

Natural Gas Annual 1998

October 1999

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Office of Oil and Gas
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Preface

The *Natural Gas Annual* provides information on the supply and disposition of natural gas to a wide audience including Congress, Federal and State agencies, industry analysts, consumers, and educational institutions. The 1998 data are presented in a sequence that follows natural gas (including supplemental supplies) from its production to its end use. This is followed by tables summarizing natural gas supply and disposition from 1994 to 1998 for each Census Division and each State. Annual historical data are shown at the national level.

The data in the *Natural Gas Annual 1998* are taken from surveys conducted by the Energy Information Administration (EIA), U.S. Department of Energy (DOE), to fulfill its responsibilities for gathering and reporting energy data. Two EIA surveys provide most of the information presented in this report—the mandatory Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition,” and the Form EIA-895, “Monthly Quantity and Value of Natural Gas Report.” Form EIA-176 was submitted by respondents out of an identified universe of operators of fields, wells, or natural gas processing plants who distribute gas to end users or transport gas to or across a State border; operators of synthetic natural gas plants; natural gas distributors; natural gas

pipeline companies; and companies that operate underground natural gas storage facilities. Form EIA-895 was submitted by the appropriate agencies of the 33 natural gas producing States.

Data collected on Form EIA-176 are not proprietary. Selected company-level data are presented in the Consumption section.

Other EIA surveys that provided information for this report are Forms EIA-816, “Monthly Natural Gas Liquids Report,” and EIA-64A, “Annual Report of the Origin of Natural Gas Liquids Production,” for gas processed, plant fuel, and extraction loss data; Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers,” for data on the city gate prices; Forms EIA-759, “Monthly Power Plant Report,” and FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,” for data on the quantity and price of natural gas consumed by electric utilities; and Office of Fossil Energy, “Natural Gas Imports and Exports ” for data on the quantity and price of natural gas imports and exports. The EIA report, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Report*, was the source of the reserves data.

Cautionary Note: Number of Residential Consumers

The Energy Information Administration (EIA) expects that there may be some double counting in the number of residential users reported for 1998, specifically that some residential customers were reported as both sales and transportation customers.

To collect data for the number of residential consumers, EIA currently surveys companies that deliver gas to consumers. Traditionally, residential customers have obtained the gas commodity, and all services associated with delivering it, from their local distribution company (LDC). The LDC records these customers as sales customers. Customer choice programs allow consumers to select the provider from whom they purchase gas. When customers elect to purchase gas from a provider other than the LDC, the LDC continues to deliver the gas to the household, even though it no longer sells the gas. The LDC records these customers as transportation customers. A residential customer who entered a customer choice program during 1998 would have been classified early in the year as a traditional sales customer and again later in the year as a transportation customer. This double reporting affects the number of residential consumers and the average annual residential consumption per consumer shown in the *Natural Gas Annual*.

To help readers evaluate the problem of double reporting, Table A7 is provided in Appendix A, “Summary of Data Collection Operations and Report Methodology.” It lists residential customers by sales and transportation, known as “deliveries for the account of others,” for 1997 and 1998. Appendix A also includes the survey Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition.” Numbers of residential customers are reported on this form for both sales and transportation classifications.

Various customer choice programs, also known as retail unbundling programs, were implemented in many States during 1998. A description of these programs by individual State is on the EIA web site at: www.eia.doe.gov/oil_gas/natural_gas/restructure/restructure.html.

Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE that has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The United States Geological Survey (USGS) and the United States Minerals Management Service (MMS) of the Department of the Interior were sources of supplemental information on production, the number of producing gas and gas-condensate wells, and wellhead values. The geographic coverage is the 50 States and the District of Columbia.

All volumes of natural gas in this publication are reported at 14.73 pounds per square inch absolute and 60 degrees Fahrenheit, except where noted. A glossary of terms is provided to assist users in understanding the data presented. A description of the data collection surveys appears in Appendix A. Appendix B describes metric and thermal conversion factors, and Appendix C lists additional natural gas information sources.

The tables of data that appear in this report are available on the Internet. See inside front cover for further details.

