98	4.39	5.59	5.55	12.56	12.17	8.92	4.55
Washington	—	—	—	—	—	—	—	—
West Virginia	3.39	6.52	4.46	3.90	3.44	2.98	4.66	6.46
Wisconsin	3.57	3.90	3.92	3.98	3.41	3.30	3.27	4.76
Wyoming	2.85	—	—	3.91	4.43	5.09	7.21	4.01
Total	\$3.54	\$3.69	\$3.90	3.90	\$3.52	3.05	3.31	4.61

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

^r Revised Data.

— Not Applicable.

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

otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

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

Table 25

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

State	YTD 2003		YTD 2002		YTD 2001		2003	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	August	
							Commercial	Industrial
Alabama	78.8	NA	77.0	16.6	84.5	22.5	77.2	12.8
Alaska	60.2	82.8	60.2	88.4	61.3	95.9	71.3	70.2
Arizona	91.5	34.4	92.4	NA	91.8	44.2	91.1	36.0
Arkansas	NA	NA	82.0	4.9	87.4	6.5	NA	NA
California	NA	5.5	66.8	5.3	61.8	9.9	70.9	5.3
Colorado	99.7	NA	NA	NA	94.1	2.7	96.8	1.8
Connecticut	67.7	48.8	NA	NA	76.3	50.3	76.0	44.3
Delaware	NA	13.1	83.5	12.0	98.4	17.1	77.5	9.5
District of Columbia	NA	—	21.9	—	23.3	—	18.7	—
Florida	NA	NA	41.2	1.5	60.6	4.1	NA	1.6
Georgia	100.0	6.4	100.0	5.4	21.8	20.8	100.0	4.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.2	2.0	77.6	NA	87.4	2.3	78.4	2.2
Illinois	43.2	9.6	39.2	NA	42.2	10.0	34.3	8.2
Indiana	80.1	8.2	75.7	6.4	78.3	7.7	73.8	5.2
Iowa	NA	6.2	78.9	5.5	84.3	6.8	68.8	4.4
Kansas	NA	NA	59.7	7.7	65.1	9.1	NA	NA
Kentucky	75.1	16.8	77.4	15.5	83.4	19.2	69.4	13.8
Louisiana	NA	15.1	72.4	9.6	82.5	7.8	99.0	13.6
Maine	73.5	9.1	NA	NA	100.0	9.4	54.8	8.7
Maryland	100.0	NA	100.0	8.0	34.4	9.0	100.0	NA
Massachusetts	60.6	NA	47.9	22.0	65.4	28.2	39.8	NA
Michigan	64.3	11.1	65.4	NA	64.0	12.2	49.1	3.9
Minnesota	92.7	39.1	NA	NA	98.7	42.8	91.5	37.4
Mississippi	NA	25.7	NA	26.1	95.7	29.1	92.7	25.5
Missouri	81.3	13.2	78.5	15.6	83.3	15.6	63.2	7.3
Montana	71.9	NA	74.2	NA	75.6	2.3	59.5	NA
Nebraska	62.9	16.6	59.4	13.5	64.6	19.4	53.7	10.1
Nevada	74.1	19.5	83.3	42.2	68.5	24.0	69.3	12.1
New Hampshire	NA	NA	78.4	NA	87.3	11.3	61.4	7.5
New Jersey	52.6	22.7	48.5	19.7	60.5	23.3	37.6	18.8
New Mexico	67.9	7.9	66.1	11.9	68.0	17.6	61.5	15.4
New York	100.0	NA	100.0	10.2	47.4	11.8	100.0	NA
North Carolina	92.5	34.3	90.3	35.8	95.6	34.2	87.5	32.2
North Dakota	93.1	41.3	NA	12.1	89.7	8.7	88.5	12.8
Ohio	100.0	3.1	100.0	2.1	43.5	7.5	100.0	1.3
Oklahoma	72.4	3.1	NA	3.3	72.5	3.8	54.6	1.4
Oregon	98.3	14.7	95.0	15.3	99.7	21.4	97.7	15.6
Pennsylvania	100.0	7.3	100.0	5.3	64.7	10.8	100.0	7.3
Rhode Island	NA	18.1	52.8	62.8	61.2	30.0	NA	18.8
South Carolina	96.8	80.7	98.0	83.2	98.2	82.4	96.4	79.1
South Dakota	82.9	NA	NA	42.3	84.8	44.2	67.4	NA
Tennessee	89.7	26.9	88.1	22.6	94.3	36.7	80.0	30.5
Texas	88.6	45.9	82.0	40.8	83.5	28.4	92.4	49.2
Utah	86.0	13.7	83.7	13.6	84.9	10.3	71.6	12.7
Vermont	100.0	81.0	100.0	75.9	100.0	75.5	100.0	67.2
Virginia	NA	NA	60.8	14.1	68.5	18.7	44.5	15.9
Washington	NA	NA	87.1	27.1	93.5	34.1	NA	NA
West Virginia	NA	NA	55.6	6.9	73.0	8.0	NA	NA
Wisconsin	77.6	19.0	73.6	18.9	77.1	19.9	65.2	10.9
Wyoming	50.0	1.9	84.2	1.7	88.3	2.8	48.9	1.4
Total	78.0	22.0	76.9	20.1	66.9	19.6	70.8	23.3

