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Natural Gas Monthly
August 2001

Energy Information Administration
Office of Oil and Gas
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This report is available on the WEB at:

Http://www.eia.doe.gov/oil_gas/natural gas /data_publications/natural_gas_monthly/ngm.html

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		
Natural Gas Weekly Update	PDF	Analysis of current price, supply and storage data
Natural Gas Monthly	PDF	Monthly supply, disposition, and price data
Natural Gas Annual	PDF	Annual supply, disposition, and price data
Historical Natural Gas Annual	PDF	Historical annual supply, disposition, and price data from 1930 - 1999
Issues and Trends	PDF	Comprehensive analysis of growth and change in the natural gas industry
U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves	PDF	Proved reserves in the United States
Oil and Gas Field Code Master List	PDF	Listing of U.S. oil and gas field names
Databases		
Monthly Data	TXT	Tables 1-6, and 9 from the *Natural Gas Monthly*
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the *Natural Gas Annual*
Historical Annual Data	TXT	Tables from the *Historical Natural Gas Annual*
Field Codes	EXE	Oil & Gas Field Code Master List
Applications		
EIA-176 Query System	EXE	Company filings to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"
EIAGIS	EXE	Periodic updates for users of the EIAGIS-NG Geographic Information System

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Margaret Natof (202) 586-6303. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

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	United States Minerals Management Service, U.S. Department of the Interior
DOI	U.S. Department of the Interior	OCS	Outer Continental Shelf
EIA	Energy Information Administration, U.S. Department of Energy	STIFS	Short-Term Integrated Forecasting System
FERC	Federal Energy Regulatory Commission	STEO	Short Term Energy Outlook
IOGCC	Interstate Oil and Gas Compact Commission	Tcf	Trillion Cubic Feet
LNG	Liquefied Natural Gas		

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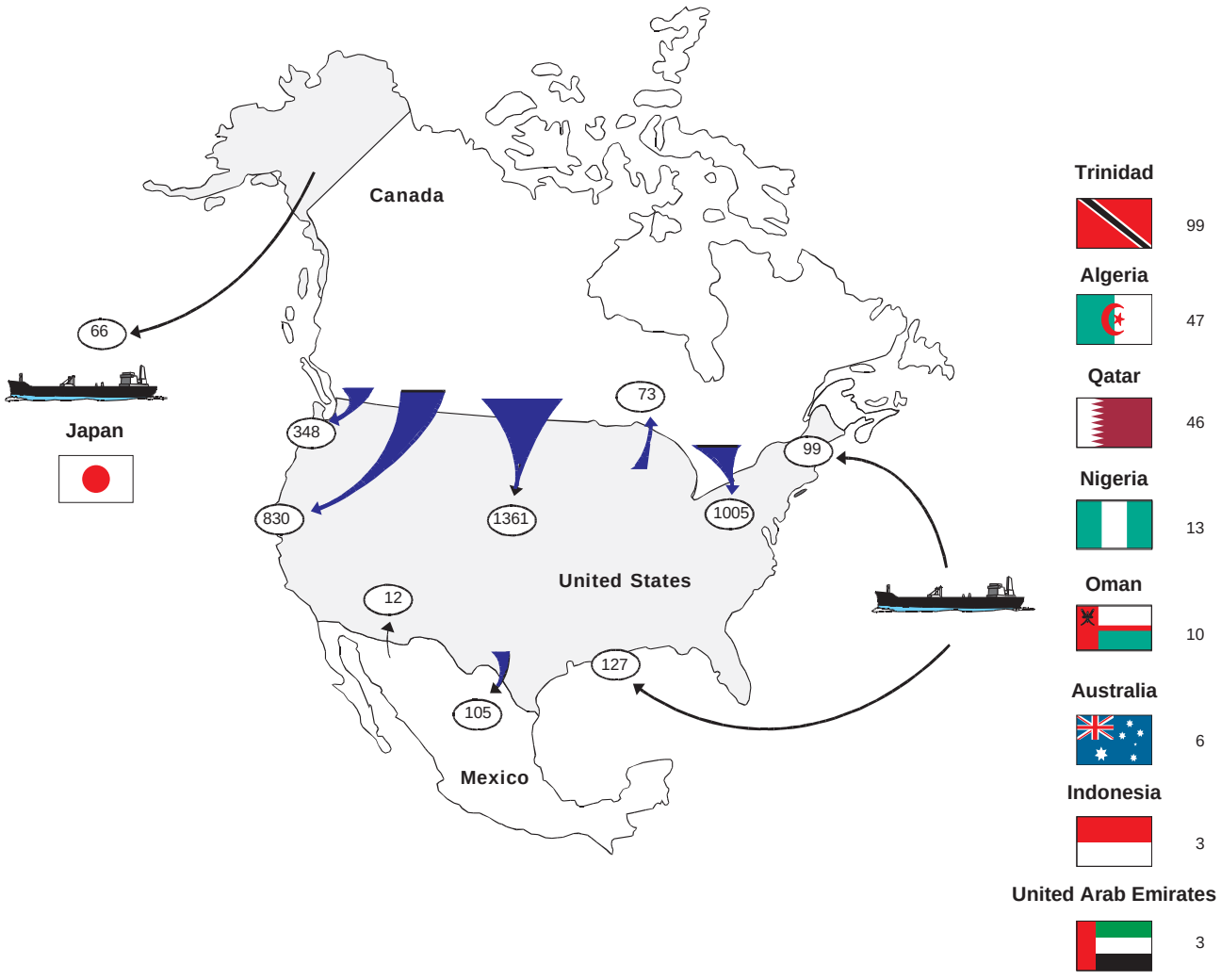
U.S. Natural Gas Imports and Exports — 2000

By James Todaro

Natural gas imports and exports continued to play a significant part in the U.S. natural gas market in the year 2000. Trade with North American neighbors, Canada and Mexico, dominated both import and export activities. In addition, imports of liquefied natural gas (LNG) from several international suppliers increased significantly. Some of the highlights from last year were:

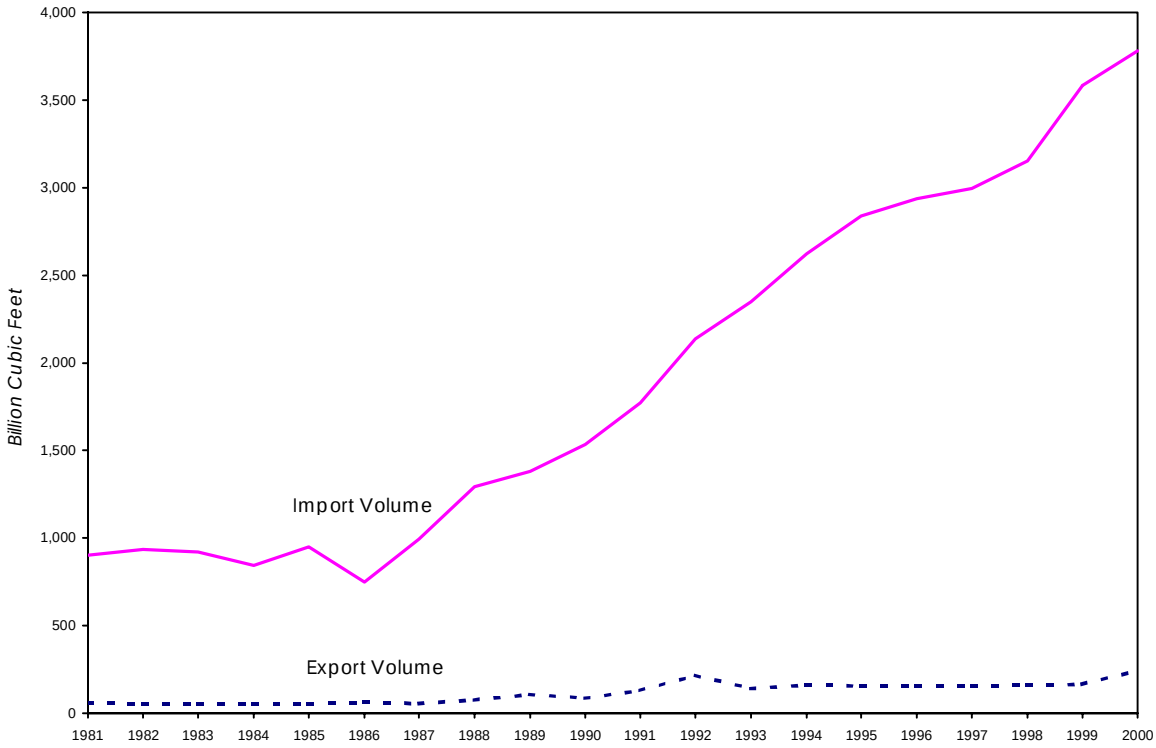
- Net imports moved up to 3,538 billion cubic feet (Bcf) - an increase of 3.4 percent from 1999.
- U.S. exports increased by 49 percent to 244 Bcf.
- The price of natural gas imports rose sharply in 2000 to an average of $3.95 per thousand cubic feet (Mcf) for the year or more than 76 percent greater than the 1999 average of $2.24 per Mcf.
- For the first time since 1980, the average annual price of imported LNG was lower than the price of imported gas delivered by pipeline, $3.50 vs.

Figure SR1. Flow of U.S. Natural Gas Imports and Exports, 2000 (Billion Cubic Feet)



Source: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

Figure SR2. Total U.S. Natural Gas Imports and Exports, 1981-2000



Sources: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

$3.98 per Mcf ($3.20 vs. $3.90 per million Btu).

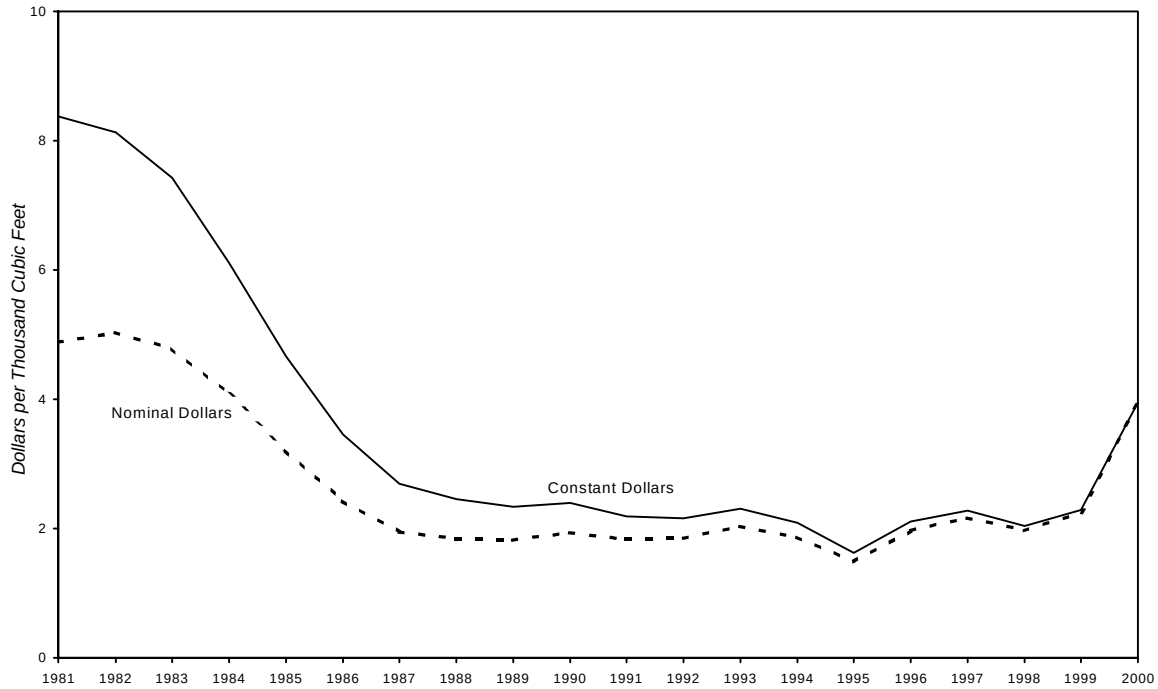
Trade with Canada

Natural gas imports from Canada reached 3,544 Bcf, an increase of 5.2 percent in 2000. They comprised 94 percent of total U.S. natural gas imports in 2000. Similar to U.S. domestic gas prices (Table 4), the price of natural gas imports from Canada moved up sharply in the second half of 2000 as average monthly prices rose from $3.05 per Mcf in May to $7.47 per Mcf in December (Table SR7). This brought the annual average price to $3.97 per Mcf for the year or more than 78 percent greater than the 1999 average of $2.23 per Mcf. Contributing to the rise in import prices was the record high natural gas demand in 2000 (Table 3).

The 5.2 percent increase in natural gas imports from Canada in 2000 reflected both an increase in U.S. demand and increased crossborder capacity of roughly 1.9 Bcf per day. In 2000 the Sable Island Offshore Energy Project (SOEP), which delivers gas from offshore Nova Scotia to New England and enters the United States at Calais, Maine, initiated operations in January. It reached its certificated capacity of 400 million cubic feet (MMcf) per day in August 2000. The Alliance Pipeline System crosses the border at Sherwood, North Dakota, and delivers gas from western Canada to the Chicago area. It began very limited operations in June and reached its full operating capacity of 1.3 Bcf per day in December 2000.

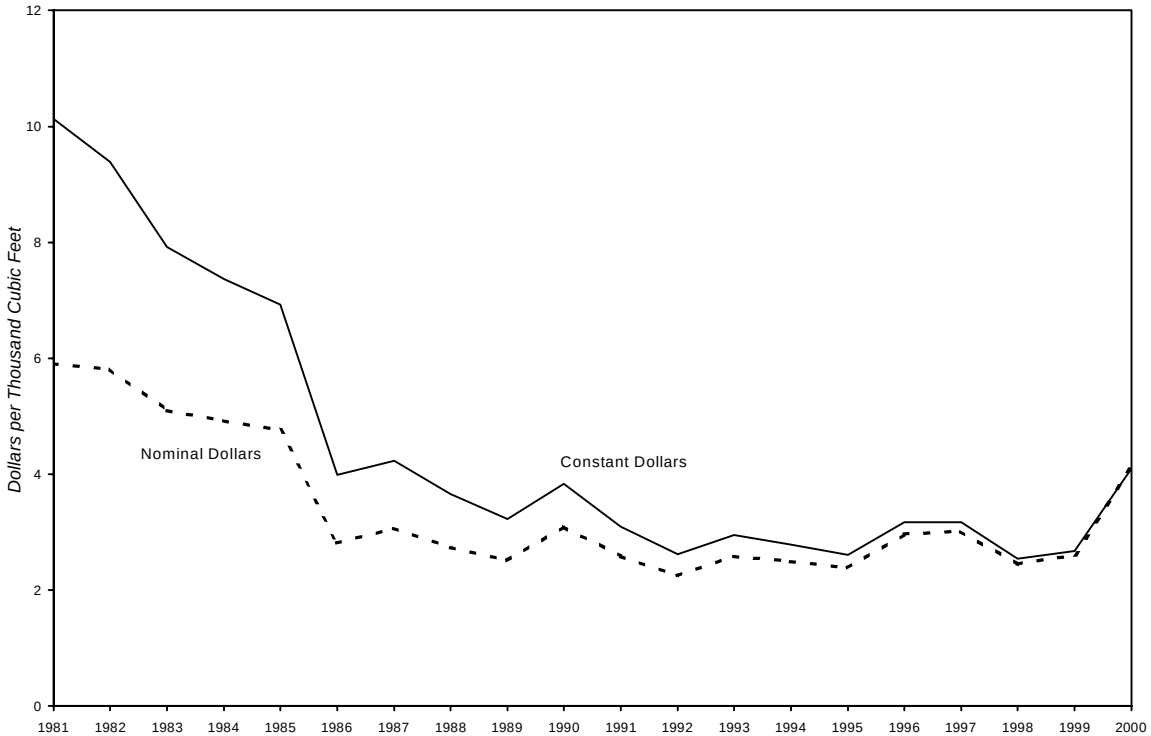
There are 24 principal entry points for Canadian gas imports into the United States which are grouped in this report into four regions: the Pacific Northwest, the West, the Midwest, and the Northeast (Table SR6). Imports into the West and the Northeast rose

Figure SR3. Average Price of U.S. Natural Gas Imports, 1981-2000



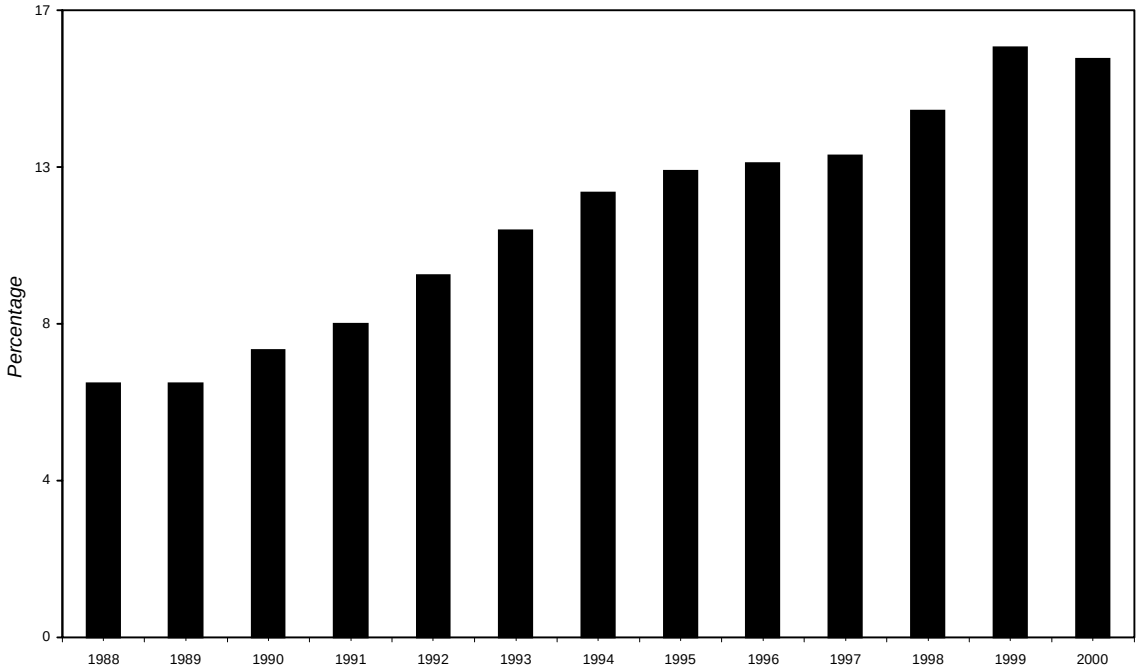
Sources: Nominal Dollars: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, *Natural Gas Imports and Exports*. Constant Dollars: Prices were converted to 2000 dollars using the chain-type price indexes for Gross Domestic product (1996 = 1.0) as published by the U.S. Department of Commerce, Bureau of Economic Analysis.

Figure SR4. Average Price of U.S. Natural Gas Exports, 1981-2000



Sources: Nominal Dollars: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, *Natural Gas Imports and Exports*. Constant Dollars: Prices were converted to 2000 dollars using the chain-type price indexes for Gross Domestic product (1996 = 1.0) as published by the U.S. Department of Commerce, Bureau of Economic Analysis.

Figure SR5. U.S. Net Imports as a Percentage of Total Consumption, 1988-2000



Sources: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

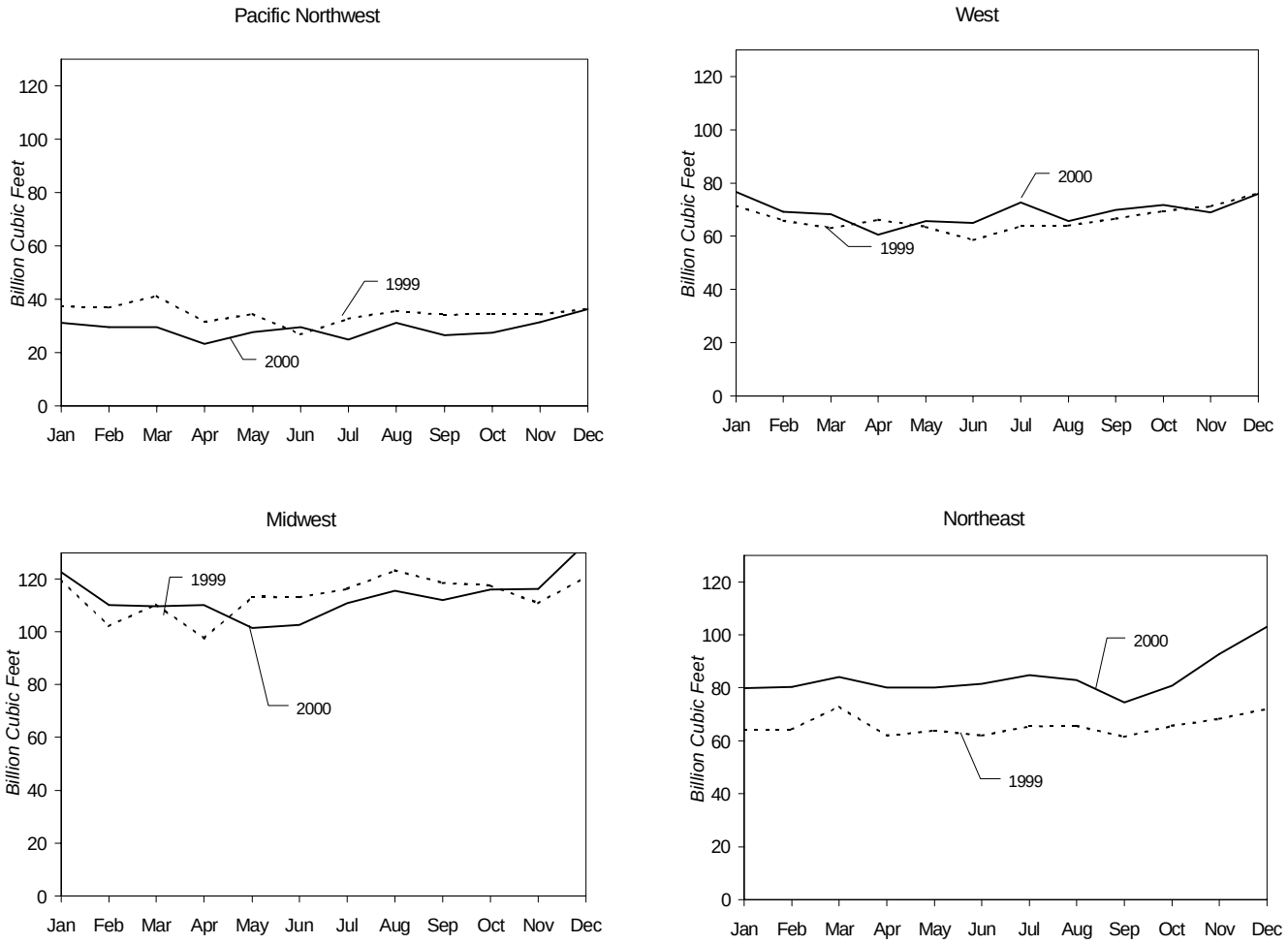
while imports to the Midwest and the Pacific Northwest declined from 1999 to 2000 (Table SR6). The Midwest, which had a slight drop (3 Bcf or 0.2 percent) from 1999 levels, continued to have the greatest percentage (38 percent) of total gas imports from Canada. Imports into the Northeast had the second largest volume with 1,005 Bcf. The Northeast region showed the largest year-to-year change. Most of this increase (217 Bcf) in 2000 was due to the opening of Sable Island. Import prices rose sharply in all four regions. The Pacific Northwest had the highest price at $4.28 per Mcf and the largest year-to-year price increase. As a result the Pacific Northwest surpassed the Northeast as the region with the highest import prices.

U.S. natural gas exports to Canada increased to 73 Bcf in 2000 from 38 Bcf in 1999. The average price of exports to Canada was $3.66 per Mcf, 55 percent above the 1999 price (Table SR3). Pipeline exports to Canada represented 41 percent of total U.S. pipeline exports in 2000. The United States exports natural gas by pipeline to Canada at four primary crossborder points, three in Michigan and one in Montana. In 2000, the largest increase (18 Bcf) occurred at St. Clair, Michigan. The Vector Pipeline with a capacity of 720 MMcf per day began exporting gas at St Clair in November 2000. The Detroit, Michigan, export point had the largest volume of exports to Canada in 2000 with 36 Bcf, compared with a total of 30 Bcf at St. Clair. However, by the end of 2000, monthly exports at St. Clair exceeded exports at any other point.

Trade with Mexico

During 2000 natural gas pipeline exports from the United States to Mexico climbed to 105 Bcf, surpassing the previous record of 96 Bcf in 1992. Along with the increase in volume, the average price moved up to $4.26 per Mcf, 87 percent above the 1999 price. Contributing to this rise in exports to Mexico is the continued growth of

Figure SR6. U.S. Natural Gas Imports from Canada by Regional Point of Entry, 1999-2000



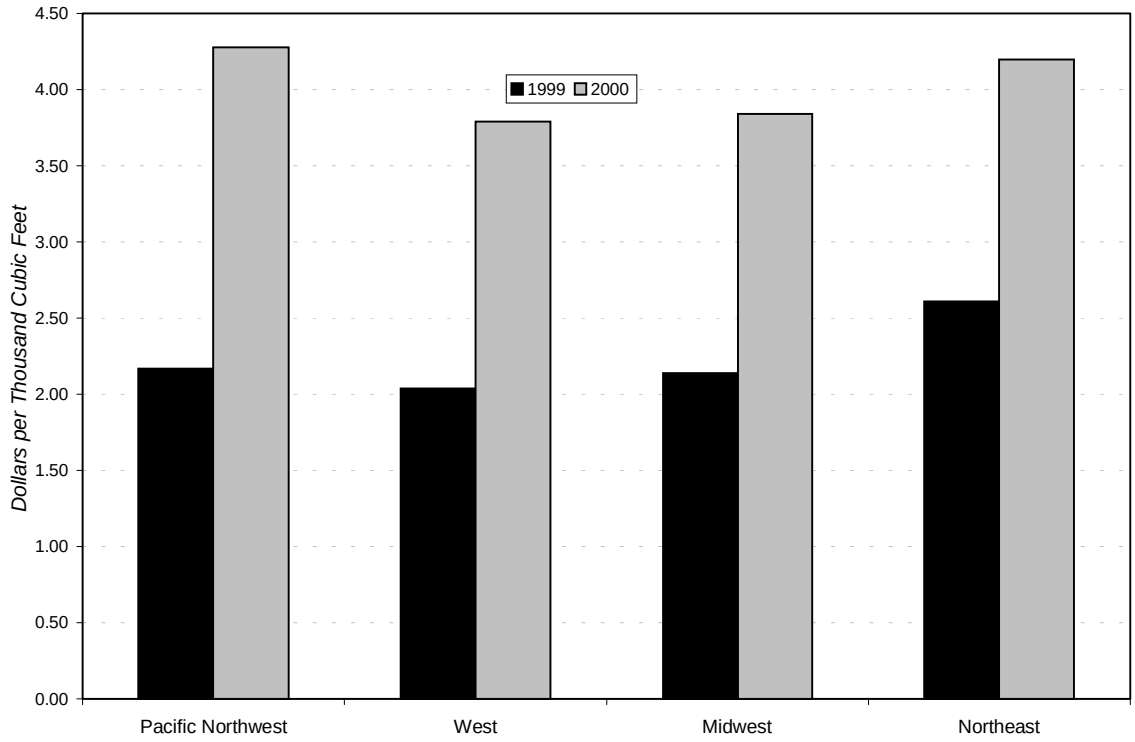
Source: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

manufacturing facilities located near the U.S./Mexican border.

In 2000, the United States added three pipeline crossborder export points to Mexico bringing the total to nine. The new pipelines began operating at Alamo and McAllen, Texas, and Otay Mesa, California. These new facilities, operating primarily in the second half of 2000, accounted for over 55 percent of the increase in exports to Mexico in 2000. For the third year in a row, the principal point of exit for pipeline exports to Mexico was Clint, Texas, where 43 percent of U.S. pipeline exports to Mexico were shipped on the Samalayuca pipeline. Most of the exports at Clint are used to fuel the gas-fired Samalayuca power plants. Also in 2000, 418 MMcf of liquefied natural gas was sent to Mexico by truck. This is an increase of over 50 percent from 1999's level of 275 MMcf. The LNG crosses the border at Nogales, Arizona, and San Diego, California.

The United States imported 12 Bcf of natural gas from Mexico by pipeline in 2000, a drop of 43 Bcf from the previous year. This appears to be the result of the growth in Mexican industrial consumption, especially in the northern region of the country, and higher prices. The price of imports from Mexico was $5.43 per Mcf, compared with $2.14 in 1999. The primary entry point was Hidalgo, Texas.

Figure SR7. Average Price of U.S. Natural Gas Pipeline Imports from Canada by Regional Point of Entry, 1999-2000



Source: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

Liquefied Natural Gas

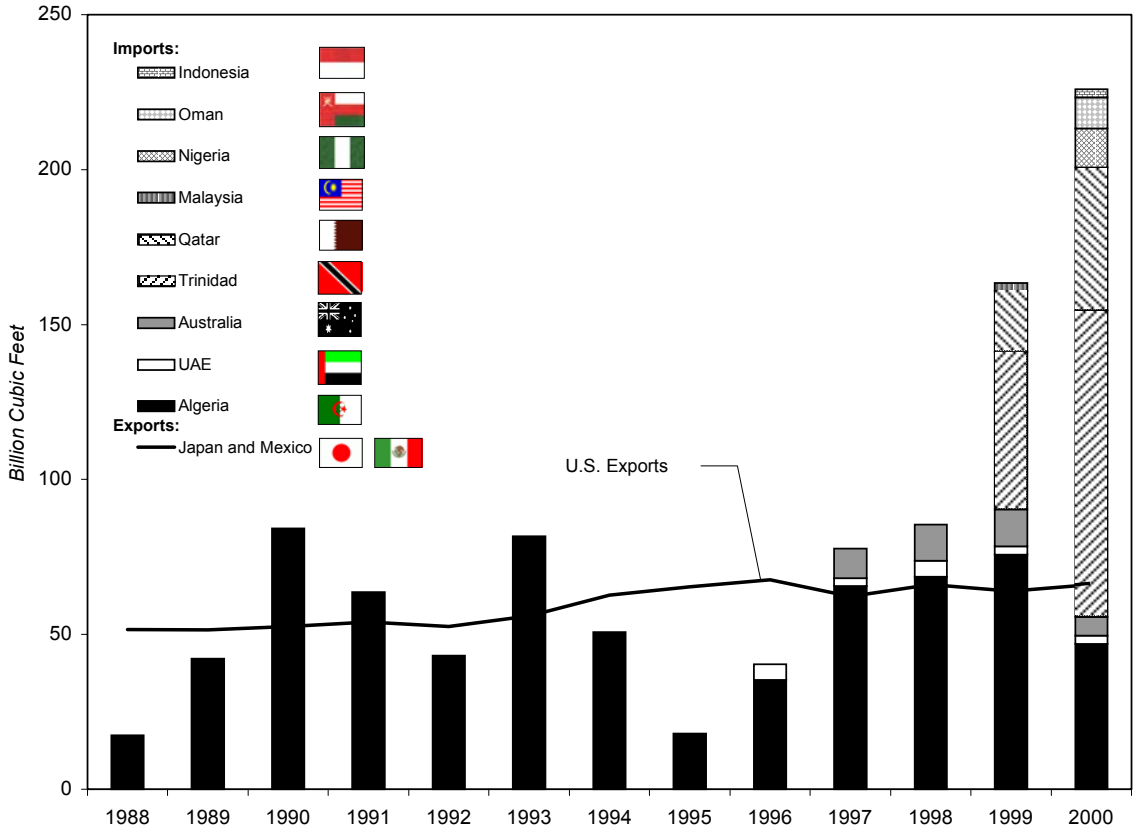
During 2000, eight companies imported 226 Bcf of liquefied natural gas into the United States. This was the largest volume of LNG imports since 1979 when 253 Bcf of the fuel was imported from Algeria (Table SR7). In 2000, nine countries sent 100 cargoes to the two U.S. terminals located in Everett, Massachusetts, and Lake Charles, Louisiana. The facility at Lake Charles received 55 cargoes and 127 Bcf, while Everett took 45 cargoes and 99 Bcf.

Trinidad, which began delivering LNG to the United States in May 1999, was the leading supplier of LNG to the United States in 2000. Algeria, historically the leading supplier moved to second on the list of nine exporting countries in 2000. Two new suppliers, Nigeria and Oman, made their first deliveries to the United States in 2000, while Indonesia delivered LNG to the United States for the first time since 1986. Together these latter three countries delivered nine cargoes totaling almost 25 Bcf. Malaysia, which sent one cargo to the United States for the first time in 1999, did not make any deliveries in 2000.

The average price of LNG shipments to the United States in 2000 was $3.50 per Mcf, compared with last year's price of $2.47. For the first time since 1980, the average annual price of imported LNG was lower than the price of gas imported by pipeline, $3.50 vs. $3.98 per Mcf. On a per million Btu (MMBtu) basis, the price comparison between the two natural gas fuels is even more noteworthy with LNG at $3.20 per MMBtu and pipeline gas at $3.90 per MMBtu.

LNG, like pipeline gas, is traded on a spot market and also sold by contracts with varying term lengths. According to reports filed with the Department of Energy's Office of Fossil Energy, the average landed

Figure SR8. U.S. Imports and Exports of Liquefied Natural Gas (LNG), 1988-2000



Sources: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

cost of LNG from Trinidad at Everett, Massachusetts, in 2000 under an existing long-term contract was $3.15 per MMBtu. These reports also indicate that several spot transactions were delivered at Lake Charles from Trinidad and other locations at prices that exceeded $4.40 per MMBtu in 2000.

During 2000, the United States continued to export LNG to Japan by tanker. LNG exports to Japan increased to 66 Bcf from 64 Bcf. The price of these exports moved up sharply, averaging $4.31 per Mcf. This is an increase of 40 percent from last year. LNG is shipped from southern Alaska to Japan under long-term agreements that began in 1978 and have averaged over 60 Bcf per year since 1994 (Table SR9). For the third year in a row, the volume of LNG exports to Mexico increased, reaching 418 MMcf in 2000. Even with this sharp increase in 2000, U.S. LNG exports to Mexico remain less than 1 percent of total LNG exports.

Data Sources

Data for 1995 through 2000 are based on company filings with the Department of Energy, Office of Fossil Energy. These filings report data on a monthly level and are received quarterly. The Office of Fossil Energy collects these data as part of its regulatory oversight responsibilities. These data are published by the Office of Fossil Energy in the quarterly report, *Natural Gas Imports and Exports* (DOE/FE-0360).

The data for 1994 and earlier years are taken from Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas," which was discontinued in 1995. The data reported on Form FPC-14 represented physical movements of natural gas, whereas the data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the information in this article (physical movements) with the information reported by the Office of Fossil Energy (sales) may show differences because reporting requirements were different. Efforts were made to resolve these differences. Further information about how import and export data are collected is provided in the *Natural Gas Monthly*, Appendix B, "Data Sources."

Table SR1. Historical Summary of U.S. Natural Gas Net Imports, 1955-2000

(Million Cubic Feet)

Year	Total Imports	Total Exports	Net Imports	Total Consumption	Net Imports as Percentage of Total Consumption
1955	10,888	31,029	–	8,693,657	–
1956	10,380	35,963	–	9,288,865	–
1957	37,941	41,655	–	9,846,139	–
1958	135,797	38,719	97,078	10,302,608	0.9
1959	133,990	18,413	115,577	11,321,181	1.0
1960	155,646	11,332	144,314	11,966,537	1.2
1961	218,860	10,747	208,113	12,489,268	1.7
1962	401,534	15,814	385,720	13,266,513	2.9
1963	406,204	16,957	389,247	13,970,229	2.8
1964	443,326	19,603	423,723	14,813,808	2.9
1965	456,394	26,132	430,262	15,279,716	2.8
1966	479,780	24,639	455,141	16,452,403	2.8
1967	564,226	81,614	482,612	17,388,360	2.8
1968	651,885	93,745	558,140	18,632,062	3.0
1969	726,951	51,304	675,647	20,056,240	3.4
1970	820,780	69,813	750,967	21,139,386	3.6
1971	934,548	80,212	854,336	21,793,454	3.9
1972	1,019,496	78,013	941,483	22,101,452	4.3
1973	1,032,901	77,169	955,732	22,049,363	4.3
1974	959,284	76,789	882,495	21,223,133	4.2
1975	953,008	72,675	880,333	19,537,593	4.5
1976	963,768	64,711	899,057	19,946,496	4.5
1977	1,011,002	55,626	955,376	19,520,581	4.9
1978	965,545	52,532	913,013	19,627,478	4.7
1979	1,253,383	55,673	1,197,710	20,240,761	5.9
1980	984,767	48,731	936,036	19,877,293	4.7
1981	903,949	59,372	844,577	19,403,858	4.4
1982	933,336	51,728	881,608	18,001,055	4.9
1983	918,407	54,639	863,768	16,834,914	5.1
1984	843,060	54,753	788,307	17,950,524	4.4
1985	949,715	55,268	894,447	17,280,943	5.2
1986	750,449	61,271	689,178	16,221,296	4.2
1987	992,532	54,020	938,512	17,210,809	5.5
1988	1,293,812	73,638	1,220,174	18,029,588	6.8
1989	1,381,520	106,871	1,274,648	18,800,826	6.8
1990	1,532,259	85,565	1,446,694	18,715,090	7.7
1991	1,773,313	129,244	1,644,068	19,035,156	8.4
1992	2,137,504	216,282	1,921,222	19,544,364	9.7
1993	2,350,115	140,183	2,209,931	20,279,095	10.9
1994	2,623,839	161,738	2,462,101	20,707,717	11.9
1995	2,841,048	154,119	2,686,929	21,580,665	12.5
1996	2,937,413	153,393	2,784,020	21,966,616	12.7
1997	2,994,173	157,006	2,837,167	21,958,660	12.9
1998	3,152,058	159,007	2,993,051	21,262,023	14.1
1999	3,585,505	163,415	3,422,090	[R]21,702,582	15.8
2000	3,781,603	243,716	3,537,887	[a]22,776,642	15.5

[a] Preliminary data.
- Not Applicable.
[R] Revised Data.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska.

Sources: Total Consumption: *Historical Natural Gas Annual* for 1955 through 1989; *Natural Gas Monthly* July 1995 for 1989 and 1990, August 2000 for 1991 through 2000. **All Other Data:** 1955-1971: Federal Power Commission, informally collected by letter. 1972-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

Table SR2. Summary of U.S. Natural Gas Imports, 1999-2000

Source	Volume (million cubic feet)		Percent Change	Average Btu (Cubic Foot)		Revenue (thousand dollars)		Average Price (dollars/ thousand cubic feet)		Percent Change	Average Price (dollars/ million Btu)		Percent Change
	1999	2000		1999	2000	1999	2000	1999	2000		1999	2000	
Pipeline													
Canada	3,367,545	3,543,966	5.2	1,019	1,019	7,513,215	14,082,389	2.23	3.97	78.0	2.19	3.90	78.1
Mexico	54,530	11,601	-78.7	1,000	1,000	116,951	62,972	2.14	5.43	153.7	2.14	5.43	153.7
Total	3,422,075	3,555,567	3.9	1,019	1,019	7,630,167	14,145,360	2.23	3.98	78.0	2.19	3.90	78.1
LNG													
Algeria	75,763	46,947	-38.0	1,084	1,125	182,495	163,481	2.41	3.48	44.4	2.22	3.09	39.2
Australia	11,904	5,945	-50.1	1,160	1,173	32,197	19,314	2.70	3.25	20.4	2.33	2.77	18.9
Indonesia	0	2,760	–	0	1,118	0	11,014	0	3.99	–	0	3.57	–
Malaysia	2,576	0	–	1,097	0	6,079	0	2.36	0	–	2.15	0	–
Nigeria	0	12,654	–	0	1,111	0	55,238	0	4.37	–	0	3.93	–
Oman	0	9,998	–	0	1,173	0	33,618	0	3.36	–	0	2.86	–
Qatar	19,697	46,057	133.8	1,124	1,125	53,323	158,590	2.71	3.44	26.9	2.41	3.06	27.0
Trinidad	50,777	98,949	94.9	1,048	1,050	121,230	339,346	2.39	3.43	43.5	2.28	3.27	43.4
Un. Arab Emirates	2,713	2,725	0.4	1,128	1,118	8,220	9,620	3.03	3.53	16.5	2.69	3.16	17.5
Total	163,430	226,036	38.3	1,084	1,095	403,546	790,221	2.47	3.50	41.7	2.28	3.20	40.4
Grand Total	3,585,505	3,781,603	5.5	1,022	1,023	8,033,712	14,935,582	2.24	3.95	76.3	2.19	3.86	76.3

– Not Applicable.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. Prices for LNG imports are reported as "landed," defined as received at the terminal or "tailgate," defined as after regasification at the terminal. Generally, prices for shipments received at Everett, MA, are reported as landed and at Lake Charles, LA as tailgate. For 1999 and 2000, the percentages of volumes associated with the type of price are: **Algeria**-1999, 56 percent landed, 44 percent tailgate; 2000, 40 percent landed, 60 percent tailgate. **Australia**-1999, 21 percent landed, 79 percent tailgate; 2000, 100 percent tailgate. **Indonesia**-2000, 100 percent tailgate. **Malaysia**-1999, 100 percent landed. **Nigeria**-2000, 41 percent landed, 59 percent tailgate. **Oman**-2000, 77 percent landed, 23 percent tailgate. **Qatar**-1999, 100 percent tailgate; 2000, 100 percent tailgate. **Trinidad**-1999, 100 percent landed; 2000, 95 percent landed, 5 percent tailgate. **United Arab Emirates**-1999, 100 percent landed; 2000, 100 percent tailgate.

Source: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

Table SR3. Summary of U.S. Natural Gas Exports, 1999-2000

Source	Volume (million cubic feet)		Percent Change	Average Btu (Cubic Foot)		Revenue (thousand dollars)		Average Price (dollars/ thousand cubic feet)		Percent Change	Average Price (dollars/ million Btu)		Percent Change
	1999	2000		1999	2000	1999	2000	1999	2000		1999	2000	
Pipeline													
Canada	38,508	72,586	88.5	1,019	1,019	90,579	265,810	2.35	3.66	55.74	2.31	3.59	55.4
Mexico	61,025	105,102	72.2	1,000	1,000	138,666	447,832	2.27	4.26	87.67	2.27	4.26	87.7
Total	99,533	177,688	78.5	1,004	1,004	229,245	713,642	2.30	4.02	74.35	2.29	3.98	73.8
LNG													
Japan	63,607	65,610	3.1	1,010	1,010	196,039	282,801	3.08	4.31	39.94	3.05	4.27	40.0
Mexico	275	418	52.0	1,000	1,000	1,910	2,434	6.95	5.82	-16.26	6.95	5.82	-16.3
Total	63,882	66,028	3.4	1,010	1,010	197,949	285,236	3.10	4.32	39.35	3.07	4.28	39.4
Grand Total	163,415	243,716	49.1	1,006	1,006	427,194	998,878	2.61	4.10	57.09	2.60	4.07	56.5

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. The price of LNG exports to Japan is the "landed" price, defined as received at the terminal in Japan.

Source: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.*

Table SR4. Historical Summary of U.S. Natural Gas Imports, 1955-2000

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

Year	Imports From									Total Imports[a]	Average Price
	Pipeline		LNG								
	Canada	Mexico	Algeria	Australia	Qatar	Nigeria	Trinidad	Un. Arab Emirates	Others		
1955	10,881	7	0	0	0	0	0	0	0	10,888	NA
1956	10,374	6	0	0	0	0	0	0	0	10,380	NA
1957	20,971	16,970	0	0	0	0	0	0	0	37,941	NA
1958	89,586	46,211	0	0	0	0	0	0	0	135,797	NA
1959	83,061	50,929	0	0	0	0	0	0	0	133,990	NA
1960	108,657	46,989	0	0	0	0	0	0	0	155,646	NA
1961	167,104	51,756	0	0	0	0	0	0	0	218,860	NA
1962	350,438	51,096	0	0	0	0	0	0	0	401,534	NA
1963	356,455	49,749	0	0	0	0	0	0	0	406,204	NA
1964	390,721	52,605	0	0	0	0	0	0	0	443,326	NA
1965	404,686	51,708	0	0	0	0	0	0	0	456,394	NA
1966	430,189	49,591	0	0	0	0	0	0	0	479,780	NA
1967	513,255	50,971	0	0	0	0	0	0	0	564,226	NA
1968	604,462	47,423	0	0	0	0	0	0	0	651,885	NA
1969	680,106	46,845	0	0	0	0	0	0	0	726,951	NA
1970	778,687	41,336	757	0	0	0	0	0	0	820,780	NA
1971	910,926	20,689	1,433	0	0	0	0	0	[b]1,500	934,548	NA
1972	1,009,093	8,140	2,032	0	0	0	0	0	[b]230	1,019,496	0.31
1973	1,027,216	1,632	3,388	0	0	0	0	0	[b]667	1,032,901	0.35
1974	959,063	222	0	0	0	0	0	0	0	959,284	0.55
1975	948,115	0	4,893	0	0	0	0	0	0	953,008	1.21
1976	953,613	0	10,155	0	0	0	0	0	0	963,768	1.72
1977	996,723	2,384	11,324	0	0	0	0	0	[b]572	1,011,002	1.98
1978	881,123	0	84,422	0	0	0	0	0	0	965,545	2.13
1979	1,000,775	0	252,608	0	0	0	0	0	0	1,253,383	2.49
1980	796,507	102,410	85,850	0	0	0	0	0	0	984,767	4.28
1981	762,107	105,013	36,824	0	0	0	0	0	[b]6	903,949	4.88
1982	783,407	94,794	55,136	0	0	0	0	0	0	933,336	5.03
1983	711,923	75,361	131,124	0	0	0	0	0	0	918,407	4.78
1984	755,368	51,502	36,191	0	0	0	0	0	0	843,060	4.08
1985	926,056	0	23,659	0	0	0	0	0	0	949,715	3.21
1986	748,780	0	0	0	0	0	0	0	[c]1,669	750,449	2.43
1987	992,532	0	0	0	0	0	0	0	0	992,532	1.95
1988	1,276,322	0	17,490	0	0	0	0	0	0	1,293,812	1.84
1989	1,339,357	0	42,163	0	0	0	0	0	0	1,381,520	1.82
1990	1,448,065	0	84,193	0	0	0	0	0	0	1,532,259	1.94
1991	1,709,716	0	63,596	0	0	0	0	0	0	1,773,313	1.83
1992	2,094,387	0	43,116	0	0	0	0	0	0	2,137,504	1.85
1993	2,266,751	1,678	81,685	0	0	0	0	0	0	2,350,115	2.03
1994	2,566,049	7,013	50,778	0	0	0	0	0	0	2,623,839	1.87
1995	2,816,408	6,722	17,918	0	0	0	0	0	0	2,841,048	1.49
1996	2,883,277	13,862	35,325	0	0	0	0	4,949	0	2,937,413	1.97
1997	2,899,152	17,243	65,675	9,686	0	0	0	2,417	0	2,994,173	2.17
1998	3,052,073	14,532	68,567	11,634	0	0	0	5,252	0	3,152,058	1.97
1999	3,367,545	54,530	75,763	11,904	19,697	0	50,777	2,713	[d]2,576	3,585,505	2.24
2000	3,543,966	11,601	46,947	5,945	46,057	12,654	98,949	2,725	[ce]12,758	3,781,603	3.95

[a] Volumes reported for 1966 through 1997 are on a pressure base of 14.73 pounds per square inch absolute and 60 degrees Fahrenheit. Volumes for 1955 through 1965 are as reported.