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
<u>Publications</u>		
<i>Natural Gas Weekly Market Update</i>	PDF	Analysis of current price, supply, and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 1997
<i>Issues and Trends</i>	PDF	Comprehensive analysis of growth and change in the natural gas industry
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<u>Databases</u>		
Monthly data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical monthly data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical annual data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
Field Codes	EXE	Oil & Gas Field Code Master List
<u>Applications</u>		
EIA-176 Query System	EXE	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

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

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Overview

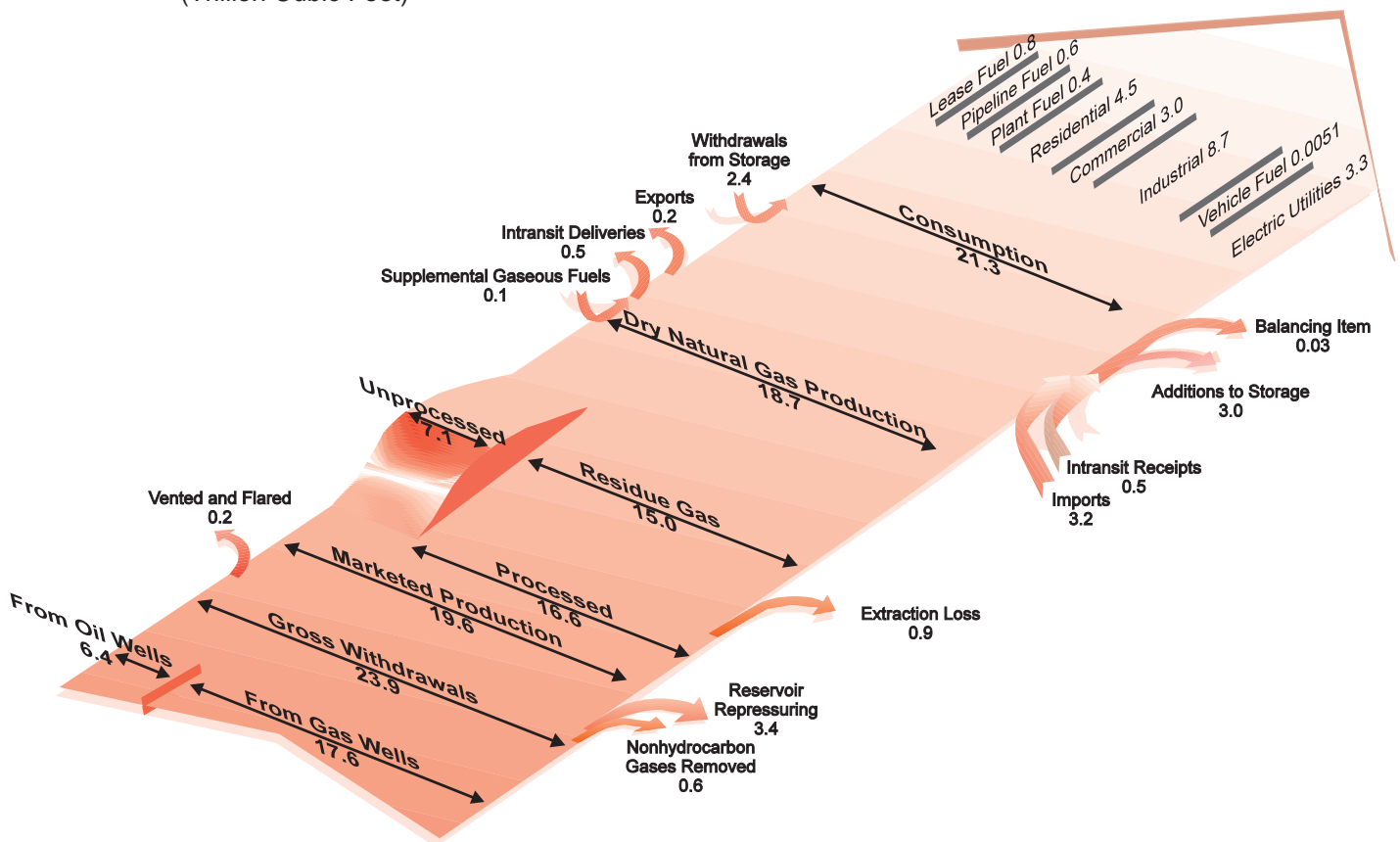
During 1998, the natural gas industry showed modest declines in both production and end-use consumption. Production decreased slightly, by 1 percent, to 18.7 trillion cubic feet. Consumption fell in nearly every end use sector, contributing to an overall drop of 3 percent. Declines in consumption were seen in the residential, commercial, and industrial sectors. These decreases were somewhat offset by an increase in deliveries to electric utilities, attributed in part to the warmer-than-normal summer weather seen during 1998. Natural gas prices also fell in 1998 from the wellhead to every end use sector except vehicle fuel.

Imports took on a greater role in meeting supply during 1998, contributing a 15-percent share of U.S. gas consumption, compared with a 5-percent share in the early 1980's. Underground storage continued to enable supply reliability during periods when demand was high.