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	2003							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	75.9	16.0	75.0	14.3	70.0	13.9	73.4	14.6
Alaska	70.3	75.7	67.5	76.7	58.5	76.1	56.8	87.4
Arizona	90.3	35.0	91.7	33.1	91.6	33.5	90.6	34.1
Arkansas	73.6	4.5	72.0	3.8	75.9	4.0	79.9	4.6
California	59.5	4.4	66.9	5.1	67.3	5.6	64.7	6.5
Colorado	99.9	1.1	99.8	0.5	99.4	0.5	99.7	0.7
Connecticut	70.4	45.4	67.1	47.7	64.8	48.9	66.8	51.0
Delaware	76.3	13.6	80.4	11.1	83.6	18.2	86.4	20.4
District of Columbia	18.8	—	26.9	—	29.0	—	29.3	—
Florida	32.2	NA	32.8	2.0	34.4	1.9	34.8	2.2
Georgia	100.0	6.4	100.0	7.2	100.0	7.4	100.0	7.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	80.2	2.0	82.5	1.6	85.4	1.7	85.8	1.8
Illinois	33.5	5.3	34.4	6.3	31.9	7.3	41.2	8.4
Indiana	65.3	5.6	68.4	5.3	72.4	6.3	75.2	6.5
Iowa	71.6	4.5	72.7	5.0	71.7	4.3	76.1	5.6
Kansas	44.2	6.5	54.1	3.6	54.6	5.3	59.3	3.6
Kentucky	71.0	14.3	72.6	17.6	70.8	16.6	60.0	18.4
Louisiana	99.1	12.5	98.9	15.8	99.0	16.0	98.1	15.9
Maine	47.0	6.6	61.0	7.9	50.2	10.3	71.7	9.0
Maryland	100.0	NA	100.0	6.2	100.0	6.7	100.0	8.6
Massachusetts	60.0	13.5	30.9	29.6	62.8	23.7	54.1	33.4
Michigan	45.4	6.2	50.2	5.8	59.7	8.7	65.5	11.7
Minnesota	78.8	34.2	90.5	39.1	81.3	39.0	87.5	36.1
Mississippi	93.6	27.2	93.8	27.1	93.7	22.6	94.5	24.8
Missouri	73.7	10.5	69.9	10.6	74.6	10.2	79.8	11.5
Montana	59.6	1.0	58.3	3.6	64.0	1.8	65.3	2.1
Nebraska	63.9	9.0	55.0	24.9	54.6	17.1	58.2	13.4
Nevada	65.3	13.8	68.6	13.4	70.0	15.0	74.1	23.1
New Hampshire	60.0	8.0	44.4	10.7	73.8	8.3	81.9	13.5
New Jersey	26.6	16.7	42.2	18.9	26.3	20.9	60.5	28.8
New Mexico	61.8	11.4	59.3	8.7	58.5	9.3	65.4	7.5
New York	100.0	9.3	100.0	12.8	100.0	12.3	100.0	11.4
North Carolina	89.4	32.6	93.2	30.1	89.5	30.5	90.9	25.5
North Dakota	85.8	28.7	81.5	48.5	88.0	45.9	65.9	45.4
Ohio	100.0	1.3	100.0	1.6	100.0	1.3	100.0	3.0
Oklahoma	54.7	2.3	62.6	3.1	62.4	1.5	66.2	2.5
Oregon	97.8	15.5	97.6	16.1	98.0	16.1	98.2	13.1
Pennsylvania	100.0	5.4	100.0	5.5	100.0	5.8	100.0	7.4
Rhode Island	NA	R ^a 21.4	63.5	11.7	76.0	26.7	71.4	19.6
South Carolina	96.4	80.5	96.7	83.2	96.6	82.5	95.6	80.1
South Dakota	72.4	24.7	76.6	22.4	81.8	23.9	80.5	26.0
Tennessee	80.3	28.9	82.4	24.7	85.5	25.9	88.3	27.4
Texas	78.8	55.4	R ^a 88.6	41.0	R ^a 88.1	43.1	R ^a 86.2	42.6
Utah	72.6	11.9	78.7	13.2	80.9	14.1	87.5	14.9
Vermont	100.0	74.5	100.0	71.9	100.0	79.2	100.0	75.3
Virginia	45.9	10.5	56.3	6.9	55.6	10.0	57.8	19.6
Washington	NA	NA	R ^a 83.8	13.6	85.9	18.5	88.6	19.5
West Virginia	NA	NA	48.0	14.8	NA	13.6	NA	14.7
Wisconsin	65.4	9.9	70.1	10.8	73.0	14.2	79.4	17.6
Wyoming	44.2	1.5	52.9	1.5	53.0	1.5	46.5	1.8
Total	70.7	25.4	R^a72.8	19.9	R^a73.6	20.4	R^a76.8	21.1

See footnotes at end of table.