[b] Received from Canada.

[c] Received from Indonesia.

[d] Received from Malaysia.

[e] Received from Oman.

[NA] Not Available.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. Prices for LNG imports are reported as "landed," defined as received at the terminal or "tailgate," defined as after regasification at the terminal. Generally, prices for shipments received at Everett, MA are reported as landed and at Lake Charles, LA as tailgate. For 1999 and 2000, the percentages of volumes associated with the type of price are: **Algeria**-1999, 56 percent landed, 44 percent tailgate; 2000, 40 percent landed, 60 percent tailgate. **Australia**-1999, 21 percent landed, 79 percent tailgate; 2000, 100 percent tailgate. **Indonesia**-2000, 100 percent tailgate. **Malaysia**-1999, 100 percent landed. **Nigeria**-2000, 41 percent landed, 59 percent tailgate. **Oman**-2000, 77 percent landed, 23 percent tailgate. **Qatar**-1999, 100 percent tailgate; 2000, 100 percent tailgate. **Trinidad**-1999, 100 percent landed; 2000, 95 percent landed, 5 percent tailgate. **United Arab Emirates**-1999, 100 percent landed; 2000, 100 percent tailgate.

Sources: 1955-1971: Federal Power Commission, informally collected by letter. 1972-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

Table SR5. Historical Summary of U.S. Natural Gas Exports, 1955-2000

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

Year	Exports To				Total Exports	Average Price
	Pipeline		LNG			
	Canada	Mexico	Japan	Mexico		
1955	11,467	19,562	0	0	31,029	NA
1956	16,819	19,144	0	0	35,963	NA
1957	30,867	10,788	0	0	41,655	NA
1958	32,129	6,590	0	0	38,719	NA
1959	11,739	6,674	0	0	18,413	NA
1960	5,759	5,573	0	0	11,332	NA
1961	5,577	5,170	0	0	10,747	NA
1962	5,574	10,240	0	0	15,814	NA
1963	6,879	10,078	0	0	16,957	NA
1964	9,763	9,840	0	0	19,603	NA
1965	17,979	8,153	0	0	26,132	NA
1966	20,281	4,358	0	0	24,639	NA
1967	70,456	11,158	0	0	81,614	NA
1968	81,647	12,098	0	0	93,745	NA
1969	34,931	13,391	2,982	0	51,304	NA
1970	10,878	14,678	44,257	0	69,813	NA
1971	14,349	15,632	50,231	0	80,212	NA
1972	15,553	14,579	47,882	0	78,013	0.51
1973	14,824	13,999	48,346	0	77,169	0.54
1974	13,263	13,268	50,258	0	76,789	0.72
1975	10,219	9,454	53,002	0	72,675	1.25
1976	7,506	7,425	49,779	0	64,711	1.55
1977	31	3,940	51,655	0	55,626	1.92
1978	66	4,033	48,434	0	52,532	2.13
1979	76	4,308	51,289	0	55,673	2.29
1980	113	3,886	44,732	0	48,731	4.70
1981	106	3,337	55,929	0	59,372	5.90
1982	162	1,705	49,861	0	51,728	5.81
1983	136	1,646	52,857	0	54,639	5.10
1984	127	1,786	52,840	0	54,753	4.92
1985	178	2,207	52,883	0	55,268	4.77
1986	9,203	1,896	50,172	0	61,271	2.81
1987	3,297	2,125	48,599	0	54,020	3.07
1988	19,738	2,327	51,573	0	73,638	2.74
1989	38,443	17,004	51,424	0	106,871	2.51
1990	17,359	15,659	52,546	0	85,565	3.10
1991	14,791	60,448	54,005	0	129,244	2.59
1992	67,777	95,973	52,532	0	216,282	2.25
1993	44,518	39,676	55,989	0	140,183	2.59
1994	52,556	46,500	62,682	0	161,738	2.50
1995	27,554	61,283	65,283	0	154,119	2.39
1996	51,905	33,840	67,648	0	153,393	2.97
1997	56,447	38,372	62,187	0	157,006	3.02
1998	39,891	53,133	65,951	33	159,007	2.45
1999	38,508	61,025	63,607	275	163,415	2.61
2000	72,586	105,102	65,610	418	243,716	4.10

NA Not Available.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. The price of LNG exports to Japan is the "landed" price, defined as received at the terminal in Japan. LNG exports to Mexico are shipped by truck.

Sources: 1955-1971: Federal Power Commission, informally collected by letter. 1972-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.*

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1999-2000

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

Year and Month	Canada (Pipeline)											
	Pacific Northwest		West		Midwest							
	Sumas, WA		Eastport, ID		Babb, MT		Detroit, MI		Harve, MT		International Falls, MN	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1999												
January	37,355	2.51	71,464	1.85	661	1.85	817	2.64	0	-	597	2.06
February	36,836	1.86	65,921	1.71	390	1.70	761	2.58	0	-	524	1.96
March	41,238	1.66	63,109	1.66	503	1.67	532	2.60	0	-	545	1.88
April	31,465	1.61	66,166	1.62	281	1.73	665	2.39	0	-	366	2.01
May	34,468	2.02	63,572	1.93	526	2.09	506	2.43	0	-	24	2.18
June	26,743	2.01	58,471	1.92	237	2.11	485	2.46	0	-	24	2.05
July	32,751	2.04	63,904	1.97	315	2.12	546	2.31	0	-	390	2.33
August	35,655	2.22	64,008	2.06	173	2.14	634	2.47	0	-	382	2.44
September	34,088	2.46	66,637	2.38	266	2.46	392	2.52	0	-	432	2.74
October	34,353	2.44	69,546	2.31	237	2.37	699	2.48	0	-	470	2.64
November	34,188	2.79	71,290	2.71	28	2.02	765	2.45	0	-	549	3.03
December	36,496	2.37	76,257	2.26	224	2.42	869	2.66	0	-	554	2.33
Total	415,636	2.17	800,345	2.04	3,841	2.00	7,671	2.51	0	-	4,857	2.33
2000												
January	31,040	2.37	76,689	2.23	27	2.14	891	3.00	0	-	573	2.29
February	29,530	2.42	69,231	2.26	12	2.09	563	3.03	0	-	541	2.36
March	29,429	2.39	68,259	2.37	[a]0	2.96	608	2.81	0	-	542	2.47
April	23,190	2.78	60,473	2.69	[a]0	2.14	514	3.04	0	-	437	2.76
May	27,638	2.85	65,603	2.80	[a]0	3.47	494	3.08	0	-	430	2.91
June	29,538	3.67	64,973	3.30	[a]0	3.44	475	3.18	0	-	388	3.70
July	24,908	3.92	72,679	3.75	19	3.73	581	3.37	600	3.19	14	4.43
August	31,107	3.11	65,764	3.51	18	3.30	660	3.88	247	3.25	20	3.63
September	26,407	3.57	70,040	3.84	18	3.62	434	3.75	150	4.50	21	4.53
October	27,447	4.79	71,639	4.65	16	4.62	338	3.74	312	4.50	24	5.21
November	31,467	4.96	68,999	5.14	16	4.70	0	-	0	-	0	-
December	36,291	12.25	76,003	8.35	169	7.65	615	8.96	0	-	32	6.42
Total	347,992	4.28	830,351	3.79	295	5.83	6,171	3.82	1,309	3.66	3,022	2.77

See footnotes at end of table.

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1999-2000

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

Year and Month	Canada (Pipeline)											
	Midwest											
	Marysville, MI		Noyes, MN		Port of del Bonita, MT		Port of Morgan, MT		Portal, ND		Sherwood, ND	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1999												
January	135	2.06	45,408	1.95	6	2.29	68,058	1.67	384	1.76	0	-
February	0	-	37,256	1.97	6	2.18	61,468	1.62	347	1.71	0	-
March	0	-	41,248	1.77	7	2.09	65,715	1.47	380	1.89	0	-
April	0	-	36,166	1.97	6	2.34	57,471	1.61	313	1.75	0	-
May	0	-	40,349	2.31	8	2.54	67,893	2.02	324	1.87	0	-
June	0	-	38,061	2.23	0	-	70,398	1.93	312	1.95	0	-
July	0	-	48,218	2.19	5	2.57	63,842	2.02	322	1.95	0	-
August	0	-	47,564	2.48	11	3.02	68,562	2.26	322	1.95	0	-
September	0	-	44,496	2.75	11	2.92	65,095	2.53	311	2.12	0	-
October	0	-	43,135	2.54	11	3.27	66,870	2.33	322	2.08	0	-
November	0	-	41,055	2.91	9	2.65	62,770	2.77	34	1.22	0	-
December	0	-	43,910	2.28	9	2.53	72,285	2.06	45	1.23	0	-
Total	135	2.06	506,866	2.29	89	2.66	790,427	2.03	3,416	1.88	0	-
2000												
January	0	-	47,740	2.42	10	1.75	70,380	2.19	40	1.29	0	-
February	0	-	40,514	2.64	9	2.87	66,688	2.37	45	1.22	0	-
March	0	-	38,647	2.68	8	3.24	67,800	2.35	49	1.15	0	-
April	0	-	35,814	2.93	9	3.44	69,674	2.61	29	1.16	0	-
May	0	-	37,117	3.10	5	3.92	60,858	2.85	43	1.99	0	-
June	0	-	38,070	4.23	10	4.62	60,701	3.86	41	1.95	131	3.75
July	0	-	39,429	3.86	10	4.13	67,297	3.92	45	2.00	0	-
August	0	-	41,745	3.70	1	4.12	69,225	3.46	41	1.99	800	3.64
September	0	-	35,856	4.32	10	5.71	69,296	4.16	40	1.95	3,820	4.65
October	0	-	38,714	4.45	11	5.76	62,215	6.89	42	1.94	11,449	4.75
November	0	-	34,452	4.61	11	6.27	60,067	4.68	26	1.91	18,474	5.31
December	0	-	41,264	6.26	11	6.92	60,382	6.01	26	3.74	25,574	7.67
Total	0	-	469,361	3.75	107	4.52	784,583	3.73	469	1.80	60,249	6.14

See footnotes at end of table.

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1999-2000

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

Year and Month	Canada (Pipeline)											
	Midwest								Northeast			
	St Clair, MI		Warroad, MN		Whitlash, MT		Total		Calais, ME		Champlain, NY	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1999												
January	2,907	1.97	96	1.83	913	1.78	119,982	1.79	0	-	1,478	3.67
February	425	1.96	72	1.75	897	1.69	102,146	1.76	0	-	1,338	3.61
March	471	1.77	58	1.69	976	1.64	110,435	1.60	0	-	1,456	3.60
April	1,311	1.96	13	1.69	893	1.82	97,485	1.76	0	-	1,413	3.66
May	2,714	2.46	13	2.18	944	1.99	113,301	2.14	0	-	1,432	3.66
June	2,580	2.33	11	2.05	909	2.05	113,017	2.04	0	-	1,392	3.68
July	1,711	2.37	11	2.12	944	2.03	116,304	2.10	0	-	1,495	3.68
August	4,728	2.75	12	2.43	974	2.33	123,362	2.37	0	-	1,485	3.67
September	6,514	3.00	12	2.82	999	2.21	118,528	2.63	0	-	1,409	3.67
October	4,686	2.67	14	2.47	1,198	2.58	117,642	2.42	0	-	1,453	3.67
November	4,008	3.20	43	3.05	1,516	2.17	110,777	2.83	0	-	1,379	3.81
December	1,333	2.28	57	2.18	1,604	2.07	120,890	2.15	0	-	1,441	3.82
Total	33,388	2.62	412	2.06	12,767	2.05	1,363,869	2.14	0	-	17,171	3.68
2000												
January	1,221	2.44	67	2.36	1,589	2.11	122,538	2.29	1,028	3.30	1,504	3.82
February	592	2.67	61	2.61	1,177	2.21	110,202	2.47	4,175	2.76	1,467	3.82
March	631	2.75	45	2.57	1,279	3.58	109,609	2.49	8,743	2.65	1,503	3.81
April	2,386	3.06	15	2.79	1,262	2.66	110,140	2.73	9,825	2.94	1,340	3.82
May	1,210	3.45	13	2.98	1,203	3.04	101,372	2.95	10,492	3.38	1,453	3.81
June	1,700	4.18	12	4.13	1,082	3.58	102,610	3.99	11,015	4.37	1,455	3.82
July	1,202	4.52	734	3.98	1,037	3.19	110,966	3.89	12,260	4.24	1,454	3.82
August	1,526	3.69	376	3.36	1,005	3.16	115,667	3.55	13,599	4.08	1,525	3.82
September	621	4.87	637	3.71	1,060	4.21	111,963	4.23	12,686	4.95	1,493	3.82
October	1,096	5.64	815	4.43	1,042	4.76	116,075	5.80	13,391	5.44	1,188	3.82
November	1,282	4.78	884	3.98	995	2.83	116,206	4.74	13,037	5.09	1,510	4.01
December	3,730	6.76	919	4.20	1,002	2.22	133,724	6.40	13,271	7.19	1,543	4.02
Total	17,198	4.45	4,576	3.95	13,733	3.09	1,361,072	3.84	123,521	4.50	17,436	3.86

See footnotes at end of table.

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1999-2000

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

Year and Month	Canada (Pipeline)											
	Northeast											
	Grand Island, NY		Highgate Springs, VT		Massena, NY		Niagara Falls, NY		North Troy, VT		Pittsburg, NH	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1999												
January	2,728	2.81	1,293	2.17	1,038	2.60	30,842	2.43	775	1.76	189	2.55
February	2,678	2.69	1,056	2.20	854	2.55	32,705	2.39	700	2.56	381	2.23
March	3,521	2.62	984	2.22	893	2.40	36,350	2.21	775	2.53	812	2.14
April	2,965	2.59	625	2.85	599	2.48	27,900	2.26	0	-	1,714	2.22
May	2,406	3.28	372	3.47	397	2.83	28,439	2.53	0	-	1,919	2.50
June	1,976	3.30	297	3.81	312	2.76	29,423	2.50	0	-	1,560	2.48
July	2,477	3.07	309	3.77	313	2.85	30,331	2.52	0	-	2,651	2.48
August	3,533	3.24	410	3.55	308	3.03	30,724	2.77	0	-	1,687	2.65
September	1,834	3.60	365	4.10	481	3.07	29,156	2.91	0	-	2,428	2.90
October	3,013	3.39	624	3.52	491	3.15	30,642	2.79	0	-	2,650	2.80
November	3,321	3.34	741	3.74	666	3.50	31,222	3.03	0	-	2,867	3.07
December	2,688	3.20	1,065	2.92	906	2.98	34,781	2.62	0	-	3,962	2.47
Total	33,140	3.07	8,141	2.91	7,258	2.81	372,515	2.58	2,250	2.27	22,820	2.61
2000												
January	5,776	2.78	1,500	3.27	1,055	3.14	34,806	2.71	0	-	4,875	3.20
February	4,478	3.01	1,392	3.25	965	3.19	35,915	2.97	0	-	4,437	3.20
March	3,980	3.01	914	3.26	803	3.18	36,967	3.03	0	-	3,503	2.95
April	3,706	3.20	814	3.46	671	3.43	33,194	3.15	0	-	2,583	2.96
May	2,796	3.59	533	4.03	451	3.75	32,912	3.44	0	-	1,912	3.00
June	2,910	4.72	493	5.00	367	4.78	34,662	4.25	0	-	1,945	3.28
July	4,007	4.40	460	5.15	279	4.82	36,668	4.23	0	-	2,049	3.94
August	3,395	4.30	454	5.06	357	4.21	32,237	4.04	0	-	1,973	3.75
September	2,880	4.71	551	5.19	315	4.79	29,284	4.47	0	-	2,065	4.44
October	4,180	5.29	738	5.76	429	5.30	32,728	5.06	0	-	2,885	4.37
November	4,979	5.01	949	5.17	665	5.44	38,280	5.03	0	-	4,765	5.16
December	5,924	6.38	1,184	5.27	952	6.47	43,364	6.35	0	-	5,298	6.45
Total	49,012	4.24	9,980	4.28	7,309	4.25	421,016	4.10	0	-	38,289	4.07

See footnotes at end of table.

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1999-2000

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

Year and Month	Canada (Pipeline)						Mexico (Pipeline)					
	Northeast				Total		Texas					
	Waddington, NY		Total		Volume	Average Price	Alamo, TX		Hidalgo, TX		McAllen, TX	
	Volume	Average Price	Volume	Average Price			Volume	Average Price	Volume	Average Price	Volume	Average Price
1999												
January	25,689	2.17	64,032	2.36	292,833	2.02	0	-	4,891	1.74	0	-
February	24,511	2.13	64,223	2.33	269,126	1.90	0	-	4,398	1.69	0	-
March	28,196	2.03	72,987	2.19	287,769	1.77	0	-	751	1.60	0	-
April	26,733	2.14	61,949	2.27	257,065	1.83	0	-	4,193	2.02	0	-
May	28,913	2.53	63,878	2.59	275,219	2.18	0	-	6,844	1.94	0	-
June	27,049	2.46	62,009	2.54	260,240	2.13	0	-	4,978	2.12	0	-
July	27,889	2.51	65,465	2.57	278,424	2.17	0	-	3,877	2.21	0	-
August	27,545	2.83	65,692	2.85	288,717	2.39	0	-	6,028	2.61	0	-
September	25,872	3.10	61,545	3.04	280,798	2.64	982	2.40	3,661	2.39	0	-
October	26,763	2.89	65,636	2.89	287,177	2.50	3,429	2.53	739	2.29	0	-
November	28,063	3.02	68,259	3.07	284,514	2.85	5,159	2.33	1,304	2.22	0	-
December	27,177	2.60	72,020	2.66	305,663	2.32	3,081	2.07	215	2.22	0	-
Total	324,400	2.54	787,695	2.61	3,367,545	2.23	12,651	2.33	41,879	2.09	0	-
2000												
January	29,371	2.82	79,915	2.83	310,181	2.42	2,557	2.29	353	2.37	0	-
February	27,430	3.07	80,259	3.03	289,222	2.57	730	2.50	0	-	0	-
March	27,761	3.07	84,173	3.01	291,469	2.60	316	2.60	0	-	0	-
April	27,945	3.26	80,077	3.17	273,881	2.85	475	2.97	281	2.96	0	-
May	29,455	3.48	80,003	3.45	274,616	3.05	0	-	0	-	0	-
June	28,561	4.41	81,408	4.32	278,529	3.89	0	-	0	-	0	-
July	27,623	4.53	84,800	4.33	293,353	3.99	0	-	27	4.01	0	-
August	29,277	4.15	82,817	4.09	295,355	3.65	0	-	10	4.64	0	-
September	25,237	4.81	74,511	4.67	282,921	4.19	0	-	209	5.00	0	-
October	25,323	5.49	80,862	5.23	296,022	5.27	1,035	5.19	80	4.91	0	-
November	28,481	5.01	92,665	5.03	309,337	4.94	1,116	5.60	115	5.79	0	-
December	31,525	6.66	103,061	6.51	349,079	7.47	2,161	8.74	1,018	8.17	1,118	9.22
Total	337,989	4.24	1,004,552	4.20	3,543,966	3.97	8,390	4.82	2,093	5.85	1,118	9.22

See footnotes at end of table.

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1999-2000

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

Year and Month	Mexico (Pipeline)		LNG						Grand Total	
	Total		Midwest		Northeast		Total			
	Volume	Average Price	Lake Charles, LA		Everett, MA		Volume	Average Price	Volume	Average Price
			Volume	Average Price	Volume	Average Price				
1999										
January	4,891	1.74	2,551	2.17	10,515	2.48	13,066	2.42	310,790	2.03
February	4,398	1.69	5,042	2.46	7,846	2.96	12,888	2.76	286,412	1.93
March	751	1.60	2,549	2.17	10,541	2.51	13,090	2.44	301,610	1.80
April	4,193	2.02	5,069	2.04	5,060	2.44	10,129	2.24	271,387	1.85
May	6,844	1.94	2,480	2.17	6,911	1.92	9,391	1.99	291,454	2.17
June	4,978	2.12	7,259	2.14	6,619	2.08	13,878	2.11	279,096	2.13
July	3,877	2.21	7,522	2.31	6,599	2.11	14,121	2.22	296,422	2.18
August	6,028	2.61	7,432	2.30	9,904	2.33	17,336	2.32	312,081	2.39
September	4,643	2.39	10,104	2.60	6,869	2.56	16,973	2.58	302,414	2.63
October	4,168	2.49	4,924	2.29	8,368	2.64	13,292	2.51	304,637	2.50
November	6,463	2.31	5,087	3.23	9,088	2.85	14,175	2.98	305,152	2.85
December	3,296	2.08	7,343	2.83	7,748	2.84	15,091	2.83	324,050	2.34
Total	54,530	2.14	67,362	2.43	96,068	2.49	163,430	2.47	3,585,505	2.24
2000										
January	2,911	2.30	2,505	2.25	10,300	3.00	12,806	2.85	325,897	2.44
February	730	2.50	0	-	10,155	3.33	10,155	3.33	300,107	2.60
March	316	2.60	5,619	2.55	9,193	2.90	14,812	2.77	306,596	2.61
April	756	2.97	12,742	2.81	6,637	3.07	19,378	2.90	294,016	2.86
May	0	-	5,437	3.14	7,739	3.01	13,176	3.06	287,793	3.05
June	0	-	14,581	3.53	2,936	3.30	17,517	3.49	296,046	3.87
July	27	4.01	18,275	3.69	10,631	3.21	28,906	3.51	322,285	3.94
August	10	4.64	13,943	3.28	9,000	3.31	22,943	3.29	318,308	3.62
September	209	5.00	16,849	3.91	4,864	2.98	21,713	3.70	304,843	4.15
October	1,115	5.17	17,869	4.38	9,521	3.16	27,390	3.96	324,527	5.16
November	1,231	5.61	12,242	3.48	6,950	3.85	19,192	3.61	329,759	4.86
December	4,297	8.73	7,135	5.00	10,913	4.63	18,049	4.77	371,425	7.35
Total	11,601	5.43	127,198	3.61	98,838	3.34	226,036	3.50	3,781,603	3.95

- Not Applicable.

[a] Less than one million cubic feet. Volumes for March, April, May, and June are 80 Mcf, 58 Mcf, 32 Mcf, and 18 Mcf, respectively.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. Prices for LNG imports are reported as "landed," defined as received at the terminal or "tailgate," defined as after regasification at the terminal. Generally, prices for shipments received at Everett, MA are reported as landed and at Lake Charles, LA as tailgate. For 1999 and 2000, the percentages of volumes associated with the type of price are: **Algeria**-1999, 56 percent landed, 44 percent tailgate; 2000, 40 percent landed, 60 percent tailgate. **Australia**-1999, 21 percent landed, 79 percent tailgate; 2000, 100 percent tailgate. **Indonesia**-2000, 100 percent tailgate. **Malaysia**-1999, 100 percent landed. **Nigeria**-2000, 41 percent landed, 59 percent tailgate. **Oman**-2000, 77 percent landed, 23 percent tailgate. **Qatar**-1999, 100 percent tailgate; 2000, 100 percent tailgate. **Trinidad**-1999, 100 percent landed; 2000, 95 percent landed, 5 percent tailgate. **United Arab Emirates**-1999, 100 percent landed; 2000, 100 percent tailgate.

Sources: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.*

Table SR7. Summary of U.S. Natural Gas Imports, 1978-2000

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

Year And Month	Pipeline				Total Pipeline	
	Canada		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price		
1978 Total	881,123	2.19	0	-	881,123	2.19
1979 Total	1,000,775	2.61	0	-	1,000,775	2.61
1980 Total	796,507	4.32	102,410	4.41	898,917	4.33
1981 Total	762,107	4.83	105,013	5.01	867,120	4.85
1982 Total	783,407	4.97	94,794	5.02	878,200	4.98
1983 Total	711,923	4.49	75,361	4.70	787,284	4.51
1984 Total	755,368	4.01	51,502	4.49	806,870	4.04
1985 Total	926,056	3.17	0	-	926,056	3.17
1986 Total	748,780	2.42	0	-	748,780	2.42
1987 Total	992,532	1.95	0	-	992,532	1.95
1988 Total	1,276,322	1.83	0	-	1,276,322	1.83
1989 Total	1,339,357	1.81	0	-	1,339,357	1.81
1990 Total	1,448,065	1.91	0	-	1,448,065	1.91
1991 Total	1,709,716	1.81	0	-	1,709,716	1.81
1992 Total	2,094,387	1.84	0	-	2,094,387	1.84
1993 Total	2,266,751	2.02	1,678	1.94	2,268,429	2.02
1994 Total	2,566,049	1.86	7,013	1.99	2,572,377	1.86
1995 Total	2,816,408	1.48	6,722	1.53	2,823,130	1.48
1996 Total	2,883,277	1.96	13,862	2.25	2,897,138	1.96
1997 Total	2,899,152	2.15	17,243	2.31	2,916,394	2.15
1998 Total	3,052,073	1.95	14,532	2.03	3,066,605	1.95
1999						
January	292,833	2.02	4,891	1.74	297,724	2.02
February	269,126	1.90	4,398	1.69	273,524	1.90
March	287,769	1.77	751	1.60	288,520	1.77
April	257,065	1.83	4,193	2.02	261,258	1.83
May	275,219	2.18	6,844	1.94	282,063	2.17
June	260,240	2.13	4,978	2.12	265,218	2.13
July	278,424	2.17	3,877	2.21	282,301	2.17
August	288,717	2.39	6,028	2.61	294,745	2.39
September	280,798	2.64	4,643	2.39	285,441	2.64
October	287,177	2.50	4,168	2.49	291,345	2.50
November	284,514	2.85	6,463	2.31	290,977	2.84
December	305,663	2.32	3,296	2.08	308,959	2.32
Total	3,367,545	2.23	54,530	2.14	3,422,075	2.23
2000						
January	310,181	2.42	2,911	2.30	313,092	2.42
February	289,222	2.57	730	2.50	289,953	2.57
March	291,469	2.60	316	2.60	291,785	2.60
April	273,881	2.85	756	2.97	274,637	2.85
May	274,616	3.05	0	-	274,616	3.05
June	278,529	3.89	0	-	278,529	3.89
July	293,353	3.99	27	4.01	293,379	3.99
August	295,355	3.65	10	4.64	295,365	3.65
September	282,921	4.19	209	5.00	283,131	4.19
October	296,022	5.27	1,115	5.17	297,137	5.27
November	309,337	4.94	1,231	5.61	310,567	4.94
December	349,079	7.47	4,297	8.73	353,376	7.48
Total	3,543,966	3.97	11,601	5.43	3,555,567	3.98

See footnotes at end of table.

Table SR7. Summary of U.S. Natural Gas Imports, 1978-2000

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet) – Continued

Year And Month	LNG							
	Algeria		Australia		Nigeria		Qatar	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1978 Total	84,422	1.53	0	-	0	-	0	-
1979 Total	252,608	2.03	0	-	0	-	0	-
1980 Total	85,850	3.77	0	-	0	-	0	-
1981 Total	36,824	5.54	0	-	0	-	0	-
1982 Total	55,136	5.82	0	-	0	-	0	-
1983 Total	131,124	6.41	0	-	0	-	0	-
1984 Total	36,191	4.90	0	-	0	-	0	-
1985 Total	23,659	4.60	0	-	0	-	0	-
1986 Total	0	-	0	-	0	-	0	-
1987 Total	0	-	0	-	0	-	0	-
1988 Total	17,490	2.71	0	-	0	-	0	-
1989 Total	42,163	2.22	0	-	0	-	0	-
1990 Total	84,193	2.47	0	-	0	-	0	-
1991 Total	63,596	2.36	0	-	0	-	0	-
1992 Total	43,116	2.54	0	-	0	-	0	-
1993 Total	81,685	2.20	0	-	0	-	0	-
1994 Total	50,778	2.28	0	-	0	-	0	-
1995 Total	17,918	2.30	0	-	0	-	0	-
1996 Total	35,325	2.70	0	-	0	-	0	-
1997 Total	65,675	2.67	9,686	2.92	0	-	0	-
1998 Total	68,567	2.51	11,634	3.30	0	-	0	-
1999								
January	13,066	2.42	0	-	0	-	0	-
February	7,684	2.51	2,557	3.55	0	-	2,647	2.72
March	13,090	2.44	0	-	0	-	0	-
April	7,637	2.35	0	-	0	-	2,492	1.91
May	3,898	2.13	0	-	0	-	0	-
June	2,528	2.17	2,314	2.33	0	-	2,417	1.94
July	5,134	2.18	0	-	0	-	2,388	2.61
August	2,554	2.17	2,302	2.37	0	-	0	-
September	7,593	2.49	0	-	0	-	4,987	2.74
October	5,118	2.48	2,309	2.42	0	-	0	-
November	2,440	2.85	0	-	0	-	2,374	3.45
December	5,021	2.51	2,422	2.76	0	-	2,392	3.59
Total	75,763	2.41	11,904	2.70	0	-	19,697	2.71
2000								
January	5,026	2.61	0	-	0	-	0	-
February	4,987	3.76	0	-	0	-	0	-
March	3,990	2.49	0	-	0	-	2,428	2.79
April	2,566	2.72	2,274	3.21	0	-	7,254	2.71
May	2,453	3.13	0	-	0	-	0	-
June	2,529	3.53	0	-	2,488	4.14	2,385	2.76
July	2,562	3.40	2,285	3.26	2,496	4.86	4,793	3.97
August	2,370	3.87	0	-	2,510	3.56	7,167	3.15
September	2,556	4.11	1,270	3.28	2,658	3.52	7,625	3.97
October	7,570	3.46	0	-	2,503	5.80	7,165	4.14
November	2,552	3.98	116	3.44	0	-	7,241	3.32
December	7,786	4.29	0	-	0	-	0	-
Total	46,947	3.48	5,945	3.25	12,654	4.37	46,057	3.44

See footnotes at end of table.

Table SR7. Summary of U.S. Natural Gas Imports, 1978-2000

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet) – Continued

Year And Month	LNG						Total LNG		Grand Total	
	Trinidad		United Arab Emirates		Other		Volume	Average Price	Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price				
1978 Total	0	-	0	-	0	-	84,422	1.53	965,545	2.13
1979 Total	0	-	0	-	0	-	252,608	2.03	1,253,383	2.49
1980 Total	0	-	0	-	0	-	85,850	3.77	984,767	4.28
1981 Total	0	-	0	-	6	6.63	36,830	5.54	903,949	4.88
1982 Total	0	-	0	-	0	-	55,136	5.82	933,336	5.03
1983 Total	0	-	0	-	0	-	131,124	6.41	918,407	4.78
1984 Total	0	-	0	-	0	-	36,191	4.90	843,060	4.08
1985 Total	0	-	0	-	0	-	23,659	4.60	949,715	3.21
1986 Total	0	-	0	-	[a]1,669	4.62	1,669	4.62	750,449	2.43
1987 Total	0	-	0	-	0	-	0	-	992,532	1.95
1988 Total	0	-	0	-	0	-	17,490	2.71	1,293,812	1.84
1989 Total	0	-	0	-	0	-	42,163	2.22	1,381,520	1.82
1990 Total	0	-	0	-	0	-	84,193	2.47	1,532,259	1.94
1991 Total	0	-	0	-	0	-	63,596	2.36	1,773,313	1.83
1992 Total	0	-	0	-	0	-	43,116	2.54	2,137,504	1.85
1993 Total	0	-	0	-	0	-	81,685	2.20	2,350,115	2.03
1994 Total	0	-	0	-	0	-	50,778	2.28	2,623,839	1.87
1995 Total	0	-	0	-	0	-	17,918	2.30	2,841,048	1.49
1996 Total	0	-	4,949	3.46	0	-	40,274	2.79	2,937,413	1.97
1997 Total	0	-	2,417	3.74	0	-	77,778	2.73	2,994,173	2.17
1998 Total	0	-	5,252	2.63	0	-	85,453	2.62	3,152,058	1.97
1999										
January	0	-	0	-	0	-	13,066	2.42	310,790	2.03
February	0	-	0	-	0	-	12,888	2.76	286,412	1.93
March	0	-	0	-	0	-	13,090	2.44	301,610	1.80
April	0	-	0	-	0	-	10,129	2.24	271,387	1.85
May	5,493	1.88	0	-	0	-	9,391	1.98	291,454	2.17
June	6,619	2.08	0	-	0	-	13,878	2.11	279,096	2.13
July	6,599	2.11	0	-	0	-	14,121	2.22	296,422	2.18
August	9,904	2.33	0	-	[b]2,576	2.36	17,336	2.32	312,081	2.39
September	4,393	2.55	0	-	0	-	16,973	2.58	302,414	2.63
October	5,865	2.57	0	-	0	-	13,292	2.51	304,637	2.50
November	6,648	2.85	2,713	3.03	0	-	14,175	2.98	305,152	2.85
December	5,256	2.83	0	-	0	-	15,091	2.83	324,050	2.34
Total	50,777	2.39	2,713	3.03	[b]2,576	2.36	163,430	2.47	3,585,505	2.24
2000										
January	7,780	3.01	0	-	0	-	12,806	2.85	325,897	2.44
February	5,168	2.91	0	-	0	-	10,155	3.33	300,107	2.60
March	8,393	2.89	0	-	0	-	14,812	2.77	306,596	2.61
April	7,285	3.05	0	-	0	-	19,378	2.90	294,016	2.86
May	10,723	3.05	0	-	0	-	13,176	3.06	287,793	3.05
June	7,390	3.48	2,725	3.53	0	-	17,517	3.49	296,046	3.87
July	14,307	3.30	0	-	[c]2,464	2.86	28,906	3.51	322,285	3.94
August	8,435	3.30	0	-	[c]2,461	2.86	22,943	3.29	318,308	3.62
September	4,864	2.98	0	-	[c]2,740	4.20	21,713	3.70	304,843	4.15
October	7,392	3.65	0	-	[a]2,760	3.99	27,390	3.96	324,527	5.16
November	6,950	3.85	0	-	[c]2,333	3.44	19,192	3.61	329,759	4.86
December	10,262	5.14	0	-	0	-	18,049	4.77	371,425	7.35
Total	98,949	3.43	2,725	3.53	[ac]12,758	3.50	226,036	3.50	3,781,603	3.95

[a] Received from Indonesia.
[b] Received from Malaysia.
[c] Received from Oman.
- Not Applicable.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. Prices for LNG imports are reported as "landed," defined as received at the terminal or "tailgate," defined as after regasification at the terminal. Generally, prices for shipments received at Everett, MA are reported as landed and at Lake Charles, LA as tailgate. For 1999 and 2000, the percentages of volumes associated with the type of price are: **Algeria**- 1999, 56 percent landed, 44 percent tailgate; 2000, 40 percent landed, 60 percent tailgate. **Australia**-1999, 21 percent landed, 79 percent tailgate; 2000, 100 percent tailgate. **Indonesia**-2000, 100 percent tailgate. **Malaysia**-1999, 100 percent landed. **Nigeria**-2000, 41 percent landed, 59 percent tailgate. **Oman**-2000, 77 percent landed, 23 percent tailgate. **Qatar**-1999, 100 percent tailgate; 2000, 100 percent tailgate. **Trinidad**-1999, 100 percent landed; 2000, 95 percent landed, 5 percent tailgate. **United Arab Emirates**-1999, 100 percent landed; 2000, 100 percent tailgate.

Sources: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

Table SR8. U.S. Natural Gas Exports by Point of Exit, 1999-2000

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

Year and Month	Canada (Pipeline)									
	Detroit, MI		Harve, MT		Marysville, MI		St Clair, MI		Total	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1999										
January	1,814	1.93	58	1.90	0	-	392	1.90	2,264	1.92
February	1,639	1.93	96	1.55	0	-	829	1.97	2,564	1.93
March	3,145	1.80	36	1.61	0	-	1,313	1.80	4,494	1.80
April	1,743	1.77	144	1.80	0	-	359	1.95	2,246	1.80
May	1,801	2.28	134	1.60	0	-	277	2.45	2,212	2.26
June	1,743	2.15	180	1.99	0	-	30	2.43	1,953	2.14
July	1,801	2.22	186	1.94	0	-	0	-	1,987	2.19
August	1,801	2.45	217	2.08	0	-	0	-	2,018	2.41
September	1,764	2.85	195	2.37	0	-	0	-	1,959	2.80
October	1,907	2.61	260	2.56	0	-	172	2.97	2,339	2.63
November	2,979	2.96	0	-	366	2.43	4,673	2.99	8,018	2.95
December	2,912	2.42	4	2.02	325	2.50	3,213	2.35	6,454	2.39
Total	25,049	2.30	1,510	2.05	691	2.47	11,258	2.51	38,508	2.35
2000										
January	3,143	2.46	261	2.09	1,093	2.60	1,737	2.56	6,234	2.50
February	3,576	2.59	203	2.28	1,346	2.75	3,892	2.80	9,017	2.70
March	4,052	2.65	263	2.58	1,435	2.75	3,301	2.86	9,051	2.74
April	1,883	2.79	64	2.61	477	2.89	669	3.08	3,093	2.86
May	2,561	3.11	0	-	493	3.06	679	3.36	3,732	3.15
June	2,819	4.15	0	-	477	4.39	447	3.57	3,742	4.11
July	2,919	4.43	198	3.23	0	-	646	4.46	3,762	4.37
August	2,805	3.88	237	3.33	0	-	858	4.14	3,900	3.90
September	2,794	4.40	209	4.51	0	-	1,680	5.39	4,682	4.76
October	2,805	5.22	44	4.70	0	-	2,478	5.31	5,327	5.26
November	3,400	4.29	77	4.71	0	-	6,400	3.79	9,877	3.97
December	3,250	5.09	52	8.39	0	-	6,868	3.93	10,169	4.32
Total	36,007	3.74	1,606	3.25	5,320	2.91	29,654	3.73	72,586	3.66

See footnotes at end of table.

Table SR8. U.S. Natural Gas Exports by Point of Exit, 1999-2000

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

Year and Month	Mexico (Pipeline)									
	Alamo, TX		Calexico, CA		Clint, TX		Douglas, AZ		Eagle Pass, TX	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1999										
January	0	-	237	2.37	3,101	1.74	10	1.73	185	1.89
February	0	-	233	2.17	3,288	1.66	730	1.79	150	1.88
March	0	-	261	2.05	3,950	1.55	146	1.56	179	1.78
April	0	-	282	2.10	3,334	1.74	181	2.03	162	1.95
May	0	-	350	2.54	4,859	2.21	300	2.47	162	2.44
June	0	-	340	2.53	3,928	2.26	427	2.44	158	2.33
July	0	-	338	2.69	3,743	2.26	403	2.50	157	2.38
August	0	-	342	2.91	3,717	2.65	371	2.93	145	2.71
September	0	-	337	3.25	3,663	2.88	286	2.90	151	3.00
October	0	-	379	3.03	2,412	2.61	384	2.59	173	2.64
November	0	-	342	3.43	3,581	2.84	338	2.59	174	3.13
December	0	-	283	2.72	2,791	2.21	465	2.30	194	2.22
Total	0	-	3,724	2.69	42,367	2.22	4,041	2.37	1,990	2.35
2000										
January	0	-	430	2.74	3,697	2.35	612	2.38	212	2.45
February	0	-	401	2.90	3,929	2.60	466	2.58	186	2.67
March	0	-	387	2.95	4,116	2.68	376	2.63	184	2.70
April	0	-	367	3.34	3,349	2.96	357	2.94	170	3.00
May	0	-	370	3.35	5,385	3.22	903	3.42	172	3.18
June	0	-	337	4.66	4,599	4.30	1,029	4.20	164	4.48
July	2,007	3.79	324	5.23	4,451	4.76	1,008	4.35	141	4.47
August	3,331	3.95	321	4.85	3,269	4.11	1,000	4.26	154	3.95
September	2,425	4.49	265	6.66	3,638	4.84	1,167	4.96	150	4.73
October	1,138	5.14	259	5.92	3,344	5.30	1,088	5.20	185	5.40
November	1,432	4.63	269	5.53	3,060	4.82	483	4.91	197	4.57
December	921	6.94	191	14.43	2,675	6.80	340	8.14	200	5.57
Total	11,254	4.49	3,921	4.67	45,512	3.95	8,829	4.23	2,114	3.91

See footnotes at end of table.

Table SR8. U.S. Natural Gas Exports by Point of Exit, 1999-2000

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

Year and Month	Mexico (Pipeline)									
	El Paso, TX		Hidalgo, TX		McAllen, TX		Otay Mesa, CA		Total	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1999										
January	993	1.91	0	-	0	-	0	-	4,526	1.81
February	376	1.81	0	-	0	-	0	-	4,777	1.72
March	0	-	1,414	1.72	0	-	0	-	5,950	1.62
April	392	1.96	698	2.24	0	-	0	-	5,049	1.87
May	437	2.47	0	-	0	-	0	-	6,108	2.27
June	362	2.30	63	2.22	0	-	0	-	5,278	2.29
July	631	2.31	340	2.31	0	-	0	-	5,612	2.31
August	823	2.72	0	-	0	-	0	-	5,398	2.70
September	830	2.76	0	-	0	-	0	-	5,267	2.89
October	496	2.75	242	2.85	0	-	0	-	4,086	2.68
November	566	3.02	0	-	0	-	0	-	5,001	2.89
December	240	2.53	0	-	0	-	0	-	3,973	2.28
Total	6,146	2.43	2,757	2.04	0	-	0	-	61,025	2.27
2000										
January	826	2.39	160	2.40	0	-	0	-	5,937	2.39
February	707	2.65	705	2.52	0	-	0	-	6,394	2.62
March	651	2.61	1,927	2.75	0	-	0	-	7,641	2.70
April	501	2.95	3,474	2.87	0	-	3	3.02	8,222	2.94
May	400	3.03	3,088	3.21	0	-	20	3.03	10,338	3.23
June	397	4.37	2,140	4.26	0	-	49	4.33	8,714	4.30
July	434	4.59	403	3.82	0	-	1,388	4.91	10,157	4.52
August	589	4.05	442	4.07	0	-	2,142	4.49	11,248	4.16
September	433	4.76	300	4.48	0	-	1,888	6.31	10,265	5.07
October	527	5.44	0	-	2,367	5.23	1,289	5.57	10,197	5.31
November	836	5.33	0	-	1,873	4.24	1,003	5.18	9,154	4.78
December	1,156	7.53	0	-	50	6.56	1,301	14.08	6,834	8.57
Total	7,458	4.35	12,639	3.26	4,291	4.81	9,083	6.53	105,102	4.26

See footnotes at end of table.