Some of the national highlights of 1998 were:

- Total natural gas consumption declined to 21.3 trillion cubic feet. This level was 3 percent below the 1997 and 1996 levels. Higher natural gas use by the electric

Figure 1. Natural Gas Flow Diagram, 1998
(Trillion Cubic Feet)



Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-759, "Monthly Power Plant Report"; Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports; U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216, and the U.S. Minerals Management Service.

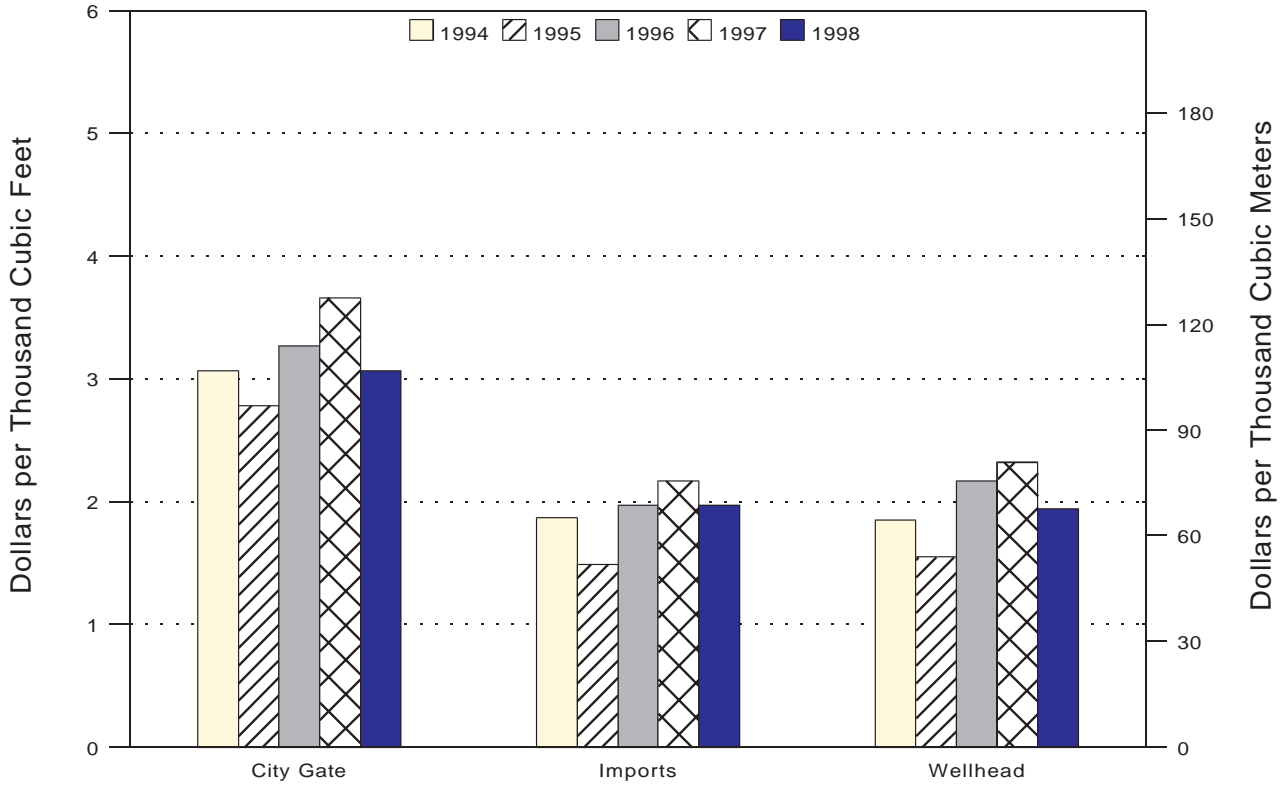
utility sector was offset by lower use in the residential and commercial sectors, due to warmer-than-normal temperatures during the winter months.