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

State	2003						2002	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.6	16.8	83.5	15.2	80.3	NA	75.9	16.9
Alaska	53.5	89.6	52.9	99.1	57.9	98.6	63.2	90.5
Arizona	91.2	33.8	91.3	35.7	93.1	34.3	91.6	NA
Arkansas	85.5	5.8	86.4	6.0	86.7	5.4	80.9	4.8
California	64.4	5.5	NA	8.0	NA	3.7	67.4	5.2
Colorado	99.8	0.2	99.9	—	99.9	NA	NA	NA
Connecticut	66.9	52.8	65.6	47.4	69.3	51.1	NA	NA
Delaware	90.0	13.8	91.2	13.8	NA	9.9	82.7	NA
District of Columbia	42.8	—	38.7	—	NA	—	23.3	—
Florida	37.4	2.4	40.2	NA	43.5	NA	39.9	R1.5
Georgia	100.0	7.0	100.0	6.5	100.0	5.2	100.0	5.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	88.3	2.1	87.6	2.5	87.9	2.2	79.2	NA
Illinois	47.4	11.9	46.5	12.3	45.5	12.4	R39.8	NA
Indiana	81.5	8.0	81.9	12.0	85.1	13.0	R76.7	7.6
Iowa	79.8	7.7	NA	7.4	81.1	8.6	80.0	6.7
Kansas	65.8	2.0	63.3	2.1	60.3	1.3	57.7	6.2
Kentucky	71.3	17.5	81.4	17.3	80.6	17.8	77.0	15.6
Louisiana	NA	15.3	NA	17.7	97.6	13.9	66.6	11.0
Maine	74.7	9.8	79.7	R10.4	93.8	R9.4	NA	NA
Maryland	100.0	10.8	100.0	12.6	100.0	9.3	100.0	NA
Massachusetts	63.2	37.5	68.7	47.0	73.6	NA	R49.1	20.7
Michigan	66.3	14.8	68.2	14.3	68.0	15.1	63.6	NA
Minnesota	99.1	38.7	95.6	42.2	94.7	43.2	NA	NA
Mississippi	NA	27.1	NA	28.9	95.8	23.1	NA	25.6
Missouri	85.6	16.2	85.5	18.0	83.0	15.7	76.8	14.3
Montana	75.3	3.3	74.0	2.8	84.3	4.2	75.3	NA
Nebraska	64.6	24.6	66.5	22.6	67.2	21.5	61.3	13.3
Nevada	75.5	20.6	80.1	29.2	78.4	25.9	78.9	35.9
New Hampshire	85.0	15.5	NA	NA	NA	NA	74.1	NA
New Jersey	61.5	28.0	59.5	24.9	58.0	22.8	47.3	20.0
New Mexico	70.7	5.5	72.0	4.2	73.0	3.8	66.6	11.9
New York	100.0	11.3	100.0	NA	100.0	13.0	100.0	R9.9
North Carolina	95.4	43.0	93.5	40.5	92.9	36.1	90.1	37.4
North Dakota	97.1	38.5	98.2	34.3	97.2	53.2	NA	13.4
Ohio	100.0	4.1	100.0	5.2	100.0	4.7	100.0	2.2
Oklahoma	76.3	6.4	77.1	4.2	79.1	3.5	NA	3.0
Oregon	98.5	13.8	98.5	14.2	98.6	13.7	95.9	14.1
Pennsylvania	100.0	8.8	100.0	8.5	100.0	8.6	100.0	6.0
Rhode Island	77.2	21.5	74.2	19.0	71.1	10.8	51.8	67.0
South Carolina	96.8	77.7	97.4	81.2	97.2	81.3	98.3	82.7
South Dakota	85.9	NA	83.4	NA	86.6	NA	NA	52.1
Tennessee	92.4	30.1	93.5	23.8	91.7	25.3	87.0	22.4
Texas	R89.1	41.8	R89.7	42.0	R90.9	47.8	NA	41.4
Utah	88.5	13.1	89.5	14.6	89.1	14.6	84.4	13.7
Vermont	100.0	100.0	100.0	100.0	100.0	87.0	100.0	76.5
Virginia	64.5	13.0	NA	NA	71.4	20.7	62.2	NA
Washington	89.7	25.5	89.7	26.9	89.5	25.4	87.2	27.0
West Virginia	NA	NA	73.3	11.9	72.6	14.4	58.1	6.8
Wisconsin	78.9	24.4	79.6	25.7	79.7	25.4	72.2	19.7
Wyoming	51.0	R2.2	52.6	2.9	48.4	2.0	72.4	1.6
Total	R80.2	21.2	R79.8	21.7	R82.1	22.4	R76.8	R20.1

See footnotes at end of table.