Table SR8. U.S. Natural Gas Exports by Point of Exit, 1999-2000

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

Year and Month	Japan (LNG)		Mexico (LNG)						Grand Total	
	Kenai, AK		Nogales, AZ		Otay Mesa, CA		San Diego, CA		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1999										
January	5,586	2.95	23	7.41	0	-	1	7.49	12,400	2.36
February	5,564	2.94	28	7.38	0	-	1	7.49	12,934	2.30
March	5,570	2.88	19	7.31	0	-	2	7.49	16,035	2.11
April	5,687	2.77	17	7.09	0	-	2	7.49	13,001	2.26
May	5,644	2.78	21	7.41	0	-	3	7.49	13,988	2.48
June	3,754	2.77	15	7.23	0	-	3	7.49	11,003	2.44
July	5,675	2.88	20	7.14	0	-	0	-	13,294	2.54
August	5,643	3.11	17	7.34	0	-	3	7.49	13,079	2.84
September ..	5,605	3.23	21	7.26	0	-	0	-	12,852	3.03
October	3,723	3.28	13	7.07	0	-	0	-	10,161	2.89
November ...	5,579	3.56	22	5.86	0	-	8	5.82	18,628	3.12
December ...	5,577	3.81	22	5.82	0	-	14	5.82	16,040	2.86
Total	63,607	3.08	238	7.01	0	-	37	6.50	163,415	2.61
2000										
January	5,569	4.04	24	5.82	0	-	12	5.82	17,776	2.95
February	5,566	4.08	22	5.82	0	-	16	5.82	21,015	3.05
March	3,769	4.18	28	5.82	0	-	16	5.82	20,505	3.00
April	5,670	4.25	18	5.82	0	-	12	5.82	17,015	3.37
May	5,709	4.27	19	5.82	0	-	12	5.82	19,810	3.52
June	3,763	4.34	15	5.82	0	-	15	5.82	16,249	4.27
July	5,597	4.36	15	5.82	0	-	14	5.82	19,546	4.45
August	5,598	4.22	16	5.82	0	-	13	5.82	20,775	4.13
September ..	5,592	4.37	17	5.82	0	-	11	5.82	20,568	4.81
October	7,512	4.51	24	5.82	10	5.82	0	-	23,070	5.04
November ...	5,686	4.49	41	5.82	10	5.82	0	-	24,767	4.39
December ...	5,579	4.51	32	5.82	6	5.82	0	-	22,621	5.65
Total	65,610	4.31	271	5.82	26	5.82	121	5.82	243,716	4.10

- Not Applicable.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. The price of LNG exports to Japan is the "landed" price, defined as received at the terminal in Japan.

Sources: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.*

Table SR9. Summary of U.S. Natural Gas Exports, 1978-2000

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				Total Pipeline		LNG				Grand Total	
	Canada		Mexico		Volume	Average Price	Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price			Volume	Average Price	Volume	Average Price		
1978 Total	66	1.79	4,033	1.65	4,098	1.66	48,434	2.17	0	-	52,532	2.13
1979 Total	76	2.04	4,308	1.97	4,384	1.97	51,289	2.32	0	-	55,673	2.29
1980 Total	113	3.31	3,886	2.47	3,999	2.50	44,732	4.90	0	-	48,731	4.70
1981 Total	106	4.79	3,337	3.37	3,443	3.41	55,929	6.05	0	-	59,372	5.90
1982 Total	162	4.95	1,705	5.17	1,867	5.15	49,861	5.83	0	-	51,728	5.81
1983 Total	136	4.60	1,646	4.79	1,782	4.78	52,857	5.11	0	-	54,639	5.10
1984 Total	127	4.19	1,786	4.48	1,913	4.46	52,840	4.93	0	-	54,753	4.92
1985 Total	178	3.06	2,207	3.99	2,385	3.92	52,883	4.81	0	-	55,268	4.77
1986 Total	9,203	2.12	1,896	3.49	11,099	2.35	50,172	2.91	0	-	61,271	2.81
1987 Total	3,297	1.81	2,125	3.18	5,421	2.35	48,599	3.15	0	-	54,020	3.07
1988 Total	19,738	2.02	2,327	3.21	22,065	2.14	51,573	2.99	0	-	73,638	2.74
1989 Total	38,443	2.00	17,004	2.14	55,447	2.05	51,424	3.01	0	-	106,871	2.51
1990 Total	17,359	2.70	15,659	1.88	33,018	2.31	52,546	3.59	0	-	85,565	3.10
1991 Total	14,791	1.91	60,448	1.76	75,239	1.79	54,005	3.71	0	-	129,244	2.59
1992 Total	67,777	1.83	95,973	1.90	163,750	1.88	52,532	3.43	0	-	216,282	2.25
1993 Total	44,518	2.14	39,676	2.02	84,195	2.08	55,989	3.34	0	-	140,183	2.59
1994 Total	52,556	2.42	46,500	1.68	99,057	2.08	62,682	3.18	0	-	161,738	2.50
1995 Total	27,554	1.96	61,283	1.50	88,836	1.64	65,283	3.41	0	-	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	85,745	2.45	67,648	3.65	0	-	153,393	2.97
1997 Total	56,447	2.52	38,372	2.46	94,818	2.49	62,187	3.83	0	-	157,006	3.02
1998 Total	39,891	2.25	53,133	2.04	93,023	2.13	65,951	2.91	33	5.69	159,007	2.45
1999												
January	2,264	1.92	4,526	1.81	6,790	1.85	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	7,341	1.79	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	10,444	1.70	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	7,295	1.85	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	8,320	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	7,231	2.25	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	7,599	2.28	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	7,416	2.62	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	7,226	2.87	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	6,425	2.66	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	13,019	2.93	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	10,427	2.35	5,577	3.81	36	5.82	16,040	2.86
Total	38,508	2.35	61,025	2.27	99,533	2.30	63,607	3.08	275	6.95	163,415	2.61
2000												
January	6,234	2.50	5,937	2.39	12,171	2.45	5,569	4.04	36	5.82	17,776	2.95
February	9,017	2.70	6,394	2.62	15,411	2.67	5,566	4.08	37	5.82	21,015	3.05
March	9,051	2.74	7,641	2.70	16,691	2.72	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	11,315	2.92	5,670	4.25	30	5.82	17,015	3.37
May	3,732	3.15	10,338	3.23	14,070	3.21	5,709	4.27	31	5.82	19,810	3.52
June	3,742	4.11	8,714	4.30	12,456	4.24	3,763	4.34	30	5.82	16,249	4.27
July	3,762	4.37	10,157	4.52	13,920	4.48	5,597	4.36	29	5.82	19,546	4.45
August	3,900	3.90	11,248	4.16	15,148	4.09	5,598	4.22	29	5.82	20,775	4.13
September	4,682	4.76	10,265	5.07	14,948	4.97	5,592	4.37	28	5.82	20,568	4.81
October	5,327	5.26	10,197	5.31	15,524	5.29	7,512	4.51	35	5.82	23,070	5.04
November	9,877	3.97	9,154	4.78	19,030	4.36	5,686	4.49	51	5.82	24,767	4.39
December	10,169	4.32	6,834	8.57	17,004	6.03	5,579	4.51	38	5.82	22,621	5.65
Total	72,586	3.66	105,102	4.26	177,688	4.02	65,610	4.31	418	5.82	243,716	4.10

- Not Applicable.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. The price of LNG exports to Japan is the "landed" price, defined as received at the terminal in Japan. LNG exports to Mexico are shipped by truck.

Sources: 1994 and Earlier Years: Energy Information Administration,, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 2000: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*.

Highlights

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

Recent analyses of the natural gas industry are available on the EIA web site, under "Featured Topics" to the right side of the home page. The first two reports listed below are updated regularly, while the third is a one-time report that was released in May 2001. These reports are:

- *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.

- *U.S. Natural Gas Markets: Recent Trends and Prospects for the Future* - an assessment of current market issues, such as the relatively low levels of natural gas in storage and high natural gas prices, and their implications for the future.

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, 1995-2001

(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]
1995 Total	**23,744**	**3,565**	**388**	**284**	**19,506**	**908**	**18,599**
1996 Total	**24,114**	**3,511**	**518**	**272**	**19,812**	**958**	**18,854**
1997 Total	**24,213**	**3,492**	**599**	**256**	**19,866**	**964**	**18,902**
1998 Total	**23,924**	**3,433**	**611**	**234**	**19,646**	**938**	**18,708**
1999							
January	2,064	296	54	21	1,693	84	1,609
February	1,878	280	49	19	1,531	76	1,455
March	2,070	298	51	20	1,701	84	1,616
April	1,964	274	50	20	1,620	80	1,540
May	1,984	255	53	20	1,657	82	1,574
June	1,945	262	48	20	1,615	80	1,535
July	1,988	253	52	21	1,663	83	1,580
August	1,984	263	50	21	1,651	82	1,569
September	1,931	265	50	23	1,594	79	1,515
October	2,012	286	53	21	1,653	82	1,571
November	1,953	282	49	20	1,601	79	1,522
December	1,982	293	52	20	1,618	80	1,537
Total	**23,755**	**3,305**	**610**	**245**	**19,596**	**973**	**18,623**
2000							
January	E2,065	E313	E54	E23	E1,675	E83	E1,592
February	E1,935	E298	E45	E21	E1,571	E78	E1,493
March	E2,083	E301	E45	E23	E1,715	E85	E1,630
April	E2,007	E305	E46	E22	E1,634	E81	E1,553
May	E2,066	E304	E46	E22	E1,694	E84	E1,610
June	E1,989	E274	E45	E22	E1,648	E82	E1,566
July	E2,044	E275	E46	E22	E1,701	E85	E1,616
August	E2,058	E277	E46	E23	E1,711	E85	E1,626
September	E1,977	E270	E45	E22	E1,640	E82	E1,558
October	E2,097	E308	E47	E23	E1,719	E85	E1,634
November	E2,033	E304	E45	E23	E1,662	E83	E1,579
December	E2,090	E316	E47	E24	E1,704	E85	E1,619
Total	**E24,445**	**E3,543**	**E559**	**E270**	**E20,074**	**E998**	**E19,076**
2001							
January	RE2,136	E338	E41	E24	RE1,733	E86	RE1,647
February	RE1,934	E296	E39	E22	RE1,577	E78	RE1,498
March	RE2,122	RE318	RE42	E23	RE1,739	E86	RE1,653
April	RE2,026	RE292	RE40	RE22	RE1,671	RE83	RE1,588
May	RE2,133	RE318	E42	E24	E1,749	E87	E1,662
June	E2,062	E305	E41	E23	E1,694	E84	E1,610
July(STIFS)	NA	NA	NA	NA	R1,709	R84	R1,625
August(STIFS)	NA	NA	NA	NA	E1,712	E85	E1,627
2001 YTD	NA	NA	NA	NA	**E13,584**	**E674**	**E12,910**
2000 YTD	**E16,247**	**E2,346**	**E374**	**E178**	**E13,349**	**E663**	**E12,685**
1999 YTD	**15,877**	**2,179**	**406**	**162**	**13,130**	**652**	**12,478**

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

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

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

R Revised Data.

E Estimated Data.

RE Revised Estimated Data.

NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated and contain estimates for selected States (see Table 7). Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," STIFS, and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.

Table 2

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1995-2001

(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels[a]	Net Imports	Net Storage Withdrawals[b]	Balancing Item[c]	Consumption[d]
1995 Total	**18,599**	**110**	**2,687**	**415**	**-230**	**21,581**
1996 Total	**18,854**	**109**	**2,784**	**2**	**217**	**21,967**
1997 Total	**18,902**	**103**	**2,837**	**24**	**92**	**21,959**
1998 Total	**18,708**	**102**	**2,993**	**-530**	**-11**	**21,262**
1999						
January	1,609	10	298	659	-35	2,542
February	1,455	8	273	339	61	2,137
March	1,616	9	286	314	-46	2,178
April	1,540	8	258	-96	87	1,797
May	1,574	8	277	-358	11	1,513
June	1,535	6	268	-327	-49	1,433
July	1,580	8	283	-231	-103	1,536
August	1,569	8	299	-236	-60	1,580
September	1,515	7	290	-335	-12	1,464
October	1,571	8	294	-165	-124	1,584
November	1,522	8	287	34	-130	1,721
December	1,537	10	308	573	-216	2,212
Total	**18,623**	**98**	**3,422**	**171**	**-612**	**21,703**
2000						
January	[E]1,592	[E]10	[R]308	780	[R]-164	[R]2,526
February	[E]1,493	[E]9	279	454	[R]123	[R]2,357
March	[E]1,630	[E]8	286	162	[R]-11	[R]2,075
April	[E]1,553	[E]7	277	-36	[R]-2	[R]1,800
May	[E]1,610	[E]7	268	-232	[R]-6	[R]1,647
June	[E]1,566	[E]6	[R]280	-272	[R]-56	[R]1,524
July	[E]1,616	[E]8	[R]303	-290	[R]-92	[R]1,545
August	[E]1,626	[E]8	298	-193	[R]-67	[R]1,672
September	[E]1,558	[E]7	284	-282	[R]-71	[R]1,496
October	[E]1,634	[E]8	301	-227	[R]-126	[R]1,591
November	[E]1,579	[E]9	305	293	[R]-269	[R]1,916
December	[E]1,619	[E]10	[R]349	690	[R]-79	2,589
Total	**[E]19,076**	**[E]98**	**[R]3,538**	**845**	**[R]-821**	**[R]22,736**
2001						
January	[RE]1,647	[E]10	345	467	[R]181	[R]2,649
February	[RE]1,498	[E]8	301	338	[R]157	[R]2,301
March	[RE]1,653	[E]9	324	181	[R]41	2,207
April	[RE]1,588	[E]7	[RE]273	-276	[R]168	[R]1,759
May	[E]1,662	[E]6	[RE]295	-448	[R]-33	1,483
June	[E]1,610	[E]6	[E]287	-419	[E]24	[R]1,507
July(STIFS)	[R]1,625	[E]8	[E]303	[RE]-411	[RE]46	[RE]1,571
August(STIFS)	[E]1,627	[E]8	[E]322	[E]-319	[E]-23	[E]1,616
2001 YTD	**[E]12,910**	**[E]62**	**[E]2,449**	**[E]-888**	**[E]560**	**[E]15,093**
2000 YTD	**[E]12,685**	**[E]64**	**2,298**	**372**	**-275**	**15,144**
1999 YTD	**12,478**	**65**	**2,244**	**64**	**-135**	**14,716**

[a] Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Inc. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) 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 Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

[b] Monthly and annual data for 1995 through 1999 include underground storage and liquefied natural gas storage. Data for January 2000 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

[c] Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 9, for full discussion.

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

[R] Revised Data.

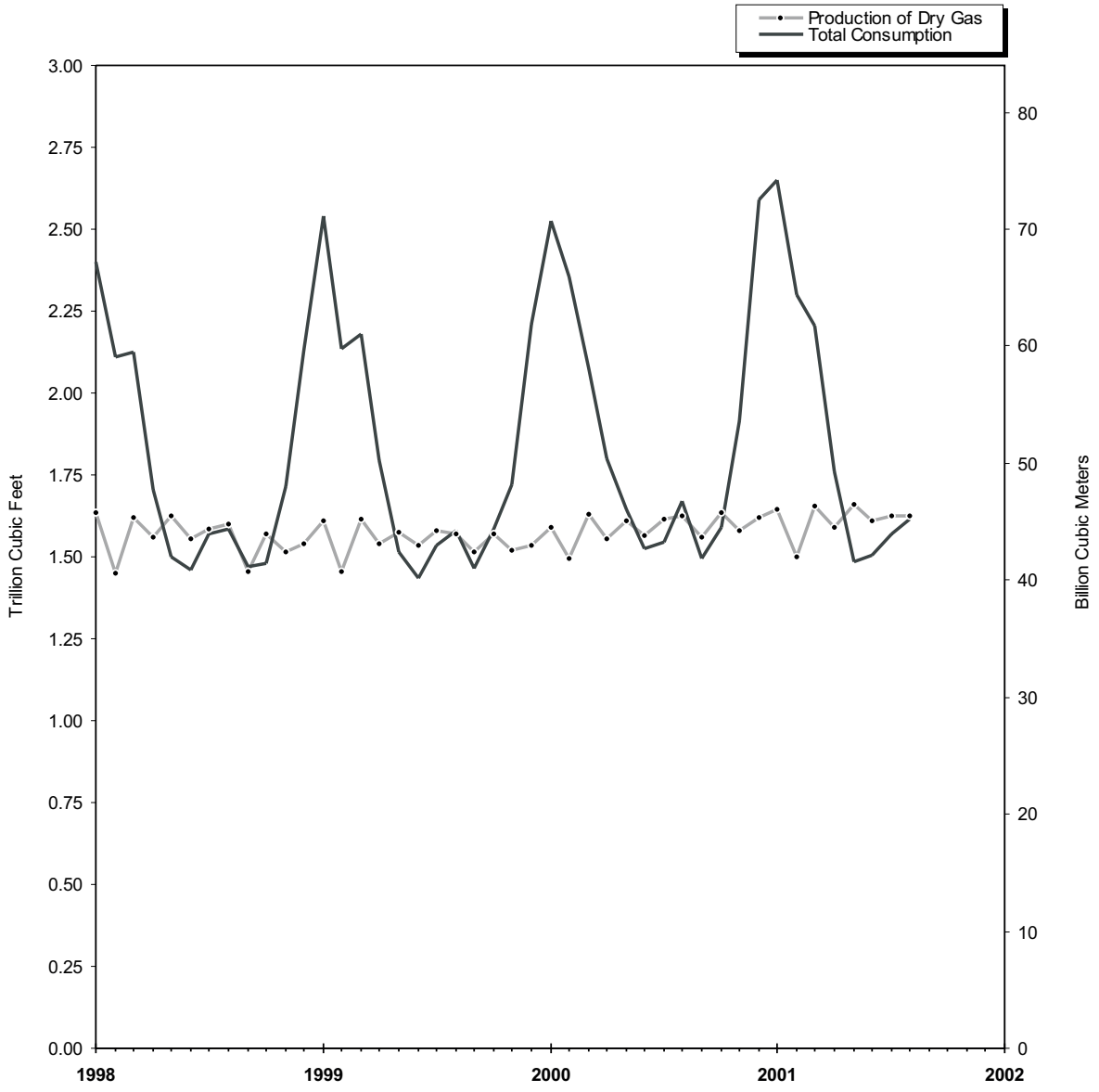
[E] Estimated Data.

[RE] Revised Estimated Data.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, Short-Term Integrated Forecasting System (STIFS) computations, and Office of Fossil Energy, *"Natural Gas Imports and Exports."* See Appendix A for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1998-2001



Source: Table 2.

Table 3

Table 3. Natural Gas Consumption in the United States, 1995-2001

(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel[a]	Pipeline Fuel[b]	Delivered to Consumers					Total Consumption
			Residential	Commercial [c]	Industrial	Electric Utilities	Total	
1995 Total	**1,220**	**700**	**4,850**	**3,034**	**8,580**	**3,197**	**19,660**	**21,581**
1996 Total	**1,250**	**711**	**5,241**	**3,161**	**8,870**	**2,732**	**20,006**	**21,967**
1997 Total	**1,203**	**751**	**4,984**	**3,219**	**8,832**	**2,968**	**20,004**	**21,959**
1998 Total	**1,157**	**635**	**4,520**	**3,005**	**8,686**	**3,258**	**19,469**	**21,262**
1999								
January	93	87	911	477	797	176	2,361	2,542
February	85	73	690	401	739	149	1,979	2,137
March	94	74	669	390	747	204	2,010	2,178
April	89	61	420	260	713	254	1,647	1,797
May	90	51	235	177	690	270	1,372	1,513
June	88	48	158	144	673	322	1,297	1,433
July	91	52	127	133	701	434	1,394	1,536
August	90	53	116	137	750	432	1,436	1,580
September	88	49	135	138	772	283	1,327	1,464
October	91	53	234	181	785	240	1,440	1,584
November	88	58	372	246	785	172	1,574	1,721
December	90	76	660	363	849	176	2,047	2,212
Total	**1,077**	**735**	**4,726**	**3,050**	**9,001**	**3,113**	**19,890**	**21,703**
2000								
January	E92	R86	R860	R459	R839	191	R2,348	R2,526
February	E86	80	R778	R433	R813	167	R2,191	R2,357
March	E94	70	R549	R363	R789	208	R1,910	R2,075
April	E90	61	R400	R263	R771	215	R1,649	R1,800
May	E93	56	R229	R185	R775	309	R1,498	R1,647
June	E91	52	R154	R152	768	308	R1,382	R1,524
July	E94	52	127	R142	R756	374	R1,399	R1,545
August	E94	57	121	R155	R834	411	R1,521	R1,672
September	E90	51	R140	R153	R778	284	R1,355	R1,496
October	E95	54	234	R186	R809	214	R1,442	R1,591
November	E91	65	R479	R294	R806	181	R1,760	R1,916
December	E94	88	R904	R474	R842	187	2,407	2,589
Total	**E1,104**	**R770**	**R4,974**	**R3,259**	**9,579**	**3,050**	**R20,862**	**R22,736**
2001								
January	E95	90	R987	R529	R791	157	R2,464	R2,649
February	E87	78	R794	R451	R749	143	R2,137	R2,301
March	RE96	75	R690	R395	R780	171	2,037	2,207
April	RE92	R60	R407	R270	R720	211	R1,608	R1,759
May	E96	50	215	196	690	235	1,336	1,483
June(STIFS)	E91	E52	R156	R157	R748	NA	R1,364	R1,507
July(STIFS)	E94	E55	RE123	RE152	RE793	NA	RE1,422	RE1,571
August(STIFS)	E95	E54	E114	E149	E844	NA	E1,467	E1,616
2001 YTD[d]	**746**	**513**	**3,487**	**2,299**	**6,115**	**917**	**13,835**	**15,093**
2000 YTD[d]	**734**	**513**	**3,217**	**2,152**	**6,344**	**1,091**	**13,897**	**15,144**
1999 YTD[d]	**721**	**499**	**3,326**	**2,118**	**5,810**	**1,055**	**13,496**	**14,716**

[a] Plant fuel data and monthly 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] Deliveries to Commercial consumers for 1995-1999 include vehicle fuel deliveries, which totaled, in billion cubic feet, 2.7 in 1995, 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, and 5.7 in 1999.

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

[R] Revised Data.

[E] Estimated Data.

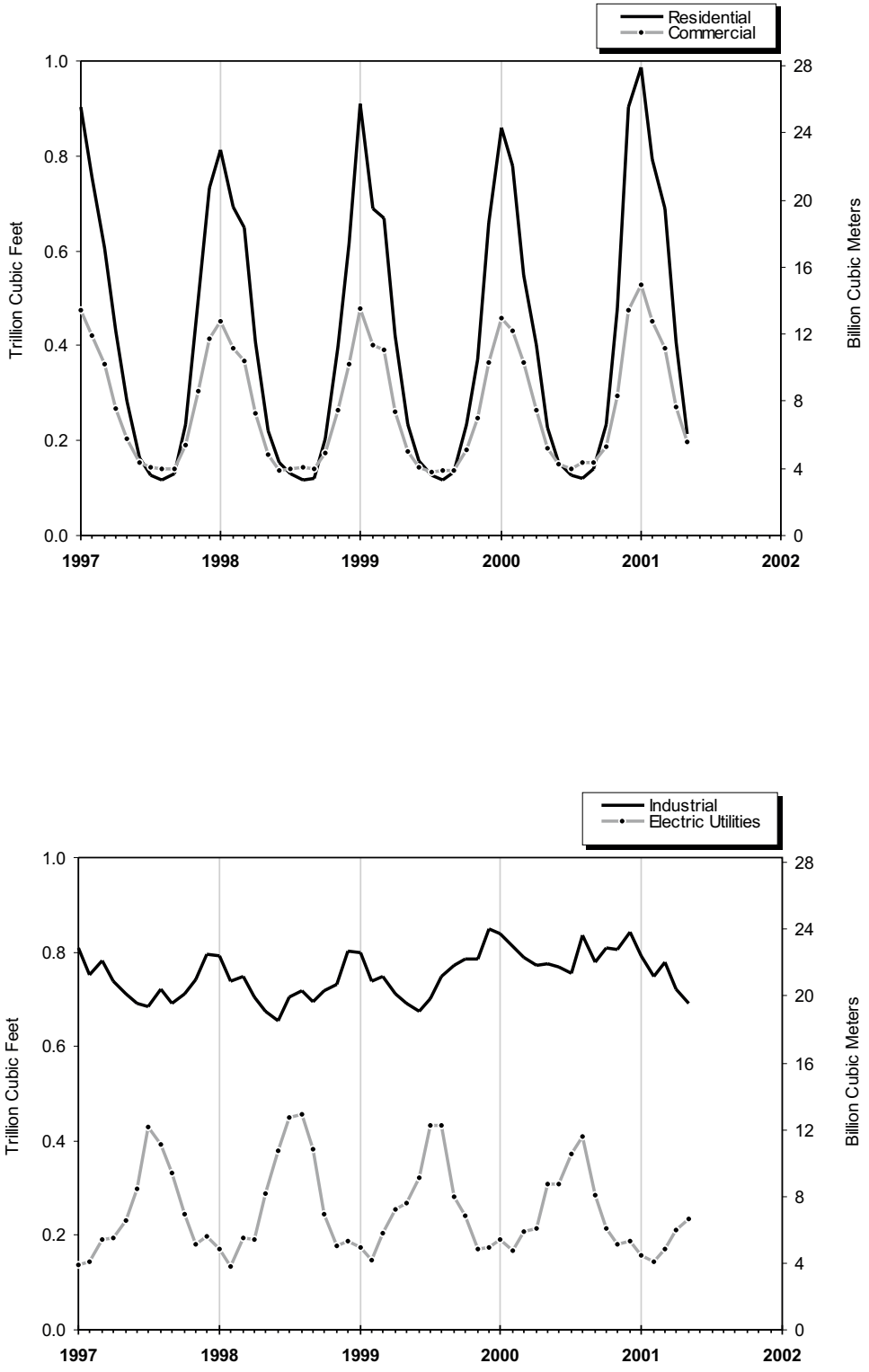
[RE] Revised Estimated Data.

[NA] Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Estimates for the most recent three months are derived from the Short-Term Integrated Forecasting System (STIFS). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

Sources: 1995-1999: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 1999*. January 2000 through the current month: EIA: Form EIA-895, Form EIA-857, Form EIA-759, and STIFS computations. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1997-2001



Source: Table 3.

Table 4

Table 4. Selected National Average Natural Gas Prices, 1995-2001

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price[a]	City Gate Price	Delivered to Consumers					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total[b]	Price	% of Total[b]	
1995 Annual Average	**1.55**	**2.78**	**6.06**	**5.05**	**76.7**	**2.71**	**24.5**	**2.02**
1996 Annual Average	**2.17**	**3.34**	**6.34**	**5.40**	**77.6**	**3.42**	**19.4**	**2.69**
1997 Annual Average	**2.32**	**3.66**	**6.94**	**5.80**	**70.8**	**3.59**	**18.1**	**2.78**
1998 Annual Average	**1.94**	**3.07**	**6.82**	**5.48**	**67.0**	**3.14**	**16.1**	**2.40**
1999								
January	1.84	2.87	6.00	5.19	73.1	3.29	16.9	2.32
February	1.75	2.93	6.29	5.28	69.7	2.92	16.8	2.26
March	1.68	2.69	6.06	4.97	69.3	2.95	17.4	2.15
April	1.86	2.94	6.44	5.32	65.4	3.00	16.6	2.29
May	2.16	3.41	7.30	5.34	61.1	2.86	16.0	2.57
June	2.12	3.28	8.20	5.29	61.1	2.81	15.8	2.53
July	2.18	3.23	8.83	5.44	58.2	2.86	15.7	2.58
August	2.49	3.53	9.14	5.46	56.6	2.99	18.8	2.86
September	2.61	3.72	8.63	5.55	60.0	3.41	17.5	2.98
October	2.50	3.31	7.56	5.46	61.7	3.20	17.5	2.83
November	2.67	3.76	7.15	5.72	63.0	3.51	17.7	3.01
December	2.20	3.24	6.51	5.56	67.6	3.05	21.3	2.68
Annual Average	**2.17**	**3.16**	**6.69**	**5.33**	**66.2**	**3.10**	**17.4**	**2.62**
2000								
January	E2.12	3.30	R6.32	R5.55	R67.0	3.46	R16.2	2.73
February	E2.30	3.50	R6.55	R5.68	R68.4	3.70	R16.7	2.95
March	E2.36	3.54	R6.85	R5.33	R65.7	R3.60	R16.4	2.99
April	E2.55	3.70	R7.11	R5.61	63.3	R3.67	R15.9	3.22
May	E2.90	4.14	R8.05	R5.50	R64.0	R3.70	R14.4	3.62
June	E3.73	5.17	R9.26	R5.82	R61.3	R4.24	15.2	4.44
July	E3.70	5.12	R10.17	R5.88	R60.8	R4.60	R14.9	4.34
August	E3.67	4.59	R10.22	R5.41	R62.3	R4.39	R14.2	4.28
September	E4.26	5.17	R9.94	R6.18	R60.9	4.91	R14.3	4.87
October	E4.61	5.64	R9.41	R6.92	R62.4	R5.31	R14.0	5.16
November	E4.62	5.20	8.60	R7.24	R64.9	R5.38	R17.9	5.35
December	E6.35	6.81	R8.61	R7.90	R68.4	R6.48	18.4	8.21
Annual Average	**E3.60**	**4.65**	**R7.72**	**R6.18**	**R65.3**	**R4.50**	**R15.7**	**4.32**
2001								
January	E8.06	8.95	R9.94	R9.32	R68.9	R8.66	R15.8	9.47
February	E5.84	7.29	R10.28	R9.65	R67.0	R7.24	R15.5	7.15
March	E5.15	6.28	R9.73	R8.97	R66.0	R6.51	R14.5	5.69
April	E5.21	6.46	R10.06	R8.78	R63.1	R6.09	R13.7	5.70
May	E4.56	5.92	11.01	8.52	55.0	5.44	12.0	NA
June	E3.88	NA	NA	NA	NA	NA	NA	NA
July	E3.39	NA	NA	NA	NA	NA	NA	NA
2001 YTD[c]	**E5.16**	**7.31**	**10.07**	**9.18**	**65.5**	**6.93**	**14.4**	**6.75**
2000 YTD[c]	**E2.81**	**3.55**	**6.74**	**5.54**	**66.1**	**3.62**	**15.9**	**2.98**
1999 YTD[c]	**1.94**	**2.91**	**6.25**	**5.19**	**69.0**	**3.01**	**16.8**	**2.26**

[a] See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

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

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

R Revised Data.

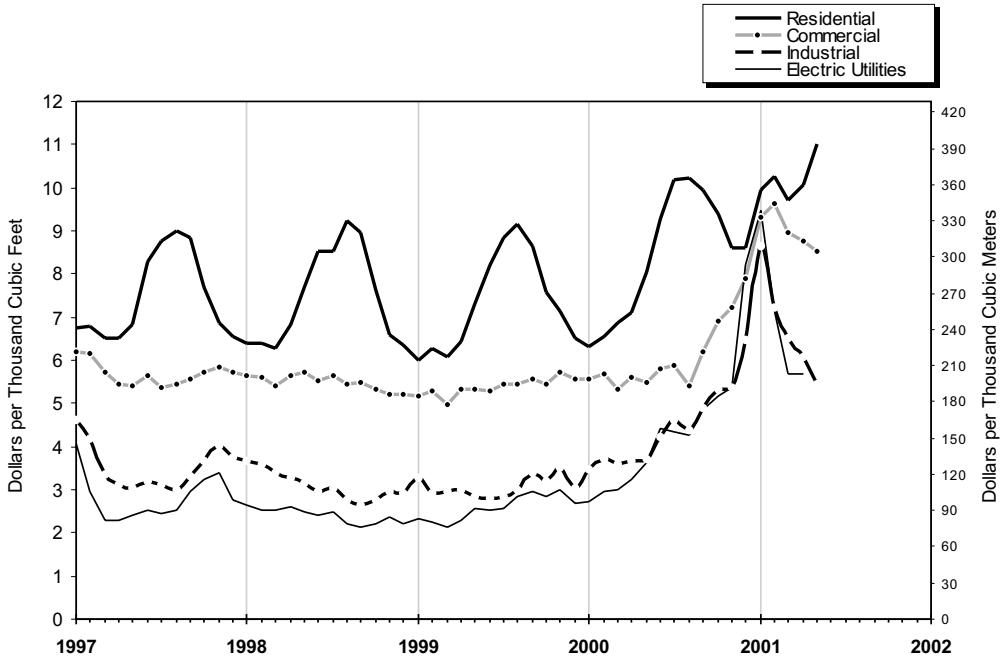
E Estimated Data.

NA Not Available.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use. See Explanatory Note 5 for further explanation.

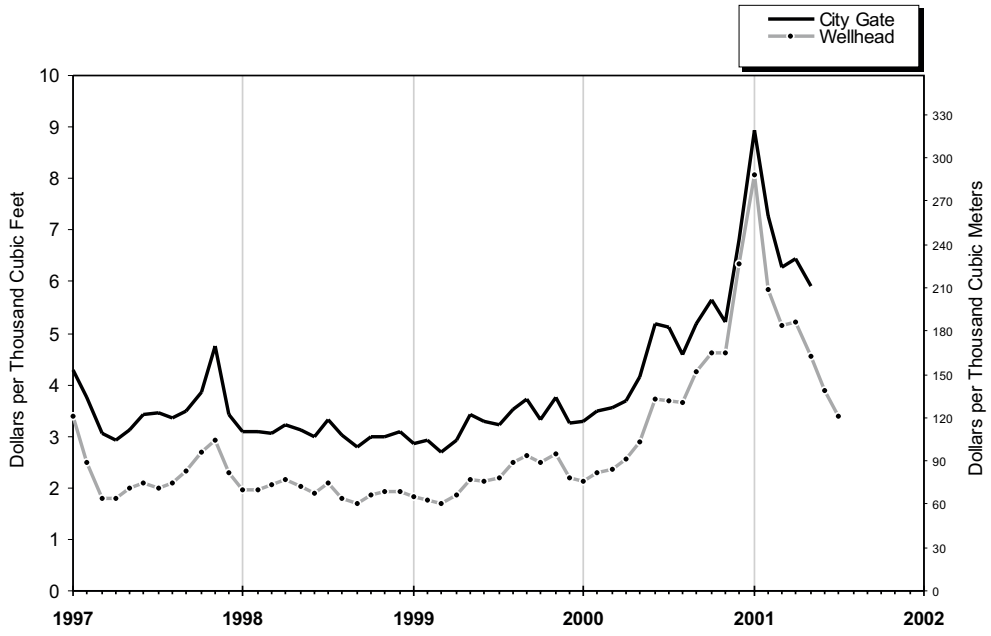
Sources: 1995-1999: Energy Information Administration (EIA) *Natural Gas Annual 1999.* January 2000 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1997-2001



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 1997-2001



Source: Table 4.

Table 5

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

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

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1995 Total	**2,816,408**	**1.48**	**6,722**	**1.53**	**17,918**	**2.30**	**0**	—	**0**	—
1996 Total	**2,883,277**	**1.96**	**13,862**	**2.25**	**35,325**	**2.70**	**0**	—	**0**	—
1997 Total	**2,899,152**	**2.15**	**17,243**	**2.31**	**65,675**	**2.67**	**9,686**	**2.92**	**0**	—
1998 Total	**3,052,073**	**1.95**	**14,532**	**2.03**	**68,567**	**2.51**	**11,634**	**3.30**	**0**	—
1999										
January	292,833	2.02	4,891	1.74	13,066	2.42	0	—	0	—
February	269,126	1.90	4,398	1.69	7,684	2.51	2,557	3.55	0	—
March	287,769	1.77	751	1.60	13,090	2.44	0	—	0	—
April	257,065	1.83	4,193	2.02	7,637	2.35	0	—	0	—
May	275,219	2.18	6,844	1.94	3,898	2.13	0	—	0	—
June	260,240	2.13	4,978	2.12	2,528	2.17	2,314	2.33	0	—
July	278,424	2.17	3,877	2.21	5,134	2.18	0	—	0	—
August	288,717	2.39	6,028	2.61	2,554	2.17	2,302	2.37	0	—
September	280,798	2.64	4,643	2.39	7,593	2.49	0	—	0	—
October	287,177	2.50	4,168	2.49	5,118	2.48	2,309	2.42	0	—
November	284,514	2.85	6,463	2.31	2,440	2.85	0	—	0	—
December	305,663	2.32	3,296	2.08	5,021	2.51	2,422	2.76	0	—
Total	**3,367,545**	**2.23**	**54,530**	**2.14**	**75,763**	**2.41**	**11,904**	**2.70**	**0**	—
2000										
January	310,181	R2.42	2,911	2.30	5,026	R2.61	0	—	0	—
February	289,222	2.57	730	2.50	4,987	R3.76	0	—	0	—
March	291,469	2.60	316	2.60	3,990	R2.49	0	—	0	—
April	273,881	2.85	756	2.97	2,566	R2.72	2,274	R3.21	0	—
May	274,616	R3.05	0	—	2,453	R3.13	0	—	0	—
June	278,529	3.89	0	—	2,529	R3.53	0	—	2,488	R4.14
July	293,353	R3.99	27	4.01	2,562	R3.40	2,285	R3.26	2,496	R4.86
August	295,355	3.65	10	4.64	2,370	R3.87	0	—	2,510	R3.56
September	282,921	4.19	209	5.00	2,556	R4.11	1,270	R3.28	2,658	R3.52
October	296,022	5.27	1,115	5.17	7,570	R3.46	0	—	2,503	R5.80
November	309,337	R4.94	1,231	R5.61	2,552	R3.98	116	R3.44	0	—
December	349,079	7.47	4,297	8.73	R7,786	R4.29	0	—	0	—
Total	**3,543,966**	**3.97**	**11,601**	**5.43**	**R46,947**	**R3.48**	**5,945**	**R3.25**	**12,654**	**R4.37**
2001										
January	351,175	9.65	2,416	7.98	5,020	3.90	0	—	2,478	10.92
February	304,703	6.49	1,139	5.45	7,658	5.32	0	—	5,068	6.33
March	333,048	5.42	1,482	4.89	7,606	5.66	0	—	2,535	9.17
April	281,067	NA	E1,482	NA	4,998	NA	0	—	2,467	NA
May	R297,539	NA	E1,482	NA	R7,571	NA	0	—	R2,500	NA
June	E290,873	NA	E1,482	NA	3,943	NA	0	—	2,489	NA
2001 YTD	**E1,858,404**	NA	**E9,483**	NA	**36,795**	NA	**0**	—	**17,537**	NA
2000 YTD	**1,717,899**	**2.89**	**4,713**	**2.46**	**21,551**	**3.03**	**2,274**	**3.21**	**2,488**	**4.14**
1999 YTD	**1,642,252**	**1.97**	**26,055**	**1.90**	**47,903**	**2.39**	**4,871**	**2.97**	**0**	—

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports, by Country, 1995-2001

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

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	**0**	—	**0**	—	**0**	—	**0**	—	**2,841,048**	**1.49**
1996 Total	**0**	—	**0**	—	**4,949**	**3.46**	**0**	—	**2,937,413**	**1.97**
1997 Total	**0**	—	**0**	—	**2,417**	**3.74**	**0**	—	**2,994,173**	**2.17**
1998 Total	**0**	—	**0**	—	**5,252**	**2.63**	**0**	—	**3,152,058**	**1.97**
1999										
January	0	—	0	—	0	—	0	—	310,790	2.03
February	2,647	2.72	0	—	0	—	0	—	286,412	1.93
March	0	—	0	—	0	—	0	—	301,610	1.80
April	2,492	1.91	0	—	0	—	0	—	271,387	1.85
May	0	—	5,493	1.88	0	—	0	—	291,454	2.17
June	2,417	1.94	6,619	2.08	0	—	0	—	279,096	2.13
July	2,388	2.61	6,599	2.11	0	—	0	—	296,422	2.18
August	0	—	9,904	2.33	0	—	[a]2,576	2.36	312,081	2.39
September	4,987	2.74	4,393	2.55	0	—	0	—	302,414	2.63
October	0	—	5,865	2.57	0	—	0	—	304,637	2.50
November	2,374	3.45	6,648	2.85	2,713	3.03	0	—	305,152	2.85
December	2,392	3.59	5,256	2.83	0	—	0	—	324,050	2.34
Total	**19,697**	**2.71**	**50,777**	**2.39**	**2,713**	**3.03**	**[a]2,576**	**2.36**	**3,585,505**	**2.24**
2000										
January	0	—	7,780	3.01	0	—	0	—	325,897	2.44
February	0	—	5,168	[R]2.91	0	—	0	—	300,107	[R]2.60
March	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April	7,254	2.71	7,285	[R]3.05	0	—	0	—	294,016	[R]2.86
May	0	—	10,723	3.05	0	—	0	—	287,793	[R]3.05
June	2,385	[R]2.76	7,390	[R]3.48	2,725	[R]3.53	0	—	296,046	3.87
July	4,793	3.97	14,307	[R]3.30	0	—	[b]2,464	[R]2.86	322,285	3.94
August	7,167	3.15	8,435	[R]3.30	0	—	[b]2,461	[R]2.86	318,308	3.62
September	7,625	3.97	4,864	2.98	0	—	[b]2,740	[R]4.20	304,843	4.15
October	7,165	4.14	7,392	3.65	0	—	[c]2,760	3.99	324,527	5.16
November	7,241	3.32	6,950	3.85	0	—	[b]2,333	[R]3.44	329,759	[R]4.86
December	0	—	10,262	[R]5.14	0	—	0	—	[R]371,425	[R]7.35
Total	**46,057**	**3.44**	**98,949**	**[R]3.43**	**2,725**	**[R]3.53**	**12,758**	**[R]3.50**	**[R]3,781,603**	**3.95**
2001										
January	0	—	9,215	6.80	0	—	0	—	370,303	9.50
February	0	—	6,635	4.63	0	—	[b]2,738	8.62	327,941	6.44
March	2,400	3.17	9,221	4.54	0	—	0	—	356,293	5.41
April	2,452	NA	8,030	NA	0	—	[b]1,702	NA	[E]302,198	NA
May	[R]4,975	NA	[R]9,531	NA	0	—	0	—	[RE]323,596	NA
June	2,521	NA	10,407	NA	0	—	[b]1,611	NA	[E]313,326	NA
2001 YTD	**12,349**	NA	**53,038**	NA	**0**	—	**6,051**	NA	**[E]1,993,656**	NA
2000 YTD	**12,067**	**2.74**	**46,739**	**3.07**	**2,725**	**3.53**	**0**	—	**1,810,455**	**2.89**
1999 YTD	**7,556**	**2.20**	**12,112**	**1.99**	**0**	—	**0**	—	**1,740,749**	**1.98**

[a] Received from Malaysia.
[b] Received from Oman.
[c] Received from Indonesia.
[R] Revised Data.
[E] Estimated Data.
[RE] Revised Estimated Data.
NA Not Available.
— Not Applicable.