- The residential sector saw the largest decrease (463 billion cubic feet) with 4.5 trillion cubic feet consumed, down 9 percent from the 1997 level and 14 percent from the 1996 level. Commercial consumption of natural gas was 3.0 trillion cubic feet, a decline of 7 percent from the historical high of 3.2 trillion cubic feet in 1997. During 1998, natural gas consumption by the industrial sector fell to 8.7 trillion cubic feet, 2 percent below the 1997 level. Natural gas delivered to electric utilities rose to 3.3 trillion cubic feet, 10 percent (290 billion cubic feet) above the 1997 level. The increase in this sector was largely driven by utility use of natural gas for peak air-conditioning demand as extremely high temperatures lingered in the Southwest during the summer.
- Prices declined during 1998 from the wellhead to the burner tip. The average wellhead price of natural gas fell 16 percent (\$0.38 per thousand cubic feet) from \$2.32 per thousand cubic feet in 1997 to \$1.94 in 1998. The average city gate price decreased substantially from \$3.66 per thousand cubic feet in 1997 to \$3.07 in 1998, a decrease of 16 percent. Average prices paid across the consuming sectors followed this downward trend, but sharper declines were seen in the industrial and electric utility sectors.
- The average price paid by the residential sector showed a modest decline of 2 percent (\$0.12 per thousand cubic feet) between 1997 and 1998 to \$6.82 per thousand cubic feet. The price paid by the commercial sector decreased by 5 percent, or \$0.31 per thousand cubic feet, to an average price of \$5.48 per thousand cubic feet during the same period.
- Prices paid for natural gas by industrial consumers that continue to purchase gas from their local distribution company dropped 13 percent, from \$3.59 per thousand cubic feet in 1997 to \$3.14 in 1998, and prices paid by electric utilities declined 14 percent,

from \$2.78 in 1997 to \$2.40 per thousand cubic feet in 1998.

- At 19.6 trillion cubic feet, natural gas marketed production saw a modest 1 percent decline during 1998 compared to the 19.9 trillion cubic feet produced during 1997. This 1998 level was 13 percent below the 1973 historical peak of 22.6 trillion cubic feet. Texas, Louisiana, Oklahoma, and New Mexico continued to lead the nation in the production of natural gas. Together these four States supplied 14.8 trillion cubic feet, 75 percent of marketed natural gas production in 1998.
- Net imports of natural gas increased for the 12th consecutive year, moving up 5 percent between 1997 and 1998 to 3.0 trillion cubic feet. They contributed a 15-percent share of 1998 U.S. gas consumption. Pipeline imports from Canada and liquefied natural gas (LNG) imports from all sources moved higher, while imports from Mexico declined. U.S. exports of natural gas totaled 159 billion cubic feet, 1 percent higher than in 1997. A substantial drop in exports to Canada (29 percent) was more than offset by increased pipeline exports to Mexico and LNG exports to Japan.
- Imports from Canada, by far the primary foreign supplier of gas, reached a record level of nearly 3.1 trillion cubic feet, more than double the 1990 level. With additional crossborder pipeline capacity available, U.S. imports from Canada climbed by 153 billion cubic feet between 1997 and 1998.
- At the end of 1998, there were 410 underground storage fields in operation in the United States with 3.7 trillion cubic feet of working gas capacity. From January through December, injections into underground storage reservoirs were larger than withdrawals and resulted in a net change of 526 billion cubic feet. LNG storage additions exceeded LNG withdrawals by 4 billion cubic feet. The net change for total gas in storage for the year was an additional 530 billion cubic feet.

Figure 2. Selected Average Prices of Natural Gas in the United States, 1994-1998



Sources: Energy Information Administration (EIA), Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); and Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998).