Table 25

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

State	2002							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	78.1	18.5	69.0	19.1	68.1	16.8	71.3	15.6
Alaska	71.2	99.6	69.5	96.4	66.5	99.4	58.3	87.3
Arizona	90.7	33.5	89.9	NA	88.6	38.5	89.0	40.6
Arkansas	82.6	4.7	79.4	4.6	71.4	4.8	73.5	3.6
California	72.1	5.4	67.6	4.8	68.3	5.1	66.6	4.5
Colorado	99.3	NA	99.5	NA	99.6	NA	99.7	NA
Connecticut	72.9	49.5	74.9	43.2	67.7	48.7	73.7	52.8
Delaware	86.7	NA	82.3	NA	70.1	NA	70.2	NA
District of Columbia	27.2	—	28.2	—	24.1	—	17.4	—
Florida	39.5	1.8	36.4	1.5	36.8	1.4	35.2	1.5
Georgia	100.0	5.5	100.0	5.5	100.0	5.1	100.0	5.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.4	2.2	84.9	1.3	75.8	1.5	78.9	1.3
Illinois	45.4	12.0	40.7	10.2	38.2	9.0	29.2	6.2
Indiana	84.4	11.1	77.4	11.3	72.7	11.2	64.1	5.9
Iowa	82.9	9.0	88.8	11.3	89.4	9.2	51.8	4.8
Kansas	58.1	2.4	54.3	2.4	40.2	3.2	50.5	6.8
Kentucky	78.6	16.3	77.3	16.6	72.0	15.9	68.7	14.4
Louisiana	66.5	14.7	51.6	13.2	52.6	12.6	49.5	12.7
Maine	NA	100.0	NA	100.0	NA	100.0	25.2	100.0
Maryland	100.0	11.9	100.0	NA	100.0	5.3	100.0	4.3
Massachusetts	58.9	28.1	54.9	20.8	44.2	12.9	38.1	9.7
Michigan	64.8	17.2	61.5	10.7	53.5	6.5	42.7	4.2
Minnesota	93.2	42.2	95.9	37.8	94.1	50.2	77.0	32.7
Mississippi	96.9	24.9	NA	26.0	93.3	23.6	93.7	23.9
Missouri	80.1	16.9	74.8	12.3	56.7	8.0	68.3	9.7
Montana	81.9	NA	77.1	2.2	76.9	1.2	67.1	0.8
Nebraska	65.7	16.7	69.1	16.1	66.4	13.9	59.2	7.4
Nevada	72.9	30.3	68.8	24.4	65.9	22.4	65.9	20.7
New Hampshire	87.5	NA	49.6	91.9	54.1	NA	58.4	36.8
New Jersey	53.5	25.1	52.0	21.3	34.9	17.8	23.1	17.3
New Mexico	71.8	11.9	74.7	10.8	62.4	11.1	47.4	14.4
New York	100.0	10.1	100.0	8.5	100.0	7.0	100.0	12.2
North Carolina	92.7	37.2	88.6	38.3	87.1	43.3	86.2	44.5
North Dakota	93.4	19.0	93.4	20.5	90.7	16.8	86.8	9.9
Ohio	100.0	3.8	100.0	2.8	100.0	1.3	100.0	1.4
Oklahoma	73.8	3.4	68.3	2.6	51.7	1.2	49.7	2.3
Oregon	98.6	12.5	98.2	12.3	97.8	10.8	97.6	10.5
Pennsylvania	100.0	9.4	100.0	6.7	100.0	6.2	100.0	5.9
Rhode Island	56.5	58.7	48.9	96.8	37.3	63.3	45.6	65.6
South Carolina	98.6	76.5	98.0	78.4	100.0	86.3	99.5	86.2
South Dakota	83.9	70.9	79.7	66.7	84.0	63.4	69.8	52.4
Tennessee	90.1	24.1	83.3	20.6	77.6	21.7	75.2	20.5
Texas	79.8	43.0	NA	42.0	73.5	41.8	73.3	44.6
Utah	88.6	13.7	87.0	15.1	83.4	12.8	76.8	13.6
Vermont	100.0	86.6	100.0	77.9	100.0	74.5	100.0	68.9
Virginia	70.9	25.5	65.7	NA	57.8	NA	50.1	13.3
Washington	89.9	26.5	89.3	31.1	84.4	25.0	80.3	24.2
West Virginia	70.5	5.5	56.3	7.0	86.0	5.6	34.4	8.7
Wisconsin	77.6	26.6	71.7	22.6	62.4	19.0	47.0	13.3
Wyoming	46.8	1.4	49.7	1.2	55.7	1.7	51.8	1.5
Total	79.6	R20.8	R78.2	R19.6	R73.0	R19.4	68.8	R20.1

See footnotes at end of table.