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6

Table 6. U.S. Natural Gas Exports, by Country, 1995-2001

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

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1995 Total	**27,554**	**1.96**	**61,283**	**1.50**	**65,283**	**3.41**	**0**	—	**154,119**	**2.39**
1996 Total	**51,905**	**2.67**	**33,840**	**2.11**	**67,648**	**3.65**	**0**	—	**153,393**	**2.97**
1997 Total	**56,447**	**2.52**	**38,372**	**2.46**	**62,187**	**3.83**	**0**	—	**157,006**	**3.02**
1998 Total	**39,891**	**2.25**	**53,133**	**2.04**	**65,951**	**2.91**	**33**	**5.69**	**159,007**	**2.45**
1999										
January	2,264	1.92	4,526	1.81	5,586	2.95	24	7.41	12,400	2.36
February	2,564	1.93	4,777	1.72	5,564	2.94	29	7.39	12,934	2.30
March	4,494	1.80	5,950	1.62	5,570	2.88	21	7.33	16,035	2.11
April	2,246	1.80	5,049	1.87	5,687	2.77	19	7.13	13,001	2.26
May	2,212	2.26	6,108	2.27	5,644	2.78	24	7.42	13,988	2.48
June	1,953	2.14	5,278	2.29	3,754	2.77	18	7.28	11,003	2.44
July	1,987	2.19	5,612	2.31	5,675	2.88	20	7.14	13,294	2.54
August	2,018	2.41	5,398	2.70	5,643	3.11	20	7.36	13,079	2.84
September	1,959	2.80	5,267	2.89	5,605	3.23	21	7.26	12,852	3.03
October	2,339	2.63	4,086	2.68	3,723	3.28	13	7.07	10,161	2.89
November	8,018	2.95	5,001	2.89	5,579	3.56	30	5.85	18,628	3.12
December	6,454	2.39	3,973	2.28	5,577	3.81	36	5.82	16,040	2.86
Total	**38,508**	**2.35**	**61,025**	**2.27**	**63,607**	**3.08**	**275**	**6.95**	**163,415**	**2.61**
2000										
January	R6,234	R2.50	5,937	2.39	5,569	4.04	36	5.82	R17,776	R2.95
February	R9,017	2.70	6,394	2.62	5,566	4.08	37	5.82	R21,015	3.05
March	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May	R3,732	3.15	10,338	3.23	5,709	4.27	31	5.82	R19,810	3.52
June	R3,742	R4.11	8,714	4.30	3,763	4.34	30	5.82	R16,249	R4.27
July	R3,762	4.37	10,157	4.52	5,597	4.36	29	5.82	R19,546	4.45
August	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September	R4,682	4.76	10,265	5.07	5,592	4.37	28	5.82	R20,568	4.81
October	5,327	5.26	10,197	5.31	7,512	4.51	35	5.82	23,070	5.04
November	R9,877	R3.97	9,154	4.78	5,686	4.49	51	5.82	R24,767	R4.39
December	R10,169	R4.32	6,834	8.57	5,579	4.51	38	5.82	R22,621	R5.65
Total	**R72,586**	**R3.66**	**105,102**	**4.26**	**65,610**	**4.31**	**418**	**5.82**	**R243,716**	**4.10**
2001										
January	11,818	7.07	7,939	10.20	5,571	4.68	47	5.82	25,374	7.52
February	15,796	5.44	7,863	6.95	3,714	4.73	42	5.82	27,414	5.78
March	19,691	4.48	6,965	6.08	5,569	4.70	42	5.82	32,266	4.87
April	RE16,591	NA	E6,834	NA	5,594	NA	NA	NA	RE29,019	NA
May	RE15,973	NA	E6,834	NA	5,677	NA	NA	NA	RE28,484	NA
June	E15,973	NA	E6,834	NA	3,780	NA	NA	NA	E26,587	NA
2001 YTD	**E95,841**	NA	**E43,269**	NA	**29,904**	NA	NA	NA	**E169,145**	NA
2000 YTD	**34,869**	**2.89**	**47,246**	**3.10**	**30,045**	**4.19**	**209**	**5.82**	**112,369**	**3.33**
1999 YTD	**15,733**	**1.94**	**31,688**	**1.94**	**31,805**	**2.85**	**135**	**7.34**	**79,361**	**2.32**

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

Sources: January 1995 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet)

Year and Month	Alabama[b]	Alaska	Arizona	California	Colorado	Florida	Kansas
1995 Total	**519,661**	**469,550**	**558**	**279,555**	**523,084**	**6,463**	**721,436**
1996 Total	**530,841**	**480,828**	**463**	**286,494**	**572,071**	**6,006**	**712,796**
1997 Total	**583,272**	**468,311**	**452**	**285,690**	**637,375**	**6,114**	**687,215**
1998 Total	**563,779**	**466,648**	**457**	**315,277**	**696,321**	**5,796**	**603,586**
1999							
January	47,546	43,013	31	31,961	62,170	511	52,200
February	43,684	38,930	27	27,952	63,344	503	43,801
March	45,306	42,128	35	30,224	61,664	604	47,290
April	42,455	38,249	37	28,811	57,978	548	45,904
May	47,604	35,039	39	31,170	63,312	537	46,147
June	46,613	35,938	44	30,778	62,489	442	46,452
July	46,686	35,896	60	33,356	61,282	499	46,254
August	45,972	35,853	51	34,047	61,337	480	45,902
September	44,743	36,627	43	33,273	58,761	501	44,294
October	45,420	39,617	43	34,685	62,548	427	45,342
November	45,157	39,158	35	33,373	61,819	408	44,094
December	46,085	42,517	28	33,085	62,383	473	45,740
Total	**547,271**	**462,967**	**474**	**382,715**	**739,085**	**5,933**	**553,419**
2000							
January	32,259	43,584	37	31,011	[E]63,486	499	44,772
February	30,264	38,884	33	28,855	[E]60,681	480	42,199
March	31,540	39,274	26	31,351	[E]64,312	567	40,737
April	30,422	39,084	28	30,645	[E]62,013	[E]500	49,749
May	31,134	35,171	31	31,886	[E]64,061	535	43,445
June	29,595	35,120	32	29,799	[E]62,366	475	43,565
July	30,209	36,894	32	31,124	[E]63,526	528	42,591
August	30,436	38,609	33	32,702	[E]64,198	531	43,918
September	28,739	36,679	33	30,954	[E]62,063	526	40,524
October	29,825	41,958	33	32,255	[E]65,494	510	39,917
November	29,229	39,869	32	31,474	[E]65,029	448	39,559
December	29,773	43,293	24	32,831	[E]66,724	511	39,820
Total	**363,425**	**468,418**	**375**	**374,888**	**[E]763,954**	**[E]6,110**	**510,796**
2001							
January	30,460	[E]44,546	31	32,450	[E]67,408	[E]568	[R]41,780
February	27,096	[E]38,729	28	29,821	[E]65,125	[E]575	[R]36,909
March	[R]29,918	[E]41,347	31	[R]32,074	[E]67,993	[E]712	[R]40,535
April	28,857	[E]37,562	32	30,325	[E]65,399	[E]621	39,420
2001 YTD	**116,332**	**[E]162,184**	**122**	**124,671**	**[E]265,926**	**[E]2,476**	**158,645**
2000 YTD	**124,485**	**160,826**	**124**	**121,863**	**[E]250,492**	**[E]2,046**	**177,456**
1999 YTD	**178,992**	**162,320**	**131**	**118,948**	**245,155**	**2,166**	**189,195**

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet) — Continued

Year and Month	Louisiana[b]	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1995 Total	**5,108,366**	**238,203**	**95,533**	**50,264**	**1,625,837**	**49,468**	**1,811,734**
1996 Total	**5,289,742**	**245,740**	**103,263**	**50,996**	**1,554,087**	**49,674**	**1,734,887**
1997 Total	**5,229,821**	**305,950**	**107,300**	**52,437**	**1,558,633**	**52,401**	**1,703,888**
1998 Total	**5,287,870**	**278,076**	**108,068**	**57,645**	**1,501,098**	**53,185**	**1,644,531**
1999							
January	459,044	20,743	9,152	5,235	129,321	4,408	135,369
February	417,264	8,426	8,678	4,768	116,787	3,931	121,063
March	462,267	40,112	9,933	5,240	128,657	4,227	133,865
April	451,763	22,574	9,426	4,889	126,045	4,299	125,362
May	457,608	25,240	9,708	5,057	125,612	4,345	128,071
June	437,730	25,084	9,480	4,666	125,381	4,333	128,410
July	455,946	23,988	9,542	5,178	127,971	4,578	134,140
August	451,409	19,154	9,406	5,123	130,728	4,542	139,529
September	429,403	24,652	9,198	5,026	124,664	4,432	126,716
October	439,129	13,540	9,050	5,305	130,728	4,613	139,787
November	422,311	21,676	8,608	5,048	127,749	4,534	130,810
December	429,918	32,175	8,840	5,629	118,027	4,622	127,725
Total	**5,313,794**	**277,364**	**111,021**	**61,163**	**1,511,671**	**52,862**	**1,570,847**
2000							
January	448,056	22,664	8,241	5,938	119,673	4,596	140,133
February	421,148	16,043	5,386	5,544	134,734	4,114	125,666
March	457,018	33,779	7,350	5,881	143,850	4,288	140,774
April	437,983	12,800	6,785	5,610	134,231	4,270	132,645
May	454,990	26,717	7,527	4,958	140,428	4,530	136,640
June	445,393	17,497	6,938	5,470	133,164	4,316	136,635
July	460,562	30,350	7,347	5,876	138,395	4,503	138,880
August	461,278	32,904	7,571	5,836	136,354	4,329	136,532
September	440,758	24,785	7,227	5,724	134,896	4,324	131,177
October	457,368	38,261	7,958	[E]5,544	134,889	4,496	139,660
November	451,086	25,905	7,693	[E]6,054	[E]124,678	4,167	[E]136,456
December	469,745	15,361	8,535	[E]6,528	[E]119,630	4,467	[E]141,005
Total	**5,405,385**	**297,067**	**88,558**	**[E]68,963**	**[E]1,594,923**	**52,402**	**[E]1,636,203**
2001							
January	467,724	27,354	8,958	[E]6,534	[E]129,950	4,537	[E]141,360
February	428,810	13,735	7,749	[E]6,071	[E]126,730	4,019	[E]129,640
March	474,754	29,621	8,398	[E]6,535	[E]138,899	4,548	[E]143,530
April	459,439	20,195	[E]7,804	[E]6,192	[E]132,924	4,564	[E]138,900
2001 YTD	**1,830,727**	**90,905**	**[E]32,909**	**[E]25,333**	**[E]528,503**	**17,669**	**[E]553,430**
2000 YTD	**1,764,205**	**85,287**	**27,762**	**22,973**	**532,487**	**17,268**	**539,218**
1999 YTD	**1,790,339**	**91,855**	**37,189**	**20,132**	**500,811**	**16,864**	**515,660**

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State, 1995-2001

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas[c]	Utah	Wyoming	Other[a] States	U.S. Total
1995 Total	**1,923**	**6,330,048**	**241,290**	**673,775**	**759,728**	**19,506,474**
1996 Total	**1,439**	**6,470,620**	**250,767**	**666,036**	**805,491**	**19,812,241**
1997 Total	**1,173**	**6,453,873**	**257,139**	**738,368**	**736,679**	**19,866,093**
1998 Total	**1,067**	**6,318,754**	**277,340**	**761,313**	**704,742**	**19,645,554**
1999						
January	83	526,872	23,467	68,995	73,022	1,693,142
February	84	482,797	21,141	63,372	64,209	1,530,761
March	120	528,147	23,878	69,149	67,861	1,700,709
April	111	509,507	22,076	65,885	64,148	1,620,068
May	113	526,194	22,771	63,061	65,032	1,656,660
June	111	504,194	21,828	68,120	63,027	1,615,119
July	110	524,016	21,707	66,954	64,718	1,662,881
August	74	513,844	21,493	68,293	63,445	1,650,681
September	90	499,047	19,725	68,694	64,276	1,594,165
October	124	517,242	21,610	72,965	70,415	1,652,589
November	134	495,575	21,364	70,952	68,512	1,601,317
December	138	490,218	21,554	76,691	71,915	1,617,763
Total	**1,291**	**6,117,653**	**262,614**	**823,132**	**800,579**	**19,595,854**
2000						
January	124	526,649	21,995	86,404	[E]75,054	[E]1,675,176
February	105	489,171	20,513	80,313	[E]66,471	[E]1,570,603
March	107	535,498	21,897	85,644	[E]71,039	[E]1,714,931
April	99	514,439	21,241	83,875	[E]67,479	[E]1,633,899
May	102	537,932	22,513	83,469	[E]68,351	[E]1,694,423
June	94	527,817	21,508	82,406	[E]65,614	[E]1,647,804
July	90	534,187	22,747	85,393	[E]67,413	[E]1,700,649
August	96	539,810	22,739	86,836	[E]66,494	[E]1,711,206
September	97	518,271	22,545	84,899	[E]65,743	[E]1,639,965
October	109	534,937	23,290	90,432	[E]72,477	[E]1,719,413
November	97	520,490	22,941	87,065	[E]69,533	[E]1,661,806
December	93	534,774	24,801	92,450	[E]73,488	[E]1,703,852
Total	**1,214**	**6,313,975**	**268,730**	**1,029,185**	**[E]829,157**	**[E]20,073,727**
2001						
January	[E]86	539,175	24,309	[E]90,291	[E]75,243	[RE]1,732,763
February	[E]78	485,370	22,368	[E]87,238	[E]66,477	[RE]1,576,569
March	[E]93	536,836	[R]24,876	[E]87,947	[E]70,821	[RE]1,739,470
April	[E]87	523,416	[E]23,955	[E]84,594	[E]67,189	[E]1,671,475
2001 YTD	**[E]344**	**2,084,797**	**[E]95,508**	**[E]350,069**	**[E]279,730**	**[E]6,720,278**
2000 YTD	**435**	**2,065,757**	**85,646**	**336,234**	**[E]280,043**	**[E]6,594,608**
1999 YTD	**397**	**2,047,322**	**90,562**	**267,401**	**269,240**	**6,544,680**

[a] Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 2000 and later data monthly values for these States are estimated.

[b] For Alabama and Louisiana, all data for 1995 through 1999 include Federal Offshore production. For 2000 and later, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

[c] Federal offshore production volumes are included.

[R] Revised Data.

[E] Estimated Data.

[RE] Revised Estimated Data.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: 1995-1999: Energy Information Administration (EIA), *Natural Gas Annual 1999*. January 2000 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, April 2001

(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed[a]	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	31,211	511	31,722	980	1,809	76	28,857
Alaska	[E]15,191	[E]262,582	[E]277,774	[E]239,498	0	[E]714	[E]37,562
Arizona	32	0	32	0	0	0	32
California	8,183	25,165	33,348	2,772	169	82	30,325
Colorado	[E]56,775	[E]9,242	[E]66,017	[E]550	0	[E]69	[E]65,399
Florida	[E]0	[E]701	[E]701	0	[E]81	0	[E]621
Kansas	35,831	3,696	39,527	67	0	40	39,420
Louisiana	404,303	60,778	465,082	3,648	0	1,995	459,439
Michigan	16,436	4,109	20,545	[E]145	0	206	20,195
Mississippi	[E]9,421	[E]422	[E]9,843	[E]484	[E]1,342	[E]213	[E]7,804
Montana	[E]5,454	[E]744	[E]6,198	[E]6	0	0	[E]6,192
New Mexico	[E]124,694	[E]17,422	[E]142,116	[E]864	[E]8,098	[E]230	[E]132,924
North Dakota	1,202	3,624	4,826	0	6	255	4,564
Oklahoma	[E]125,569	[E]13,331	[E]138,900	[E]0	[E]0	[E]0	[E]138,900
Oregon	[E]102	0	[E]102	0	[E]14	0	[E]87
Texas	464,092	112,297	576,389	37,301	13,247	2,425	523,416
Utah	[E]22,034	[E]2,962	[E]24,996	[E]43	0	[E]998	[E]23,955
Wyoming	[E]110,544	[E]8,729	[E]119,273	[E]5,688	[E]14,594	[E]14,396	[E]84,594
Other States	[E]65,819	[E]2,462	[E]68,280	[E]68	[E]415	[E]607	[E]67,189
Total	**[E]1,496,895**	**[E]528,776**	**[E]2,025,671**	**[E]292,114**	**[E]39,776**	**[E]22,306**	**[E]1,671,475**

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

[E] Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

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

Table 9. Underground Natural Gas Storage - All Operators, 1995-2001

(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]
1995 Total[a]	**4,349**	**2,153**	**6,503**	**-453**	**-17.4**	**2,566**	**2,974**	**408**
1996 Total[a]	**4,341**	**2,173**	**6,513**	**19**	**0.9**	**2,906**	**2,911**	**6**
1997 Total[a]	**4,350**	**2,175**	**6,525**	**2**	**0.1**	**2,800**	**2,824**	**24**
1998 Total[a]	**4,326**	**2,730**	**7,056**	**554**	**25.5**	**2,905**	**2,379**	**-526**
1999								
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
Total	—	—	—	—	—	**2,598**	**2,772**	**174**
2000								
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	[d]4,354	[d]2,699	7,053	-374	-12.2	313	87	-227
November	[d]4,358	[d]2,443	6,801	-622	-20.3	108	401	293
December	[d]4,352	[d]1,720	6,072	-803	-31.8	65	755	690
Total	—	—	—	—	—	**2,591**	**3,436**	**845**
2001								
January	4,344	1,265	5,609	-459	-26.6	93	559	467
February	4,328	912	5,241	-388	-29.8	71	409	338
March	4,300	742	5,042	-408	-35.5	113	293	181
April	4,261	992	5,253	-192	-16.2	345	68	-276
May	4,309	1,440	5,749	14	1.0	488	41	-448
June	4,298	1,874	6,172	168	9.8	467	48	-419
July(STIFS)	[RE]4,298	[RE]2,285	[RE]6,583	[RE]289	[RE]14.5	NA	NA	[RE]-411
August(STIFS)	[E]4,298	[E]2,604	[E]6,902	[E]414	[E]18.9	NA	NA	[E]-319

[a] Total as of December 31.

[b] Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1995 - 7,953; 1996 - 7,980; 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,246.

[c] Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

[d] Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

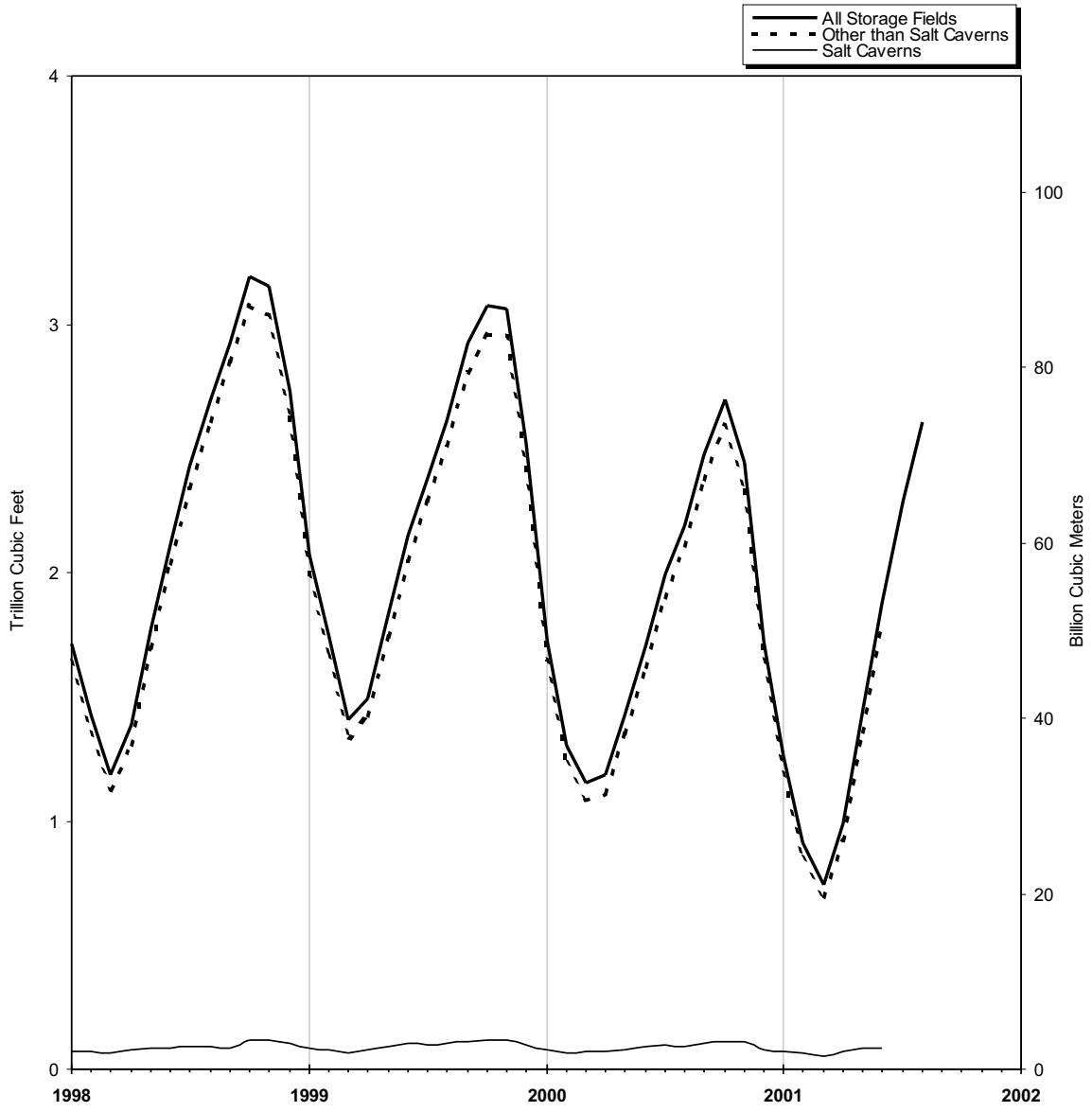
— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

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

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1998-2001



Sources: Tables 10, 11 and 12.

Table 10. Underground Natural Gas Storage - by Season, 1998-2001

(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals[a]
October 1998	4,342	3,191	7,533	302	10.6	308	46	-262
1998-1999 Heating Season								
November	4,344	3,155	7,499	453	16.9	137	168	31
December	4,326	2,730	7,056	554	25.5	83	519	436
January	4,332	2,073	6,404	361	21.1	58	682	624
February	4,329	1,746	6,075	319	22.4	63	385	321
March	4,383	1,406	5,789	223	18.9	87	384	297
Total	—	—	—	—	—	**428**	**2,137**	**1,709**
1999 Refill Season								
April	4,381	1,495	5,876	109	7.9	210	120	-90
May	4,371	1,835	6,206	61	3.4	381	45	-337
June	4,370	2,149	6,519	36	1.7	349	42	-307
July	4,370	2,379	6,749	-41	-2.0	298	81	-217
August	4,368	2,610	6,978	-88	-3.3	311	90	-221
September	4,369	2,923	7,292	-5	-0.2	358	43	-315
October	4,370	3,073	7,443	-118	-3.7	247	92	-155
Total	—	—	—	—	—	**2,154**	**511**	**-1,643**
1999-2000 Heating Season								
November	4,380	3,065	7,445	-90	-2.8	173	205	32
December	4,383	2,523	6,906	-207	-7.6	63	606	543
January	4,363	1,725	6,088	-370	-17.6	48	829	780
February	4,371	1,300	5,672	-491	-27.4	78	532	454
March	4,364	1,150	5,514	-280	-19.6	132	294	162
Total	—	—	—	—	—	**494**	**2,465**	**1,971**
2000 Refill Season								
April	4,363	1,184	5,547	-329	-21.8	181	145	-36
May	4,356	1,426	5,782	-420	-22.8	308	75	-232
June	4,355	1,706	6,061	-450	-20.9	339	67	-272
July	4,355	1,996	6,351	-394	-16.5	368	77	-290
August	4,355	2,190	6,544	-442	-16.8	296	102	-193
September	4,354	2,473	6,827	-450	-15.4	354	72	-282
October	[b]4,354	[b]2,699	7,053	-374	-12.2	313	87	-227
Total	—	—	—	—	—	**2,158**	**625**	**-1,533**
2000-2001 Heating Season								
November	[b]4,358	[b]2,443	6,801	-622	-20.3	108	401	293
December	[b]4,352	[b]1,720	6,072	-803	-31.8	65	755	690
January	4,344	1,265	5,609	-459	-26.6	93	559	467
February	4,328	912	5,241	-388	-29.8	71	409	338
March	4,300	742	5,042	-408	-35.5	113	293	181
Total	—	—	—	—	—	**450**	**2,418**	**1,967**
2001 Refill Season								
April	4,261	992	5,253	-192	-16.2	345	68	-276
May	4,309	1,440	5,749	14	1.0	488	41	-448
June	4,298	1,874	6,172	168	9.8	467	48	-419
July(STIFS)	[RE]4,298	[RE]2,285	[RE]6,583	[RE]289	[RE]14.5	NA	NA	[RE]-411
August(STIFS)	[E]4,298	[E]2,604	[E]6,902	[E]414	[E]18.9	NA	NA	[E]-319

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

[b] Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

[E] Estimated Data.

[RE] Revised Estimated Data.

NA Not Available.

— Not Applicable.

Notes: Data through 1999 are final. All other data are preliminary unless otherwise noted. Estimates for the most recent two months are derived from the Short-Term Integrated Forecasting System (STIFS). See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

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

Table 11

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1995-2001

(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
1995 Total[a]	**60**	**72**	**131**	**2**	**2.9**	**194**	**200**	**5**
1996 Total[a]	**64**	**85**	**149**	**14**	**18.8**	**258**	**246**	**-13**
1997 Total[a]	**67**	**83**	**150**	**-4**	**-3.0**	**267**	**274**	**6**
1998 Total[a]	**67**	**104**	**171**	**21**	**26.0**	**297**	**275**	**-22**
1999								
January	67	82	149	13	18.2	19	39	19
February	67	77	144	8	12.0	16	21	5
March	67	68	135	4	6.6	18	26	8
April	67	78	145	-3	-3.2	28	19	-9
May	67	94	161	12	14.2	29	12	-17
June	65	102	167	19	22.5	22	16	-6
July	65	96	161	5	5.5	16	25	8
August	66	102	168	10	10.7	23	16	-8
September	67	112	179	28	34.0	24	13	-10
October	67	115	182	-1	-0.6	23	21	-2
November	67	116	184	-2	-1.7	21	17	-4
December	69	100	169	-4	-4.0	19	35	16
Total	—	—	—	—	—	**260**	**259**	**-1**
2000								
January	68	75	143	-9	-10.4	15	49	34
February	69	66	135	-11	-14.4	23	21	-2
March	69	69	139	2	2.4	24	20	-4
April	70	74	144	-3	-3.8	24	19	-5
May	70	77	147	-17	-17.9	27	24	-3
June	70	89	160	-13	-12.6	28	15	-12
July	72	97	168	3	2.7	30	21	-9
August	72	88	161	-14	-13.5	21	30	9
September	72	101	172	-11	-9.9	30	18	-12
October	72	109	181	-6	-5.1	29	20	-9
November	69	111	180	-6	-4.8	22	24	2
December	70	75	145	-25	-25.4	19	53	34
Total	—	—	—	—	—	**291**	**314**	**23**
2001								
January	71	73	144	-2	-2.4	33	31	-1
February	69	67	136	1	1.1	19	27	8
March	69	53	122	-16	-23.6	20	34	14
April	69	71	140	-3	-4.4	33	15	-18
May	71	85	156	8	10.4	30	14	-16
June	71	85	155	-5	-5.1	26	25	-1

[a] Total as of December 31.

— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

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

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1995-2001

(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
1995 Total[a]	**4,290**	**2,082**	**6,371**	**-455**	**-17.9**	**2,372**	**2,774**	**403**
1996 Total[a]	**4,277**	**2,087**	**6,364**	**6**	**0.3**	**2,647**	**2,665**	**18**
1997 Total[a]	**4,283**	**2,092**	**6,375**	**4**	**0.2**	**2,533**	**2,551**	**18**
1998 Total[a]	**4,259**	**2,626**	**6,884**	**533**	**25.5**	**2,608**	**2,103**	**-504**
1999								
January	4,264	1,991	6,255	348	21.2	39	643	604
February	4,262	1,669	5,931	311	22.9	47	364	317
March	4,316	1,338	5,654	219	19.5	69	358	289
April	4,314	1,417	5,731	112	8.6	182	101	-81
May	4,305	1,740	6,045	49	2.9	352	32	-319
June	4,305	2,047	6,352	17	0.8	327	26	-301
July	4,305	2,284	6,588	-46	-2.3	282	56	-226
August	4,302	2,508	6,810	-98	-3.8	288	74	-214
September	4,302	2,811	7,114	-33	-1.2	334	29	-305
October	4,303	2,958	7,261	-117	-3.8	224	71	-153
November	4,313	2,949	7,261	-88	-2.9	151	187	36
December	4,314	2,423	6,738	-202	-7.7	44	571	527
Total	—	—	—	—	—	**2,338**	**2,512**	**175**
2000								
January	4,295	1,649	5,944	-361	-17.9	33	779	746
February	4,302	1,234	5,537	-480	-28.0	55	511	455
March	4,295	1,080	5,375	-282	-20.7	109	274	166
April	4,293	1,110	5,403	-326	-22.7	156	126	-30
May	4,285	1,349	5,635	-403	-23.0	280	51	-229
June	4,284	1,617	5,902	-437	-21.3	312	52	-260
July	4,284	1,899	6,183	-397	-17.3	338	56	-282
August	4,283	2,101	6,384	-428	-16.9	275	73	-202
September	4,283	2,372	6,655	-439	-15.6	324	54	-270
October	[b]4,282	[b]2,590	6,872	-368	-12.4	285	66	-218
November	[b]4,289	[b]2,333	6,621	-616	-20.9	86	377	291
December	[b]4,282	[b]1,646	5,928	-778	-32.1	47	703	656
Total	—	—	—	—	—	**2,299**	**3,122**	**822**
2001								
January	4,273	1,192	5,465	-457	-27.7	60	528	468
February	4,259	846	5,105	-389	-31.5	52	382	330
March	4,232	688	4,920	-392	-36.3	93	259	166
April	4,192	921	5,113	-189	-17.0	312	54	-259
May	4,239	1,355	5,594	6	0.4	458	27	-432
June	4,228	1,789	6,017	172	10.6	442	23	-418

[a] Total as of December 31.

[b] Reflects one respondent's reclassification of natural gas in underground storage from working gas to base gas.

— Not Applicable.

Notes: Data for 1995 through 1999 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

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

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet)

State	2001					
	June	May	April	March	February	January
Alabama	-576	44	-195	604	-241	330
Arkansas	-879	-992	-604	139	391	785
California	-29,462	-27,438	-17,361	-14,822	20,542	39,041
Colorado	-4,069	-2,301	660	1,787	4,374	4,138
Illinois	-25,936	-30,943	-12,251	14,412	43,450	42,940
Indiana	-3,159	-1,372	1,366	2,616	3,544	4,279
Iowa	-6,017	-5,532	-2,900	3,712	8,167	16,496
Kansas	-13,884	-14,428	-11,364	4,933	16,056	-3,218
Kentucky	-12,782	-11,456	-4,039	6,901	2,626	6,783
Louisiana	-30,405	-25,730	-22,513	5,213	96	30,425
Maryland	-3,098	-2,653	-1,402	1,215	2,382	2,235
Michigan	-80,530	-71,545	-36,155	43,738	76,815	66,029
Minnesota	-319	-152	23	154	323	489
Mississippi	-6,274	-2,821	-8,549	10,930	1,071	2,828
Missouri	-1,063	17	-51	1,242	379	-255
Montana	-4,034	-2,902	-1	1,629	4,504	4,208
Nebraska	-956	-1,908	-1,077	573	1,456	1,090
New Mexico	-403	-2,645	-1,573	-1,851	-1,657	25
New York	-11,212	-13,541	-6,630	8,160	11,920	13,182
Ohio	-32,303	-33,094	-15,734	22,906	27,160	41,777
Oklahoma	-23,745	-28,938	-23,624	415	12,522	24,484
Oregon	-2,561	-2,151	810	962	2,264	2,252
Pennsylvania	-53,024	-66,462	-43,608	47,171	51,475	69,205
Tennessee	-31	-113	-103	69	82	59
Texas	-34,795	-40,985	-43,016	2,704	8,957	41,565
Utah	-6,356	-7,254	-4,428	-2,807	4,031	12,277
Virginia	-402	-532	-434	283	92	517
Washington	-200	-8,283	-2,300	592	6,110	2,608
West Virginia	-28,838	-39,499	-18,243	16,521	26,341	36,787
Wyoming	-1,800	-2,052	-1,073	534	2,586	3,225
AGA Regions						
Producing	-110,384	-116,537	-111,243	22,484	37,436	96,894
Eastern Consuming	-259,927	-278,588	-141,454	170,123	255,647	301,453
Western Consuming	-48,800	-52,532	-23,671	-11,971	44,735	68,237
Total	**-419,111**	**-447,658**	**-276,368**	**180,636**	**337,818**	**466,585**

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	2000						
	Total	December	November	October	September	August	July
Alabama	442	85	203	142	110	0	-82
Arkansas	3,033	2,077	432	-397	-268	-680	-649
California	50,820	6,831	27,276	-10,226	-1,265	19,352	445
Colorado	7,842	4,853	3,997	-1,948	-2,199	-4,786	-4,625
Illinois	21,522	49,879	25,938	-34,383	-31,497	-28,597	-28,764
Indiana	3,461	7,070	-611	-4,337	-3,365	-2,742	-2,234
Iowa	13,521	22,525	10,744	-13,491	-12,835	-11,670	-10,921
Kansas	31,383	23,268	21,088	-18,798	-16,291	-987	-9,930
Kentucky	28,175	22,098	10,789	-8,493	-10,337	-6,477	-10,659
Louisiana	101,886	67,243	11,299	-18,447	-15,935	-12,898	-23,151
Maryland	4,700	5,242	1,346	-285	-44	-2,244	-2,002
Michigan	156,410	102,282	54,268	-37,909	-46,403	-52,904	-49,908
Minnesota	418	604	-92	-199	-266	-272	-343
Mississippi	2,237	14,226	4,898	-4,385	-4,631	-3,417	-5,252
Missouri	662	1,111	-190	-353	-711	215	17
Montana	13,893	5,167	3,716	49	-957	-2,261	-2,039
Nebraska	4,366	1,124	1,622	-504	-764	225	-620
New Mexico	-570	417	-296	-906	-50	1,041	800
New York	9,890	17,274	5,063	-4,037	-7,910	-7,494	-10,087
Ohio	56,994	60,771	23,882	-10,000	-23,629	-24,973	-33,090
Oklahoma	92,652	42,260	16,069	-9,297	-14,618	1,344	-2,413
Oregon	1,481	1,476	798	143	0	-2,017	-2,209
Pennsylvania	46,047	95,842	21,847	-26,478	-47,291	-32,838	-52,073
Tennessee	205	0	0	-114	0	0	0
Texas	130,785	67,670	12,612	-13,107	-8,249	13,808	-1,272
Utah	7,354	10,929	9,079	1,050	-5,510	-6,540	-6,654
Virginia	393	695	344	-245	-201	-212	-214
Washington	1,932	-1,986	3,781	1,188	-2,835	909	-3,739
West Virginia	44,507	55,093	20,779	-11,536	-23,871	-25,345	-28,215
Wyoming	8,584	3,622	2,005	341	-360	-897	-517
AGA Regions							
Producing	361,405	217,161	66,102	-65,338	-60,041	-1,789	-41,867
Eastern Consuming	391,295	441,090	176,022	-152,019	-208,748	-195,056	-228,850
Western Consuming	92,325	31,496	50,560	-9,603	-13,394	3,486	-19,680
Total	**845,025**	**689,747**	**292,684**	**-226,961**	**-282,183**	**-193,359**	**-290,397**

See footnotes at end of table.

Table 13

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	2000						1999
	June	May	April	March	February	January	Total
Alabama	-594	-90	66	-8	-307	916	-164
Arkansas	-444	-698	-287	997	1,228	1,722	233
California	-6,789	-10,967	-19,885	-3,144	21,871	27,322	8,194
Colorado	-4,611	-751	1,382	6,707	3,627	6,198	-1,502
Illinois	-33,160	-13,295	13,190	8,776	34,403	59,032	-2,715
Indiana	-1,939	-258	1,350	2,031	1,448	7,049	-244
Iowa	-5,856	-4,399	1,706	5,207	11,385	21,126	2,445
Kansas	-9,788	-6,106	2,275	11,548	9,643	25,461	15,568
Kentucky	-6,185	-4,062	3,470	6,759	10,109	21,162	2,725
Louisiana	-22,366	-4,878	9,828	19,976	38,771	52,444	9,530
Maryland	-2,999	-2,480	-633	-65	3,384	5,481	-63
Michigan	-45,556	-48,446	-6,666	44,807	80,436	162,410	32,938
Minnesota	-131	2	116	301	298	401	-253
Mississippi	-5,226	-4,057	527	-1,228	-595	11,377	14,502
Missouri	20	-25	103	-98	-548	1,122	-567
Montana	-456	522	621	2,164	3,191	4,177	7,884
Nebraska	1,077	-78	-92	42	1,313	1,019	473
New Mexico	-794	-469	-2,587	208	1,034	1,032	-2,289
New York	-9,999	-8,663	-2,854	6,360	13,702	18,533	7,825
Ohio	-21,527	-28,909	-5,163	24,219	36,569	58,844	16,019
Oklahoma	-9,952	-9,562	-5,856	2,165	36,526	45,987	-6,703
Oregon	-2,043	-869	783	1,766	1,566	2,088	-589
Pennsylvania	-42,668	-52,902	-7,196	11,168	66,917	111,718	23,197
Tennessee	0	0	18	63	63	175	-34
Texas	-7,124	-2,892	-10,396	-9,237	34,595	54,376	5,985
Utah	-5,712	-5,531	-4,447	3,012	7,585	10,093	9,193
Virginia	-214	-278	-114	32	105	695	92
Washington	-3,660	-2,639	-893	1,485	2,566	7,755	-1,213
West Virginia	-22,374	-18,051	-4,487	14,440	30,334	57,742	34,622
Wyoming	-1,168	-1,590	507	1,332	2,373	2,935	-1,063
AGA Regions							
Producing	-55,693	-28,663	-6,496	24,430	121,202	192,398	36,826
Eastern Consuming	-191,974	-181,936	-7,304	123,733	289,313	527,024	116,549
Western Consuming	-24,570	-21,823	-21,815	13,622	43,076	60,969	20,650
Total	**-272,238**	**-232,422**	**-35,615**	**161,785**	**453,592**	**780,391**	**174,025**

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 1999-2001

(Volumes in Million Cubic Feet) — Continued

State	1999						
	December	November	October	September	August	July	June
Alabama	189	-134	77	-402	-81	-235	-210
Arkansas	1,276	423	-219	-237	-901	-1,116	-1,086
California	24,198	-4,553	-4,598	-9,527	3,398	-10,930	-20,225
Colorado	5,058	-902	-2,450	-4,903	-5,456	-6,717	-5,545
Illinois	42,415	2,345	-31,518	-38,163	-32,748	-25,990	-25,952
Indiana	4,419	-2,227	-3,862	-4,404	-2,939	-1,815	-1,755
Iowa	21,305	1,096	-10,941	-13,108	-11,316	-10,783	-6,837
Kansas	22,458	873	-1,078	-14,542	-9,853	-3,081	-17,117
Kentucky	10,737	2,295	-1,066	-9,932	-1,223	-3,733	-9,995
Louisiana	39,997	6,656	-11,735	-32,398	-3,887	-3,692	-20,249
Maryland	1,420	460	-3,376	-1,411	-1,953	1,324	93
Michigan	105,683	6,548	-24,215	-49,773	-56,778	-40,734	-50,367
Minnesota	147	-128	-175	-272	-250	-308	-172
Mississippi	9,530	-2,778	1,041	-2,219	-1,267	927	-3,757
Missouri	340	-174	-205	-408	-64	6	6
Montana	2,618	1,154	493	-1,484	-2,544	-1,795	-1,786
Nebraska	557	-252	-440	-1,645	-949	522	-651
New Mexico	814	-1,202	-259	-2,232	-841	-172	-443
New York	12,574	1,488	-948	-5,728	-6,898	-5,916	-6,912
Ohio	44,624	8,737	-9,815	-25,793	-28,634	-28,566	-28,724
Oklahoma	19,463	-2,807	-11,571	-15,615	501	-979	-9,663
Oregon	1,350	-593	0	-1,546	-1,316	-2,119	-2,018
Pennsylvania	69,287	4,253	-19,029	-41,496	-35,101	-27,893	-36,043
Tennessee	164	56	-57	-105	-104	-76	-107
Texas	38,524	-652	-12,103	-10,456	9,511	-6,126	-21,731
Utah	12,584	957	-1,889	-4,860	-4,582	-7,489	-5,915
Virginia	455	181	-109	-414	-207	-211	-213
Washington	1,577	-152	-1,462	-477	-477	-3,748	-1,875
West Virginia	46,561	10,665	-3,320	-20,427	-23,063	-23,750	-26,485
Wyoming	2,359	539	-307	-1,030	-1,371	-2,294	-1,662
AGA Regions							
Producing	132,062	515	-35,924	-77,700	-6,737	-14,239	-74,047
Eastern Consuming	360,730	35,337	-108,825	-213,208	-202,059	-167,850	-194,151
Western Consuming	49,889	-3,678	-10,388	-24,100	-12,599	-35,399	-39,197
Total	**542,681**	**32,174**	**-155,137**	**-315,007**	**-221,395**	**-217,488**	**-307,395**

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 1999 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

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

Table 14

Table 14. Activities of Underground Natural Gas Storage Operators, by State, June 2001

(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	3,280	1,190	1,384	2,574	-413	-23.0	618	42
Arkansas	24,191	8,715	4,995	13,710	167	3.5	879	0
California	388,370	249,325	153,135	402,460	-7,482	-4.7	30,546	1,084
Colorado	99,600	48,255	23,598	71,853	-202	-0.8	4,346	277
Illinois	898,565	668,481	140,178	808,660	22,809	19.4	28,868	2,932
Indiana	113,210	73,718	20,551	94,269	-917	-4.3	3,207	49
Iowa	273,200	197,715	18,339	216,054	778	4.4	6,544	527
Kansas	301,102	178,152	60,270	238,422	15,503	34.6	14,863	979
Kentucky	219,908	109,265	74,948	184,213	14,388	23.8	12,810	28
Louisiana	564,062	269,096	161,189	430,285	53,559	49.8	38,156	7,751
Maryland	62,000	46,677	9,507	56,184	-705	-6.9	3,138	41
Michigan	1,071,699	453,281	283,950	737,231	-40,412	-12.5	84,797	4,268
Minnesota	7,000	4,840	1,029	5,869	-168	-14.0	319	0
Mississippi	134,012	77,715	44,051	121,766	7,155	19.4	8,422	2,148
Missouri	31,274	21,600	8,897	30,497	-359	-3.9	1,080	17
Montana	371,510	167,341	21,092	188,433	-7,090	-25.2	4,732	698
Nebraska	39,469	26,995	4,636	31,631	3,562	331.7	1,135	179
New Mexico	96,600	29,766	9,153	38,919	-830	-8.3	1,330	926
New York	175,129	96,042	51,086	147,128	5,677	12.5	11,414	203
Ohio	575,384	344,048	88,360	432,407	2,195	2.5	32,836	533
Oklahoma	394,827	200,306	100,518	300,825	24,636	32.5	25,159	1,414
Oregon	13,342	9,352	5,961	15,313	1,686	39.4	2,561	0
Pennsylvania	710,890	341,081	229,970	571,050	25,804	12.6	55,642	2,618
Tennessee	1,200	340	638	978	266	71.7	32	1
Texas	701,226	249,810	203,164	452,973	17,306	9.3	55,181	20,386
Utah	121,980	64,601	26,861	91,461	2,157	8.7	6,356	0
Virginia	4,669	2,312	1,869	4,180	21	1.1	402	0
Washington	37,300	19,000	15,790	34,790	3,940	33.2	1,049	849
West Virginia	733,158	278,383	96,120	374,503	30,093	45.6	29,075	238
Wyoming	105,869	60,782	12,891	73,673	-5,417	-29.6	1,806	7
AGA Regions								
Producing	2,216,020	1,013,560	583,340	1,596,900	117,497	25.2	143,989	33,605
Eastern Consuming	4,913,035	2,661,128	1,030,432	3,691,561	62,789	6.5	271,601	11,674
Western Consuming	1,144,971	623,495	260,357	883,852	-12,575	-4.6	51,715	2,915
Total	**8,274,026**	**4,298,183**	**1,874,129**	**6,172,313**	**167,710**	**9.8**	**467,306**	**48,194**

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The American Gas Association (AGA) publishes weekly estimates of working gas levels in underground storage by region. AGA defines the Producing Region as Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, and Mississippi; the Eastern Consuming Region as all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region as all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

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

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				May	April	March
Alabama	33,779	28,314	27,338	1,893	4,605	5,643
Alaska	7,675	8,100	9,221	980	1,182	1,813
Arizona	23,972	22,343	21,064	1,896	2,824	5,439
Arkansas	NA	21,291	24,825	NA	NA	NA
California	286,479	265,569	336,505	30,433	41,474	58,633
Colorado	81,266	67,806	69,754	8,234	12,557	17,892
Connecticut	25,727	25,117	24,728	1,309	3,644	6,135
Delaware	6,732	6,278	6,099	461	1,048	1,564
District of Columbia	10,086	9,350	9,510	595	1,390	2,178
Florida	9,761	8,406	7,523	955	1,310	1,510
Georgia	NA	69,038	53,522	4,742	NA	17,069
Hawaii	232	239	231	46	47	49
Idaho	12,188	10,684	11,126	1,063	1,794	2,379
Illinois	260,489	245,163	263,988	14,452	26,454	61,269
Indiana	NA	92,015	97,690	NA	NA	NA
Iowa	47,170	40,780	45,253	2,639	5,559	11,095
Kansas	49,844	41,895	45,801	2,437	5,758	11,650
Kentucky	34,580	33,751	35,323	1,307	2,488	9,204
Louisiana	NA	26,392	27,160	2,183	3,698	NA
Maine	NA	586	544	NA	NA	NA
Maryland	52,151	47,390	46,588	3,035	6,713	11,619
Massachusetts	NA	70,829	58,302	NA	R11,768	NA
Michigan	229,704	214,710	223,323	16,531	33,454	55,739
Minnesota	77,906	70,233	71,328	4,833	9,565	17,617
Mississippi	NA	15,221	15,652	1,142	1,958	NA
Missouri	81,482	69,093	75,782	3,840	9,594	17,971
Montana	12,142	10,540	11,341	1,047	1,906	2,583
Nebraska	30,612	25,626	26,477	2,564	4,461	6,229
Nevada	19,035	16,152	17,122	1,640	2,470	3,974
New Hampshire	NA	4,637	4,313	321	NA	839
New Jersey	138,577	129,604	136,499	9,242	20,570	32,905
New Mexico	17,570	17,667	19,029	1,190	1,948	2,762
New York	NA	250,302	234,949	22,366	R42,975	NA
North Carolina	41,930	39,093	35,991	2,045	5,034	7,881
North Dakota	6,165	6,430	6,696	366	818	1,267
Ohio	226,166	193,433	199,193	13,532	30,542	R52,879
Oklahoma	43,710	37,330	42,155	2,313	5,668	9,987
Oregon	NA	23,169	24,177	2,681	3,921	5,075
Pennsylvania	NA	153,541	153,489	NA	NA	R38,814
Rhode Island	12,482	12,029	11,099	1,030	2,133	2,881
South Carolina	19,301	17,923	17,047	992	2,463	3,238
South Dakota	7,692	6,912	7,491	547	1,039	1,770
Tennessee	47,331	40,543	40,126	2,327	R5,352	9,693
Texas	141,288	104,310	109,785	8,492	15,626	R25,405
Utah	29,848	26,925	29,300	1,888	4,120	5,561
Vermont	1,873	1,818	1,690	146	316	420
Virginia	48,889	45,124	43,659	2,377	5,712	10,828
Washington	NA	41,383	42,619	NA	NA	NA
West Virginia	NA	20,382	20,958	NA	3,502	NA
Wisconsin	NA	73,368	74,280	NA	8,545	21,640
Wyoming	6,225	6,652	7,410	610	803	1,101
Total	**3,093,687**	**2,815,482**	**2,925,075**	**215,091**	**R407,496**	**R690,449**

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001		2000			
	February	January	Total	December	November	October
Alabama	8,644	12,994	46,063	8,330	2,882	1,689
Alaska	1,824	1,876	15,979	2,013	1,748	1,454
Arizona	7,072	6,739	R36,745	6,038	2,951	1,133
Arkansas	NA	NA	NA	R10,483	R5,333	NA
California	71,182	84,757	516,494	68,423	52,076	31,726
Colorado	R20,481	22,102	R117,502	20,828	10,867	5,548
Connecticut	6,215	8,425	R41,870	6,804	3,824	2,280
Delaware	1,715	1,943	9,464	1,403	615	269
District of Columbia	2,544	3,379	14,951	2,479	1,037	537
Florida	2,635	3,351	R15,127	1,932	992	826
Georgia	16,513	28,880	144,499	35,319	16,674	7,019
Hawaii	43	48	535	44	42	41
Idaho	3,455	3,497	R18,714	R3,211	2,107	843
Illinois	72,405	85,909	466,956	99,505	55,887	21,831
Indiana	NA	NA	160,534	32,801	15,546	R6,762
Iowa	13,101	14,777	73,842	15,570	8,096	3,114
Kansas	12,213	17,787	R70,562	14,361	5,608	2,472
Kentucky	8,955	12,626	65,163	15,409	8,301	2,804
Louisiana	8,840	13,197	R48,969	R9,399	R4,207	R2,181
Maine	NA	NA	R1,011	176	96	63
Maryland	12,948	17,836	R82,603	15,390	7,983	3,747
Massachusetts	NA	R20,135	R113,997	R16,739	9,047	4,841
Michigan	55,540	68,440	360,389	63,508	31,180	17,230
Minnesota	22,678	23,212	R130,561	26,916	14,938	6,182
Mississippi	R4,981	7,902	R26,222	5,352	1,704	R1,050
Missouri	21,190	28,888	R115,923	23,707	9,442	R4,061
Montana	3,330	3,276	19,593	3,393	2,349	1,275
Nebraska	7,494	9,864	41,725	6,875	3,636	1,887
Nevada	R5,415	5,536	R29,917	4,950	3,228	1,399
New Hampshire	NA	NA	R7,316	1,033	566	302
New Jersey	33,583	42,276	R219,373	37,212	R19,949	R10,414
New Mexico	5,561	6,109	R36,014	6,447	4,655	2,500
New York	R64,028	NA	NA	NA	NA	NA
North Carolina	12,316	14,653	65,084	12,769	6,086	2,498
North Dakota	1,934	1,781	R11,116	1,931	1,136	593
Ohio	56,629	72,584	R332,057	61,643	R32,211	15,638
Oklahoma	12,033	13,710	R63,981	R13,501	4,823	2,252
Oregon	5,941	NA	R38,714	6,064	3,572	R1,581
Pennsylvania	R39,973	R51,432	R262,797	46,594	24,010	R12,355
Rhode Island	2,966	3,471	18,731	2,564	1,262	722
South Carolina	4,689	7,919	29,108	6,068	2,032	1,011
South Dakota	2,172	2,165	12,609	2,621	1,375	601
Tennessee	10,443	19,516	R67,864	15,017	5,128	2,318
Texas	R38,785	R52,979	R188,946	36,851	R15,380	8,224
Utah	8,187	10,092	55,624	9,652	8,378	3,824
Vermont	446	544	2,843	376	210	124
Virginia	12,695	17,278	R78,188	R15,390	8,033	R3,159
Washington	NA	NA	NA	R10,746	NA	R3,192
West Virginia	5,442	6,923	R31,685	5,341	2,181	1,375
Wisconsin	R22,782	R23,699	135,198	27,689	15,485	6,823
Wyoming	1,846	1,865	12,149	2,088	1,283	736
Total	**R793,509**	**R987,142**	**R4,973,711**	**R903,563**	**R479,119**	**R233,678**

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	September	August	July	June	May	April
Alabama	1,153	1,126	1,218	1,351	2,267	3,391
Alaska	927	618	474	645	864	1,233
Arizona	1,028	956	1,053	1,245	1,596	2,814
Arkansas	R1,154	R916	NA	NA	R1,559	R2,440
California	24,480	22,101	24,464	27,655	31,747	39,017
Colorado	2,717	2,579	3,032	4,125	R6,603	11,312
Connecticut	992	622	961	1,270	2,244	3,216
Delaware	172	187	246	294	655	985
District of Columbia	365	346	367	470	717	1,232
Florida	698	698	738	836	973	1,140
Georgia	4,473	4,045	3,865	4,066	4,803	8,727
Hawaii	41	39	44	45	47	46
Idaho	475	343	430	621	892	1,663
Illinois	12,372	10,584	9,555	12,058	15,622	35,416
Indiana	R3,861	2,922	2,935	3,693	6,240	12,785
Iowa	1,710	1,410	1,551	1,611	2,658	5,392
Kansas	1,546	1,280	R1,598	R1,801	R2,950	R5,750
Kentucky	1,452	1,238	1,078	1,131	1,424	4,135
Louisiana	1,678	R1,607	R1,706	1,798	1,986	3,693
Maine	32	0	27	31	R49	89
Maryland	2,026	1,921	1,913	2,233	3,313	6,430
Massachusetts	2,933	2,580	R2,874	4,154	R7,032	10,228
Michigan	9,109	7,401	7,668	9,582	18,230	32,413
Minnesota	3,273	2,774	2,875	3,369	4,940	9,700
Mississippi	R699	669	724	805	1,147	R1,836
Missouri	2,545	R2,517	2,475	R2,081	4,816	9,181
Montana	595	381	470	590	947	1,514
Nebraska	1,053	774	897	977	1,426	4,515
Nevada	R1,085	909	1,009	1,184	1,568	2,027
New Hampshire	182	143	178	R275	R432	641
New Jersey	5,917	5,098	4,982	6,198	11,007	17,683
New Mexico	1,214	983	R975	R1,573	1,163	3,438
New York	NA	NA	NA	R14,349	R24,313	R38,607
North Carolina	1,072	1,030	1,025	1,510	2,265	4,531
North Dakota	255	227	212	333	502	929
Ohio	7,550	6,712	7,200	7,670	13,488	27,892
Oklahoma	R1,434	1,369	R1,523	R1,750	2,683	R4,993
Oregon	982	806	1,003	1,537	2,322	3,493
Pennsylvania	6,975	5,640	R5,815	R7,866	R10,603	R21,602
Rhode Island	506	451	482	715	1,279	1,812
South Carolina	536	468	494	576	1,140	1,917
South Dakota	277	243	248	333	573	1,059
Tennessee	1,213	1,102	1,208	R1,335	2,544	R4,786
Texas	5,631	R5,546	R6,139	6,864	8,138	14,250
Utah	2,415	1,444	1,492	1,494	1,809	2,967
Vermont	72	62	70	110	179	268
Virginia	1,685	1,468	R1,550	R1,779	R2,830	R5,429
Washington	1,997	1,593	1,971	3,039	4,523	6,483
West Virginia	600	536	521	749	1,902	2,496
Wisconsin	3,580	2,896	2,699	2,658	5,018	11,182
Wyoming	387	R292	304	407	658	1,227
Total	**R139,896**	**R121,058**	**R127,138**	**R153,777**	**R228,684**	**R400,006**

See footnotes at end of table.