Table 1. Summary Statistics for Natural Gas in the United States, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	163,837	165,146	166,474	167,223	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	291,773	298,541	301,811	^R 310,971	316,373
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	17,351,060	17,282,032	^R 17,737,334	17,844,046	17,558,621
From Oil Wells.....	6,229,645	6,461,596	^R 6,376,201	6,368,631	6,365,612
Total.....	23,580,706	23,743,628	^R24,113,536	24,212,677	23,924,233
Repressuring	-3,230,667	-3,565,023	^R -3,510,753	-3,491,542	-3,433,323
Nonhydrocarbon Gases Removed.....	-412,178	-388,392	-518,425	^R -598,691	-611,226
Wet After Lease Separation	19,937,861	19,790,213	^R 20,084,357	^R 20,122,444	19,879,684
Vented and Flared.....	-228,336	-283,739	-272,117	^R -256,351	-234,130
Marketed Production	19,709,525	19,506,474	^R 19,812,241	^R 19,866,093	19,645,554
Extraction Loss.....	-888,500	-907,795	-958,178	-963,759	-937,798
Total Dry Production.....	18,821,025	18,598,679	^R18,854,063	^R18,902,334	18,707,756
Supply (million cubic feet)					
Dry Production.....	18,821,025	18,598,679	^R 18,854,063	^R 18,902,334	18,707,756
Receipts at U.S. Borders					
Imports	2,623,839	2,841,048	2,937,413	2,994,173	3,152,058
Intransit Receipts	487,760	492,481	536,333	548,000	481,581
Withdrawals from Storage					
Underground Storage.....	2,508,151	2,974,102	2,911,327	2,824,245	2,377,344
LNG Storage	70,689	50,446	69,287	69,517	54,365
Supplemental Gas Supplies.....	110,826	110,290	109,455	103,153	102,189
Balancing Item.....	-415,579	-230,002	^R 217,114	^R 61,024	-33,330
Total Supply.....	24,206,711	24,837,044	^R25,634,990	^R25,502,445	24,841,963
Disposition (million cubic feet)					
Consumption	20,707,717	21,580,665	^R 21,966,616	^R 21,958,660	21,262,023
Deliveries at U.S. Borders					
Exports	161,739	154,119	153,393	157,006	159,007
Intransit Deliveries.....	472,499	492,481	536,333	516,620	459,461
Additions to Storage					
Underground Storage.....	2,796,279	2,565,882	2,905,592	2,800,294	2,903,585
LNG Storage	68,478	43,897	73,057	69,865	57,887
Total Disposition	24,206,711	24,837,044	^R25,634,990	^R25,502,445	24,841,963
Consumption (million cubic feet)					
Lease Fuel.....	699,842	792,315	^R 799,629	^R 776,306	756,184
Pipeline Fuel.....	685,362	700,335	711,446	^R 751,470	635,477
Plant Fuel	423,878	427,853	450,033	426,873	401,314
Delivered to Consumers					
Residential.....	4,847,702	4,850,318	5,241,414	4,983,772	4,520,276
Commercial	2,895,013	3,031,077	3,158,244	^R 3,214,912	2,999,491
Industrial.....	8,167,033	8,579,585	8,870,422	^R 8,832,450	8,686,147
Vehicle Fuel.....	1,741	2,674	2,932	4,424	5,079
Electric Utilities	2,987,146	3,196,507	2,732,496	^R 2,968,453	3,258,054
Total Delivered to Consumers	18,898,635	19,660,161	20,005,508	^R20,004,012	19,469,047
Total Consumption.....	20,707,717	21,580,665	^R21,966,616	^R21,958,660	21,262,023
Delivered for the Account of Others (million cubic feet)					
Residential.....	42,338	45,269	49,148	61,013	105,128
Commercial	599,058	706,139	706,667	^R 939,332	990,265
Industrial.....	6,112,919	6,517,352	7,151,885	^R 7,272,947	7,339,353
Electric Utilities	2,092,124	2,110,284	1,871,496	1,932,394	2,152,846

See footnotes at end of table.

Table 1. Summary Statistics for Natural Gas in the United States, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Firm Deliveries (million cubic feet)					
Residential.....	4,843,995	4,846,360	5,236,112	4,980,060	4,517,711
Commercial	2,559,500	2,650,412	2,799,442	^R 2,755,098	2,536,659
Industrial.....	4,734,106	5,140,048	5,388,436	^R 5,295,826	5,381,146
Electric Utilities.....	1,580,745	1,758,945	1,506,864	1,445,885	1,748,729
Vehicle Fuel.....	1,336	2,449	2,674	4,168	4,806
Interruptible Deliveries (million cubic feet)					
Residential.....	3,706	3,958	5,301	3,712	2,565
Commercial	335,513	380,665	358,802	^R 459,814	462,832
Industrial.....	3,432,927	3,439,537	3,481,986	^R 3,536,624	3,305,001
Electric Utilities.....	1,210,453	1,147,860	989,185	1,177,631	1,182,015
Vehicle Fuel.....	405	225	258	257	273
Number of Consumers					
Residential.....	53,392,557	54,322,179	55,263,673	56,186,958	57,321,746
Commercial	4,533,905	4,636,500	4,720,227	^R 4,761,409	5,044,497
Industrial.....	202,940	209,398	206,049	^R 238,961	231,438
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	91	89	95	^R 89	79
Commercial	639	654	669	^R 675	595
Industrial.....	40,244	40,973	43,050	^R 36,962	37,531
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.85	1.55	2.17	2.32	1.94
Imports	1.87	1.49	1.97	2.17	1.97
Exports	2.50	2.39	2.97	3.02	2.45
Pipeline Fuel.....	1.70	1.49	2.27	2.29	2.01
City Gate	3.07	2.78	3.27	3.66	3.07
Delivered to Consumers					
Residential.....	6.41	6.06	6.34	6.94	6.82
Commercial	5.44	5.05	5.40	^R 5.80	5.48
Industrial.....	3.05	2.71	3.42	3.59	3.14
Vehicle Fuel.....	4.11	3.98	4.34	4.44	4.59
Electric Utilities.....	2.28	2.02	2.69	^R 2.78	2.40