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

State	2002							
	August		July		June		May	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	70.5	16.8	70.5	16.2	72.2	15.2	72.0	14.2
Alaska	60.6	78.7	57.4	79.3	70.7	79.4	47.6	81.3
Arizona	88.1	38.4	89.2	39.9	89.6	45.9	90.3	45.6
Arkansas	74.0	3.6	61.2	5.0	74.8	3.7	70.0	4.0
California	61.8	4.6	61.8	4.4	64.2	4.6	64.5	6.4
Colorado	99.9	NA	99.7	NA	99.5	NA	99.6	NA
Connecticut	78.4	44.0	77.1	33.8	73.8	46.2	71.2	48.8
Delaware	66.3	6.9	71.2	8.0	74.4	11.1	79.1	15.8
District of Columbia	18.0	—	17.6	—	19.9	—	20.8	—
Florida	35.9	1.4	36.2	1.3	38.2	1.7	39.2	1.4
Georgia	100.0	5.0	100.0	4.9	100.0	5.4	100.0	5.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	81.0	NA	79.5	NA	76.2	1.9	79.0	0.9
Illinois	28.0	5.1	28.7	NA	27.3	6.8	34.6	7.2
Indiana	865.3	5.5	62.0	4.7	68.6	5.5	81.5	4.7
Iowa	65.5	4.5	64.3	4.7	67.3	4.7	77.1	4.3
Kansas	48.2	11.1	46.3	13.8	51.1	9.5	53.6	7.3
Kentucky	71.8	16.9	68.9	15.9	71.3	14.5	71.5	13.7
Louisiana	60.5	7.7	60.9	11.0	78.2	13.4	96.7	10.0
Maine	40.6	100.0	NA	100.0	37.8	100.0	NA	100.0
Maryland	100.0	5.8	100.0	4.5	100.0	6.0	100.0	5.8
Massachusetts	33.5	11.8	40.3	18.4	34.3	16.5	39.1	21.1
Michigan	43.1	5.2	45.1	NA	54.5	5.6	58.1	8.0
Minnesota	NA	NA	82.8	NA	86.4	23.6	91.8	41.5
Mississippi	NA	25.4	96.6	23.8	96.0	25.9	95.8	23.6
Missouri	65.8	8.8	67.5	8.3	70.1	8.8	53.9	9.1
Montana	69.7	0.7	66.8	0.9	66.0	1.3	69.8	2.1
Nebraska	63.0	7.0	61.0	6.2	51.2	20.6	50.1	12.7
Nevada	63.1	19.3	63.4	18.6	84.5	41.8	84.5	46.0
New Hampshire	85.0	NA	54.6	NA	77.4	51.9	78.1	38.7
New Jersey	27.1	16.3	29.1	16.7	36.9	17.6	29.3	18.0
New Mexico	59.7	19.5	60.0	17.4	61.4	16.6	50.5	14.9
New York	100.0	89.4	100.0	85.5	100.0	89.9	100.0	89.8
North Carolina	84.6	37.1	86.6	44.4	89.1	43.3	87.0	44.5
North Dakota	NA	7.7	80.6	7.7	81.8	7.3	52.1	10.9
Ohio	100.0	1.2	100.0	0.9	100.0	1.0	100.0	1.1
Oklahoma	51.2	2.5	56.3	1.4	59.0	1.8	58.6	2.2
Oregon	97.5	8.7	97.4	9.8	97.9	10.8	98.4	12.3
Pennsylvania	100.0	4.1	100.0	3.9	100.0	4.5	100.0	4.7
Rhode Island	37.2	67.6	36.3	61.9	48.9	82.2	49.4	55.4
South Carolina	94.3	78.4	99.0	86.6	98.6	82.4	100.0	86.4
South Dakota	73.1	30.9	68.7	32.3	74.0	35.3	80.0	42.8
Tennessee	73.2	19.1	73.2	19.5	79.7	20.0	85.1	22.6
Texas	76.7	44.7	79.0	47.7	79.7	48.3	79.7	43.6
Utah	69.8	13.6	69.4	12.1	73.3	13.4	72.9	13.1
Vermont	100.0	67.3	100.0	68.8	100.0	68.9	100.0	74.5
Virginia	53.3	11.1	52.2	10.8	51.6	9.8	58.7	14.2
Washington	80.7	20.3	83.1	27.0	90.4	24.0	92.4	29.5
West Virginia	31.7	7.0	26.6	7.9	33.0	6.5	39.5	6.7
Wisconsin	49.3	14.5	51.4	11.1	60.2	13.3	69.1	16.9
Wyoming	60.7	1.5	30.5	1.4	91.7	1.3	96.1	2.0
Total	870.1	19.6	70.9	21.0	72.5	23.0	72.3	21.1

See footnotes at end of table.