Table 15

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	4,694	9,492	8,470	42,647	5,754	3,069
Alaska	1,764	1,885	2,354	17,634	2,466	2,127
Arizona	4,430	[R]6,699	6,804	32,940	4,642	1,682
Arkansas	[R]4,140	[R]5,736	[R]7,417	36,245	5,037	1,216
California	62,814	65,301	66,689	568,496	65,679	34,488
Colorado	[R]14,576	16,327	18,989	111,748	14,763	8,173
Connecticut	5,018	7,692	[R]6,947	38,364	4,810	3,064
Delaware	1,178	1,661	1,800	8,862	1,116	576
District of Columbia	1,691	3,013	2,698	14,147	1,714	1,029
Florida	1,631	[R]2,492	[R]2,171	13,797	1,572	1,020
Georgia	11,080	17,688	26,740	98,777	18,610	10,635
Hawaii	48	49	48	524	42	36
Idaho	2,210	2,602	3,317	17,912	2,514	1,530
Illinois	45,616	63,987	84,522	445,217	73,482	38,571
Indiana	16,174	25,965	30,851	151,529	22,735	11,571
Iowa	7,679	10,990	14,061	71,430	10,631	5,602
Kansas	[R]8,189	[R]11,842	[R]13,164	68,146	9,040	3,997
Kentucky	6,224	8,287	13,682	59,220	10,790	5,413
Louisiana	4,355	7,622	[R]8,736	45,104	5,940	2,935
Maine	123	[R]122	202	957	151	93
Maryland	8,673	14,316	[R]14,658	74,848	10,665	6,268
Massachusetts	13,787	21,025	18,756	105,709	16,601	9,964
Michigan	42,048	58,759	63,259	350,735	47,495	29,784
Minnesota	12,806	[R]17,941	[R]24,845	118,938	18,639	10,624
Mississippi	2,481	4,931	[R]4,827	24,562	3,314	1,685
Missouri	12,838	21,101	21,157	112,042	14,535	6,882
Montana	2,231	2,729	3,119	19,676	2,840	1,983
Nebraska	5,735	6,728	7,223	40,588	5,137	2,733
Nevada	3,711	3,861	[R]4,985	28,772	4,396	1,998
New Hampshire	[R]973	1,274	[R]1,316	6,613	783	549
New Jersey	25,174	37,760	37,980	209,399	22,890	18,160
New Mexico	3,447	4,437	5,183	35,548	6,263	4,083
New York	[R]49,718	[R]70,995	[R]66,669	370,711	46,142	28,487
North Carolina	7,685	13,396	11,216	52,853	6,912	3,942
North Dakota	1,323	1,698	[R]1,977	10,573	1,380	869
Ohio	37,454	52,516	62,083	318,214	46,532	27,700
Oklahoma	7,170	11,476	11,008	61,611	7,670	3,185
Oregon	5,032	5,678	6,643	38,564	5,391	3,108
Pennsylvania	29,809	[R]43,373	48,155	241,468	34,106	19,812
Rhode Island	2,581	3,500	2,857	16,601	1,736	1,227
South Carolina	2,877	6,438	5,552	25,669	3,799	2,093
South Dakota	1,360	1,772	2,149	11,766	1,628	918
Tennessee	[R]6,693	[R]13,063	[R]13,458	60,561	8,802	4,521
Texas	17,287	31,342	33,292	175,907	22,736	11,193
Utah	6,792	7,038	8,319	55,474	9,614	5,321
Vermont	396	510	465	2,565	293	212
Virginia	[R]8,242	13,778	14,846	69,189	10,575	5,985
Washington	8,965	10,074	11,338	71,704	9,745	6,596
West Virginia	[R]3,825	6,316	[R]5,843	31,403	4,195	2,541
Wisconsin	13,084	18,644	25,439	127,607	21,737	11,440
Wyoming	1,441	1,666	1,661	12,106	1,568	903
Total	**[R]549,269**	**[R]777,585**	**[R]859,938**	**4,725,672**	**659,606**	**371,595**

[R] Revised Data.
[NA] Not Available.

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

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

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				May	April	March
Alabama	15,563	13,248	13,938	1,457	2,248	2,858
Alaska	8,418	10,289	13,704	1,279	1,410	1,894
Arizona	16,331	16,430	16,151	2,317	2,810	3,466
Arkansas	NA	15,793	16,456	NA	NA	NA
California	119,822	112,726	125,972	16,985	R26,490	22,690
Colorado	42,895	34,925	34,955	4,718	6,845	9,385
Connecticut	24,997	25,497	25,515	2,386	4,268	5,652
Delaware	4,079	3,125	4,014	312	663	1,007
District of Columbia	9,954	9,723	10,618	1,119	1,937	2,198
Florida	24,098	22,583	18,361	4,104	4,379	4,637
Georgia	NA	29,665	25,606	2,443	NA	6,576
Hawaii	754	746	742	145	150	154
Idaho	8,264	7,156	7,420	922	1,193	1,594
Illinois	110,692	105,104	109,230	7,787	12,159	26,168
Indiana	NA	46,323	44,987	NA	NA	NA
Iowa	28,635	24,676	26,837	1,811	3,538	6,633
Kansas	25,135	21,968	23,278	1,491	3,107	5,747
Kentucky	22,195	20,399	21,010	1,502	2,360	4,906
Louisiana	NA	12,572	12,868	1,861	2,238	NA
Maine	NA	1,599	1,463	NA	NA	NA
Maryland	30,801	32,836	32,898	2,905	4,619	6,629
Massachusetts	32,184	35,359	38,628	3,756	R5,601	7,177
Michigan	110,863	105,431	108,053	8,669	16,610	25,979
Minnesota	56,070	50,171	50,620	4,156	7,444	13,019
Mississippi	12,497	10,702	10,751	1,175	1,579	R2,486
Missouri	42,188	36,077	38,936	2,705	5,395	9,201
Montana	8,043	7,221	6,999	767	1,254	965
Nebraska	16,640	15,871	17,522	1,508	2,466	4,218
Nevada	11,747	11,915	11,542	1,553	1,970	2,549
New Hampshire	NA	4,836	4,447	NA	NA	NA
New Jersey	118,519	117,104	100,042	9,582	17,571	25,057
New Mexico	14,539	13,430	14,783	1,420	2,600	2,510
New York	162,379	NA	174,469	29,525	R25,816	R33,461
North Carolina	22,893	23,526	22,103	2,047	3,190	4,630
North Dakota	5,810	5,917	6,188	400	810	1,029
Ohio	120,762	106,239	102,758	7,678	16,115	R27,194
Oklahoma	28,284	21,670	24,640	2,319	4,146	5,609
Oregon	16,512	15,862	16,763	2,032	2,755	3,470
Pennsylvania	NA	82,455	82,490	6,218	11,975	NA
Rhode Island	8,085	7,773	7,036	743	1,382	1,882
South Carolina	11,478	11,184	10,819	1,317	1,834	2,195
South Dakota	5,804	5,573	5,764	410	802	1,404
Tennessee	31,637	30,149	30,471	2,342	3,611	6,121
Texas	163,866	83,639	83,098	32,160	22,989	R29,807
Utah	17,345	15,629	16,612	1,385	2,538	3,315
Vermont	1,589	1,578	1,423	136	276	356
Virginia	NA	33,448	34,260	3,035	NA	7,199
Washington	NA	27,742	28,927	NA	NA	NA
West Virginia	NA	14,729	14,936	1,341	2,849	NA
Wisconsin	NA	42,673	46,964	NA	5,576	12,678
Wyoming	7,007	5,356	5,757	469	919	1,891
Total	**1,841,094**	**1,702,538**	**1,703,820**	**196,098**	**R269,860**	**R394,942**

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001		2000			
	February	January	Total	December	November	October
Alabama	3,782	5,218	R24,444	3,651	1,845	1,380
Alaska	1,839	1,995	21,219	2,484	2,103	2,105
Arizona	3,759	3,981	R32,525	3,681	2,424	2,035
Arkansas	NA	NA	R33,950	R6,310	R4,030	R1,591
California	25,858	27,800	R245,931	R25,063	23,524	16,991
Colorado	R10,179	R11,768	R62,827	10,012	6,022	3,486
Connecticut	5,993	6,697	R48,943	6,638	4,379	3,146
Delaware	952	1,145	5,163	709	424	236
District of Columbia	2,271	2,429	17,724	2,176	1,239	959
Florida	R5,429	5,549	49,326	4,957	4,117	3,661
Georgia	6,466	10,029	60,237	11,824	6,318	3,216
Hawaii	151	154	1,771	145	152	146
Idaho	2,238	2,318	13,261	2,097	1,410	687
Illinois	30,068	34,511	201,517	37,496	21,391	10,573
Indiana	NA	NA	R86,815	16,785	8,512	R4,527
Iowa	7,762	8,891	46,335	9,104	4,893	2,290
Kansas	6,595	8,195	40,189	7,209	3,413	1,763
Kentucky	5,480	7,947	R38,973	8,027	R4,117	1,823
Louisiana	3,437	R4,456	R25,493	R3,581	R2,143	R1,553
Maine	NA	NA	R2,690	439	249	154
Maryland	7,092	9,556	59,103	8,426	5,101	2,922
Massachusetts	7,491	R8,160	R63,246	8,299	5,129	3,223
Michigan	27,509	32,095	183,804	29,165	15,101	9,202
Minnesota	15,176	16,275	R94,585	16,769	10,487	5,033
Mississippi	R3,000	R4,257	R21,373	R3,341	1,805	R1,354
Missouri	10,942	13,945	R63,587	10,923	5,128	3,219
Montana	2,796	R2,261	R13,298	R2,080	1,459	R816
Nebraska	4,666	3,782	28,734	5,255	2,121	1,234
Nevada	R2,817	2,858	R25,150	2,753	2,395	1,744
New Hampshire	NA	NA	R8,338	977	931	417
New Jersey	30,057	36,251	R207,407	29,779	15,977	9,267
New Mexico	3,989	4,021	R27,280	3,854	R2,527	1,500
New York	R36,187	37,390	NA	R36,044	R30,310	R29,733
North Carolina	5,346	7,680	R43,235	6,845	3,985	2,197
North Dakota	1,791	1,780	R10,913	1,984	1,149	570
Ohio	32,534	37,242	183,650	29,626	17,192	8,767
Oklahoma	6,964	9,246	R40,417	6,865	R3,223	R1,903
Oregon	3,967	4,288	R28,424	4,043	2,451	R1,414
Pennsylvania	NA	NA	R145,582	23,174	13,146	R7,866
Rhode Island	1,930	2,149	13,167	1,775	1,012	675
South Carolina	2,542	3,589	21,928	3,097	1,773	1,332
South Dakota	1,676	1,512	10,235	1,933	R1,078	482
Tennessee	7,729	11,835	R53,840	8,613	4,426	R2,510
Texas	R35,900	R43,011	R176,735	R23,690	R14,029	R10,779
Utah	4,551	5,556	31,249	5,189	4,323	1,989
Vermont	374	447	2,595	327	212	127
Virginia	7,950	10,207	R63,511	R9,687	6,306	R3,705
Washington	NA	NA	R51,943	R6,645	R5,846	R2,637
West Virginia	3,687	4,508	R27,477	3,637	2,292	1,697
Wisconsin	R12,640	R13,749	R81,652	15,693	9,227	4,380
Wyoming	2,120	1,608	9,738	1,356	1,075	630
Total	**R451,388**	**R528,805**	**R3,259,268**	**R474,230**	**R293,920**	**R185,645**

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	September	August	July	June	May	April
Alabama	1,087	1,038	R1,047	R1,147	R1,404	R1,898
Alaska	1,278	1,079	1,036	844	1,477	1,688
Arizona	1,929	1,894	1,988	2,144	2,327	2,877
Arkansas	R1,160	R1,996	R1,470	R1,601	R1,721	R1,492
California	17,718	R17,651	16,242	R16,016	17,080	R20,301
Colorado	1,904	1,846	2,064	2,568	3,561	5,941
Connecticut	2,232	2,329	2,450	2,271	3,341	3,783
Delaware	58	186	196	229	354	502
District of Columbia	894	861	889	985	1,347	1,717
Florida	3,571	3,354	3,503	3,580	3,924	4,240
Georgia	2,384	2,213	2,248	2,369	2,709	4,231
Hawaii	145	141	146	151	148	146
Idaho	502	414	451	545	672	1,120
Illinois	7,562	6,730	6,291	6,371	8,308	15,383
Indiana	R3,197	2,519	2,427	R2,525	3,641	6,486
Iowa	1,503	1,110	1,443	1,316	2,561	3,336
Kansas	1,540	1,397	1,470	1,430	1,745	3,025
Kentucky	1,263	1,074	1,089	1,181	1,529	2,569
Louisiana	R1,340	1,395	R1,357	R1,551	R1,721	R2,117
Maine	81	0	85	81	104	271
Maryland	2,569	2,215	2,235	2,799	3,752	5,006
Massachusetts	R3,377	2,311	2,495	3,051	4,302	5,854
Michigan	6,583	6,066	5,403	6,852	10,284	16,304
Minnesota	3,219	3,029	2,944	2,934	4,057	7,529
Mississippi	R1,132	R1,028	R1,019	992	1,296	1,564
Missouri	1,862	2,024	2,131	R2,221	3,115	4,659
Montana	449	351	423	R500	R719	R1,073
Nebraska	1,004	960	963	1,325	1,536	2,418
Nevada	1,473	1,455	1,787	1,628	1,772	1,975
New Hampshire	295	276	263	R342	483	728
New Jersey	R5,899	15,791	5,381	8,210	7,078	18,072
New Mexico	1,573	1,132	1,299	1,965	R1,709	1,576
New York	R31,292	R29,967	R29,505	R28,997	R30,876	NA
North Carolina	1,698	1,553	1,531	1,900	1,926	2,972
North Dakota	330	329	275	358	517	R870
Ohio	5,450	5,291	5,372	5,712	8,913	15,017
Oklahoma	R1,787	1,771	R1,774	1,424	R2,226	R3,148
Oregon	1,147	1,012	1,079	1,416	R1,792	2,372
Pennsylvania	R5,130	4,480	4,258	R5,073	6,672	11,394
Rhode Island	484	452	448	548	738	1,321
South Carolina	1,161	1,101	1,111	1,168	1,356	1,644
South Dakota	293	254	287	334	528	716
Tennessee	2,325	1,861	1,828	R2,129	2,515	3,885
Texas	R11,026	R11,634	R10,880	11,059	12,556	R13,786
Utah	1,301	913	953	952	1,237	1,990
Vermont	87	82	81	102	161	227
Virginia	2,663	2,592	2,411	2,700	3,429	R5,009
Washington	2,152	1,977	2,154	R2,789	3,490	4,718
West Virginia	1,270	1,298	1,249	1,303	1,760	2,192
Wisconsin	2,582	2,525	2,177	2,395	3,675	R6,327
Wyoming	382	299	303	337	541	889
Total	**R153,346**	**R155,257**	**R141,911**	**R152,420**	**R184,687**	**R263,133**

See footnotes at end of table.

Table 16

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	[R]2,371	[R]3,966	[R]3,610	27,586	3,204	2,395
Alaska	2,242	2,070	2,812	27,667	3,427	2,993
Arizona	3,496	[R]3,632	4,098	31,369	3,463	2,307
Arkansas	[R]4,194	[R]3,974	[R]4,413	27,898	3,428	1,614
California	[R]24,605	[R]24,313	26,427	248,028	20,552	17,441
Colorado	[R]7,537	[R]8,468	[R]9,418	59,355	6,894	4,376
Connecticut	5,601	7,072	[R]5,700	47,646	5,312	3,905
Delaware	453	874	942	6,121	649	396
District of Columbia	2,045	2,274	2,340	17,846	1,510	1,304
Florida	4,580	4,816	5,023	36,351	3,140	2,672
Georgia	5,151	7,410	10,166	43,593	6,306	3,754
Hawaii	150	149	153	1,749	147	145
Idaho	1,486	1,722	2,156	12,656	1,672	1,028
Illinois	19,454	27,375	34,585	188,567	27,028	15,092
Indiana	8,474	12,980	[R]14,741	73,691	9,995	5,884
Iowa	4,411	6,245	8,123	44,895	6,411	3,276
Kansas	4,385	6,060	6,754	38,954	4,551	2,395
Kentucky	3,778	5,748	6,775	35,801	5,393	2,938
Louisiana	2,343	[R]3,154	[R]3,238	24,556	2,637	1,773
Maine	341	[R]361	522	2,547	353	223
Maryland	6,603	8,382	9,093	58,159	6,770	4,634
Massachusetts	[R]7,325	[R]10,356	[R]7,522	65,137	6,066	4,814
Michigan	21,785	26,708	30,349	179,383	23,091	14,641
Minnesota	9,700	[R]12,291	[R]16,595	88,078	12,775	7,858
Mississippi	1,889	3,051	2,902	20,209	2,463	1,700
Missouri	7,275	10,534	10,494	63,107	7,676	3,894
Montana	[R]1,485	[R]1,791	2,152	12,094	1,575	1,100
Nebraska	3,288	4,106	4,524	27,586	3,034	1,798
Nevada	2,632	2,517	[R]3,019	22,747	2,700	1,794
New Hampshire	[R]994	[R]1,314	1,317	7,214	901	614
New Jersey	26,757	34,181	31,016	163,760	16,125	13,873
New Mexico	3,042	3,255	3,847	27,271	3,671	2,291
New York	[R]56,627	[R]38,758	[R]30,854	360,763	38,075	30,505
North Carolina	4,856	[R]7,227	6,545	38,019	4,405	2,876
North Dakota	1,191	1,541	[R]1,797	10,026	1,276	814
Ohio	22,401	28,924	30,984	167,974	22,416	14,296
Oklahoma	4,453	[R]6,208	[R]5,635	39,739	4,267	2,442
Oregon	3,466	3,833	4,399	28,562	3,292	2,269
Pennsylvania	16,034	23,489	24,866	143,296	19,167	13,322
Rhode Island	1,539	2,137	2,037	11,815	1,017	1,308
South Carolina	2,047	3,190	2,948	20,569	2,398	1,682
South Dakota	1,344	1,367	1,617	9,567	1,226	735
Tennessee	4,643	8,850	10,255	52,581	5,891	3,944
Texas	[R]15,367	[R]20,857	[R]21,072	171,715	20,487	13,814
Utah	3,890	3,901	4,611	30,490	4,919	2,723
Vermont	337	428	425	2,309	247	200
Virginia	6,571	9,058	9,381	61,542	7,710	5,157
Washington	5,867	6,617	7,050	50,846	6,272	4,287
West Virginia	[R]3,220	[R]3,650	3,907	27,306	3,383	2,380
Wisconsin	[R]8,043	[R]10,427	[R]14,201	81,726	12,346	7,079
Wyoming	1,438	1,115	1,373	9,848	1,211	803
Total	**[R]363,207**	**[R]432,728**	**[R]458,783**	**3,050,313**	**362,928**	**245,559**

[R] Revised Data.
[NA] Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

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

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				May	April	March
Alabama	72,329	89,074	85,692	14,493	14,024	15,721
Alaska	30,714	32,705	31,590	5,728	6,151	6,487
Arizona	11,406	10,204	11,837	2,379	2,002	2,267
Arkansas	NA	NA	60,153	9,809	10,024	10,593
California	561,136	458,012	373,766	114,391	R110,102	109,447
Colorado	53,496	40,976	33,921	9,225	11,174	10,717
Connecticut	10,808	15,764	13,724	2,302	2,065	2,199
Delaware	8,627	12,257	9,164	1,208	1,687	1,801
District of Columbia	0	0	0	0	0	0
Florida	51,327	61,188	58,482	10,925	10,437	10,251
Georgia	NA	72,891	89,364	12,021	NA	13,094
Hawaii	231	227	177	46	47	44
Idaho [a]	13,685	14,360	15,156	2,320	2,661	2,777
Illinois	136,988	142,338	138,784	24,389	23,815	29,170
Indiana	117,307	140,554	140,311	19,635	20,256	25,296
Iowa	43,462	44,427	47,325	7,912	8,120	9,066
Kansas	39,569	43,354	40,710	5,682	7,543	8,424
Kentucky	40,316	43,447	41,840	6,117	9,256	6,846
Louisiana	444,859	418,728	362,896	82,631	91,609	96,285
Maine	NA	1,576	980	NA	NA	NA
Maryland	15,887	18,374	17,697	3,072	3,100	3,649
Massachusetts	57,638	68,995	66,251	11,177	R11,567	10,228
Michigan	135,759	149,776	137,503	22,132	26,777	29,494
Minnesota	38,211	43,763	47,608	5,771	7,290	8,357
Mississippi	41,851	51,073	51,113	7,919	7,940	9,236
Missouri	32,584	32,379	26,213	4,620	5,627	5,699
Montana	8,437	11,089	11,431	1,228	1,554	1,837
Nebraska	14,717	16,068	17,841	2,590	3,156	2,770
Nevada	17,198	16,838	14,295	2,622	2,322	3,628
New Hampshire	NA	2,314	2,616	NA	NA	NA
New Jersey	60,863	86,597	95,230	9,178	12,564	12,780
New Mexico	13,877	10,936	10,914	3,553	3,296	2,464
New York	125,018	155,523	128,689	22,445	R25,583	R26,460
North Carolina	34,064	50,286	44,482	6,697	6,704	7,491
North Dakota	8,146	6,088	8,397	1,855	2,198	R1,231
Ohio	136,540	152,487	150,357	21,739	23,206	R28,172
Oklahoma	62,550	58,609	77,570	12,669	12,464	12,596
Oregon	NA	46,258	44,662	NA	NA	6,626
Pennsylvania	NA	113,213	107,255	16,025	17,285	NA
Rhode Island	20,656	22,702	23,549	5,197	3,625	5,389
South Carolina	29,116	44,785	43,511	6,103	6,097	6,657
South Dakota	3,872	2,087	2,243	822	866	861
Tennessee	57,611	59,299	62,283	10,118	R12,554	R11,605
Texas	749,233	829,516	733,864	143,541	140,749	164,043
Utah	15,199	18,562	17,947	2,965	3,001	2,766
Vermont	1,167	1,602	1,306	261	242	309
Virginia	28,605	39,751	35,708	5,793	4,896	4,722
Washington	NA	55,112	48,054	NA	NA	NA
West Virginia	NA	20,204	18,977	NA	3,335	NA
Wisconsin	NA	75,169	67,781	NA	11,397	19,281
Wyoming	11,085	23,957	14,763	2,339	2,155	1,804
Total	**3,729,970**	**3,986,705**	**3,685,985**	**689,701**	**R719,822**	**R780,087**

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001		2000			
	February	January	Total	December	November	October
Alabama	14,026	14,066	R197,493	R15,923	15,543	15,384
Alaska	5,805	6,543	77,997	6,502	5,386	5,724
Arizona	2,460	2,298	25,362	2,462	2,214	1,960
Arkansas	NA	10,397	NA	R11,767	10,684	R11,594
California	108,390	118,805	1,353,135	108,187	111,473	134,931
Colorado	R10,249	12,131	R93,475	10,186	7,715	6,985
Connecticut	2,053	2,189	R33,771	2,872	2,933	2,261
Delaware	1,980	1,952	R25,758	2,050	1,921	2,388
District of Columbia	0	0	0	0	0	0
Florida	9,233	10,481	138,734	9,526	11,278	10,647
Georgia	11,511	10,835	168,967	11,998	12,651	13,317
Hawaii	43	51	536	43	47	46
Idaho [a]	2,826	3,101	R32,311	R2,788	2,799	R2,763
Illinois	29,292	30,323	304,260	31,753	26,971	22,206
Indiana	24,195	27,925	312,764	30,031	25,843	24,340
Iowa	8,810	9,554	R101,801	10,096	9,167	8,330
Kansas	8,460	9,461	NA	7,929	NA	7,535
Kentucky	8,047	R10,049	R94,035	8,513	8,153	7,117
Louisiana	86,299	88,034	R1,054,215	98,294	R99,242	99,601
Maine	NA	NA	3,927	581	496	334
Maryland	2,909	3,157	45,526	4,095	4,023	3,873
Massachusetts	12,070	R12,596	R154,775	15,220	R12,208	13,020
Michigan	27,728	29,628	R302,850	29,438	23,396	20,906
Minnesota	8,061	8,734	101,613	9,411	9,281	7,329
Mississippi	6,432	10,324	R110,244	9,003	8,951	R8,758
Missouri	7,933	8,705	R70,281	7,376	6,138	7,491
Montana	R1,814	R2,004	R23,195	2,410	R2,178	R1,691
Nebraska	2,967	3,235	42,968	3,351	3,124	2,699
Nevada	R4,466	4,161	46,918	5,059	4,380	4,768
New Hampshire	NA	NA	R4,470	357	274	336
New Jersey	13,187	13,155	R196,705	12,923	14,895	16,318
New Mexico	2,363	2,202	R27,568	2,288	R2,197	2,366
New York	R25,367	R25,164	R358,238	R31,075	R30,087	R27,215
North Carolina	6,309	6,863	R111,395	8,113	9,503	8,986
North Dakota	1,553	1,310	R14,939	1,187	1,216	1,474
Ohio	28,382	35,041	R328,060	30,731	R29,103	24,705
Oklahoma	14,486	10,335	R129,597	R10,745	10,737	9,791
Oregon	9,919	7,431	R104,116	7,332	8,241	R8,822
Pennsylvania	R19,959	R20,619	R246,914	21,574	R20,589	R18,540
Rhode Island	2,954	3,491	48,314	7,136	4,109	3,894
South Carolina	5,548	4,712	96,846	6,324	8,208	7,672
South Dakota	720	602	6,331	667	771	408
Tennessee	11,208	12,126	R141,211	13,340	12,516	12,126
Texas	R147,429	R153,471	R2,074,500	182,166	R173,229	176,593
Utah	3,278	3,190	39,956	2,911	3,357	3,207
Vermont	183	172	3,949	228	403	384
Virginia	6,321	6,874	R94,920	11,812	6,881	5,634
Washington	NA	NA	NA	NA	NA	R14,687
West Virginia	3,489	3,749	R44,122	3,711	3,236	3,218
Wisconsin	R16,412	R16,149	R160,022	18,318	14,391	11,899
Wyoming	1,719	3,068	44,303	3,326	3,994	2,387
Total	**R748,996**	**R791,364**	**R9,578,553**	**R842,007**	**R806,160**	**R808,658**

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	September	August	July	June	May	April
Alabama	14,552	15,710	15,230	16,075	17,293	R17,949
Alaska	5,030	9,259	7,262	6,129	5,172	6,766
Arizona	2,075	2,086	2,240	2,122	2,183	1,690
Arkansas	10,065	R10,228	R9,123	NA	NA	NA
California	130,217	154,946	133,321	122,049	107,156	82,233
Colorado	7,189	6,841	R6,437	R7,145	6,508	8,403
Connecticut	2,371	3,074	2,082	2,414	2,135	2,851
Delaware	1,810	1,568	1,691	2,072	2,315	2,561
District of Columbia	0	0	0	0	0	0
Florida	10,741	12,048	11,615	11,690	12,631	12,521
Georgia	13,624	14,922	14,924	14,641	16,574	14,182
Hawaii	40	42	46	46	47	44
Idaho [a]	2,491	2,220	2,357	2,532	2,656	R2,783
Illinois	20,724	20,304	19,658	20,306	22,174	24,982
Indiana	22,899	23,643	22,262	23,192	24,205	25,123
Iowa	7,765	7,425	6,782	7,808	7,124	8,386
Kansas	R11,035	11,359	10,522	9,042	8,459	R8,156
Kentucky	6,928	6,737	6,438	6,704	6,870	8,372
Louisiana	92,327	R101,242	72,372	R72,409	R79,893	R75,327
Maine	246	229	224	239	243	335
Maryland	3,668	3,914	3,936	3,643	3,669	3,533
Massachusetts	9,815	R11,893	R12,075	R11,549	13,789	R13,169
Michigan	19,853	R19,004	R18,692	21,784	25,697	28,316
Minnesota	8,599	6,905	6,447	9,876	4,967	8,500
Mississippi	7,875	R8,774	R7,964	7,846	9,219	9,977
Missouri	3,438	3,277	5,023	R5,159	R5,401	R5,729
Montana	R1,517	R1,299	R1,365	R1,646	R1,513	R2,187
Nebraska	5,555	2,902	5,701	3,569	2,766	3,148
Nevada	4,400	4,741	3,178	3,555	4,344	3,906
New Hampshire	290	293	278	R328	436	446
New Jersey	R15,418	14,210	20,102	16,243	17,237	16,281
New Mexico	2,678	2,678	2,289	2,136	2,014	2,131
New York	R30,919	R29,437	R27,047	26,934	27,880	R32,643
North Carolina	7,996	8,796	8,298	R9,418	9,567	9,329
North Dakota	1,209	1,228	578	1,960	1,010	R1,368
Ohio	22,828	22,658	22,456	23,092	25,314	28,145
Oklahoma	10,225	8,885	9,368	11,235	10,861	11,414
Oregon	8,621	8,363	8,215	8,263	8,195	9,181
Pennsylvania	17,958	18,668	R17,786	R18,587	18,868	22,194
Rhode Island	2,165	2,276	3,166	2,866	3,489	4,147
South Carolina	7,041	7,992	7,562	7,262	8,814	9,128
South Dakota	605	735	561	497	341	391
Tennessee	11,130	11,399	10,696	10,705	10,810	R12,619
Texas	171,604	R189,205	R169,420	182,767	184,646	174,529
Utah	2,825	3,013	3,042	3,037	3,657	3,614
Vermont	370	310	321	331	303	353
Virginia	6,806	6,795	R8,554	8,687	7,079	R8,586
Washington	13,607	13,817	11,939	R12,041	10,201	9,417
West Virginia	3,382	3,431	R3,465	3,475	3,713	3,675
Wisconsin	10,487	10,438	9,405	9,914	10,637	R13,471
Wyoming	2,776	2,565	2,335	2,962	4,128	4,885
Total	**R777,792**	**R833,786**	**R755,854**	**R767,591**	**R775,204**	**R770,734**

See footnotes at end of table.

Table 17

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	18,233	17,653	17,947	204,263	18,145	17,486
Alaska	7,192	6,390	7,185	74,224	6,892	6,851
Arizona	2,173	2,076	2,081	27,032	2,328	2,060
Arkansas	12,544	12,708	NA	145,140	13,359	12,449
California	86,700	86,174	95,749	1,109,359	88,595	100,462
Colorado	8,225	9,012	8,828	80,747	7,483	7,422
Connecticut	3,619	3,437	R3,722	32,039	3,562	3,190
Delaware	2,675	R2,252	2,455	21,075	2,289	1,768
District of Columbia	0	0	0	0	0	0
Florida	12,666	11,187	12,183	140,740	11,568	11,406
Georgia	15,018	14,023	13,093	159,851	13,605	9,383
Hawaii	46	45	44	463	42	42
Idaho [a]	2,904	2,883	3,135	33,846	3,034	2,822
Illinois	29,119	31,511	34,552	306,110	31,246	26,662
Indiana	28,207	29,449	33,569	319,890	30,943	26,729
Iowa	R9,247	R9,560	10,110	101,940	8,824	8,702
Kansas	R8,683	R8,342	R9,714	97,469	8,512	6,304
Kentucky	8,359	R9,983	9,863	93,814	8,881	8,346
Louisiana	R83,095	85,238	95,174	875,878	78,766	74,101
Maine	315	356	327	2,550	281	214
Maryland	3,956	3,448	3,767	42,190	4,157	3,485
Massachusetts	R14,969	R17,567	R9,501	157,579	15,463	12,796
Michigan	31,364	R32,003	R32,396	301,326	30,250	29,053
Minnesota	8,894	10,977	10,425	104,187	9,692	7,866
Mississippi	10,496	10,107	R11,275	120,201	11,166	10,477
Missouri	R6,936	R7,402	R6,911	64,856	7,635	6,558
Montana	R2,377	R2,713	R2,298	23,036	2,321	2,034
Nebraska	3,343	3,438	3,373	45,750	2,770	2,740
Nevada	2,904	2,878	2,805	34,075	3,276	2,719
New Hampshire	R558	421	453	5,912	413	376
New Jersey	16,889	18,009	18,181	206,898	18,483	17,039
New Mexico	2,701	1,929	2,161	26,430	3,290	2,049
New York	R39,518	28,916	R26,567	296,358	24,949	24,765
North Carolina	11,298	9,478	10,614	108,835	11,910	9,429
North Dakota	1,242	1,186	R1,282	17,561	1,418	1,504
Ohio	30,732	32,879	35,417	330,931	31,093	28,540
Oklahoma	11,245	12,467	12,621	177,811	13,570	13,834
Oregon	9,176	9,451	10,256	107,984	10,596	10,610
Pennsylvania	25,628	R22,112	24,411	240,622	22,267	20,355
Rhode Island	4,005	4,993	6,068	55,517	5,183	4,712
South Carolina	9,720	8,630	8,493	102,681	9,398	9,250
South Dakota	410	474	471	5,043	443	446
Tennessee	11,373	12,515	11,982	144,639	11,169	11,191
Texas	R144,219	164,715	161,407	1,952,400	201,874	183,878
Utah	3,861	3,661	3,771	40,859	3,844	3,615
Vermont	350	357	240	2,901	337	281
Virginia	7,136	9,755	7,194	101,368	15,247	6,036
Washington	11,412	11,367	12,715	126,799	14,480	11,950
West Virginia	4,101	4,212	4,503	44,857	4,370	3,842
Wisconsin	R15,210	R16,845	R19,006	146,428	15,881	12,576
Wyoming	4,361	5,573	5,009	38,475	3,536	4,173
Total	**R789,406**	**R812,757**	**R838,604**	**9,000,936**	**848,837**	**784,578**

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

R Revised Data.

NA Not Available.

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

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

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				May	April	March
Alabama	17,116	7,026	4,599	4,641	3,331	3,623
Alaska	13,667	14,586	12,435	2,265	2,433	2,962
Arizona	51,593	20,413	15,054	13,167	11,380	10,355
Arkansas	7,488	15,104	10,627	1,753	2,511	1,164
California	55,485	39,180	72,877	10,925	11,287	10,539
Colorado	17,975	9,722	6,141	3,905	3,979	4,286
Connecticut	NA	2,988	1,554	0	0	NA
Delaware	27	3,143	6,491	5	5	5
District of Columbia	NA	0	0	0	0	NA
Florida	92,622	139,874	105,752	25,687	23,007	18,266
Georgia	2,443	3,976	4,700	1,154	1,138	91
Hawaii	NA	0	0	0	0	NA
Idaho	NA	0	0	0	0	NA
Illinois	669	789	14,900	312	74	81
Indiana	2,149	1,751	1,680	141	412	188
Iowa	1,614	1,560	1,106	545	362	323
Kansas	4,946	8,933	11,108	1,586	988	997
Kentucky	818	1,679	1,009	306	205	194
Louisiana	79,905	103,892	116,421	19,898	20,504	13,251
Maine	NA	0	0	0	0	NA
Maryland	4	6,424	2,724	1	0	0
Massachusetts	372	1,414	2,667	226	57	71
Michigan	7,518	18,193	19,909	1,061	638	1,739
Minnesota	1,287	1,395	2,150	418	282	253
Mississippi	25,773	37,801	34,511	8,837	8,249	3,489
Missouri	6,918	8,317	3,633	2,188	2,192	1,411
Montana	14	47	78	7	1	4
Nebraska	1,100	953	728	323	330	293
Nevada	32,991	24,453	23,114	6,724	5,595	7,607
New Hampshire	1	782	65	0	0	0
New Jersey	225	7,273	4,807	86	61	56
New Mexico	15,335	16,562	12,948	4,023	4,031	3,334
New York	17,914	41,562	66,818	5,225	4,271	3,062
North Carolina	501	1,816	692	315	152	27
North Dakota	2	0	0	1	0	0
Ohio	1,747	3,128	3,399	810	423	340
Oklahoma	46,852	57,154	57,698	11,818	10,440	9,542
Oregon	18,847	10,978	5,813	3,452	3,333	3,425
Pennsylvania	729	1,430	1,439	370	109	93
Rhode Island	NA	0	0	0	0	NA
South Carolina	182	719	270	94	47	10
South Dakota	2,285	391	976	654	633	599
Tennessee	2	922	200	0	0	2
Texas	346,884	455,564	406,742	93,384	79,731	61,306
Utah	7,027	2,788	1,817	1,503	1,489	1,380
Vermont	96	194	17	54	2	6
Virginia	1,138	8,585	9,767	644	331	78
Washington	26,947	2,290	1,141	5,798	5,787	5,674
West Virginia	186	118	163	62	21	18
Wisconsin	4,217	5,159	3,768	756	580	1,015
Wyoming	1,366	48	46	256	384	269
Total	**916,976**	**1,091,077**	**1,054,553**	**235,381**	**210,784**	**171,432**

See footnotes at end of table.