^R = Revised data.
 NA = Not available.
Notes: Beginning in 1987, prices for gas delivered to consumers are calculated using only on-system sales data. No imputations are made for prices of gas delivered for the account of others. In previous years, prices were calculated using reported values and values imputed for gas delivered for the account of others. The United States includes the 50 states and the District of Columbia. Totals may not equal sum of components due to 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.
Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

Figure 3. Natural Gas Supply and Disposition in the United States, 1998
(Trillion Cubic Feet)

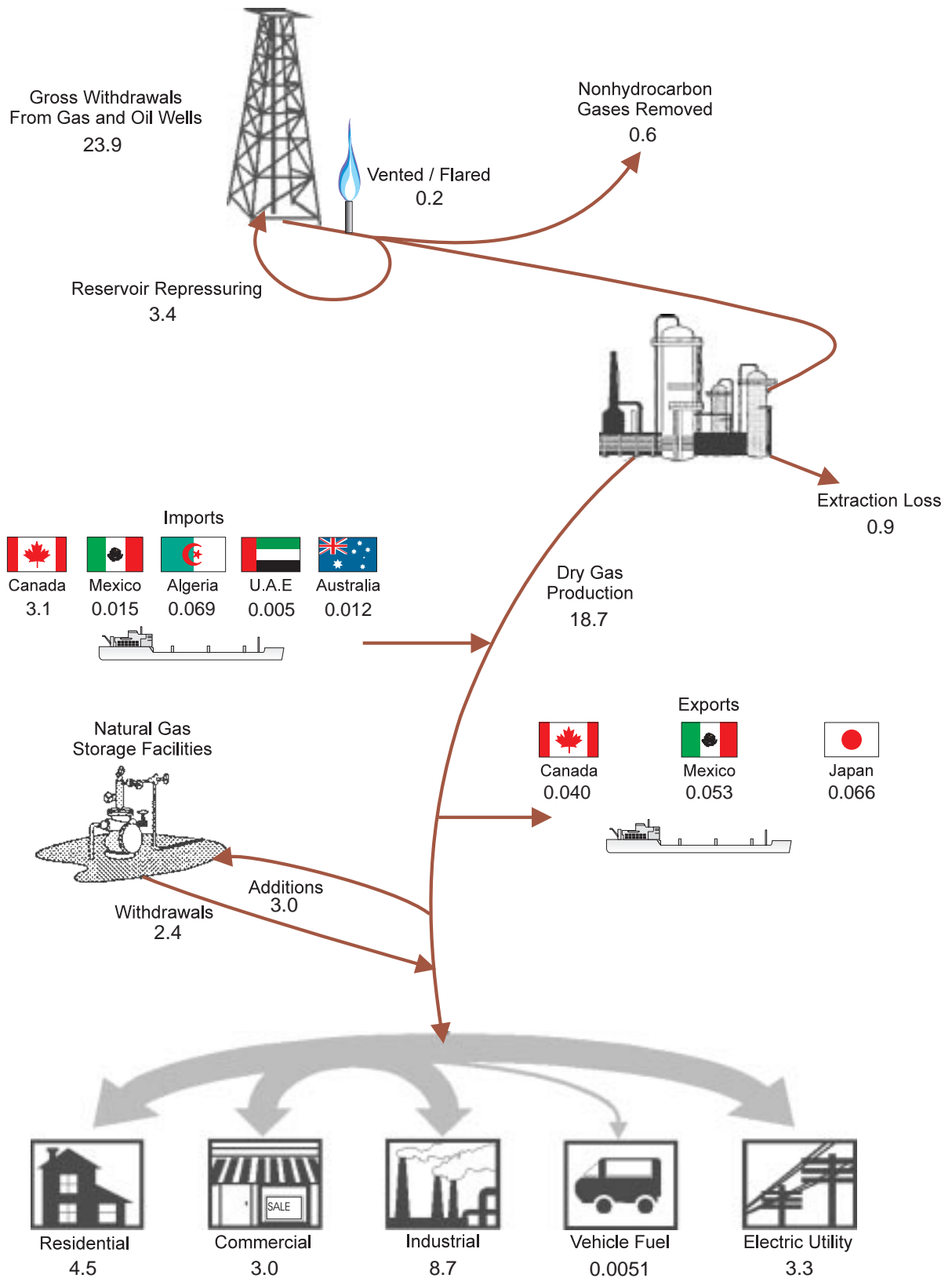


Table 2. Natural Gas Production, Transmission, and Consumption by State, 1998
(Million Cubic Feet)