Table 25

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

State	2002							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	78.1	15.7	81.8	17.7	80.9	17.5	76.0	19.0
Alaska	61.6	99.4	61.5	99.2	58.9	99.2	59.8	99.3
Arizona	92.1	51.3	93.2	NA	94.6	55.2	95.7	56.1
Arkansas	83.0	4.8	86.4	6.2	88.9	5.8	87.5	5.8
California	68.0	4.9	72.1	5.9	69.0	6.3	69.2	5.3
Colorado	NA	NA	99.5	NA	99.2	NA	88.6	NA
Connecticut	61.2	NA	85.2	NA	NA	NA	72.0	42.5
Delaware	83.8	12.5	86.6	14.8	87.2	14.1	88.5	12.6
District of Columbia	21.6	—	22.6	—	23.8	—	23.8	—
Florida	40.4	1.4	43.7	1.6	44.6	1.8	47.7	1.6
Georgia	100.0	5.5	100.0	6.1	100.0	5.9	100.0	5.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	73.2	2.4	75.6	2.6	78.6	2.8	79.9	2.6
Illinois	37.9	9.8	44.8	10.6	43.1	10.7	41.3	10.7
Indiana	75.9	5.7	78.9	9.0	76.2	7.2	76.9	7.5
Iowa	83.2	5.3	80.7	7.2	82.4	4.6	79.6	7.5
Kansas	62.7	7.3	63.1	3.7	64.0	2.9	60.9	2.8
Kentucky	78.3	15.2	74.3	16.7	81.5	16.1	81.9	14.8
Louisiana	78.7	9.4	72.7	8.6	71.4	9.1	68.6	8.5
Maine	NA	100.0	50.2	100.0	53.3	NA	57.4	100.0
Maryland	100.0	5.3	100.0	13.0	100.0	11.3	100.0	10.3
Massachusetts	46.7	24.5	56.4	23.7	50.2	28.7	61.0	28.4
Michigan	65.5	11.1	76.1	13.7	68.7	12.9	68.5	14.0
Minnesota	84.2	30.7	NA	36.1	90.8	16.0	93.2	21.3
Mississippi	95.0	26.7	97.2	27.1	97.4	29.4	97.2	27.2
Missouri	82.2	14.1	85.8	24.4	80.4	24.4	84.5	19.6
Montana	73.2	NA	81.8	3.7	73.6	3.0	74.6	3.1
Nebraska	51.5	15.0	58.7	25.4	57.5	16.6	75.0	19.4
Nevada	86.0	39.6	87.3	60.8	88.7	46.1	88.0	60.0
New Hampshire	80.4	NA	85.4	NA	73.6	NA	83.4	32.1
New Jersey	49.7	20.7	58.5	22.6	55.3	21.4	59.7	22.7
New Mexico	54.0	11.9	63.7	8.8	75.9	4.9	76.7	4.3
New York	100.0	10.1	100.0	10.1	100.0	10.9	100.0	11.0
North Carolina	89.7	39.3	90.6	27.1	91.6	25.1	92.7	29.9
North Dakota	91.9	14.8	NA	18.1	92.8	15.4	93.3	14.4
Ohio	100.0	2.7	100.0	3.1	100.0	3.5	100.0	3.0
Oklahoma	70.9	3.1	77.8	4.6	74.5	5.4	NA	4.9
Oregon	98.5	18.9	98.9	19.9	98.9	20.4	83.7	18.5
Pennsylvania	100.0	4.8	100.0	5.7	100.0	6.8	100.0	7.2
Rhode Island	55.9	67.9	56.9	62.9	59.8	48.3	52.6	53.4
South Carolina	99.7	83.6	97.0	79.8	97.2	82.7	98.4	85.7
South Dakota	85.3	50.6	89.3	40.9	85.3	50.0	NA	46.3
Tennessee	91.4	21.2	91.9	28.7	93.7	24.4	88.5	24.2
Texas	78.4	48.9	83.9	30.0	87.9	31.2	83.2	29.3
Utah	78.5	15.8	90.3	12.7	87.1	13.9	87.3	14.0
Vermont	100.0	79.8	100.0	80.2	100.0	79.9	100.0	79.3
Virginia	58.9	14.2	61.8	18.5	66.0	19.8	64.4	16.7
Washington	92.5	32.2	93.5	28.9	93.6	28.1	73.2	25.4
West Virginia	60.8	8.1	63.0	6.2	66.2	6.7	65.9	6.4
Wisconsin	74.9	19.2	78.9	23.6	78.5	21.5	78.4	23.2
Wyoming	92.1	1.6	89.4	1.9	93.4	2.0	80.2	1.8
Total	R76.3	R23.3	R80.7	R17.8	79.9	R18.0	R78.9	R17.5

^R Revised Data.

NA Not Available.

— Not Applicable.