Table 18

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001		2000			
	February	January	Total	December	November	October
Alabama	1,845	3,677	36,344	2,801	2,884	1,786
Alaska	2,844	3,163	35,570	3,503	3,192	3,101
Arizona	9,845	6,845	92,019	8,870	9,180	8,454
Arkansas	392	1,668	34,603	1,697	1,240	550
California	10,510	12,223	129,449	10,220	9,776	10,078
Colorado	3,128	2,677	32,148	3,568	2,727	2,651
Connecticut	0	0	7,174	598	597	598
Delaware	6	7	4,337	5	5	1
District of Columbia	0	0	0	0	0	0
Florida	11,945	13,717	316,486	14,992	17,873	23,037
Georgia	36	24	21,447	58	327	466
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	92	110	2,764	130	156	129
Indiana	939	470	7,754	1,986	282	627
Iowa	173	211	4,735	257	255	251
Kansas	638	736	33,509	1,239	1,227	1,321
Kentucky	51	61	4,073	519	359	194
Louisiana	11,918	14,334	292,002	17,809	17,447	20,551
Maine	0	0	0	0	0	0
Maryland	0	2	20,665	109	1,864	1,594
Massachusetts	8	10	3,190	23	201	247
Michigan	1,565	2,516	43,548	3,891	3,325	2,942
Minnesota	131	203	5,411	413	335	289
Mississippi	1,703	3,494	89,110	4,617	3,896	3,745
Missouri	654	474	30,480	1,161	650	1,405
Montana	0	1	192	25	8	0
Nebraska	107	48	5,508	316	319	410
Nevada	5,726	7,338	80,037	7,380	7,343	8,092
New Hampshire	0	0	783	0	0	0
New Jersey	21	0	16,952	54	26	34
New Mexico	2,465	1,482	38,080	1,757	1,601	2,414
New York	2,923	2,434	95,812	3,242	5,006	6,021
North Carolina	0	7	9,579	4	210	204
North Dakota	0	0	0	0	0	0
Ohio	101	73	6,791	250	323	291
Oklahoma	6,291	8,762	169,031	11,350	8,367	10,238
Oregon	5,099	3,539	41,500	5,761	4,121	4,316
Pennsylvania	92	64	2,955	79	193	207
Rhode Island	0	0	0	0	0	0
South Carolina	8	23	2,814	14	55	31
South Dakota	302	97	3,607	311	412	235
Tennessee	0	0	1,829	14	43	0
Texas	52,505	59,958	1,245,008	72,445	67,697	88,232
Utah	1,389	1,265	10,544	1,182	1,048	1,071
Vermont	3	31	1,023	18	116	127
Virginia	22	62	15,923	235	433	519
Washington	5,604	4,084	41,173	2,829	4,978	6,796
West Virginia	66	19	425	33	26	41
Wisconsin	1,296	570	12,043	1,436	658	426
Wyoming	229	229	1,843	239	135	360
Total	**142,672**	**156,708**	**3,050,267**	**187,443**	**180,916**	**214,084**

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	September	August	July	June	May	April
Alabama	3,225	7,664	6,473	4,484	3,825	1,449
Alaska	2,874	2,819	2,797	2,699	2,831	2,684
Arizona	10,500	14,122	11,522	8,958	6,904	3,983
Arkansas	2,346	5,039	4,641	3,986	3,902	3,267
California	13,583	17,611	15,277	13,724	9,877	5,473
Colorado	3,071	4,115	3,577	2,716	2,585	1,134
Connecticut	598	598	598	598	598	598
Delaware	13	27	17	1,126	1,307	487
District of Columbia	0	0	0	0	0	0
Florida	27,763	32,193	32,272	28,482	31,636	27,953
Georgia	1,941	5,018	6,032	3,627	3,448	242
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	279	502	515	264	359	162
Indiana	1,193	988	689	238	477	296
Iowa	486	972	628	326	581	241
Kansas	3,667	8,932	6,020	2,170	2,730	2,085
Kentucky	133	464	307	417	767	116
Louisiana	27,576	40,290	34,861	29,575	28,352	19,421
Maine	0	0	0	0	0	0
Maryland	1,308	3,029	2,150	4,187	2,603	1,972
Massachusetts	171	508	281	344	449	431
Michigan	2,805	5,522	2,659	4,210	4,754	3,254
Minnesota	268	1,308	790	613	440	268
Mississippi	6,197	11,679	11,398	9,777	10,434	6,032
Missouri	3,470	8,384	4,583	2,511	2,932	1,545
Montana	5	55	32	19	8	0
Nebraska	586	1,519	926	478	471	178
Nevada	7,974	9,610	7,714	7,471	5,848	4,805
New Hampshire	0	0	0	0	2	187
New Jersey	100	2,619	2,689	4,157	3,335	1,979
New Mexico	3,002	4,929	4,589	3,227	3,567	3,411
New York	6,761	8,748	13,156	11,315	10,633	9,099
North Carolina	736	2,273	1,831	2,505	1,613	27
North Dakota	0	0	0	0	0	0
Ohio	340	1,231	603	626	1,142	610
Oklahoma	18,117	26,734	22,244	14,828	16,392	14,196
Oregon	4,053	4,417	4,793	3,061	1,647	565
Pennsylvania	187	382	214	263	286	272
Rhode Island	0	0	0	0	0	0
South Carolina	75	650	549	720	573	69
South Dakota	460	810	567	421	210	27
Tennessee	15	184	414	235	485	9
Texas	119,309	162,282	155,290	124,190	135,107	93,453
Utah	879	1,222	1,097	1,258	851	669
Vermont	112	160	130	168	89	62
Virginia	562	2,074	1,832	1,682	1,928	1,503
Washington	6,420	7,189	5,564	5,106	1,619	111
West Virginia	74	45	26	61	14	24
Wisconsin	686	1,787	1,221	670	1,761	842
Wyoming	213	238	287	321	12	5
Total	**284,133**	**410,943**	**373,854**	**307,816**	**309,385**	**215,196**

See footnotes at end of table.

Table 18

Table 18. Natural Gas Deliveries to Electric Utility[a] Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	246	450	1,055	20,918	675	890
Alaska	2,910	2,789	3,373	30,529	3,388	2,838
Arizona	2,687	3,149	3,690	50,875	3,284	3,338
Arkansas	3,830	3,395	710	40,088	1,983	2,045
California	8,114	7,523	8,193	144,655	7,162	7,491
Colorado	1,952	2,152	1,900	19,155	1,165	1,111
Connecticut	598	597	597	13,095	548	1,162
Delaware	317	383	649	19,878	498	337
District of Columbia	0	0	0	0	0	0
Florida	29,405	24,395	26,485	319,274	24,985	25,438
Georgia	154	67	66	20,537	174	457
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	58	55	155	40,716	828	1,838
Indiana	158	309	512	7,655	245	157
Iowa	220	237	281	5,249	241	314
Kansas	1,170	1,492	1,457	35,889	1,051	738
Kentucky	107	162	526	5,590	223	263
Louisiana	20,951	14,370	20,798	320,328	17,336	16,696
Maine	0	0	0	0	0	0
Maryland	1,068	261	520	16,399	409	346
Massachusetts	289	152	94	8,141	107	396
Michigan	2,589	3,468	4,129	51,122	3,069	3,198
Minnesota	200	182	306	6,595	149	254
Mississippi	5,957	6,211	9,167	101,623	8,923	5,721
Missouri	1,066	1,259	1,515	19,427	581	451
Montana	8	5	25	289	10	14
Nebraska	75	116	113	4,555	49	102
Nevada	4,730	3,875	5,195	65,105	6,050	4,561
New Hampshire	415	57	121	572	134	22
New Jersey	969	536	453	32,650	1,067	1,107
New Mexico	3,574	3,059	2,951	35,581	2,682	2,185
New York	9,217	6,988	5,625	181,823	9,010	11,263
North Carolina	37	55	84	10,584	17	50
North Dakota	0	0	0	0	0	0
Ohio	668	254	455	11,105	426	179
Oklahoma	10,753	6,837	8,976	169,845	9,307	8,189
Oregon	2,626	2,963	3,177	23,292	2,383	2,966
Pennsylvania	270	223	378	10,376	429	265
Rhode Island	0	0	0	0	0	0
South Carolina	27	15	35	5,118	48	77
South Dakota	57	15	82	2,527	94	23
Tennessee	18	118	293	3,460	29	32
Texas	87,318	66,364	73,321	1,207,293	64,472	63,481
Utah	607	308	352	6,478	524	398
Vermont	14	23	5	250	3	3
Virginia	1,958	1,336	1,860	23,457	1,106	928
Washington	2	97	461	6,693	258	467
West Virginia	33	32	15	385	42	37
Wisconsin	712	1,096	748	14,077	688	573
Wyoming	8	12	10	167	15	10
Total	**208,142**	**167,439**	**190,914**	**3,113,420**	**175,868**	**172,410**

[a] Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.
NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.
Source: Form EIA-759, "Monthly Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001		
				May	April	March
Alabama	138,788	137,663	131,567	22,484	24,207	27,845
Alaska	60,474	65,680	66,951	10,251	11,177	13,156
Arizona	103,302	69,390	64,106	19,759	19,016	21,528
Arkansas	NA	113,398	112,061	NA	NA	19,758
California	1,022,922	875,486	909,120	172,734	R189,353	201,309
Colorado	195,631	153,429	144,771	26,081	34,556	42,280
Connecticut	NA	69,365	65,521	5,996	9,977	NA
Delaware	19,465	24,803	25,768	1,985	3,403	4,378
District of Columbia	NA	19,073	20,128	1,713	3,327	NA
Florida	177,807	232,051	190,118	41,672	39,132	34,664
Georgia	NA	175,570	173,192	20,360	NA	36,829
Hawaii	NA	1,212	1,151	237	243	NA
Idaho	NA	32,200	33,702	4,306	5,648	NA
Illinois	508,839	493,395	526,902	46,939	62,502	116,688
Indiana	NA	280,642	284,667	NA	NA	56,804
Iowa	120,881	111,442	120,521	12,907	17,579	27,117
Kansas	119,495	116,150	120,896	11,196	17,395	26,818
Kentucky	97,909	99,276	99,182	9,233	14,309	21,150
Louisiana	572,640	561,586	519,344	106,573	118,049	117,503
Maine	NA	3,761	2,988	NA	NA	NA
Maryland	98,842	105,024	99,908	9,013	14,433	21,897
Massachusetts	NA	176,596	165,847	NA	R28,993	34,854
Michigan	483,844	488,110	488,789	48,392	77,479	112,951
Minnesota	173,474	NA	171,706	15,177	24,580	39,246
Mississippi	99,303	114,797	112,027	19,073	19,726	R18,410
Missouri	163,172	145,866	144,563	13,352	22,808	34,281
Montana	28,636	28,897	29,848	3,050	4,714	5,390
Nebraska	63,068	58,518	62,568	6,985	10,413	13,509
Nevada	80,970	69,358	66,073	12,539	12,358	17,758
New Hampshire	NA	12,569	11,441	NA	NA	1,893
New Jersey	318,184	340,578	336,578	28,088	50,766	70,799
New Mexico	61,321	58,595	57,675	10,186	11,874	11,069
New York	565,339	639,282	604,925	79,561	R98,645	R122,843
North Carolina	99,388	114,720	103,268	11,104	15,080	20,029
North Dakota	20,123	18,434	21,282	2,622	3,826	R3,526
Ohio	485,215	455,288	455,706	43,759	70,286	R108,585
Oklahoma	181,396	174,763	202,063	29,119	32,718	37,734
Oregon	NA	96,266	91,415	NA	NA	18,596
Pennsylvania	NA	350,639	344,673	NA	NA	R78,060
Rhode Island	NA	42,504	41,685	6,970	7,140	NA
South Carolina	60,077	74,611	71,647	8,506	10,441	12,101
South Dakota	19,653	14,962	16,474	2,433	3,339	4,634
Tennessee	136,581	130,913	133,079	14,787	R21,517	R27,420
Texas	1,401,272	1,473,029	1,333,489	277,578	259,096	R280,561
Utah	69,418	63,904	65,676	7,742	11,148	13,022
Vermont	4,725	5,192	4,436	598	837	1,091
Virginia	NA	126,908	123,394	11,849	NA	22,827
Washington	NA	126,528	120,741	NA	NA	29,462
West Virginia	NA	55,433	55,034	NA	9,707	11,351
Wisconsin	NA	196,369	192,793	NA	26,098	54,615
Wyoming	25,683	36,014	27,976	3,674	4,261	5,065
Total	**9,581,727**	**9,595,802**	**9,369,434**	**1,336,270**	**R1,607,962**	**R2,036,911**

See footnotes at end of table.

Table 19

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2001		2000			
	February	January	Total	December	November	October
Alabama	28,297	35,955	R304,344	R30,706	23,153	20,238
Alaska	12,312	13,578	150,764	14,501	12,428	12,384
Arizona	23,136	19,862	R186,651	21,051	16,769	13,582
Arkansas	19,135	NA	R245,239	R30,257	R21,287	R15,213
California	215,940	243,586	R2,245,008	R211,892	196,849	193,726
Colorado	R44,037	R48,678	R305,953	44,595	27,332	18,670
Connecticut	14,262	17,311	R131,757	16,912	11,733	8,285
Delaware	4,653	5,046	R44,721	4,166	2,964	2,895
District of Columbia	4,815	5,808	32,675	4,654	2,276	1,495
Florida	R29,242	33,098	R519,672	31,407	34,259	38,172
Georgia	34,525	49,769	395,150	59,198	35,970	24,018
Hawaii	237	253	2,841	232	240	233
Idaho	8,519	8,916	R64,286	R8,096	6,316	R4,292
Illinois	131,857	150,852	975,498	168,883	104,404	54,739
Indiana	60,710	NA	R567,867	81,603	50,183	R36,256
Iowa	29,847	33,432	R226,713	35,028	22,410	13,985
Kansas	27,907	36,179	NA	30,737	NA	13,091
Kentucky	22,533	R30,684	R202,244	32,468	R20,929	11,938
Louisiana	110,494	R120,022	R1,420,679	R129,084	R123,040	R123,887
Maine	0	NA	R7,627	1,196	841	552
Maryland	22,949	30,551	R207,897	28,020	18,972	12,136
Massachusetts	37,237	R40,901	R335,207	R40,282	R26,585	21,331
Michigan	112,343	132,679	R890,591	126,002	73,002	50,281
Minnesota	46,046	48,424	NA	53,510	35,041	18,833
Mississippi	R16,116	R25,978	R246,948	R22,314	16,355	R14,906
Missouri	40,719	52,011	R280,271	43,168	21,358	R16,175
Montana	R7,940	R7,541	R56,277	R7,908	R5,995	3,782
Nebraska	15,234	16,928	118,934	15,797	9,200	6,230
Nevada	R18,423	19,892	R182,023	20,142	17,346	16,003
New Hampshire	2,132	NA	R20,907	2,367	1,772	1,055
New Jersey	76,848	91,683	R640,438	79,968	R50,846	R36,032
New Mexico	14,377	13,815	R128,942	14,345	R10,979	8,780
New York	R128,504	R135,786	R1,266,560	R130,968	R97,055	R80,662
North Carolina	23,972	29,204	R229,293	27,732	19,785	13,884
North Dakota	5,277	4,871	R36,968	5,102	3,502	2,637
Ohio	117,646	144,940	R850,558	122,250	R78,829	49,400
Oklahoma	39,774	42,051	R403,026	R42,462	R27,150	R24,184
Oregon	24,926	NA	R212,753	23,199	18,385	R16,133
Pennsylvania	R80,368	R97,232	R658,247	91,421	R57,938	R38,968
Rhode Island	7,850	9,111	80,212	11,475	6,383	5,291
South Carolina	12,786	16,242	150,696	15,504	12,069	10,047
South Dakota	4,871	4,376	32,782	5,532	R3,636	1,726
Tennessee	29,379	43,477	R264,743	36,983	22,113	R16,954
Texas	R274,619	R309,418	R3,685,190	R315,152	R270,336	R283,828
Utah	17,404	20,102	137,373	18,934	17,107	10,091
Vermont	1,005	1,195	10,410	949	941	761
Virginia	26,989	34,420	R252,542	R37,124	21,653	R13,017
Washington	36,646	NA	R305,744	R29,098	R29,451	R27,313
West Virginia	12,683	15,199	R103,710	12,722	7,736	6,332
Wisconsin	R53,130	R54,168	R388,915	63,137	39,761	23,529
Wyoming	5,914	6,770	68,032	7,009	6,487	4,113
Total	**R2,136,565**	**R2,464,019**	**R20,861,799**	**R2,407,244**	**R1,760,115**	**R1,442,066**

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000					
	September	August	July	June	May	April
Alabama	20,018	25,539	R23,969	R23,057	R24,789	R24,687
Alaska	10,109	13,775	11,570	10,317	10,343	12,371
Arizona	15,531	19,057	16,802	14,469	13,011	11,364
Arkansas	R14,725	R18,180	R16,048	R16,131	R18,181	R18,857
California	185,997	R212,309	189,304	R179,444	165,860	R147,024
Colorado	14,881	15,382	R15,111	R16,554	R19,257	26,790
Connecticut	6,193	6,623	6,092	6,554	8,318	10,447
Delaware	2,052	1,969	2,150	3,721	4,630	4,534
District of Columbia	1,258	1,207	1,256	1,455	2,064	2,948
Florida	42,773	48,294	48,128	44,588	49,164	45,854
Georgia	22,422	26,198	27,070	24,703	27,534	27,382
Hawaii	227	221	235	242	243	235
Idaho	3,468	2,977	3,239	3,698	4,220	R5,566
Illinois	40,938	38,121	36,018	38,999	46,463	75,944
Indiana	R31,150	30,071	28,313	R29,648	34,564	44,691
Iowa	11,463	10,918	10,404	11,062	12,924	17,355
Kansas	R17,788	22,968	R19,610	R14,442	R15,884	R19,016
Kentucky	9,776	9,513	8,912	9,433	10,590	15,192
Louisiana	R122,921	R144,534	R110,296	R105,333	R111,952	R100,558
Maine	359	229	337	352	R396	695
Maryland	9,570	11,080	10,234	12,861	13,336	16,940
Massachusetts	R16,297	R17,292	R17,726	R19,098	R25,573	R29,682
Michigan	38,350	R37,993	R34,422	42,429	58,965	80,288
Minnesota	15,360	14,016	13,056	16,793	14,404	25,996
Mississippi	R15,903	R22,149	R21,105	19,420	22,097	R19,408
Missouri	11,316	R16,203	14,212	R11,973	R16,265	R21,114
Montana	R2,565	R2,086	R2,290	R2,754	3,188	R4,775
Nebraska	8,198	6,154	8,487	6,349	6,198	10,259
Nevada	R14,931	16,715	13,688	13,839	13,532	12,713
New Hampshire	767	712	720	R946	R1,353	2,002
New Jersey	R27,334	37,718	33,154	34,808	38,657	54,015
New Mexico	8,467	9,723	R9,153	R8,900	R8,453	10,555
New York	R79,748	R77,558	R79,691	R81,595	R93,702	R115,129
North Carolina	11,503	13,651	12,686	R15,333	15,371	16,859
North Dakota	1,794	1,784	1,065	2,651	2,029	R3,167
Ohio	36,168	35,892	35,631	37,099	48,856	71,664
Oklahoma	R31,564	38,759	R34,909	R29,236	R32,162	R33,751
Oregon	14,804	14,598	15,091	14,277	R13,955	15,611
Pennsylvania	R30,250	29,170	R28,072	R31,789	R36,429	R55,462
Rhode Island	3,154	3,179	4,096	4,129	5,507	7,280
South Carolina	8,813	10,211	9,716	9,726	11,884	12,757
South Dakota	1,634	2,042	1,662	1,586	1,652	2,192
Tennessee	14,683	14,547	14,146	R14,404	16,353	R21,299
Texas	R307,570	R368,667	R341,728	324,880	340,448	R296,019
Utah	7,420	6,592	6,584	6,742	7,555	9,240
Vermont	641	614	602	711	732	909
Virginia	11,716	12,929	R14,348	R14,847	R15,265	R20,528
Washington	R24,175	24,575	21,629	R22,976	19,834	20,729
West Virginia	5,326	5,310	R5,261	5,589	7,390	8,386
Wisconsin	17,335	17,647	15,502	15,636	21,091	R31,822
Wyoming	3,758	R3,394	3,229	4,028	5,339	7,006
Total	**R1,355,166**	**R1,521,044**	**R1,398,757**	**R1,381,605**	**R1,497,960**	**R1,649,069**

See footnotes at end of table.

Table 19

Table 19. Natural Gas Deliveries to All Consumers, by State, 1999-2001

(Million Cubic Feet) — Continued

State	2000			1999		
	March	February	January	Total	December	November
Alabama	[R]25,544	[R]31,560	[R]31,082	295,414	27,778	23,841
Alaska	14,108	13,134	15,724	150,054	16,172	14,810
Arizona	12,786	[R]15,556	16,672	142,216	13,717	9,387
Arkansas	[R]24,708	[R]25,813	[R]25,839	249,371	23,807	17,325
California	[R]182,233	[R]183,311	197,058	2,070,537	181,988	159,881
Colorado	[R]32,290	[R]35,959	[R]39,134	271,006	30,305	21,081
Connecticut	14,836	18,799	[R]16,966	131,143	14,232	11,320
Delaware	4,622	[R]5,170	5,846	55,936	4,552	3,077
District of Columbia	3,735	5,287	5,038	31,993	3,224	2,334
Florida	48,283	[R]42,890	[R]45,861	510,162	41,265	40,536
Georgia	31,402	39,187	50,064	322,758	38,695	24,229
Hawaii	245	243	246	2,735	230	223
Idaho	6,600	7,207	8,608	64,414	7,221	5,381
Illinois	94,247	122,928	153,814	980,610	132,586	82,163
Indiana	53,012	68,703	[R]79,673	552,765	63,918	44,341
Iowa	[R]21,556	[R]27,033	32,575	223,514	26,107	17,894
Kansas	[R]22,427	[R]27,735	[R]31,088	240,458	23,154	13,434
Kentucky	18,468	[R]24,180	30,846	194,425	25,286	16,959
Louisiana	[R]110,744	[R]110,385	[R]127,946	1,265,867	104,679	95,505
Maine	779	[R]839	1,052	6,054	785	531
Maryland	20,301	26,408	[R]28,038	191,596	22,001	14,733
Massachusetts	[R]36,370	[R]49,100	[R]35,872	336,565	38,237	27,970
Michigan	97,787	[R]120,937	[R]130,133	882,566	103,906	76,676
Minnesota	31,600	[R]41,391	NA	317,798	41,255	26,602
Mississippi	20,822	24,299	[R]28,171	266,595	25,866	19,583
Missouri	[R]28,115	[R]40,295	[R]40,077	259,431	30,427	17,785
Montana	[R]6,102	[R]7,238	[R]7,594	55,095	6,746	5,132
Nebraska	12,441	14,387	15,233	118,478	10,991	7,373
Nevada	13,978	13,131	[R]16,003	150,698	16,423	11,071
New Hampshire	[R]2,940	[R]3,066	[R]3,207	20,310	2,231	1,561
New Jersey	69,789	90,487	87,629	612,707	58,566	50,178
New Mexico	12,763	12,681	14,143	124,829	15,906	10,607
New York	[R]155,079	[R]145,657	[R]129,715	1,209,656	118,176	95,020
North Carolina	23,876	[R]30,155	28,459	210,291	23,244	16,297
North Dakota	3,756	4,425	[R]5,057	38,160	4,075	3,186
Ohio	91,256	114,573	128,939	828,223	100,467	70,716
Oklahoma	33,621	[R]36,988	[R]38,240	449,005	34,813	27,650
Oregon	20,300	21,926	24,475	198,402	21,662	18,954
Pennsylvania	71,741	[R]89,196	97,810	635,761	75,969	53,754
Rhode Island	8,125	10,629	10,963	83,933	7,937	7,247
South Carolina	14,670	18,272	17,028	154,036	15,644	13,101
South Dakota	3,170	3,628	4,319	28,903	3,392	2,122
Tennessee	[R]22,727	[R]34,546	[R]35,988	261,242	25,892	19,688
Texas	[R]264,192	[R]283,278	[R]289,092	3,507,315	309,568	272,367
Utah	15,150	14,907	17,053	133,301	18,902	12,057
Vermont	1,097	1,319	1,135	8,024	882	696
Virginia	[R]23,906	33,927	33,281	255,556	34,638	18,106
Washington	26,245	28,154	31,565	256,042	30,755	23,300
West Virginia	[R]11,179	[R]14,210	[R]14,268	103,951	11,989	8,800
Wisconsin	[R]37,049	[R]47,013	[R]59,394	369,839	50,652	31,668
Wyoming	7,249	8,367	8,053	60,596	6,329	5,889
Total	**[R]1,910,024**	**[R]2,190,510**	**[R]2,348,239**	**19,890,341**	**2,047,240**	**1,574,142**

[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 5 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				May	April	March	February	January
Alabama	7.34	3.25	2.84	6.98	6.33	6.90	8.60	7.12
Alaska	2.42	1.60	1.32	2.23	2.20	2.55	2.53	2.44
Arizona	6.26	3.10	2.32	4.92	5.22	5.31	6.25	7.91
Arkansas	NA	NA	2.83	NA	NA	NA	NA	NA
California	9.07	3.02	2.26	7.32	7.52	8.36	9.42	12.64
Colorado	5.50	2.61	1.94	3.94	5.21	4.73	5.01	7.10
Connecticut	9.91	5.74	4.67	8.87	9.97	8.65	10.03	11.06
Delaware	6.62	3.16	3.52	5.15	5.96	6.10	7.33	8.30
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.38	3.80	3.28	5.75	6.50	6.30	6.18	10.21
Georgia	NA	3.36	3.63	5.77	NA	6.65	8.05	8.90
Hawaii	8.16	7.67	4.70	7.91	7.57	7.42	8.78	9.17
Idaho	5.47	2.67	1.83	6.00	5.24	4.10	4.69	6.94
Illinois	7.30	3.28	2.64	5.03	6.09	5.19	6.89	10.53
Indiana	NA	2.69	2.24	NA	NA	NA	NA	NA
Iowa	7.73	3.64	2.91	6.52	6.47	6.06	8.01	9.35
Kansas	8.04	3.47	2.60	6.45	6.59	5.92	8.32	10.13
Kentucky	7.69	3.81	3.15	7.18	5.53	5.89	8.65	9.15
Louisiana	NA	3.33	2.38	5.64	6.06	NA	6.96	10.43
Maine	NA	4.42	3.37	NA	NA	NA	NA	NA
Maryland	7.80	4.01	3.03	8.14	5.23	6.51	6.85	10.03
Massachusetts	NA	4.16	3.35	7.07	NA	6.22	7.22	NA
Michigan	4.19	3.02	2.83	4.61	4.90	3.60	3.52	4.40
Minnesota	7.18	3.32	2.69	5.51	6.00	5.51	7.28	9.37
Mississippi	NA	3.24	2.65	5.43	6.33	NA	6.44	9.68
Missouri	7.40	3.59	2.88	7.66	6.67	5.60	7.07	8.73
Montana	5.36	2.89	2.55	3.85	4.09	5.03	5.31	7.34
Nebraska	7.96	3.35	2.99	6.28	7.20	6.52	8.10	9.46
Nevada	NA	3.62	2.45	NA	6.54	5.53	5.64	6.71
New Hampshire	NA	4.07	3.54	NA	NA	NA	NA	NA
New Jersey	7.88	4.34	3.47	9.65	8.41	6.15	7.48	8.82
New Mexico	5.20	2.54	2.03	3.71	4.55	4.75	5.81	5.56
New York	NA	NA	2.77	5.22	NA	6.01	7.56	NA
North Carolina	8.26	3.91	3.05	7.25	7.20	7.05	8.02	9.87
North Dakota	6.81	3.68	2.74	4.76	5.64	6.00	6.48	9.50
Ohio	9.36	5.52	4.84	6.29	11.56	9.95	10.34	7.87
Oklahoma	7.34	NA	2.81	6.61	5.95	6.89	9.58	6.59
Oregon	4.72	3.14	2.61	4.70	4.25	4.45	4.67	5.26
Pennsylvania	NA	4.07	3.30	7.41	NA	NA	NA	NA
Rhode Island	7.63	3.29	3.83	9.90	8.79	8.49	5.95	7.40
South Carolina	8.06	3.91	3.17	6.94	6.87	6.34	7.88	10.46
South Dakota	8.03	3.95	3.35	7.30	7.50	6.58	7.68	9.94
Tennessee	7.29	3.44	2.72	5.55	5.99	6.30	7.73	9.28
Texas	NA	3.01	2.64	5.61	5.71	NA	7.01	9.10
Utah	6.00	3.39	2.72	5.53	5.51	6.35	6.41	5.83
Vermont	5.96	3.66	2.98	6.08	6.11	6.08	5.99	5.68
Virginia	7.28	3.98	3.40	8.13	4.72	6.61	7.65	8.11
Washington	NA	2.95	2.41	NA	NA	NA	NA	NA
West Virginia	NA	3.42	3.60	NA	5.98	NA	4.26	4.25
Wisconsin	NA	3.28	2.73	NA	6.41	6.13	6.61	9.93
Wyoming	7.56	4.23	3.40	6.38	6.91	8.98	7.01	8.07
Total	**7.31**	**3.55**	**2.91**	**5.92**	**6.46**	**6.28**	**7.29**	**8.95**

See footnotes at end of table.

Table 20

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	Total	December	November	October	September	August	July	June
Alabama	4.39	6.00	5.62	6.00	5.12	5.22	5.50	5.70
Alaska	1.60	1.61	1.62	1.62	1.60	1.58	1.53	1.59
Arizona	4.57	7.07	5.51	5.36	4.95	4.81	5.66	5.21
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	4.31	7.30	5.09	5.17	4.98	4.13	4.70	4.42
Colorado	3.53	5.13	4.04	4.24	3.32	3.56	4.05	3.71
Connecticut	6.73	8.35	7.06	7.30	9.62	7.12	7.54	7.99
Delaware	3.41	4.19	5.44	4.49	2.74	2.53	2.37	2.99
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.07	7.92	6.37	6.65	5.45	4.87	5.05	5.32
Georgia	4.57	7.09	R5.74	R5.31	5.09	5.17	4.81	R4.81
Hawaii	8.41	9.81	9.43	9.09	9.04	8.69	8.17	8.46
Idaho	4.00	6.70	4.67	5.27	3.85	3.60	5.32	4.08
Illinois	5.01	7.83	5.33	6.39	6.05	5.12	5.96	7.23
Indiana	4.26	6.20	4.54	R5.40	5.23	3.59	R5.08	4.60
Iowa	5.06	7.38	5.81	6.41	5.84	5.45	6.39	5.45
Kansas	4.61	6.21	5.21	6.46	5.87	4.91	5.57	4.82
Kentucky	4.92	6.75	5.79	6.14	5.18	5.17	5.11	4.88
Louisiana	NA	NA	5.61	5.93	5.23	R4.28	R4.75	4.84
Maine	5.33	5.98	4.41	8.22	7.91	8.06	10.85	7.08
Maryland	5.36	7.33	5.86	7.62	6.25	6.70	8.23	8.46
Massachusetts	5.29	6.90	5.48	6.93	7.90	7.17	7.99	9.07
Michigan	3.23	3.67	3.44	3.48	3.32	3.33	3.33	3.02
Minnesota	4.90	7.35	5.66	5.95	5.67	4.92	5.64	5.22
Mississippi	4.55	7.85	5.50	R5.73	R5.09	4.57	4.82	3.61
Missouri	4.92	6.09	5.49	R6.76	7.18	6.89	7.35	7.33
Montana	3.54	5.11	4.27	3.93	3.39	2.86	3.50	3.25
Nebraska	4.52	6.03	5.11	5.89	5.23	4.59	5.54	5.11
Nevada	4.82	6.35	6.28	5.26	4.74	4.09	5.77	5.24
New Hampshire	5.32	8.08	7.20	6.24	6.66	6.42	6.92	4.96
New Jersey	NA	NA	5.74	7.94	9.17	R7.49	8.07	10.86
New Mexico	3.79	6.04	4.98	4.91	3.66	3.16	3.78	3.77
New York	NA	NA	NA	NA	NA	NA	NA	NA
North Carolina	5.09	6.78	5.77	6.38	6.08	5.21	5.99	6.44
North Dakota	4.77	6.20	5.41	5.81	4.66	4.55	8.28	4.78
Ohio	6.10	7.17	5.69	7.58	6.74	7.86	8.41	5.89
Oklahoma	NA	5.58	5.60	4.94	R3.57	R4.48	4.14	3.19
Oregon	3.86	4.86	4.87	4.66	3.71	4.18	4.70	4.22
Pennsylvania	5.21	6.33	5.67	R6.40	R6.66	5.43	7.83	7.48
Rhode Island	4.09	7.38	4.47	7.15	5.65	5.60	5.36	4.87
South Carolina	5.09	6.82	5.87	6.56	6.15	5.47	5.93	5.73
South Dakota	4.81	6.29	4.55	5.57	5.06	5.66	6.92	6.39
Tennessee	4.84	7.27	5.67	5.71	4.77	3.95	5.74	R5.05
Texas	4.29	6.90	5.26	5.49	5.02	R4.21	R4.46	4.41
Utah	3.64	4.26	3.87	3.88	3.43	3.74	3.15	3.14
Vermont	4.26	5.21	5.34	5.11	4.39	4.49	4.08	4.05
Virginia	5.43	8.19	6.39	R5.62	7.29	6.87	7.40	6.32
Washington	NA	NA	NA	NA	3.67	3.76	4.96	R5.00
West Virginia	3.79	3.74	4.00	5.47	2.86	7.33	4.97	4.12
Wisconsin	4.42	5.85	5.12	5.79	5.63	5.04	5.88	5.67
Wyoming	5.09	7.97	5.53	5.46	4.51	R4.34	4.88	4.56
Total	**4.65**	**6.81**	**5.20**	**5.64**	**5.17**	**4.59**	**5.12**	**5.17**

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000					1999		
	May	April	March	February	January	Total	December	November
Alabama	4.20	3.40	3.43	3.05	2.95	3.21	3.24	3.74
Alaska	1.62	1.60	1.64	1.56	1.61	1.32	1.32	1.34
Arizona	3.84	3.54	3.05	2.97	2.70	2.72	2.68	3.37
Arkansas	NA	NA	NA	NA	NA	2.81	2.26	3.45
California	3.44	3.40	2.90	2.88	2.59	2.61	2.65	3.27
Colorado	2.91	2.82	2.31	2.99	2.34	2.31	2.27	3.52
Connecticut	6.62	5.67	5.59	6.00	5.40	4.91	5.42	5.81
Delaware	2.82	2.74	3.04	3.29	3.80	3.45	2.78	3.48
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.07	4.12	3.57	3.55	3.86	3.49	3.70	3.77
Georgia	3.67	3.29	R3.31	R3.31	R3.32	2.95	2.80	4.19
Hawaii	8.84	8.05	6.96	7.40	7.14	5.62	7.40	7.20
Idaho	3.13	3.15	2.64	2.52	2.50	2.23	2.50	3.07
Illinois	4.38	3.47	3.30	3.13	2.93	3.00	3.13	3.55
Indiana	3.02	2.91	R2.44	R2.67	R2.55	2.46	2.57	3.09
Iowa	7.00	3.72	3.75	3.47	3.03	3.30	3.98	3.95
Kansas	4.02	3.44	3.48	3.61	3.21	2.96	3.12	3.60
Kentucky	4.94	3.55	3.90	3.88	3.65	3.27	3.42	3.82
Louisiana	3.68	3.85	3.39	3.30	2.96	2.70	2.71	3.59
Maine	4.17	5.01	6.13	2.92	4.08	4.61	4.33	7.89
Maryland	6.79	4.47	4.18	3.94	3.53	3.45	3.30	4.28
Massachusetts	5.87	4.22	3.90	4.69	3.29	3.74	3.70	4.12
Michigan	3.00	3.06	2.90	3.01	3.11	2.83	2.93	2.95
Minnesota	3.64	3.33	3.63	R3.27	R3.02	3.06	3.42	4.24
Mississippi	3.39	R2.91	3.50	3.32	3.10	2.88	3.05	3.49
Missouri	5.62	4.33	3.68	3.40	3.07	3.34	3.02	3.87
Montana	2.90	2.80	3.02	3.05	2.72	2.57	2.91	3.00
Nebraska	3.73	3.69	3.36	3.54	2.97	3.12	3.50	3.79
Nevada	4.39	4.01	3.55	3.50	R3.24	2.59	3.27	3.01
New Hampshire	3.96	4.16	4.65	3.91	3.80	4.07	4.09	6.30
New Jersey	6.02	4.91	4.12	3.70	3.89	4.55	4.52	4.95
New Mexico	2.96	2.70	2.50	2.36	2.50	2.24	2.42	2.64
New York	NA	NA	NA	NA	NA	2.92	2.86	3.72
North Carolina	4.47	4.05	3.83	3.99	3.57	3.33	3.61	3.94
North Dakota	4.12	3.59	3.66	R3.81	R3.49	3.07	3.38	4.22
Ohio	7.94	5.93	6.73	4.85	4.98	4.83	4.48	4.66
Oklahoma	3.36	2.88	3.01	2.66	NA	2.84	3.59	3.55
Oregon	3.59	3.31	3.04	3.14	2.97	2.93	3.03	3.44
Pennsylvania	6.08	4.28	4.72	3.87	3.44	3.65	3.33	4.03
Rhode Island	3.74	2.92	3.17	3.30	3.45	4.19	5.29	4.37
South Carolina	4.55	4.14	3.84	3.84	3.60	3.46	3.51	3.86
South Dakota	7.12	4.09	3.83	4.04	3.26	3.52	3.67	4.05
Tennessee	3.89	3.74	3.28	3.74	3.06	3.15	3.72	4.48
Texas	3.08	3.20	2.87	2.97	2.98	2.84	2.91	3.44
Utah	2.73	3.09	3.68	3.44	3.45	2.98	3.54	3.34
Vermont	4.10	3.71	3.80	3.56	3.46	2.85	1.43	3.85
Virginia	7.25	3.28	4.01	4.10	3.71	3.81	3.34	4.25
Washington	3.22	R3.68	R2.94	R2.87	2.75	2.63	3.38	3.28
West Virginia	3.06	3.26	R3.54	R3.57	3.45	3.40	3.07	3.82
Wisconsin	4.20	3.41	3.44	3.20	2.94	3.08	2.79	4.02
Wyoming	4.04	4.05	4.09	4.37	4.39	3.59	4.03	4.49
Total	**4.14**	**3.70**	**3.54**	**3.50**	**3.30**	**3.16**	**3.24**	**3.76**

R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

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

Table 21

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				May	April	March	February	January
Alabama	11.54	8.01	7.62	14.65	12.08	12.53	12.05	10.12
Alaska	4.18	3.44	3.59	4.36	4.16	4.19	4.17	4.11
Arizona	9.58	8.75	8.39	11.69	10.47	9.47	9.21	9.10
Arkansas	NA	7.13	6.38	NA	NA	NA	NA	NA
California	12.74	6.95	6.41	11.58	11.89	13.73	13.72	12.07
Colorado	8.60	5.17	4.95	10.05	9.52	9.03	R8.60	7.15
Connecticut	12.94	10.62	10.25	12.28	13.10	12.21	13.51	13.09
Delaware	10.39	7.71	8.23	12.36	11.14	10.78	10.31	9.27
District of Columbia	13.65	8.87	8.30	14.96	13.62	13.11	13.64	13.79
Florida	15.76	11.69	10.60	18.95	18.02	19.04	15.60	12.63
Georgia	NA	7.20	3.29	10.81	NA	9.44	11.55	10.46
Hawaii	22.39	20.73	18.39	22.11	21.71	22.10	22.81	23.21
Idaho	8.04	5.60	5.16	8.93	8.76	8.53	7.96	7.15
Illinois	10.85	5.66	4.79	10.35	9.28	9.62	11.33	11.86
Indiana	NA	6.16	5.77	NA	NA	NA	NA	NA
Iowa	9.88	6.24	5.30	10.43	9.34	8.48	9.76	11.16
Kansas	10.17	6.35	5.46	11.74	9.76	9.19	10.00	10.84
Kentucky	10.09	6.07	5.23	13.35	10.87	9.95	10.89	9.18
Louisiana	NA	6.49	5.91	9.42	8.69	NA	11.02	11.83
Maine	NA	8.60	7.41	NA	NA	NA	NA	NA
Maryland	12.15	8.19	7.62	14.37	12.68	10.82	12.85	11.94
Massachusetts	NA	9.16	9.95	NA	R13.97	NA	NA	R10.94
Michigan	5.14	4.93	4.87	7.17	5.40	4.93	4.92	4.87
Minnesota	10.11	5.88	5.12	9.30	8.67	8.73	9.39	12.62
Mississippi	NA	6.18	5.43	10.80	10.60	NA	R8.74	11.78
Missouri	10.33	6.42	5.85	12.87	11.19	10.76	10.93	9.01
Montana	7.09	5.40	4.86	7.67	7.40	7.40	6.99	6.60
Nebraska	8.98	5.26	4.52	9.20	8.05	8.25	10.31	8.72
Nevada	8.40	6.35	6.92	9.36	8.95	8.47	R8.31	7.91
New Hampshire	NA	8.19	7.14	11.42	NA	13.30	NA	NA
New Jersey	7.24	7.37	7.25	8.13	7.76	7.35	6.96	6.93
New Mexico	10.27	5.75	4.73	12.47	13.43	13.44	9.34	8.25
New York	NA	8.51	8.47	13.43	R11.32	NA	R12.04	NA
North Carolina	12.09	8.37	7.52	14.09	12.58	12.56	11.92	11.52
North Dakota	9.04	5.04	4.81	9.24	8.25	8.32	9.17	9.74
Ohio	10.43	6.30	5.84	11.71	10.89	R10.87	11.02	9.31
Oklahoma	8.61	6.01	5.32	11.37	9.61	8.70	9.09	7.23
Oregon	NA	7.42	6.85	9.47	9.25	9.10	8.94	NA
Pennsylvania	NA	7.65	7.92	NA	NA	R11.20	R11.23	R10.09
Rhode Island	11.65	8.89	9.01	12.49	11.98	11.60	11.55	11.34
South Carolina	12.82	8.78	8.19	12.35	12.17	12.38	13.41	12.92
South Dakota	9.91	6.07	5.17	9.26	9.28	8.30	10.40	11.20
Tennessee	10.79	6.70	5.92	11.24	R9.89	8.51	14.43	10.15
Texas	9.98	5.85	5.39	10.70	9.49	R8.85	R9.08	R11.21
Utah	8.46	6.16	5.18	9.59	7.97	8.82	8.44	8.26
Vermont	9.35	7.51	6.72	10.39	9.46	9.26	9.23	9.18
Virginia	12.27	8.18	7.86	15.51	12.15	11.27	12.73	12.15
Washington	NA	6.48	5.63	NA	NA	NA	NA	NA
West Virginia	NA	7.19	7.12	NA	7.32	NA	7.05	6.97
Wisconsin	NA	6.34	6.00	NA	9.58	8.73	R9.05	12.21
Wyoming	9.68	5.11	4.88	11.79	11.09	13.00	8.91	7.54
Total	**10.07**	**6.74**	**6.25**	**11.01**	**R10.06**	**R9.73**	**R10.28**	**R9.94**

See footnotes at end of table.

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	Total	December	November	October	September	August	July	June
Alabama	9.27	9.79	11.92	12.09	13.41	13.47	13.23	12.23
Alaska	3.57	3.90	3.41	3.52	3.74	3.88	4.20	3.86
Arizona	[R]9.62	9.06	10.14	13.15	13.68	14.09	14.76	12.42
Arkansas	NA	[R]8.69	[R]8.45	NA	[R]10.66	[R]11.90	NA	NA
California	8.18	10.45	9.51	9.86	8.82	8.72	8.90	8.35
Colorado	[R]6.03	6.61	7.19	7.43	9.24	9.06	7.94	6.80
Connecticut	11.29	11.81	11.99	12.65	13.32	12.81	13.50	13.08
Delaware	8.34	8.52	9.65	12.24	13.83	9.53	9.66	9.41
District of Columbia	9.97	12.28	12.78	13.52	14.02	9.97	9.68	8.59
Florida	13.27	13.83	15.95	16.23	16.62	16.44	14.86	14.99
Georgia	9.11	11.13	12.13	11.31	15.23	11.50	10.37	11.49
Hawaii	21.87	23.59	22.88	23.24	22.96	22.67	22.09	22.20
Idaho	6.29	7.05	7.29	7.59	7.85	8.19	7.23	6.22
Illinois	7.35	8.76	8.72	10.14	10.54	10.84	11.19	9.87
Indiana	6.99	7.53	7.15	[R]9.02	[R]9.63	10.82	10.33	9.79
Iowa	7.86	9.55	8.08	9.98	12.81	13.34	12.12	13.08
Kansas	[R]7.60	8.79	9.02	10.51	10.84	12.14	[R]10.70	[R]9.86
Kentucky	7.45	8.53	8.78	9.40	10.47	10.62	10.17	9.64
Louisiana	[R]8.76	[R]11.46	[R]10.99	[R]13.24	10.94	[R]11.65	[R]11.13	10.68
Maine	[R]9.63	10.85	10.46	11.19	12.46	—	12.32	10.98
Maryland	9.52	9.79	10.21	12.88	15.33	14.69	15.45	13.77
Massachusetts	[R]9.96	[R]11.52	11.14	10.89	12.25	12.51	[R]11.26	9.51
Michigan	5.17	4.82	5.17	5.77	6.86	7.38	7.30	6.70
Minnesota	[R]7.20	8.88	7.86	9.15	9.44	9.12	9.64	8.93
Mississippi	7.32	8.34	8.76	[R]10.14	[R]10.49	9.56	9.24	10.17
Missouri	[R]7.83	9.09	9.22	[R]11.25	12.60	[R]12.27	11.58	[R]10.67
Montana	5.93	6.25	6.13	6.28	7.13	8.95	8.11	7.19
Nebraska	6.45	7.54	7.88	9.07	9.83	10.24	9.85	8.46
Nevada	[R]6.63	6.29	6.33	7.47	[R]7.98	8.44	8.11	7.67
New Hampshire	[R]9.20	11.14	11.64	10.09	11.52	11.84	11.47	[R]8.50
New Jersey	[R]7.24	6.94	[R]6.70	[R]6.20	6.50	6.33	9.52	9.15
New Mexico	[R]6.05	6.73	5.73	5.49	6.56	7.89	[R]9.54	[R]4.70
New York	NA	NA	NA	NA	NA	NA	NA	[R]11.13
North Carolina	9.48	9.92	10.85	12.57	15.17	15.22	14.80	12.53
North Dakota	[R]6.29	7.74	7.60	7.89	8.68	10.18	10.16	7.57
Ohio	7.54	9.26	[R]9.25	9.23	10.40	10.70	9.74	8.71
Oklahoma	[R]7.07	[R]7.52	8.45	9.08	[R]10.96	10.57	[R]10.42	[R]9.89
Oregon	[R]8.06	8.82	9.08	[R]9.32	9.33	9.92	9.30	8.42
Pennsylvania	[R]8.50	9.21	9.26	[R]10.22	10.68	11.93	[R]11.44	[R]10.12
Rhode Island	10.24	13.35	13.38	12.01	12.15	12.16	11.97	10.64
South Carolina	9.60	10.57	11.51	10.86	12.04	12.39	11.07	10.44
South Dakota	7.33	8.62	7.72	9.11	11.03	11.19	10.87	10.19
Tennessee	[R]7.68	8.67	9.29	9.61	10.68	11.22	10.12	[R]9.04
Texas	[R]7.38	8.41	8.52	10.58	11.28	[R]11.15	[R]10.50	9.97
Utah	6.22	6.30	6.15	6.01	5.76	6.77	6.99	6.99
Vermont	8.13	9.34	8.88	8.49	9.93	10.09	9.89	8.89
Virginia	[R]9.90	[R]11.27	11.09	[R]14.16	15.81	15.77	[R]15.74	[R]13.66
Washington	NA	[R]7.97	NA	[R]8.71	9.30	8.92	7.85	7.12
West Virginia	[R]7.50	7.16	7.65	8.25	10.16	10.86	10.85	9.60
Wisconsin	7.58	9.44	8.52	8.73	8.55	8.81	9.21	9.56
Wyoming	6.01	7.74	6.59	6.62	6.65	[R]7.58	7.50	6.17
Total	**[R]7.72**	**[R]8.61**	**8.60**	**[R]9.41**	**[R]9.94**	**[R]10.22**	**[R]10.17**	**[R]9.26**

See footnotes at end of table.