State	Marketed Production	Extraction Loss	Balancing Item ^a	Net Interstate Movements ^b	Net Movements Across U.S. Borders ^c	Net Storage Changes ^c	Supplemental Gas Supplies	Consumption
Alabama	563,779	4,263	-29,996	-200,953	0	478	2	328,091
Alaska	466,648	40,120	74,285	0	-65,951	0	0	434,862
Arizona	457	0	71,367	86,844	-4,166	0	0	154,502
Arkansas	188,372	451	-10,142	96,715	0	1,776	0	272,719
California	315,277	10,242	-67,706	1,820,433	-2,067	40,855	0	2,014,839
Colorado	696,321	24,365	-163,402	-196,610	0	5,072	5,292	312,163
Connecticut	0	0	6,984	114,837	0	66	33	121,788
D.C.	0	0	-794	31,164	0	0	0	30,371
Delaware	0	0	4,043	36,749	0	8	0	40,785
Florida	5,796	1,523	-10,664	472,632	0	0	0	466,241
Georgia	0	0	-38,231	394,824	0	-698	16	357,307
Hawaii	0	0	-61	0	0	0	2,715	2,654
Idaho	0	0	18,849	-831,635	879,840	-460	0	67,514
Illinois	209	70	23,707	940,495	0	9,430	2,736	957,647
Indiana	615	0	-22,397	540,755	0	1,407	3,149	520,715
Iowa	0	0	-32,185	267,998	0	3,234	17	232,596
Kansas	603,586	45,801	-144,189	-80,882	0	18,833	0	313,880
Kentucky	81,868	2,263	-49,634	186,793	0	11,700	2	205,065
Louisiana	5,287,870	144,609	22,174	-3,542,665	42,922	96,731	0	1,568,961
Maine	0	0	-78	5,734	0	17	24	5,663
Maryland	63	0	357	180,453	0	1,660	80	179,293
Massachusetts	0	0	10,148	277,789	42,531	-7,243	68	337,778
Michigan	278,076	5,938	-79,717	1,155,676	-451,801	74,840	21,967	843,423
Minnesota	0	0	-5,808	-626,113	956,733	-408	50	325,269
Mississippi	108,068	495	132,238	11,621	0	10,185	0	241,248
Missouri	0	0	20,759	238,205	0	-173	40	259,177
Montana	57,645	410	-21,334	-556,233	580,548	400	0	59,817
Nebraska	1,695	0	-26,390	153,537	0	-1,817	11	130,669
Nevada	9	0	22,650	121,071	0	-31	0	143,761
New Hampshire	0	0	-5,343	24,365	0	0	103	19,125
New Jersey	0	0	48,625	524,708	0	617	9,082	581,799
New Mexico	1,501,098	106,665	18,363	-1,166,885	0	6,479	0	239,432
New York	16,699	0	114,859	355,404	666,256	10,715	699	1,143,203
North Carolina	0	0	-27,982	240,980	0	203	0	212,795
North Dakota	53,185	5,481	-13,381	-48,759	9,268	0	54,672	49,504
Ohio	108,542	78	-36,692	766,728	0	26,672	1,194	813,022
Oklahoma	1,644,531	92,785	-53,520	-881,316	0	48,008	0	568,902
Oregon	1,067	0	-11,986	217,378	0	1,022	2	205,439
Pennsylvania	68,343	732	-17,942	612,248	0	40,541	80	621,456
Rhode Island	0	0	-9,810	95,207	0	-749	1	86,147
South Carolina	0	0	21,894	134,395	0	-350	0	156,639
South Dakota	1,620	0	-3,987	35,390	0	-9	4	33,036
Tennessee	1,420	0	8,976	268,165	0	-1,684	4	280,249
Texas	6,318,754	388,011	59,584	-1,827,728	-32,401	102,118	0	4,028,080
Utah	277,340	11,801	-140,370	43,788	0	-676	0	169,634
Vermont	0	0	55	-11,319	18,998	0	0	7,734
Virginia	57,263	0	-33,538	219,286	0	368	148	242,792
Washington	0	0	-45,839	-65,804	374,458	-338	0	263,153
West Virginia	178,023	7,337	132,454	-132,917	0	28,267	0	141,957
Wisconsin	0	0	-2,216	362,128	0	-21	0	359,934
Wyoming	761,313	44,358	259,632	-864,676	0	2,719	0	109,193
Total	19,645,554	937,798	-33,330	0	3,015,170	529,763	102,189	21,262,023

^a Balancing Item volumes are equal to Total Disposition (net storage changes plus extraction loss plus consumption) minus Total Supply (marketed production plus net interstate movements plus net movements across U.S. borders plus supplemental gas supplies).