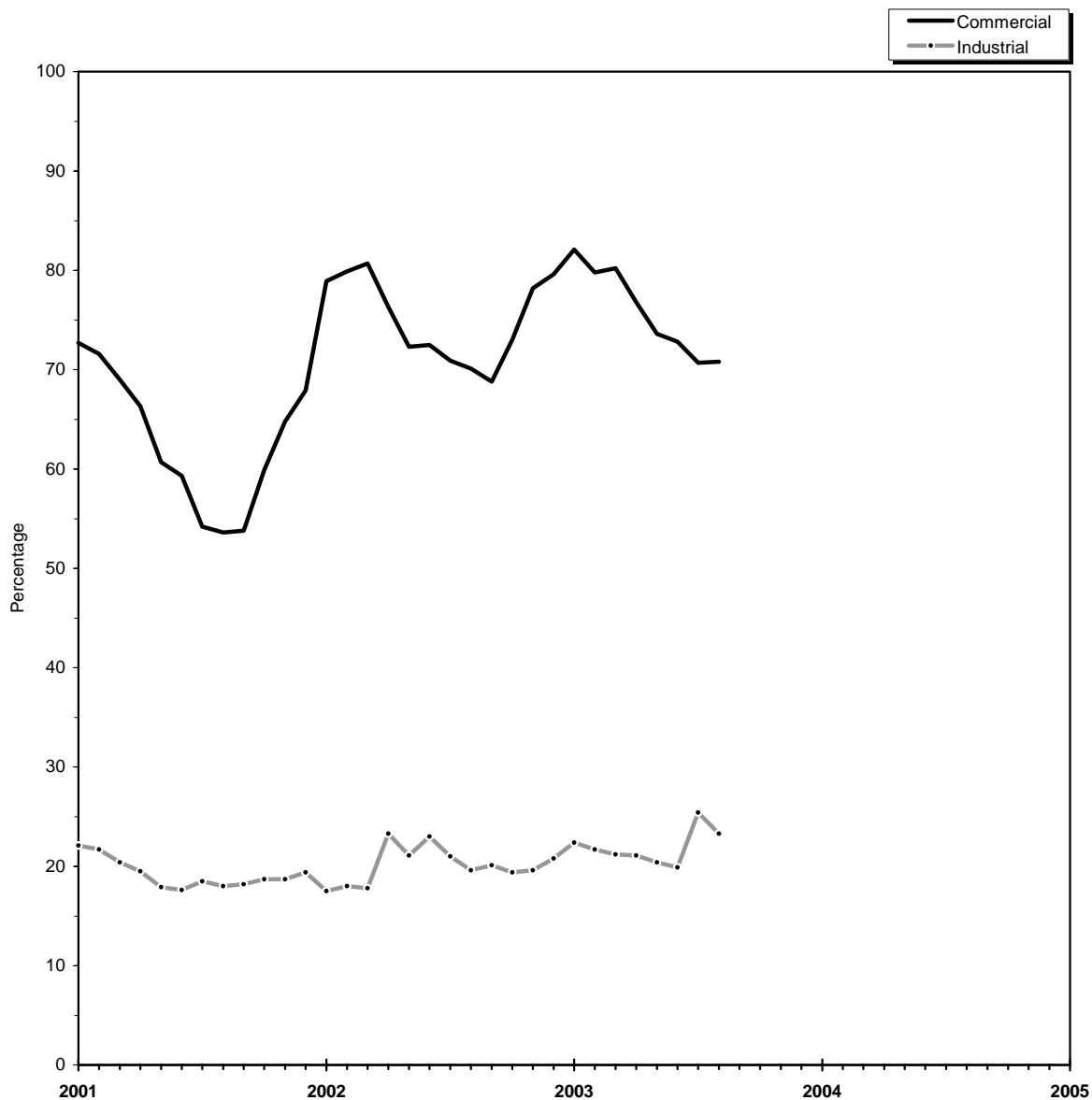
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors.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

commercial and industrial price data which are based on sales data only except in the States of Georgia, Maryland, New York, Ohio and Pennsylvania. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

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

Figure 6

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



Source: Table 25.

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in understanding the monthly data. Table A1 lists the methodologies for deriving the data to be published for the most recent months shown in Tables 1-3. The following explanatory notes describe sources for all NGM tables.

Note 1. Production

Annual Data

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

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

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Derived from the Short-Term Energy Outlook
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from supply estimates and coal gasification information
Imports	Estimated from National Energy Board of Canada information and liquefied natural gas information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from industry trends and liquefied natural gas information
Current-Month Consumption	Reported on Form EIA-857, Form EIA-906, and other sources below.
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Deliveries to Consumers
Residential	Estimated from sample data reported on Form EIA-857
Commercial	Estimated from sample data reported on Form EIA-857
Industrial	Estimated from sample data reported on Form EIA-857
Electric Power	Estimated from sample data reported on Form EIA-906
Vehicle Fuel	Derived from annual estimates provided by the Coal, Nuclear and Renewable Fuels Division of EIA

gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production from the federal waters of the Gulf of Mexico.

Monthly Data

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

All monthly data are considered preliminary until after publication of the *Natural Gas Annual (NGA)* for the year in which the report month falls. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated. Final monthly data are the sums of monthly data reported on the Form EIA-895 annual schedule.

Note 2. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production—carbon dioxide, helium, hydrogen sulfide, and nitrogen are reported by State agencies on Form EIA-895. Ten of the 32 producing States reported data on nonhydrocarbon gases removed during 2001. These 10 States accounted for 59 percent of total 2001 gross withdrawals. The State of Missouri has reported zero gross withdrawals since 1997.