Table 21

Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000					1999		
	May	April	March	February	January	Total	December	November
Alabama	9.53	9.08	9.21	7.21	7.41	8.34	8.19	9.13
Alaska	3.66	3.45	3.53	3.36	3.34	3.64	3.45	3.58
Arizona	11.19	9.23	8.43	R9.08	7.88	9.13	8.71	10.26
Arkansas	R14.80	R7.18	R5.14	R7.16	R6.58	7.22	6.97	14.99
California	7.75	7.17	7.05	6.99	6.30	6.62	6.52	7.13
Colorado	R5.90	5.33	R5.10	5.08	4.96	5.38	5.28	5.80
Connecticut	11.02	11.04	10.54	10.51	10.49	10.54	11.23	11.08
Delaware	7.19	8.25	7.96	7.76	7.40	8.63	8.03	9.00
District of Columbia	9.87	9.28	8.99	8.69	8.54	8.70	8.93	10.15
Florida	14.18	13.27	11.95	R10.62	R10.79	11.59	10.69	12.45
Georgia	7.13	6.31	8.44	7.36	6.74	4.37	9.20	9.71
Hawaii	22.11	20.93	20.37	20.31	19.99	18.97	20.18	19.50
Idaho	6.00	5.74	5.61	5.56	5.45	5.42	5.56	5.81
Illinois	8.60	6.23	5.71	5.32	5.12	5.50	5.36	6.27
Indiana	8.43	6.62	6.38	6.16	5.41	6.03	5.40	6.10
Iowa	12.10	6.91	6.26	5.73	5.27	6.10	6.09	6.50
Kansas	R8.09	R6.85	R6.41	R6.04	R5.99	5.98	6.08	6.90
Kentucky	8.52	6.75	6.21	6.04	5.56	5.72	5.92	5.86
Louisiana	8.46	6.81	6.99	6.13	R5.97	6.83	7.34	8.35
Maine	R10.45	8.96	9.30	R8.10	7.87	7.47	6.63	6.81
Maryland	11.46	8.96	8.71	7.67	7.38	8.41	8.18	9.01
Massachusetts	R9.35	9.79	9.41	8.86	8.91	9.25	8.32	8.92
Michigan	5.63	5.11	4.94	4.79	4.77	5.13	4.86	5.14
Minnesota	7.04	6.11	5.86	R5.75	R5.66	5.56	5.34	6.38
Mississippi	5.87	R7.79	6.86	5.66	R5.82	5.99	6.00	7.19
Missouri	8.35	6.92	6.34	6.07	6.16	6.36	6.46	6.92
Montana	6.42	5.27	5.43	5.28	5.25	5.16	5.03	5.33
Nebraska	6.95	5.72	5.38	5.06	4.76	5.06	5.22	6.01
Nevada	7.18	6.79	6.25	6.25	6.07	7.14	6.19	7.22
New Hampshire	R7.56	7.18	R8.81	8.32	R8.32	7.67	8.65	9.28
New Jersey	7.60	7.58	7.58	7.16	7.29	7.46	7.38	7.21
New Mexico	9.11	4.99	6.04	5.26	5.72	5.03	4.16	3.83
New York	R9.63	R8.84	R8.65	R8.08	R8.26	9.12	9.01	9.66
North Carolina	10.95	8.47	9.07	7.58	8.27	8.33	8.95	8.95
North Dakota	6.66	5.36	5.04	4.73	R4.75	5.32	5.35	5.92
Ohio	7.30	6.43	6.30	6.09	6.18	6.24	6.39	6.60
Oklahoma	7.64	R6.32	6.23	5.57	5.80	5.97	6.35	8.66
Oregon	7.91	7.18	7.48	7.42	7.33	7.13	7.06	7.12
Pennsylvania	R8.62	R8.08	7.79	R7.46	7.31	8.30	7.72	8.20
Rhode Island	9.28	9.46	8.73	8.59	8.87	9.53	9.54	10.00
South Carolina	9.05	8.86	9.53	8.40	8.76	8.46	8.61	8.70
South Dakota	9.27	6.24	5.97	5.87	5.36	5.83	6.10	6.27
Tennessee	7.90	R8.60	R7.15	R6.08	R6.18	6.53	6.91	7.89
Texas	6.99	6.91	6.20	5.49	5.27	6.09	5.60	7.30
Utah	6.82	6.36	5.91	6.16	6.16	5.37	5.49	5.90
Vermont	8.11	7.71	7.45	7.33	7.42	7.18	7.71	7.57
Virginia	R10.47	R9.15	R8.42	7.78	7.65	8.61	7.99	8.73
Washington	6.77	6.54	6.46	6.43	6.39	5.88	5.82	5.89
West Virginia	7.80	7.50	R7.22	7.02	R7.03	7.42	7.09	7.42
Wisconsin	6.59	7.10	6.49	6.19	5.99	6.17	6.07	6.96
Wyoming	5.45	5.38	5.05	4.94	5.00	5.11	4.96	5.29
Total	**R8.05**	**R7.11**	**R6.85**	**R6.55**	**R6.32**	**6.69**	**6.51**	**7.15**

R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

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

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				May	April	March	February	January
Alabama	10.43	6.87	6.42	11.22	10.68	10.90	11.06	9.46
Alaska	2.62	2.08	2.33	2.36	2.45	2.69	2.75	2.73
Arizona	7.81	6.69	6.12	8.11	7.53	7.57	8.40	7.47
Arkansas	NA	5.87	5.05	NA	NA	NA	NA	NA
California	12.34	6.35	5.98	10.40	R11.17	13.70	13.76	11.91
Colorado	7.88	4.58	4.42	9.00	8.75	8.21	R7.94	R6.78
Connecticut	8.85	6.75	6.74	6.09	7.78	8.41	9.78	10.05
Delaware	9.23	6.28	6.72	10.81	10.10	7.96	11.18	7.78
District of Columbia	13.33	8.19	7.11	12.32	12.82	12.55	13.98	14.07
Florida	12.30	7.12	6.34	12.19	12.78	14.08	R12.98	10.02
Georgia	NA	5.26	2.98	7.74	NA	9.77	10.20	10.90
Hawaii	17.68	16.50	13.36	17.22	16.78	17.31	18.15	18.91
Idaho	NA	4.94	4.60	8.21	8.17	7.81	NA	6.55
Illinois	10.23	5.36	4.59	8.86	8.61	9.10	10.85	11.23
Indiana	NA	5.49	5.02	NA	NA	NA	NA	NA
Iowa	8.45	5.23	4.32	8.47	7.68	7.57	8.69	9.11
Kansas	9.73	5.88	4.92	10.13	8.66	8.83	9.88	10.56
Kentucky	9.47	5.60	4.76	10.23	9.58	9.70	10.26	8.68
Louisiana	NA	6.08	5.29	7.32	7.58	NA	10.41	R12.12
Maine	NA	7.14	6.76	NA	NA	NA	NA	NA
Maryland	11.05	7.02	6.64	10.97	10.94	9.92	12.29	10.99
Massachusetts	14.06	8.17	7.77	14.77	R14.36	15.93	14.09	R12.09
Michigan	4.98	4.71	4.77	6.60	5.08	4.85	4.80	4.83
Minnesota	9.25	4.90	4.24	7.43	7.74	7.77	9.43	11.44
Mississippi	9.46	5.38	4.72	8.19	8.80	R7.92	R8.32	R11.65
Missouri	10.06	5.84	5.43	10.20	10.46	10.77	10.62	9.05
Montana	6.56	5.31	4.86	7.87	7.52	9.50	5.01	R6.82
Nebraska	8.37	4.50	4.03	6.92	7.16	7.79	9.86	8.41
Nevada	8.27	5.44	5.98	7.81	7.79	7.62	R7.65	9.88
New Hampshire	NA	7.65	6.63	NA	NA	NA	NA	NA
New Jersey	8.52	4.50	3.79	7.05	7.05	7.18	9.69	9.68
New Mexico	7.97	4.36	3.83	7.70	9.45	8.87	7.85	6.93
New York	8.97	NA	5.59	5.22	R8.45	R9.04	R11.07	9.63
North Carolina	10.88	6.72	5.98	9.88	10.30	11.48	11.71	10.43
North Dakota	8.61	4.51	4.18	7.49	7.38	7.35	8.59	10.12
Ohio	10.00	5.94	5.37	11.12	10.58	R10.44	10.73	8.84
Oklahoma	8.96	5.75	4.80	8.79	8.67	8.61	9.11	9.19
Oregon	7.60	6.06	5.47	7.51	7.70	7.69	7.59	7.52
Pennsylvania	NA	7.15	7.26	12.16	11.97	NA	NA	NA
Rhode Island	10.43	7.50	7.85	10.82	10.44	10.36	10.42	10.35
South Carolina	11.29	7.23	6.59	9.65	10.11	10.64	12.03	12.35
South Dakota	8.81	4.80	4.11	7.20	7.66	7.20	9.25	10.81
Tennessee	10.36	5.72	5.41	11.21	9.33	8.88	12.47	9.89
Texas	9.34	4.71	4.33	9.62	7.29	R8.36	R9.55	R10.67
Utah	7.10	4.64	3.93	6.87	6.54	7.28	7.23	7.19
Vermont	7.72	6.18	5.47	7.73	7.76	7.69	7.70	7.72
Virginia	NA	6.22	5.79	9.47	NA	9.34	10.99	10.85
Washington	NA	5.54	4.79	NA	NA	NA	NA	NA
West Virginia	NA	6.33	6.31	6.58	6.38	NA	6.52	2.97
Wisconsin	NA	5.33	4.73	NA	8.31	7.87	R8.30	11.11
Wyoming	8.81	4.36	4.33	11.04	10.81	10.00	8.00	6.96
Total	**9.18**	**5.54**	**5.19**	**8.52**	**R8.78**	**R8.97**	**R9.65**	**R9.32**

See footnotes at end of table.

Table 22

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	Total	December	November	October	September	August	July	June
Alabama	R7.77	8.99	9.50	8.95	8.72	8.62	8.72	8.23
Alaska	2.06	2.31	2.11	1.97	1.92	1.86	1.76	2.02
Arizona	R6.92	7.24	8.12	7.07	6.96	6.78	7.18	6.58
Arkansas	R7.33	R9.10	R7.74	R11.69	R8.00	R7.72	R8.62	R7.28
California	R7.37	R10.15	8.74	8.41	7.86	R7.11	7.49	R6.52
Colorado	R5.20	6.15	6.42	5.85	6.05	6.05	5.50	5.01
Connecticut	6.56	8.31	7.08	5.91	4.48	3.94	4.99	6.16
Delaware	6.94	8.10	7.37	7.86	18.62	7.51	7.28	6.89
District of Columbia	8.81	11.63	11.64	10.60	10.00	8.25	7.19	7.25
Florida	7.80	9.25	8.44	8.25	8.42	8.39	8.12	7.79
Georgia	5.99	7.35	7.41	7.32	6.52	6.52	6.29	6.22
Hawaii	17.29	18.30	18.11	18.15	17.96	17.48	17.41	17.66
Idaho	5.57	6.43	6.71	6.69	6.46	6.34	5.74	5.10
Illinois	6.94	8.68	8.47	9.54	9.10	9.34	9.98	10.39
Indiana	R6.09	6.91	6.24	R7.20	R6.49	7.38	7.12	R6.67
Iowa	6.61	8.83	7.18	7.67	8.70	8.27	7.75	8.95
Kansas	6.93	8.67	8.75	8.87	7.66	8.34	8.12	7.52
Kentucky	R6.79	8.44	R7.95	8.56	7.94	8.49	7.09	6.89
Louisiana	R8.25	R12.20	R11.75	R11.27	R8.93	7.91	R8.18	R8.99
Maine	R5.93	1.76	3.10	5.00	9.58	—	9.06	8.08
Maryland	7.92	8.41	8.64	10.70	10.42	9.86	9.07	8.64
Massachusetts	R8.48	10.36	9.48	8.89	R6.59	8.69	7.89	6.73
Michigan	4.85	4.74	4.91	5.29	5.62	5.89	6.01	5.53
Minnesota	6.03	8.17	6.86	7.30	6.67	5.91	6.66	6.33
Mississippi	R6.41	R7.96	7.01	R7.65	R6.80	R6.45	R6.65	8.85
Missouri	6.90	8.97	8.38	8.32	8.27	7.98	7.20	R6.86
Montana	R5.86	R6.32	6.27	6.30	6.79	7.88	7.14	R7.02
Nebraska	5.49	7.41	6.59	7.44	6.16	5.70	5.95	5.57
Nevada	5.53	5.49	5.49	5.71	5.82	5.86	5.80	5.66
New Hampshire	R8.44	10.78	10.37	8.75	9.08	8.87	9.16	R7.53
New Jersey	4.79	7.63	5.98	5.95	R6.23	1.57	2.53	5.27
New Mexico	R4.74	6.04	R5.15	4.14	4.55	5.45	4.91	3.53
New York	NA	7.25	R5.25	R3.77	R3.02	R2.62	R2.57	R2.89
North Carolina	7.50	8.62	9.25	8.70	7.81	8.71	7.70	7.01
North Dakota	R5.73	7.58	6.91	7.23	6.69	7.40	7.36	5.63
Ohio	6.98	8.80	8.71	8.37	8.64	8.95	8.03	7.33
Oklahoma	R6.45	7.28	R7.79	R7.87	R7.35	7.04	R7.20	6.71
Oregon	R6.48	7.53	7.55	R6.97	6.33	6.39	6.48	6.16
Pennsylvania	R7.70	8.56	8.25	R8.75	R7.55	8.93	8.43	R7.91
Rhode Island	8.33	10.04	9.70	10.43	10.21	9.39	9.33	8.70
South Carolina	7.92	9.87	9.50	8.40	8.05	7.95	7.18	7.05
South Dakota	6.05	7.96	R6.96	7.22	7.76	7.69	7.00	7.18
Tennessee	6.69	8.43	8.50	R7.97	7.15	7.64	7.73	R6.12
Texas	R5.74	R7.37	R7.16	R7.40	R6.23	R5.96	R6.05	5.92
Utah	4.90	5.44	5.42	5.12	4.61	4.71	4.40	4.40
Vermont	6.49	7.72	7.20	6.28	6.45	6.35	6.44	6.38
Virginia	R7.51	R9.78	9.01	R8.70	8.65	7.96	8.49	7.50
Washington	6.05	R7.11	R7.13	R7.13	7.09	6.20	5.60	R5.39
West Virginia	R6.57	6.55	6.75	6.87	7.44	7.46	7.24	7.55
Wisconsin	R6.37	8.36	7.32	7.08	6.64	6.24	6.65	6.47
Wyoming	5.20	7.39	6.09	5.77	5.19	5.57	5.27	4.92
Total	**R6.18**	**R7.90**	**R7.24**	**R6.92**	**R6.18**	**R5.41**	**R5.88**	**R5.82**

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000					1999		
	May	April	March	February	January	Total	December	November
Alabama	7.12	7.09	7.39	R6.50	R6.79	6.68	6.95	7.04
Alaska	1.91	1.96	2.13	2.12	2.16	2.18	2.17	2.16
Arizona	6.60	6.31	6.23	R7.97	6.14	6.17	6.20	6.33
Arkansas	R10.52	R7.09	R4.42	R6.17	R5.51	5.38	5.31	7.39
California	6.55	R6.13	R6.51	R6.56	6.05	6.14	6.77	6.75
Colorado	4.78	4.60	R4.52	R4.59	R4.55	4.55	4.78	4.70
Connecticut	5.26	7.01	6.27	6.82	7.97	6.53	7.81	6.86
Delaware	6.85	6.58	6.40	6.46	5.69	7.00	6.92	7.19
District of Columbia	7.77	8.15	8.34	8.55	7.89	7.38	8.07	8.78
Florida	7.49	7.24	7.12	6.98	6.87	6.50	6.74	6.89
Georgia	5.49	5.22	5.18	5.15	5.37	3.87	6.95	7.09
Hawaii	17.59	16.71	16.09	16.12	16.02	14.33	15.80	15.90
Idaho	5.12	5.13	4.88	4.90	4.86	4.77	4.92	5.21
Illinois	7.63	5.92	5.41	5.08	4.95	5.20	5.34	6.12
Indiana	6.62	5.57	5.57	5.56	R5.09	5.17	4.90	4.96
Iowa	9.59	5.48	5.17	4.91	4.57	4.79	5.23	5.28
Kansas	6.69	6.06	5.98	5.67	5.74	5.04	5.53	5.79
Kentucky	6.47	5.78	5.61	5.52	5.43	5.14	5.76	5.59
Louisiana	R7.19	R5.84	6.15	R5.90	R5.78	5.73	6.28	6.82
Maine	7.44	7.30	7.72	R7.10	6.65	6.65	6.25	5.48
Maryland	7.20	8.09	7.27	7.07	6.36	6.94	6.62	7.52
Massachusetts	7.77	8.22	R8.85	R7.84	R8.21	7.63	7.85	7.62
Michigan	5.00	4.80	4.69	4.65	4.66	4.87	4.61	4.96
Minnesota	5.21	5.00	4.94	5.00	R4.66	4.44	4.46	5.20
Mississippi	5.58	5.84	5.58	5.19	5.13	4.88	5.13	5.61
Missouri	6.24	6.09	5.54	5.79	5.90	5.47	5.89	5.63
Montana	6.26	5.65	R5.43	5.23	4.88	5.13	5.09	5.40
Nebraska	4.73	4.64	4.65	4.56	4.19	4.14	4.37	4.66
Nevada	5.65	5.50	5.39	5.44	R5.36	6.02	5.42	6.03
New Hampshire	7.09	6.67	R8.29	R8.05	7.44	6.86	7.78	8.10
New Jersey	2.06	5.21	4.53	4.59	4.93	3.99	4.88	4.35
New Mexico	R4.65	7.27	4.06	4.00	4.22	3.78	3.60	3.10
New York	R3.53	NA	R3.57	R5.75	R6.45	5.15	5.90	5.34
North Carolina	6.60	6.17	7.35	6.51	6.80	6.22	7.23	6.73
North Dakota	5.29	4.64	4.51	4.31	R4.41	4.51	4.76	5.21
Ohio	6.61	5.86	5.86	5.84	5.96	5.58	5.92	5.94
Oklahoma	R6.25	R5.47	5.97	R5.55	R5.79	5.09	6.06	6.36
Oregon	6.07	6.06	6.06	6.06	6.04	5.66	5.76	5.49
Pennsylvania	7.87	7.50	7.31	7.11	6.77	7.29	6.98	6.93
Rhode Island	8.14	7.97	7.70	7.39	6.94	8.03	7.87	8.03
South Carolina	6.61	7.02	7.57	7.26	7.36	6.54	7.06	7.18
South Dakota	6.97	4.77	4.64	4.68	4.36	4.52	5.10	4.87
Tennessee	6.06	6.38	6.52	6.05	4.78	5.73	6.61	7.02
Texas	4.67	R5.03	R4.55	R4.77	R4.58	4.42	4.24	4.90
Utah	4.37	4.24	4.63	4.70	4.82	4.13	4.54	4.72
Vermont	6.20	6.17	6.17	6.18	6.20	5.69	6.37	6.14
Virginia	6.38	R6.29	6.18	6.25	6.14	5.99	6.17	6.37
Washington	5.36	5.33	5.44	5.44	5.93	4.89	4.85	5.10
West Virginia	6.76	6.50	R6.50	R6.21	6.14	6.23	4.79	6.47
Wisconsin	4.96	R6.03	R5.47	R5.21	R5.13	4.84	5.10	5.72
Wyoming	4.70	4.80	3.76	4.51	4.41	4.38	4.44	4.34
Total	**R5.50**	**R5.61**	**R5.33**	**R5.68**	**R5.55**	**5.33**	**5.56**	**5.72**

R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

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

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				
				May	April	March	February	January
Alabama	7.97	3.51	3.33	6.67	7.16	6.75	8.73	9.81
Alaska	1.54	1.43	1.19	1.52	1.51	1.55	1.55	1.56
Arizona	6.46	3.66	3.36	5.78	5.93	5.97	6.74	8.07
Arkansas	NA	NA	3.22	4.39	4.20	4.44	NA	5.30
California	10.44	4.32	3.20	8.86	R11.74	11.68	11.11	8.95
Colorado	4.45	2.88	2.79	4.07	4.02	3.98	R4.91	5.15
Connecticut	8.87	5.28	4.17	7.02	8.05	8.18	11.55	9.87
Delaware	7.42	4.29	3.89	8.22	7.38	11.56	4.62	7.39
District of Columbia	—	—	—	—	—	—	—	—
Florida	8.11	4.34	3.46	8.02	8.40	8.16	7.85	8.13
Georgia	NA	3.96	2.86	6.06	NA	7.80	9.75	10.30
Hawaii	11.37	9.00	8.22	11.23	11.08	11.04	11.84	11.65
Idaho	5.86	3.49	3.20	6.59	6.89	6.35	5.56	4.87
Illinois	7.22	4.29	3.61	2.71	5.17	7.02	9.57	10.59
Indiana	9.30	4.51	4.21	9.74	9.41	12.41	8.09	8.85
Iowa	8.46	4.33	3.39	6.30	7.87	9.41	8.36	9.46
Kansas	7.67	3.62	3.12	6.04	7.03	7.49	10.27	8.66
Kentucky	7.74	3.81	3.15	6.26	7.08	7.76	8.16	R8.35
Louisiana	6.95	2.88	2.14	5.36	5.83	5.88	6.54	10.13
Maine	NA	5.45	5.40	NA	NA	NA	NA	NA
Maryland	15.51	6.55	5.46	10.66	11.71	13.58	21.16	17.19
Massachusetts	10.78	6.42	5.17	12.09	R12.35	13.21	9.11	R9.01
Michigan	4.42	3.98	3.73	5.62	4.30	4.36	4.30	4.25
Minnesota	8.16	3.36	2.75	5.57	6.24	10.09	6.78	11.91
Mississippi	7.31	3.55	3.00	6.05	6.08	6.44	6.95	10.17
Missouri	8.88	4.91	4.26	8.57	9.09	9.76	10.22	7.63
Montana	5.20	3.75	3.27	5.08	4.91	5.01	6.10	4.75
Nebraska	7.26	3.66	3.18	5.36	6.77	7.16	8.59	7.53
Nevada	8.28	4.49	4.63	7.39	6.86	7.32	R7.27	10.36
New Hampshire	NA	5.41	4.49	NA	NA	NA	NA	NA
New Jersey	7.96	3.76	3.56	6.55	5.96	6.55	9.50	9.96
New Mexico	6.95	2.93	2.33	6.52	8.04	6.95	7.37	3.72
New York	9.60	4.91	3.71	6.79	R7.98	R8.66	R10.27	R14.24
North Carolina	8.21	4.44	3.51	5.87	6.80	6.40	12.01	9.84
North Dakota	6.95	3.28	2.54	5.47	5.83	5.81	7.08	9.82
Ohio	9.57	5.17	3.78	10.05	10.19	R10.29	11.06	7.83
Oklahoma	8.20	3.88	3.48	7.97	7.90	7.89	7.90	8.85
Oregon	NA	4.74	3.95	NA	NA	NA	5.93	6.21
Pennsylvania	NA	4.89	4.13	7.69	8.16	NA	R7.43	R8.99
Rhode Island	7.77	4.50	4.54	7.11	7.24	7.40	7.99	9.03
South Carolina	7.50	4.05	3.05	6.30	6.61	6.64	7.97	10.41
South Dakota	7.15	3.48	3.09	5.89	5.66	6.42	8.75	7.91
Tennessee	8.14	4.37	3.64	6.81	R7.04	R7.40	10.26	8.58
Texas	6.29	2.89	2.17	4.79	5.37	5.34	R6.31	R9.14
Utah	5.91	3.27	2.96	5.14	5.52	5.88	6.18	6.58
Vermont	5.85	4.11	2.77	4.93	4.71	5.44	6.38	8.41
Virginia	8.16	4.53	3.90	5.61	6.14	6.51	9.60	10.11
Washington	NA	3.40	2.54	NA	NA	NA	NA	NA
West Virginia	NA	5.08	2.76	NA	6.36	NA	9.47	8.68
Wisconsin	NA	4.34	3.97	NA	7.75	7.04	R7.61	11.36
Wyoming	7.21	3.33	3.30	7.92	7.65	7.39	6.77	6.77
Total	**6.93**	**3.62**	**3.01**	**5.44**	**R6.09**	**R6.51**	**R7.24**	**R8.66**

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	Total	December	November	October	September	August	July	June
Alabama	4.46	6.47	5.02	5.56	5.06	4.50	4.79	4.75
Alaska	1.57	2.34	1.61	1.56	1.59	1.60	1.55	1.51
Arizona	4.42	6.19	4.15	5.32	5.22	4.30	4.70	4.50
Arkansas	NA	R3.22	4.35	R2.95	4.13	R4.10	R4.02	NA
California	5.59	9.44	6.26	7.14	6.84	5.55	5.75	5.09
Colorado	R3.35	3.93	3.90	3.76	3.44	3.45	R3.71	R3.54
Connecticut	5.81	7.79	7.17	6.78	5.16	5.45	5.43	4.86
Delaware	5.02	6.60	5.37	4.74	7.00	5.79	7.18	5.14
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.15	6.93	6.72	6.56	5.63	5.29	5.08	5.29
Georgia	4.52	5.87	5.33	5.43	4.81	4.35	4.58	4.43
Hawaii	10.17	11.93	11.80	11.16	10.77	11.21	10.21	10.20
Idaho	3.97	5.47	4.76	4.67	4.05	3.96	4.47	3.43
Illinois	5.78	8.05	7.60	7.66	6.49	6.41	6.65	5.16
Indiana	4.54	4.74	4.86	5.46	3.82	4.56	4.13	3.68
Iowa	5.36	7.66	6.04	6.28	5.99	5.29	5.21	3.55
Kansas	NA	6.58	NA	5.09	3.74	3.97	4.10	3.81
Kentucky	R4.96	7.70	6.63	6.20	5.93	5.37	4.76	4.41
Louisiana	R4.02	6.22	R4.76	5.05	4.66	R3.93	4.48	R4.27
Maine	NA	NA	1.90	2.79	2.18	2.07	2.31	5.62
Maryland	7.31	8.55	7.36	8.24	7.84	8.26	6.84	6.87
Massachusetts	R7.01	9.05	R8.24	7.76	7.36	R7.71	R6.37	R5.12
Michigan	R4.22	4.31	4.79	4.71	4.64	4.41	4.48	4.67
Minnesota	4.48	6.72	5.31	5.83	5.07	4.24	4.98	4.72
Mississippi	R4.57	6.18	5.38	R6.16	5.25	4.57	R4.96	4.71
Missouri	R5.85	8.50	7.47	6.35	4.44	6.45	5.71	R5.19
Montana	R4.29	4.78	4.85	5.14	6.12	6.37	5.69	3.75
Nebraska	4.58	6.54	5.52	4.90	5.27	4.98	5.08	4.70
Nevada	5.11	6.10	6.26	7.78	6.54	4.62	5.43	3.95
New Hampshire	R6.17	10.28	9.48	7.24	6.34	5.55	6.06	R5.61
New Jersey	R4.40	6.82	6.78	3.55	R4.96	6.53	5.44	4.39
New Mexico	R4.14	5.07	R4.80	4.55	4.98	5.11	4.73	2.74
New York	R5.00	R5.36	R5.13	5.13	4.95	R4.98	R4.81	4.97
North Carolina	R5.18	6.23	9.66	5.81	5.14	7.84	5.12	R3.99
North Dakota	R4.28	6.30	5.09	5.86	5.05	4.46	4.76	4.68
Ohio	R5.99	7.87	R7.07	7.17	6.74	6.71	6.50	5.06
Oklahoma	R4.65	R6.60	6.25	5.45	5.32	5.11	4.66	4.76
Oregon	R4.99	6.09	5.73	R5.59	4.38	5.50	4.43	4.36
Pennsylvania	R5.13	5.96	R6.17	R5.69	4.82	4.90	R4.53	R4.53
Rhode Island	5.38	7.09	6.41	6.37	7.09	5.16	5.64	5.42
South Carolina	4.88	6.99	5.61	6.12	5.61	4.80	5.14	5.15
South Dakota	4.36	6.57	5.16	5.27	4.58	3.51	4.25	4.03
Tennessee	R4.94	7.04	5.10	5.16	5.26	5.00	5.41	4.59
Texas	R4.34	6.55	R5.17	5.45	4.95	R4.23	R4.63	4.25
Utah	3.77	5.55	4.72	4.53	3.92	3.87	3.03	3.02
Vermont	4.65	5.90	5.71	4.95	5.00	4.56	4.41	4.52
Virginia	R5.14	8.08	6.17	4.72	4.66	4.89	R4.66	3.91
Washington	NA	NA	NA	R3.48	3.71	2.75	2.82	R2.92
West Virginia	R5.44	5.61	5.22	7.69	6.02	5.16	R5.54	5.38
Wisconsin	R5.56	7.94	6.66	6.55	5.89	5.07	5.68	5.43
Wyoming	3.99	4.92	4.63	5.27	3.52	6.45	3.47	3.73
Total	**R4.50**	**R6.48**	**R5.38**	**R5.31**	**4.91**	**R4.39**	**R4.60**	**R4.24**

See footnotes at end of table.

Table 23

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000					1999		
	May	April	March	February	January	Total	December	November
Alabama	3.65	3.57	3.44	3.47	3.45	3.42	3.54	3.91
Alaska	1.40	1.49	1.43	1.41	1.40	1.25	1.37	1.34
Arizona	4.00	4.10	3.53	3.54	3.38	3.42	3.44	3.63
Arkansas	NA	NA	3.56	3.58	NA	3.45	3.71	3.80
California	4.53	4.45	4.37	4.45	3.82	3.34	3.89	4.26
Colorado	3.01	3.00	2.83	R2.81	2.74	2.81	2.77	3.32
Connecticut	4.67	5.00	5.49	5.53	5.36	4.15	4.90	4.60
Delaware	4.90	5.05	R4.24	5.40	2.64	4.07	3.87	5.13
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.88	3.93	4.49	4.40	4.06	4.03	3.77	3.96
Georgia	3.90	3.89	3.68	4.00	4.31	3.41	4.35	4.27
Hawaii	10.13	9.57	8.53	8.48	8.28	8.21	8.28	8.19
Idaho	3.44	3.53	3.42	3.50	3.54	3.29	3.55	3.51
Illinois	4.92	4.33	5.05	3.78	4.06	4.06	4.58	4.76
Indiana	5.04	4.47	4.47	5.68	3.60	4.16	3.96	4.20
Iowa	6.15	4.26	R4.25	3.88	4.14	3.98	5.02	4.97
Kansas	3.32	R3.85	3.56	R4.02	R3.61	2.93	3.49	3.76
Kentucky	4.03	3.76	R3.60	R3.82	3.87	3.32	4.14	3.67
Louisiana	R3.09	R2.94	R2.71	2.92	2.77	2.54	2.66	3.54
Maine	6.56	5.42	5.80	5.16	4.60	4.93	4.98	4.71
Maryland	6.35	5.99	6.67	7.89	5.67	5.69	6.29	5.75
Massachusetts	6.00	R6.54	R6.39	R6.62	R6.26	5.23	5.85	5.54
Michigan	4.17	4.08	4.18	R3.80	R3.87	3.69	3.82	2.42
Minnesota	3.53	3.46	3.29	3.31	3.28	2.98	2.92	3.68
Mississippi	3.64	3.71	3.49	3.52	R3.43	3.24	3.25	3.86
Missouri	5.03	5.04	4.65	R5.02	4.87	4.42	4.94	4.34
Montana	4.44	R0.30	4.22	4.51	4.40	3.44	3.33	3.36
Nebraska	3.68	3.65	3.77	3.70	3.51	3.38	3.59	4.09
Nevada	4.39	3.66	4.68	5.08	4.33	4.76	4.94	4.98
New Hampshire	4.50	5.39	R4.05	7.70	7.03	4.60	8.38	5.77
New Jersey	3.96	4.02	3.33	4.00	3.55	3.14	2.22	2.39
New Mexico	3.41	2.41	2.84	2.79	3.44	2.69	0.95	2.29
New York	5.30	R4.80	R4.75	4.98	R5.14	3.89	4.10	4.13
North Carolina	3.61	4.21	4.71	5.13	5.04	3.78	3.44	4.81
North Dakota	5.33	3.21	3.07	3.02	R2.91	2.80	2.91	3.45
Ohio	5.44	4.49	4.97	5.39	5.38	3.94	4.33	4.15
Oklahoma	3.68	3.68	3.87	4.10	3.94	3.51	3.93	3.85
Oregon	8.19	4.38	4.46	4.31	4.39	4.01	4.31	4.19
Pennsylvania	4.69	4.67	4.69	R5.07	5.20	3.99	4.34	4.07
Rhode Island	4.77	4.67	5.34	5.54	2.61	4.40	5.44	5.05
South Carolina	4.10	4.01	3.94	4.16	4.03	3.39	3.60	4.17
South Dakota	3.83	3.39	3.52	3.46	3.37	3.35	3.76	3.68
Tennessee	4.25	R4.78	4.32	4.36	4.20	3.72	4.43	4.52
Texas	3.31	3.08	R2.79	2.72	2.54	2.55	2.53	2.94
Utah	3.16	2.69	3.44	3.39	3.45	2.94	3.60	2.96
Vermont	3.98	3.98	4.01	4.38	4.21	3.06	3.70	3.53
Virginia	4.15	R4.57	4.27	4.09	5.58	3.95	4.46	5.97
Washington	3.26	3.50	3.36	3.50	3.39	2.78	1.71	3.50
West Virginia	2.69	6.09	5.02	5.62	5.59	3.04	3.21	3.97
Wisconsin	4.02	R4.60	R4.33	R4.35	R4.25	4.05	3.72	4.93
Wyoming	3.51	3.35	3.27	3.29	3.28	3.30	3.32	3.29
Total	**R3.70**	**R3.67**	**R3.60**	**3.70**	**3.46**	**3.10**	**3.05**	**3.51**

R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

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

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet)

State	YTD 2001	YTD 2000	YTD 1999	2001				2000
				April	March	February	January	Total
Alabama	7.15	3.71	2.32	5.88	6.26	6.04	9.75	4.85
Alaska	2.17	1.66	1.68	2.32	2.13	2.13	2.12	1.78
Arizona	6.55	3.01	2.24	5.35	5.69	6.76	9.53	4.96
Arkansas	7.05	3.00	2.04	6.68	5.49	6.31	8.88	4.42
California	11.81	3.22	2.61	10.04	10.33	14.57	12.35	6.04
Colorado	5.75	2.78	2.44	5.06	5.26	6.13	7.11	4.17
Connecticut	—	—	2.27	—	—	—	—	—
Delaware	8.21	5.07	2.79	7.55	6.94	7.43	10.46	4.84
District of Columbia	—	—	—	—	—	—	—	—
Florida	7.53	3.36	2.72	6.35	5.59	8.91	10.87	4.58
Georgia	6.13	4.35	2.09	5.93	8.07	6.90	7.23	4.32
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	7.12	3.17	2.09	6.18	5.57	6.44	9.49	4.94
Indiana	7.41	3.53	2.94	6.05	6.80	7.98	7.71	5.62
Iowa	6.23	3.21	3.13	6.35	6.23	7.11	5.31	4.60
Kansas	6.43	2.86	2.01	5.33	5.78	6.06	9.10	4.23
Kentucky	7.98	3.79	2.99	—	7.18	8.24	10.32	5.65
Louisiana	7.01	2.96	2.13	5.82	5.65	6.88	10.07	4.54
Maine	—	—	—	—	—	—	—	—
Maryland	—	3.62	2.80	—	—	—	—	4.61
Massachusetts	7.57	3.48	2.22	7.08	7.14	7.46	13.46	4.55
Michigan	3.69	2.46	1.33	5.03	5.32	5.11	1.33	2.94
Minnesota	7.34	3.09	2.69	5.74	5.31	7.83	11.79	4.49
Mississippi	6.55	2.88	2.11	5.52	5.37	6.38	10.26	4.17
Missouri	6.24	2.96	2.30	5.82	4.89	6.09	12.36	4.40
Montana	8.48	4.02	3.03	7.25	8.32	9.73	10.88	5.52
Nebraska	7.90	3.27	2.24	6.88	5.80	9.75	23.69	4.60
Nevada	8.44	2.91	2.31	6.24	7.60	9.05	10.52	5.02
New Hampshire	—	3.27	—	—	—	—	—	3.27
New Jersey	—	3.90	2.80	—	—	—	—	4.38
New Mexico	6.08	2.68	1.94	5.45	6.07	6.06	7.87	3.91
New York	8.72	3.75	2.52	6.12	6.32	8.12	17.03	4.72
North Carolina	7.81	4.21	3.31	7.81	—	—	—	4.52
North Dakota	6.52	—	—	—	6.52	—	—	—
Ohio	9.22	3.12	2.74	9.22	9.50	9.51	7.47	4.79
Oklahoma	7.23	3.25	2.46	6.07	6.42	6.23	10.20	4.53
Oregon	4.47	2.24	1.88	4.12	4.32	4.16	5.41	3.02
Pennsylvania	7.60	3.22	2.86	—	5.53	7.29	11.04	4.01
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	7.76	5.65	2.96	6.49	6.89	7.24	10.98	5.62
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	6.42	2.82	2.09	5.48	5.38	6.09	9.01	4.23
Utah	5.53	2.98	2.35	4.32	4.78	6.30	6.92	4.05
Vermont	6.26	3.45	2.50	5.84	5.84	7.69	—	4.91
Virginia	12.33	3.55	3.05	10.08	22.19	34.18	4.00	4.63
Washington	—	—	—	—	—	—	—	—
West Virginia	9.01	3.84	3.05	6.80	8.45	10.14	8.10	4.87
Wisconsin	6.63	3.27	2.65	6.07	5.88	6.57	8.65	4.63
Wyoming	4.67	2.88	6.46	4.06	5.06	4.91	5.00	3.96
Total	**6.75**	**2.98**	**2.26**	**5.70**	**5.69**	**7.15**	**9.47**	**4.32**

See footnotes at end of table.

Table 24

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000							
	December	November	October	September	August	July	June	May
Alabama	1.18	9.80	6.70	4.84	4.94	4.37	4.68	4.75
Alaska	1.96	1.98	1.97	1.82	1.77	1.75	1.63	1.74
Arizona	8.65	6.07	5.49	4.93	4.45	4.70	4.75	3.77
Arkansas	10.81	6.37	5.31	5.24	4.43	4.69	4.72	3.79
California	19.91	7.68	6.19	6.01	4.85	4.68	4.87	4.19
Colorado	7.92	4.97	4.00	3.73	3.94	4.06	3.96	3.48
Connecticut	—	—	—	—	—	—	—	—
Delaware	11.14	8.39	7.84	6.53	5.30	6.05	5.10	4.20
District of Columbia	—	—	—	—	—	—	—	—
Florida	6.63	5.57	6.35	5.54	4.73	5.10	5.15	3.89
Georgia	10.85	7.37	5.35	5.38	4.02	4.21	4.19	3.93
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	10.60	6.57	6.50	6.30	4.38	4.74	5.11	3.64
Indiana	7.71	5.80	6.61	5.97	4.38	4.43	5.80	4.42
Iowa	7.04	5.54	5.98	5.43	4.57	4.61	5.25	3.81
Kansas	8.79	5.74	5.12	4.91	4.41	3.99	3.87	3.54
Kentucky	7.22	5.81	6.26	5.28	4.73	5.09	6.06	7.17
Louisiana	8.97	5.64	5.62	5.19	4.47	4.64	4.75	3.62
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	5.90	5.17	4.69	4.95	4.16
Massachusetts	8.93	5.56	5.94	5.58	5.07	4.74	4.97	3.97
Michigan	2.81	3.16	1.88	5.29	3.26	3.13	3.17	2.85
Minnesota	6.52	5.62	5.73	3.82	4.70	4.76	4.28	3.54
Mississippi	9.29	5.76	5.44	5.10	4.31	3.74	4.44	3.76
Missouri	5.00	6.34	5.37	5.27	4.73	4.45	4.51	3.77
Montana	7.31	13.52	7.46	4.54	5.26	5.35	4.94	3.37
Nebraska	3.62	5.99	5.51	5.62	4.43	4.78	4.33	4.07
Nevada	11.56	7.48	4.87	5.07	4.56	4.13	4.19	3.56
New Hampshire	—	—	—	—	—	—	—	3.70
New Jersey	—	—	—	5.42	—	5.19	4.77	3.79
New Mexico	7.35	5.28	4.82	4.58	4.35	4.38	4.27	3.35
New York	10.22	5.65	6.07	5.73	4.72	4.70	4.82	3.97
North Carolina	8.79	7.57	5.60	5.54	4.90	4.28	4.27	3.70
North Dakota	—	—	—	—	—	—	—	—
Ohio	6.39	5.81	5.89	6.39	5.97	5.35	3.39	5.49
Oklahoma	7.76	5.29	5.83	5.10	4.39	4.54	4.67	3.73
Oregon	4.74	3.78	2.71	2.67	2.40	2.81	3.35	2.75
Pennsylvania	6.67	6.02	5.77	—	—	3.18	5.09	3.42
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	9.82	7.02	6.55	6.34	6.26	5.42	5.36	5.03
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	7.95	5.23	5.34	4.80	4.31	4.34	4.40	3.50
Utah	6.15	5.23	4.66	3.57	3.60	3.58	3.79	3.45
Vermont	7.05	6.54	5.60	5.56	4.70	4.40	4.66	3.83
Virginia	2.12	9.11	7.65	7.53	5.31	5.06	5.48	4.09
Washington	—	—	—	—	—	—	—	—
West Virginia	5.73	6.03	6.15	4.87	5.52	5.84	4.19	3.75
Wisconsin	7.23	5.43	5.92	5.29	4.77	4.94	4.86	3.80
Wyoming	4.22	3.47	1.09	8.55	4.61	3.42	4.27	3.72
Total	**8.21**	**5.35**	**5.16**	**4.87**	**4.28**	**4.34**	**4.44**	**3.62**

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Electric Utility[a] Consumers, by State, 1999-2001

(Dollars per Thousand Cubic Feet) — Continued

State	2000				1999			
	April	March	February	January	Total	December	November	October
Alabama	3.45	1.41	2.94	4.94	2.98	3.72	3.09	3.95
Alaska	1.75	1.63	1.64	1.62	1.59	1.57	1.55	1.48
Arizona	3.40	3.01	2.94	2.64	2.67	2.62	3.04	2.96
Arkansas	3.20	2.99	2.86	2.84	2.59	2.60	2.56	2.90
California	3.54	3.38	3.23	2.83	2.76	2.74	3.00	2.98
Colorado	3.08	2.86	2.78	2.51	2.65	2.66	2.84	3.13
Connecticut	—	—	—	—	2.74	3.20	3.06	3.02
Delaware	5.87	5.86	5.87	3.61	2.98	3.81	3.70	3.34
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.68	3.36	3.33	3.03	3.10	2.95	3.56	3.22
Georgia	3.89	3.41	11.20	1.20	2.57	2.85	3.65	3.13
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.57	3.11	3.14	2.78	2.41	2.37	2.25	3.15
Indiana	4.19	3.52	3.31	3.29	2.97	3.26	4.05	4.56
Iowa	3.43	3.26	3.19	3.00	3.15	3.14	3.12	3.54
Kansas	3.15	2.92	2.69	2.56	2.36	2.57	2.87	2.81
Kentucky	5.83	4.93	3.59	3.17	3.49	2.93	4.25	3.45
Louisiana	3.22	2.97	2.96	2.71	2.59	2.49	3.09	2.87
Maine	—	—	—	—	—	—	—	—
Maryland	3.69	3.35	3.72	3.84	3.20	3.60	3.68	3.25
Massachusetts	3.67	3.40	3.42	2.98	2.72	3.39	2.88	3.10
Michigan	3.16	3.19	2.06	1.78	1.53	1.58	1.69	0.96
Minnesota	3.27	3.13	3.56	2.62	2.69	3.23	4.20	3.52
Mississippi	3.17	2.84	2.94	2.66	2.49	2.52	2.56	2.82
Missouri	3.23	2.99	2.85	2.75	2.66	2.78	3.00	3.06
Montana	3.53	3.88	3.71	4.13	2.01	1.39	1.44	2.48
Nebraska	3.53	3.31	3.24	2.87	2.80	3.05	4.18	2.89
Nevada	3.03	2.90	2.69	2.99	2.51	2.72	2.78	2.68
New Hampshire	3.47	3.19	3.18	—	2.67	—	—	—
New Jersey	3.77	3.51	4.15	4.98	3.08	3.69	3.08	3.35
New Mexico	2.99	2.66	2.58	2.47	2.31	2.39	2.40	2.58
New York	3.55	3.47	4.20	3.96	2.85	3.14	3.19	3.28
North Carolina	3.82	4.28	4.35	4.21	2.92	4.72	4.70	3.61
North Dakota	—	—	—	—	—	—	—	—
Ohio	1.25	4.03	4.60	3.46	3.15	4.20	3.11	3.11
Oklahoma	3.30	3.20	3.44	3.08	2.79	3.07	3.43	3.15
Oregon	2.50	2.27	2.20	2.22	1.96	2.20	2.26	2.00
Pennsylvania	3.25	3.07	3.35	3.24	3.03	3.08	3.15	3.09
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	4.39	4.07	7.47	8.54	3.57	4.06	3.80	3.84
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.06	2.83	2.73	2.59	2.51	2.60	2.94	2.76
Utah	3.13	2.96	2.83	2.86	2.65	2.68	3.14	3.12
Vermont	3.56	3.32	3.33	3.09	3.23	2.92	3.78	2.17
Virginia	4.00	3.21	4.01	3.23	3.16	3.69	3.96	4.29
Washington	—	—	—	—	—	—	—	—
West Virginia	4.19	4.10	3.07	4.36	3.00	—	2.95	2.88
Wisconsin	3.49	3.23	3.16	3.22	2.93	2.97	3.44	3.29
Wyoming	3.31	2.94	2.70	2.82	3.89	1.98	2.39	3.95
Total	**3.22**	**2.99**	**2.95**	**2.73**	**2.62**	**2.68**	**3.01**	**2.83**

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

— Not Applicable.