Monthly Data

All monthly data are considered preliminary until after publication of the NGA for the year in which the

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

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

Note 3. Extraction Loss

Annual Data

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

Monthly Data

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

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

Note 4. Supplemental Gaseous Fuels

Annual Data

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

Monthly Data

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

Monthly data are revised after publication of the NGA. Final monthly data are estimated based on the

revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This revised ratio is applied to the revised monthly sum of these three supply elements to compute final monthly data.

Note 5. Imports and Exports

Annual Data and Final Monthly Data

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

Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the NGA.

Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports", informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of the NGA.

Note 6. Natural Gas Storage

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

Annual Data

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

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

Monthly Data

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

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

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

Note 7. Consumption

Annual Data

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

Monthly Data

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

Residential, Commercial, and Industrial Sector Consumption

Preliminary estimates of monthly deliveries of natural gas to residential, commercial, and industrial consumers in 50 States are based on data reported on Form EIA-857 "Monthly Report of Natural Gas Purchases and Deliveries." See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures. Monthly data for a given year are revised after the publication of the NGA to correct for any sampling error. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to

each month in proportion to monthly volumes reported in Form EIA-857.

Vehicle Fuel Use

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

Electric Power Sector Consumption

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

Pipeline Fuel Consumption

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

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

Lease and Plant Fuel Consumption

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

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

Note 8. Balancing Item

The balancing item category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to data reporting problems or to issues in survey coverage. Preliminary monthly data in the balancing item category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total disposition. The balancing item may reflect problems in any of the surveys comprising natural gas supply or disposition.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents. Survey coverage problems include incomplete survey frames or problems in sampling design.

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

Note 9. Average Price of Deliveries to Consumers

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

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

Note 10. Average Wellhead Price

Annual Data

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

Monthly Data

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

Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through 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:

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

Appendix C

where:

C_{ij} = 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 determine 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:

$$E_{vj} = \frac{\gamma_{.j}}{\gamma_{.i}} \quad (3)$$

where:

γ_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:

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

where:

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

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

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales 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:

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

where:

F_t = imputed gas volume for current month t ,

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

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

y_{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:

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

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:

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

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:

$$V(\hat{\gamma}) = \sum_{h=1}^H N_h^2 \frac{\left(1 - \frac{n_h}{N_h}\right)}{n_h(n_h-1)} \left(\sum_{i=1}^{n_h} (y_i - Tx_j)^2 \right) \quad (10)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company I

x_i = the reported annual volume for company i

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

Appendix C

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

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	611	209	1,230	1,389	NA	NA	0.41
Alaska	0	0	0	0	—	—	—
Arizona	6	22	0	23	0.36	0.13	—
Arkansas	1	NA	NA	NA	0.02	0.01	0.02
California	259	95	7,031	7,037	0.09	0.07	1.12
Colorado	0	0	0	0	—	—	—
Connecticut	0	0	0	0	NA	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	44	NA	1,059	NA	2.94	0.54	NA
Georgia	669	262	1,269	1,458	2.92	NA	0.76
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	136	59	217	263	0.10	0.20	0.07
Indiana	95	65	198	229	0.95	0.11	1.55
Iowa	13	23	15	30	0.05	0.08	0.50
Kansas	NA	NA	NA	NA	NA	NA	NA
Kentucky	140	359	132	407	1.84	NA	NA
Louisiana	NA	27	7,403	NA	NA	0.16	0.03
Maine	0	0	0	0	—	—	—
Maryland	5	20	NA	NA	0.03	0.06	NA
Massachusetts	NA	0	NA	NA	NA	—	—
Michigan	0	0	0	0	—	—	—
Minnesota	73	42	578	584	0.24	0.13	0.14
Mississippi	0	0	0	0	—	—	—
Missouri	18	46	492	494	0.10	0.02	0.29
Montana	4	6	0	8	0.03	—	—
Nebraska	0	0	0	0	—	—	—
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	42	217	362	423	0.73	0.33	2.64
New York	57	454	NA	NA	0.64	0.06	NA
North Carolina	0	0	0	0	—	—	—
North Dakota	0	0	0	0	—	—	—
Ohio	24	872	7,657	7,707	0.23	NA	NA
Oklahoma	27	41	293	297	0.44	0.58	1.03
Oregon	0	0	0	0	—	—	—
Pennsylvania	17	202	647	678	0.08	0.13	NA
Rhode Island	0	0	0	0	—	—	—
South Carolina	17	29	155	159	0.52	0.13	0.12
South Dakota	0	0	0	0	—	—	—
Tennessee	129	758	1,814	1,970	1.23	NA	NA
Texas	801	11,057	35,936	37,607	0.60	1.94	0.10
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	11	329	215	393	0.21	0.12	0.26
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	NA	NA	NA	NA	NA	NA
Wisconsin	166	526	545	776	1.06	0.23	0.02
Wyoming	3	58	77	97	1.45	0.83	0.85
Total	1,286	11,269	38,284	39,929	0.19	0.82	0.97

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 Imports 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
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202) 586-6077
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.

Glossary

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 Abed@ or "dome" formation.

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

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

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

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

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

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.