Notes: Data for 1999 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

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

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001

State	YTD 2001		YTD 2000		YTD 1999		2001 May	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	82.0	13.3	78.9	15.7	81.4	22.9	73.3	10.1
Alaska	65.9	92.1	71.5	92.7	51.9	99.9	65.6	97.2
Arizona	92.2	50.7	84.4	36.7	84.4	33.2	92.7	53.9
Arkansas	NA	NA	85.1	NA	90.8	10.0	NA	10.8
California	62.0	3.7	58.8	6.6	60.5	11.9	63.0	5.8
Colorado	99.9	8.5	99.2	12.0	97.5	9.4	100.0	0.5
Connecticut	75.8	57.4	77.3	43.7	67.7	59.2	77.5	61.3
Delaware	98.5	18.3	98.2	12.5	99.1	21.3	98.5	15.2
District of Columbia	28.1	—	41.4	—	50.7	—	23.9	—
Florida	58.1	3.0	65.5	2.8	95.6	6.0	53.4	4.2
Georgia	NA	NA	10.6	7.9	84.4	22.4	13.3	6.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.7	2.7	88.2	3.1	88.1	2.9	69.5	2.1
Illinois	43.3	12.9	43.2	8.9	46.3	10.7	33.6	6.6
Indiana	NA	8.8	79.3	7.5	81.3	7.0	NA	3.8
Iowa	85.0	6.8	80.2	6.8	85.7	7.7	69.7	6.0
Kansas	65.4	3.0	62.2	6.7	72.2	7.0	55.4	6.4
Kentucky	83.7	17.5	85.8	15.3	89.3	18.8	75.3	15.0
Louisiana	NA	7.7	96.8	9.3	94.1	8.1	95.7	4.3
Maine	NA	NA	100.0	56.1	100.0	82.0	NA	NA
Maryland	42.4	4.2	NA	5.4	36.4	6.6	30.4	4.1
Massachusetts	57.7	20.8	63.7	15.7	57.3	17.1	44.4	20.7
Michigan	66.8	11.9	60.9	8.7	61.4	11.9	57.8	8.3
Minnesota	98.6	41.3	95.8	40.4	97.1	37.6	97.6	35.3
Mississippi	93.6	25.9	95.9	35.5	96.8	27.2	92.5	24.3
Missouri	85.1	17.1	82.3	17.4	83.3	23.8	71.6	10.4
Montana	77.8	3.3	74.4	2.2	80.7	1.9	68.7	2.3
Nebraska	64.1	23.0	60.5	18.2	64.3	18.4	51.4	17.6
Nevada	68.2	5.2	59.3	6.8	66.3	9.6	58.0	12.0
New Hampshire	NA	NA	92.4	37.8	94.7	23.5	NA	NA
New Jersey	44.8	23.4	42.5	43.8	55.7	48.1	39.9	21.1
New Mexico	63.5	29.4	57.1	16.6	63.2	11.1	60.6	5.5
New York	65.3	5.8	NA	17.7	61.3	2.6	56.2	20.9
North Carolina	97.4	36.1	97.2	47.3	95.4	44.7	93.5	28.6
North Dakota	90.8	11.2	89.4	20.5	89.4	14.6	85.8	5.9
Ohio	44.4	4.5	43.1	3.1	50.0	5.6	28.1	1.9
Oklahoma	75.2	4.3	77.5	6.4	78.2	4.7	52.4	1.8
Oregon	99.8	NA	99.4	13.0	98.9	15.6	99.2	NA
Pennsylvania	NA	NA	59.2	10.5	59.6	12.3	56.6	5.9
Rhode Island	63.6	3.6	58.5	9.9	58.6	4.3	60.2	100.0
South Carolina	97.9	83.0	98.6	83.9	97.4	86.4	96.5	76.5
South Dakota	86.1	27.1	81.8	43.4	84.3	46.7	83.9	14.1
Tennessee	94.1	21.7	92.8	24.9	90.4	34.8	89.0	18.1
Texas	46.9	22.9	81.6	20.3	78.9	17.7	27.3	21.3
Utah	86.5	10.4	85.0	9.3	84.1	9.3	80.0	94.8
Vermont	100.0	81.2	100.0	82.7	100.0	79.3	100.0	75.6
Virginia	NA	12.1	67.1	12.9	68.7	14.6	57.0	8.8
Washington	NA	NA	93.7	23.6	90.0	26.8	NA	NA
West Virginia	NA	NA	55.8	1.9	58.3	11.6	52.6	NA
Wisconsin	NA	NA	80.5	21.7	81.4	21.9	NA	NA
Wyoming	65.9	5.6	89.8	1.8	92.9	3.1	93.6	2.8
Total	**65.5**	**14.4**	**66.1**	**15.9**	**69.0**	**16.8**	**55.0**	**12.0**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2001							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.6	12.6	77.3	12.2	84.3	15.0	85.8	16.7
Alaska	65.7	99.7	67.9	99.6	64.6	99.6	65.3	99.6
Arizona	89.3	51.4	95.7	50.8	91.5	52.5	91.6	44.7
Arkansas	NA	10.7	NA	13.6	NA	NA	NA	14.6
California	R52.2	R6.7	64.6	8.5	66.8	8.5	64.1	9.5
Colorado	100.0	0.2	99.8	—	100.0	0.1	99.9	—
Connecticut	73.1	52.8	77.8	53.5	74.4	51.2	76.5	68.4
Delaware	98.7	13.4	98.5	20.4	98.7	29.7	98.4	11.1
District of Columbia	24.1	—	28.8	—	28.2	—	32.5	—
Florida	57.7	3.5	56.8	2.8	R59.2	3.7	62.1	4.7
Georgia	NA	NA	9.1	6.7	13.2	8.2	12.0	9.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.4	2.1	88.6	2.5	90.3	3.2	88.8	3.3
Illinois	40.4	8.2	42.6	10.8	43.7	13.6	46.6	13.4
Indiana	NA	6.3	NA	6.5	NA	13.3	NA	14.2
Iowa	77.2	4.7	83.2	6.3	84.9	8.8	92.6	8.0
Kansas	67.1	2.4	64.8	2.6	63.8	2.4	68.1	2.5
Kentucky	75.6	12.0	82.7	16.4	84.0	18.9	88.0	R23.7
Louisiana	97.2	8.6	NA	6.3	97.0	8.3	R96.2	8.5
Maine	NA	NA	NA	NA	NA	NA	NA	NA
Maryland	35.2	3.3	46.2	3.9	45.4	4.8	44.6	7.8
Massachusetts	R54.9	R26.1	59.4	53.1	58.9	39.7	R63.2	R39.3
Michigan	62.6	12.5	68.2	14.4	68.8	16.2	68.4	17.6
Minnesota	98.6	41.4	99.4	48.0	98.7	53.0	98.0	28.0
Mississippi	95.1	31.8	R95.7	25.3	R87.3	35.1	R96.6	30.0
Missouri	82.6	13.5	83.5	18.0	85.6	15.7	89.4	23.7
Montana	75.1	3.1	61.8	0.1	88.2	R3.8	R76.3	R3.6
Nebraska	60.8	18.7	60.7	27.5	61.8	26.8	78.2	23.1
Nevada	64.2	18.1	65.3	15.4	R73.5	R23.1	73.8	33.1
New Hampshire	NA	NA	NA	NA	NA	NA	NA	NA
New Jersey	46.6	13.5	47.9	15.0	43.6	26.3	44.1	25.5
New Mexico	48.5	47.9	66.4	33.5	68.0	29.7	67.9	25.2
New York	R65.0	R17.6	R66.5	R21.1	R69.2	R25.0	67.7	R15.1
North Carolina	96.1	30.0	96.9	28.5	98.2	31.0	98.8	38.3
North Dakota	88.9	8.3	88.9	R16.8	92.2	13.9	92.3	15.3
Ohio	40.5	2.8	R43.9	R4.7	43.3	4.4	50.7	6.1
Oklahoma	63.3	3.2	77.9	4.3	78.1	4.9	82.4	8.2
Oregon	99.4	NA	100.0	NA	100.0	17.3	100.0	27.5
Pennsylvania	60.6	6.6	NA	NA	NA	R13.6	NA	R14.4
Rhode Island	63.9	100.0	62.5	100.0	64.9	100.0	64.4	100.0
South Carolina	97.4	81.5	96.8	81.4	98.3	86.5	99.0	91.1
South Dakota	84.1	21.7	86.7	27.3	85.1	34.3	88.3	43.5
Tennessee	91.7	R18.0	92.8	R22.3	95.0	22.8	95.8	26.8
Texas	50.6	22.0	R50.4	21.3	R48.3	R22.8	R56.0	R23.6
Utah	84.6	92.2	85.7	94.0	87.6	94.2	88.4	94.9
Vermont	100.0	79.4	100.0	79.7	100.0	80.4	100.0	96.0
Virginia	NA	12.4	77.9	14.3	79.8	16.7	75.3	19.3
Washington	NA	NA	NA	NA	NA	NA	NA	NA
West Virginia	72.7	9.7	NA	NA	80.3	1.6	76.8	6.5
Wisconsin	75.5	17.3	73.8	25.1	81.1	R25.4	81.7	24.1
Wyoming	60.2	4.8	57.3	7.3	59.6	8.1	79.3	5.2
Total	**R63.1**	**R13.7**	**R66.0**	**R14.5**	**R67.0**	**R15.5**	**R68.9**	**R15.8**

See footnotes at end of table.

Table 25

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	Total		December		November		October	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	76.3	R15.9	79.1	R19.9	67.5	17.8	68.1	16.1
Alaska	73.3	93.3	74.3	99.6	72.2	99.6	73.4	99.6
Arizona	R84.1	37.5	90.1	37.9	83.3	47.0	78.0	40.3
Arkansas	R86.0	NA	R94.3	R13.9	R91.4	14.2	R78.8	R8.6
California	R56.8	5.0	R63.3	6.7	55.6	5.6	56.5	4.6
Colorado	R97.9	R12.7	97.1	0.1	95.4	0.2	95.4	0.4
Connecticut	R78.4	R47.9	78.9	49.9	75.8	55.5	79.9	57.8
Delaware	98.0	11.1	97.5	11.7	97.5	15.0	97.8	7.7
District of Columbia	34.7	—	31.9	—	26.5	—	22.9	—
Florida	62.5	2.7	62.9	3.2	57.9	2.6	58.9	3.6
Georgia	9.1	7.5	6.2	24.8	6.0	9.0	8.7	8.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	86.0	R2.6	87.7	R2.8	82.4	2.3	75.7	R2.4
Illinois	40.6	8.6	42.2	12.6	43.9	10.5	32.9	6.3
Indiana	R78.5	9.1	83.4	15.9	79.7	15.4	R73.6	9.3
Iowa	79.2	7.1	82.6	12.0	80.5	8.3	74.9	7.3
Kansas	57.1	NA	58.9	2.9	43.5	NA	47.7	7.3
Kentucky	R84.2	R15.0	82.6	17.7	R86.0	13.7	82.4	13.6
Louisiana	R96.1	R9.1	R95.0	8.7	R94.2	R8.7	R95.9	7.4
Maine	100.0	43.5	100.0	16.4	100.0	23.5	100.0	39.2
Maryland	NA	5.6	47.3	9.3	39.1	2.5	35.3	10.3
Massachusetts	R62.0	R13.2	66.8	30.2	60.3	R30.4	57.2	20.3
Michigan	58.6	R7.7	67.5	14.8	59.7	9.8	50.2	7.7
Minnesota	R96.9	39.0	98.3	44.7	97.5	43.7	98.9	42.3
Mississippi	R95.1	R38.0	R95.8	48.8	94.3	47.5	R94.1	R49.5
Missouri	79.0	R15.9	83.6	24.0	72.1	13.1	61.0	8.4
Montana	R74.4	R1.9	R81.5	0.2	77.0	R2.0	R73.1	R1.5
Nebraska	59.9	14.6	53.2	19.2	69.6	18.3	64.8	16.5
Nevada	R55.5	4.4	75.4	29.6	54.7	20.0	48.3	14.2
New Hampshire	R86.7	R34.8	80.6	31.7	83.6	23.7	77.4	27.7
New Jersey	45.2	R32.9	44.5	22.0	50.8	19.8	42.3	15.3
New Mexico	R58.9	R22.4	69.8	17.3	R71.8	R22.6	73.9	30.6
New York	NA	R18.3	R67.2	R51.7	R65.1	R53.5	R66.4	R51.0
North Carolina	R96.4	R49.5	96.7	36.4	89.5	24.3	99.5	61.7
North Dakota	R89.4	R15.9	92.9	25.1	91.8	19.5	88.0	11.7
Ohio	41.0	2.7	45.4	3.5	38.3	R3.2	35.1	1.1
Oklahoma	R73.6	R5.2	81.9	R7.3	R75.3	4.2	R60.2	3.3
Oregon	R99.3	R12.8	99.5	27.0	99.0	19.3	R100.0	R16.9
Pennsylvania	R59.8	R10.5	65.1	13.5	61.7	R10.5	R54.1	R9.0
Rhode Island	53.9	9.4	55.7	100.0	46.5	100.0	40.6	100.0
South Carolina	98.4	83.5	98.3	81.2	95.1	78.5	100.0	84.5
South Dakota	82.2	28.8	89.0	42.9	R82.3	24.5	79.7	26.6
Tennessee	90.8	R24.7	93.5	21.9	90.8	25.3	R86.4	28.7
Texas	R79.8	R22.7	R81.0	30.1	R76.0	R31.9	R75.7	18.3
Utah	84.3	10.3	87.4	94.2	85.7	98.7	80.3	94.0
Vermont	100.0	83.8	100.0	93.0	100.0	83.9	100.0	82.3
Virginia	R66.8	R13.2	R74.3	10.3	69.7	26.1	R67.8	17.1
Washington	R90.2	NA	R93.8	NA	R70.6	NA	R91.4	R31.9
West Virginia	R53.7	2.1	73.5	4.3	56.3	4.0	47.6	1.7
Wisconsin	R78.7	R21.8	82.9	31.9	79.1	24.3	72.4	18.5
Wyoming	89.7	2.8	96.6	2.8	83.6	2.5	86.5	3.1
Total	**R65.3**	**R15.7**	**R68.4**	**18.4**	**R64.9**	**R17.9**	**R62.4**	**R14.0**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	September		August		July		June	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	70.5	15.2	74.1	15.1	73.6	14.4	71.6	14.2
Alaska	75.1	99.7	76.9	99.9	77.3	99.9	81.7	99.9
Arizona	81.1	34.0	84.5	34.7	81.9	33.3	82.5	38.6
Arkansas	[R]72.5	10.6	[R]81.7	[R]6.1	[R]76.8	[R]6.5	[R]79.1	NA
California	49.2	4.2	[R]47.2	4.1	51.7	4.5	[R]59.0	5.1
Colorado	95.9	1.8	96.6	3.2	96.7	[R]4.6	97.2	[R]2.8
Connecticut	82.7	36.9	81.1	64.3	83.1	50.3	80.7	45.4
Delaware	94.9	12.0	98.4	9.1	98.7	3.2	98.3	9.6
District of Columbia	19.9	—	21.7	—	28.6	—	28.0	—
Florida	58.0	3.5	59.7	3.3	60.3	3.2	61.7	4.3
Georgia	10.1	7.0	9.8	7.0	9.8	6.5	11.6	6.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	80.2	1.9	81.7	2.5	83.5	2.2	85.0	1.9
Illinois	32.9	6.1	28.9	4.8	26.2	5.6	25.9	4.9
Indiana	[R]70.9	9.3	67.6	8.0	68.4	7.9	[R]65.8	8.2
Iowa	69.1	5.9	75.4	4.6	69.0	3.7	66.2	7.1
Kansas	51.0	[R]16.6	43.4	22.7	44.1	21.3	46.4	14.8
Kentucky	80.2	12.7	79.2	15.1	79.8	13.7	76.3	15.6
Louisiana	[R]95.9	8.2	95.9	[R]7.6	[R]95.6	10.2	[R]96.5	[R]9.7
Maine	100.0	47.4	—	44.0	100.0	51.7	100.0	60.5
Maryland	27.8	8.9	30.6	3.6	27.1	8.7	22.9	4.4
Massachusetts	[R]66.6	25.2	50.0	[R]21.0	49.9	[R]23.7	49.6	[R]26.8
Michigan	43.0	4.5	41.1	[R]5.0	36.6	[R]5.3	41.6	5.8
Minnesota	99.0	33.7	98.6	41.2	97.2	37.0	96.3	24.9
Mississippi	[R]93.8	44.3	[R]92.8	[R]49.9	[R]93.6	[R]47.1	92.1	46.3
Missouri	80.6	23.9	65.5	14.4	67.5	10.4	[R]67.9	[R]10.4
Montana	68.5	[R]0.8	64.9	[R]0.8	65.6	[R]0.9	[R]59.8	[R]1.1
Nebraska	62.3	6.9	64.3	15.0	67.1	6.0	47.8	11.4
Nevada	44.3	11.0	42.2	11.1	36.4	20.2	46.0	14.0
New Hampshire	73.3	32.0	69.5	33.3	73.3	37.0	[R]78.1	[R]35.5
New Jersey	[R]30.8	[R]18.2	73.7	22.5	31.3	12.3	43.7	31.3
New Mexico	41.7	30.8	54.3	28.4	49.0	20.5	44.2	21.3
New York	[R]67.8	[R]58.1	[R]68.1	[R]54.4	[R]68.5	[R]56.1	[R]65.0	17.4
North Carolina	99.8	59.0	84.5	26.4	100.0	65.3	100.0	[R]69.8
North Dakota	82.6	9.0	83.8	9.8	80.4	16.0	82.8	5.0
Ohio	31.8	1.0	30.1	0.8	29.9	1.2	26.2	1.4
Oklahoma	[R]51.1	3.3	49.3	3.7	[R]53.4	3.7	72.0	3.1
Oregon	98.7	16.3	98.8	13.1	98.9	15.7	99.1	16.7
Pennsylvania	[R]62.6	9.2	50.7	9.0	54.1	[R]9.7	[R]58.9	[R]8.4
Rhode Island	39.5	100.0	40.1	100.0	42.3	100.0	46.7	100.0
South Carolina	100.0	85.2	95.2	78.8	100.0	85.6	100.0	85.4
South Dakota	70.9	13.1	77.7	10.9	72.7	14.2	73.5	18.8
Tennessee	74.0	26.8	85.7	20.9	83.8	20.1	[R]85.7	28.3
Texas	[R]75.9	19.4	[R]76.9	[R]21.7	[R]79.1	[R]21.5	80.6	19.9
Utah	80.3	94.2	75.2	94.6	77.9	94.3	77.9	95.1
Vermont	100.0	82.9	100.0	79.6	100.0	81.0	100.0	92.4
Virginia	62.9	13.9	56.3	16.8	55.0	[R]12.5	53.3	11.1
Washington	89.0	36.2	88.0	27.3	89.3	28.6	[R]89.3	[R]27.0
West Virginia	32.9	1.5	33.7	1.4	37.8	[R]1.7	34.4	1.5
Wisconsin	64.5	16.2	66.9	15.4	66.2	15.0	68.3	15.5
Wyoming	85.0	2.8	85.6	2.5	87.1	2.6	95.2	10.8
Total	**[R]60.9**	**[R]14.3**	**[R]62.3**	**[R]14.2**	**[R]60.8**	**[R]14.9**	**[R]61.3**	**15.2**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000							
	May		April		March		February	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	75.4	13.9	73.7	R15.1	76.3	14.9	83.6	18.1
Alaska	68.1	99.8	73.7	99.9	74.8	99.8	71.1	99.8
Arizona	80.6	32.8	81.5	27.5	82.7	38.7	R90.6	40.8
Arkansas	R80.1	NA	R77.4	NA	R91.2	13.1	R90.7	13.2
California	55.3	5.5	R58.8	6.2	R60.0	6.1	R60.9	7.0
Colorado	96.9	0.8	97.1	0.4	R100.0	0.3	R99.9	0.3
Connecticut	79.4	53.2	77.1	30.6	79.4	45.9	80.8	52.9
Delaware	98.6	7.3	98.6	11.0	97.2	17.2	98.2	11.8
District of Columbia	30.0	—	34.2	—	37.4	—	49.3	—
Florida	63.5	3.7	64.4	4.1	65.8	3.2	67.6	2.5
Georgia	13.1	6.6	11.2	7.5	12.2	7.9	12.0	9.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	82.8	2.3	88.1	R2.7	87.7	3.6	89.1	3.7
Illinois	32.5	4.6	40.4	7.4	44.1	8.0	45.5	9.9
Indiana	72.0	5.7	79.6	8.0	80.0	8.4	81.7	6.7
Iowa	51.6	4.7	77.1	5.5	83.8	R6.4	84.2	R8.2
Kansas	55.1	9.7	62.8	R6.4	59.6	R7.8	66.9	R5.3
Kentucky	77.3	14.3	84.2	14.2	84.5	14.2	87.2	R17.7
Louisiana	R96.6	R8.6	R97.3	R8.5	97.1	R9.2	R97.8	7.9
Maine	100.0	57.6	100.0	55.1	100.0	57.1	100.0	55.1
Maryland	27.2	5.7	27.5	1.4	35.1	6.1	41.2	7.1
Massachusetts	54.7	28.0	56.4	R23.7	R58.9	R32.8	R68.5	R32.3
Michigan	50.8	7.2	56.0	9.3	61.0	10.1	64.5	R14.0
Minnesota	98.3	59.6	96.1	39.6	95.9	38.9	R96.8	34.2
Mississippi	93.7	45.9	95.1	43.0	96.0	43.4	96.7	46.3
Missouri	74.8	12.1	78.9	15.3	81.7	16.4	85.5	R18.7
Montana	R63.3	R1.3	R67.5	R1.8	R74.6	R2.4	R76.4	R2.5
Nebraska	53.1	17.2	55.7	15.1	58.9	17.0	66.0	19.1
Nevada	48.0	16.2	53.6	19.2	60.6	26.5	62.5	26.9
New Hampshire	87.6	43.6	85.7	38.2	R94.3	R44.8	R95.0	32.7
New Jersey	70.4	26.9	41.4	26.3	41.3	26.5	42.4	23.4
New Mexico	R49.2	17.4	29.9	19.1	61.4	14.0	62.7	13.9
New York	R66.8	16.4	NA	R45.4	R68.2	R54.1	R70.0	33.6
North Carolina	100.0	62.2	99.8	59.6	91.6	27.9	R99.2	46.5
North Dakota	82.4	12.8	R88.5	R18.6	89.4	18.3	89.2	25.7
Ohio	38.6	1.6	41.7	2.2	39.7	2.6	45.2	3.5
Oklahoma	R65.3	5.3	R73.0	6.0	73.6	6.8	R82.5	7.7
Oregon	R100.0	9.2	99.1	16.7	99.2	19.4	99.4	19.9
Pennsylvania	56.1	8.8	57.1	10.0	59.9	9.1	59.8	R11.3
Rhode Island	61.2	100.0	49.5	100.0	60.7	100.0	62.7	100.0
South Carolina	100.0	87.2	100.0	87.2	95.6	80.1	99.8	82.6
South Dakota	79.1	31.6	95.7	44.1	68.6	45.5	84.6	44.8
Tennessee	89.4	28.3	90.7	R21.7	92.8	24.5	91.9	24.7
Texas	78.7	16.5	R79.9	17.3	R80.1	R19.8	R83.6	19.2
Utah	77.0	94.4	79.4	92.0	84.2	94.9	88.6	94.5
Vermont	100.0	82.0	100.0	81.5	100.0	80.8	100.0	83.0
Virginia	53.7	16.3	R61.8	R9.2	65.1	18.8	69.1	17.1
Washington	91.1	29.9	93.0	23.1	94.6	31.5	93.9	31.4
West Virginia	46.1	1.9	49.3	1.9	R47.4	1.3	R70.2	1.8
Wisconsin	73.6	11.8	R77.6	R21.2	R80.0	R21.9	R81.7	R24.3
Wyoming	89.5	1.9	93.3	1.5	87.5	2.2	92.4	1.7
Total	**R64.0**	**R14.4**	**63.3**	**R15.9**	**R65.7**	**R16.4**	**R68.4**	**R16.7**

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 1999-2001 — Continued

State	2000		1999					
	January		Total		December		November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	79.5	17.0	70.5	21.8	69.1	21.8	58.3	20.7
Alaska	69.6	99.8	55.4	99.1	62.2	97.5	61.9	97.6
Arizona	84.5	42.0	82.5	36.2	81.3	42.2	78.7	42.9
Arkansas	R91.1	NA	89.3	10.1	91.9	10.6	85.2	11.3
California	58.0	6.4	57.4	12.9	58.1	11.4	54.5	10.0
Colorado	R100.0	0.3	97.5	7.1	98.1	2.5	98.0	3.0
Connecticut	R69.6	R44.6	62.9	55.8	62.3	50.1	58.4	51.1
Delaware	98.2	14.5	98.8	16.6	98.0	12.6	98.2	13.6
District of Columbia	48.9	—	46.0	—	50.3	—	43.5	—
Florida	65.8	3.8	94.5	5.0	92.8	5.3	92.9	4.6
Georgia	7.8	9.3	61.0	23.9	9.5	35.6	11.0	26.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	89.5	3.3	86.0	2.7	85.6	2.5	82.4	2.5
Illinois	44.8	10.7	42.8	9.1	43.1	10.0	39.5	9.3
Indiana	R78.5	9.3	78.3	5.8	79.3	7.2	76.9	6.0
Iowa	85.6	8.4	83.4	7.4	83.7	8.7	83.2	7.2
Kansas	61.3	R4.6	66.7	10.1	59.9	5.7	54.5	9.4
Kentucky	87.8	15.5	88.0	18.4	90.0	20.1	85.8	17.5
Louisiana	R95.2	8.2	93.8	8.5	91.8	8.2	93.2	10.1
Maine	100.0	56.3	100.0	78.2	100.0	80.4	100.0	73.3
Maryland	NA	8.8	33.4	6.5	37.4	6.8	30.5	8.0
Massachusetts	R72.8	R23.4	59.8	36.9	74.6	48.0	70.3	55.3
Michigan	63.7	R12.9	56.6	11.1	61.5	10.5	54.8	13.4
Minnesota	R94.4	39.7	97.2	39.8	97.4	44.9	95.5	40.2
Mississippi	96.3	R41.3	96.0	26.3	96.0	24.6	95.4	26.3
Missouri	83.3	R23.0	78.6	18.5	80.5	22.6	72.7	16.4
Montana	79.7	R2.7	79.9	1.7	85.5	2.7	82.0	2.6
Nebraska	61.9	20.0	66.6	14.2	70.0	20.4	69.6	17.6
Nevada	R66.0	30.2	60.9	22.5	65.0	28.1	55.1	22.7
New Hampshire	93.9	28.0	93.2	24.3	92.4	30.6	91.9	31.4
New Jersey	38.1	26.1	56.0	47.9	60.2	45.0	56.1	40.8
New Mexico	63.8	9.0	62.9	16.4	69.9	16.0	69.7	25.0
New York	R66.8	R43.8	57.3	14.3	56.2	25.4	56.2	24.8
North Carolina	97.2	35.9	93.8	47.8	90.2	27.7	98.8	59.0
North Dakota	R92.1	R25.9	88.3	14.9	91.2	23.1	87.5	17.3
Ohio	45.5	3.4	46.6	4.1	48.4	5.0	39.8	3.1
Oklahoma	R82.4	7.8	71.8	3.9	74.8	5.3	62.9	3.9
Oregon	99.4	18.3	98.8	13.6	99.1	11.7	99.0	11.9
Pennsylvania	60.1	10.5	56.9	11.8	59.7	12.3	52.2	11.9
Rhode Island	57.1	100.0	53.3	6.5	69.9	5.2	34.9	5.6
South Carolina	98.0	80.3	97.1	86.1	96.1	84.6	100.0	89.9
South Dakota	85.2	48.2	81.2	37.0	83.4	40.9	80.4	37.6
Tennessee	95.3	26.0	88.8	34.7	94.2	32.1	91.4	30.8
Texas	R83.7	19.1	77.3	23.7	82.2	38.7	72.5	24.6
Utah	87.1	93.2	82.9	9.5	86.9	6.7	82.8	11.0
Vermont	100.0	87.4	100.0	76.6	100.0	80.8	100.0	77.8
Virginia	74.2	22.7	67.5	12.1	73.2	14.3	68.0	15.8
Washington	94.5	34.0	89.4	24.0	91.3	22.5	89.7	22.2
West Virginia	57.3	2.4	51.8	10.8	55.6	6.8	50.1	7.3
Wisconsin	R83.1	R26.0	79.0	20.2	83.0	22.4	77.3	19.6
Wyoming	88.1	1.7	89.2	2.9	86.7	2.5	82.3	2.3
Total	**R67.0**	**R16.2**	**66.2**	**17.4**	**67.6**	**21.3**	**63.0**	**17.7**

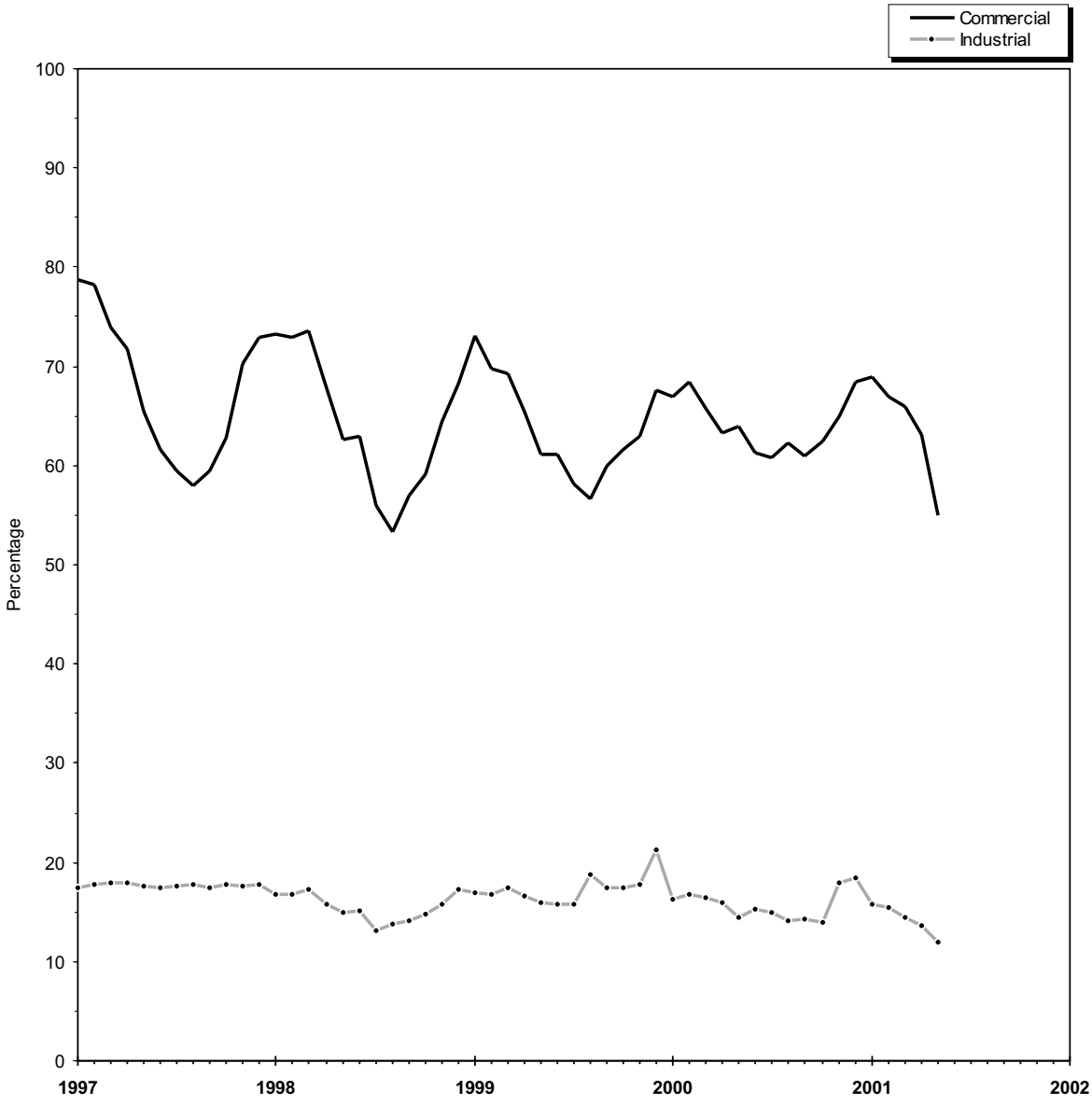
R Revised Data.
NA Not Available.
— Not Applicable.

Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

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

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1997-2001



Sources: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (*NGM*). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

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

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Reported on Form EIA-895 and Estimated from Historical Data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from Supply Estimates and Coal Gasification Information
Imports	Estimated from National Energy Board of Canada Information and Liquefied Natural Gas Information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from Industry Trends and Liquefied Natural Gas Information
Current-Month Consumption	Estimated from Historical Month-to-Month Percent Changes
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from Reports to the Sample Survey Form EIA-857
Commercial	Estimated from Reports to the Sample Survey Form EIA-857
Industrial	Estimated from Reports to the Sample Survey Form EIA-857
Electric Utilities	Reported of Form EIA-759

For data that are not taken from STIFS computations, Table A1 below lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables l, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the *NGM*, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production — carbon dioxide, helium, hydrogen sulfide, and nitrogen — are reported by State agencies on the voluntary Form EIA-895. Eleven of the 33 producing States reported data on nonhydrocarbon gases removed during 1999. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

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

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from

storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

Final Monthly Data

Final monthly data are the sums of monthly data reported on the annual Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," annual schedule.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

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

Preliminary Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

Preliminary Monthly Data - Exports

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

Note 5. Consumption

All Annual Data

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

Total Consumption

Preliminary Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous

month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation off sample selection and estimation procedures.

Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's total consumption figure to compute the monthly estimate.

Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary Monthly Data

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

Final Monthly Data

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

Note 6. Extraction Loss

Annual Data

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

Preliminary Monthly Data

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

Final Monthly Data

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

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Types of Underground Storage Facilities

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

Note 8. Average Wellhead Value

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data

was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Preliminary Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, Gas Daily (published by Financial Times Energy). The spot prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the Natural Gas Monthly. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final Monthly Data

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

Note 9. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

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

Annual Data

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual "balancing item" data, see the *Natural Gas Annual*.

Preliminary Monthly Data

Preliminary monthly data in the "balancing item" category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

Note 10. Heating Degree-Days

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

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate 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 authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

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

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers were categorized as firm or interruptible. Commercial and industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the "Change in Definition of Consumption Sector" below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.

Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Survey Universe and Response Statistics

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

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

Routine Form EIA-176 Edit Checks

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

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

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

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

Other EIA Publications Referencing Form EIA-176

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

Form EIA-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the

Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the IOGCC decided to discontinue collection of their form. Data collection on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) form, "Monthly Report of Natural Gas Production." All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period. Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 33 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon gases removed in 1999 were reported by the appropriate agencies of 11 of the 33 producing States. These 11 States accounted for 45 percent of total 1999 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (114,657), Colorado (380,081), and New Mexico (610,062).

Summary of Data Reporting Requirements

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State's standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Routine Form EIA-895 Edit Checks

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base.

Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-895

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

EIA-191 Survey, "Monthly Underground Gas Storage Report"

Survey Design

The Form EIA-191, "Monthly Underground Gas Storage Report," was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms will continue to file Form EIA-191.

Survey Universe and Response Statistics

The 140 companies that operate underground facilities file the Form EIA-191. The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the December submission.

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

Routine Form EIA-191 Edit Checks

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

Other EIA Publications Referencing Form EIA-191

The EIA 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"

Survey Design

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

Survey Universe and Response Statistics

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail.

Routine Edit Checks

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

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

Survey Design

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

Survey Universe and Response Statistics

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and the Form EIA-759, "Monthly Power Plant Report.") See Appendix C for a discussion of the sample design and estimation procedures.

Appendix B

Summary of Form EIA-857 Data Reporting Requirements

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

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

Routine Form EIA-857 Edit Checks

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

Appendix C

Statistical Considerations

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

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,468 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1999 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 1999. 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 386 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:

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

where:

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

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

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

$X_{i.}$ = the sum within State of annual gas volumes for company i,

$X_{.j}$ = the sum within State of annual gas volumes in consumer sector j,

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

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

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

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

where:

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

X2 = the sum within State of the Xi. 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:

California: companies handling only industrial gas and all other companies.

Colorado: companies delivering more than four billion cubic feet of natural gas during 1979 and those delivering less than that amount.

Louisiana: companies delivering only to industrial consumers and other companies.

Texas: companies delivering only to industrial consumers; companies delivering to industrial and commercial consumers only; companies delivering to residential and commercial consumers only; and those delivering to all three sectors.

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 sam-

pled. 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:

$$E_{vj} = \frac{Y_{.j}}{Y'_{.j}} \qquad (3)$$

where:

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

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

The ratio estimator is applied as follows:

$$V_{.j} = {}_{y.j} \times E_{vj} \qquad (4)$$

where:

$V_{.j}$ = the State estimate of monthly gas volumes in consumer sector j,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector j.

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

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

$$P_j = \frac{R_j}{V'_j}$$

where:

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

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

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

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

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

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

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

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

$$F_t = F_t - 1 \times \frac{y_{.jt}}{y_{.jt-1}} \qquad (5)$$

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* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

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

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

The formula for revising the estimated consumption is:

$$V^*_{jm} = V_{jm} + \left[(V_{ja} - V'_{jm})(\frac{V_{jm}}{V'_{jm}}) \right] \qquad (6)$$

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

$$R^*_{jm} = R_{jm} + \left[(R_{ja} - R'_{jm})(\frac{R_{jm}}{R'_{jm}}) \right] \qquad (7)$$

where:

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

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

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

R'_{jm} = The annual sum of estimated monthly revenues. Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

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

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

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

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

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

$$V(\hat{Y}) = \sum_{h=1}^{H} \left[N_h^2 \frac{(1 - \frac{n_h}{N_h}}{n_h (n_h - 1)} \left(\sum_{i=1} (y_i - T x_i)^2 \right) \right] \quad (8)$$

where:

H = the total number of strata

N_h= the total number of companies in stratum h

n_h= the sample size in stratum h

y_i= the reported monthly volume for company i

x_i= the reported annual volume for company i

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

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, May 2001

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	78	297	1,570	1,600	0.30	3.43	4.88
Alaska	0	0	0	0	—	—	—
Arizona	42	26	0	49	0.22	0.23	—
Arkansas	NA	NA	299	NA	NA	NA	0.15
California	94	142	1,306	1,318	0.02	0.06	0.13
Colorado	957	447	480	1,161	0.17	0.28	1.44
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	244	292	656	758	2.10	0.30	6.70
Georgia	537	405	7,191	7,222	5.87	4.48	3.22
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	194	6,634	4,763	8,169	0.40	0.25	0.27
Indiana	NA	NA	8,683	NA	NA	NA	4.99
Iowa	44	107	162	199	0.26	0.58	0.45
Kansas	638	2,359	3,793	4,512	1.90	2.47	6.09
Kentucky	174	313	483	601	0.80	1.92	5.43
Louisiana	0	0	3,725	3,725	—	—	0.01
Maine	NA	NA	NA	NA	NA	NA	NA
Maryland	5	18	52	56	—	0.05	0.83
Massachusetts	NA	0	0	NA	NA	—	—
Michigan	145	193	608	654	0.19	0.24	0.28
Minnesota	707	144	674	987	0.23	0.23	0.63
Mississippi	15	31	463	464	0.35	0.13	0.41
Missouri	957	478	763	1,314	1.74	1.23	2.63
Montana	2	3	0	3	0.03	0.05	—
Nebraska	86	28	151	176	0.16	0.15	0.32
Nevada	0	0	0	0	—	—	—
New Hampshire	0	NA	NA	NA	—	NA	NA
New Jersey	0	0	0	0	—	—	—
New Mexico	110	249	740	789	2.96	4.27	—
New York	1,528	2,999	2,747	4,345	0.51	0.37	0.65
North Carolina	9	21	135	137	0.06	0.05	0.82
North Dakota	0	0	0	0	—	—	—
Ohio	201	1,022	1,649	1,951	0.54	0.38	9.46
Oklahoma	182	1,418	16	1,429	0.57	0.52	4.63
Oregon	0	0	NA	NA	—	—	NA
Pennsylvania	NA	523	4,682	NA	NA	0.24	0.08
Rhode Island	0	0	0	0	—	—	—
South Carolina	64	118	1,077	1,085	1.65	2.29	0.75
South Dakota	0	0	0	0	—	—	—
Tennessee	270	450	599	796	0.67	1.87	3.13
Texas	43	2,697	8,296	8,723	0.57	0.59	0.35
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	173	69	351	397	0.21	0.24	1.55
Washington	NA	NA	NA	NA	NA	NA	NA
West Virginia	NA	256	NA	NA	NA	0.39	NA
Wisconsin	NA	NA	NA	NA	NA	NA	NA
Wyoming	8	35	35	50	0.44	0.47	1.69
Total	**2,555**	**8,414**	**17,002**	**19,142**	**0.19**	**0.15**	**0.46**

NA Not Available.
— Not Applicable.

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

Appendix D

Articles, Special Focuses and Special Reports

A variety of energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

Feature Articles

Natural Gas 1998: Issues and Trends - Executive Summary ..... **April 1999**

Revisions to Monthly Natural Gas Data ..... **July 1998**

EIA Corrects Errors in EIA's Drilling Activity Estimates Series ..... **March 1998**

Recent Trends in Natural Gas Spot Prices ..... **December 1997**

Natural Gas Residential Pricing Developments During the 1996-97 Winter ..... **August 1997**

Revisions to Monthly Natural Gas Data ..... **July 1997**

Intricate Puzzle of Oil and Gas Reserves Growth" ..... **July 1997**

Restructuring Energy Industries: Lessons from Natural Gas ..... **May 1997**

Special Focuses

Impact of Interruptible Natural Gas Service on Northeast Heating Oil Demand ..... **January 2001**

Status of Natural Gas Pipeline System Capacity Entering the 2000-2001 Heating Season ..... **October 2000**

Corporate Realignments and Investments in the Interstate Natural Gas Transmission System ..... **October 1999**

Deliverability on the Interstate Natural Gas Pipeline System ..... **May 1998**

Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1996 Annual Report - Advance Summary ..... **September 1997**

Worldwide Natural Gas Supply and Demand and the Outlook for Global LNG Trade ..... **August 1997**

Outlook for Natural Gas Through 2015 ..... **January 1997**

Natural Gas Productive Capacity ..... **January 1997**

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Special Reports

Natural Gas Winter Outlook 2000-2001 ..... **October 2000**

U.S. Natural Gas Imports and Exports - 1999 ..... **August 2000**

Natural Gas 1999: A Preliminary Summary ..... **May 2000**

*Next Generation * Natural Gas $(NG)^2$ Information Requirements — Executive Summary* ..... **February 2000**

Increasing Importance of Natural Gas Imports on the U.S. Marketplace ..... **February 2000**

Natural Gas Winter Outlook 1999-2000 ..... **October 1999**

U.S. Natural Gas Imports and Exports - 1998 ..... **August 1999**

Retail Unbundling ..... **July 1999**

Natural Gas 1998: A Preliminary Summary ..... **April 1999**

U.S. Natural Gas Imports and Exports - 1997 ..... **August 1998**

Revisions to Monthly Natural Gas Data ..... **July 1998**

Natural Gas 1997: A Preliminary Summary ..... **April 1998**

Comparison of Natural Gas Storage Estimates from the EIA and AGA ..... **October 1997**

U.S. Underground Storage of Natural Gas in 1997: Existing and Proposed ..... **September 1997**

U.S. Natural Gas Imports and Exports - 1996 ..... **August 1997**

Revisions to Monthly Natural Gas Data ..... **July 1997**

Natural Gas 1996: Highlights ..... **April 1997**

Natural Gas Pipeline and System Expansions ..... **April 1997**

Natural Gas Analysis and Geographic Information Systems ..... **March 1997**

Appendix E

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
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
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"	Margaret Natof (202)586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margaret Natof (202)586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Margaret Natof (202)586-6303
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Margaret Natof (202)586-6303
Producer Related Activities: Natural Gas Production	7,8	Monthly:	Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13,14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	 15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility	 20 21 22 23 24	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Onsystem Sales	25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depletion: The loss in service value incurred in connection with the exhaustion of the natural gas reserves in the course of service.

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

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Utility: An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

Electric Utility Consumption: Gas used as fuel in electric utility plants.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Independent Producers: Any person who is engaged in the production or gathering of natural gas and who sells natural gas in interstate commerce for resale but who is not engaged in the transportation of natural gas (other than gathering) by pipeline in interstate commerce.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

Interstate Companies: Natural gas pipeline companies subject to FERC jurisdiction.

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.

Intrastate Companies: Companies not subject to FERC jurisdiction.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

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

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

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

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

Therm: One-hundred thousand British thermal units.

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

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

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

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