^b Positive numbers denote net receipts; negative numbers denote net deliveries.
^c Negative numbers indicate withdrawals from storage in excess of additions to storage and are, therefore, additions to total supply.

Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; and the U.S. Minerals Management Service.

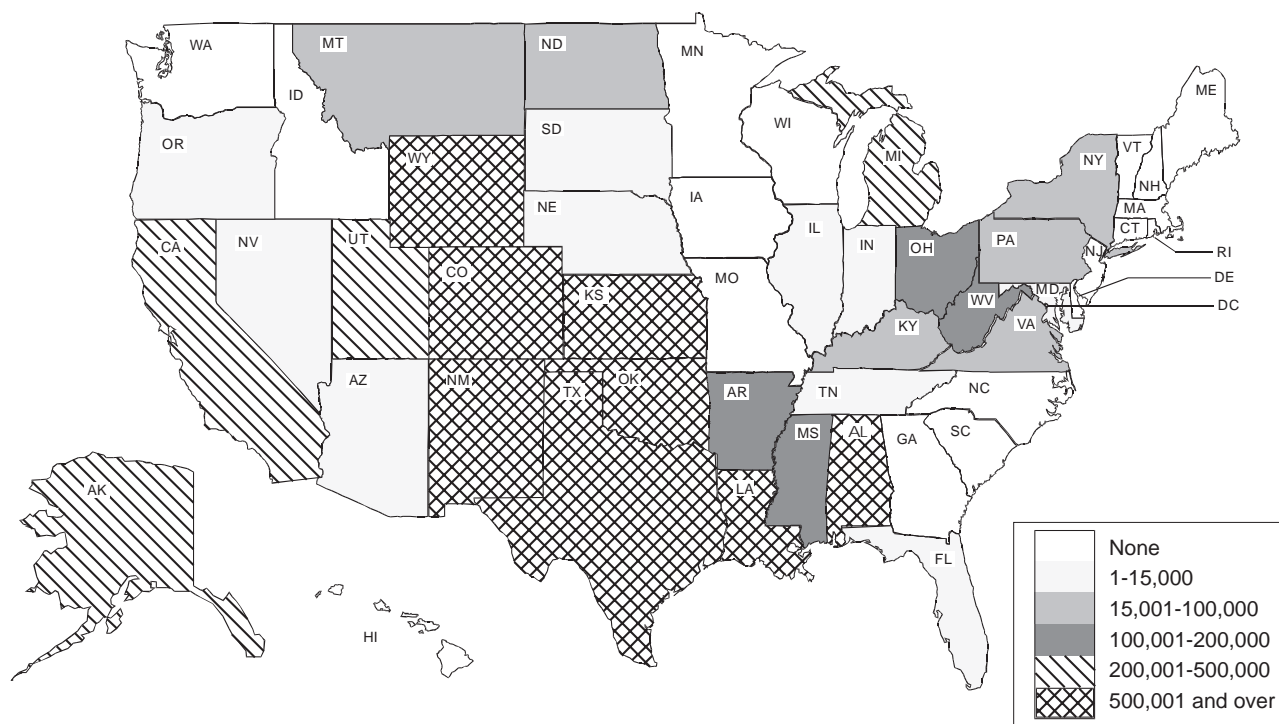
Supply

Production

During 1998, natural gas marketed production declined slightly (1 percent), to 19.6 trillion cubic feet from the 19.9 trillion cubic feet produced during 1997. Marketed production is derived from gross withdrawals by subtracting quantities used for repressuring, nonhydrocarbon gases removed during processing, and gas vented and flared. Marketed production volumes in 1998 were 13 percent below the 1973 historical peak of 22.6 trillion cubic feet. Texas, Louisiana, Oklahoma, and New Mexico continually lead the nation in the production of natural gas. Together these four States supplied 14.8 trillion cubic feet, 75 percent of marketed natural gas production in 1998.

- From 1997 to 1998, Louisiana had a modest increase in marketed production, with a gain of 58 billion cubic feet (1 percent) to 5.3 trillion cubic feet. Four other States showed increases in marketed production: Colorado, 59 billion cubic feet (9 percent); California, 30 billion cubic feet (10 percent); Wyoming, 23 billion cubic feet (3 percent), and Utah, 20 billion cubic feet (8 percent). Marketed production in Texas fell 135 billion cubic feet (2 percent) from the previous year's level. Marketed production also declined 84 billion cubic feet (12 percent) in Kansas, 59 billion cubic feet (3 percent) in Oklahoma, and 19 billion cubic feet (3 percent) in Alabama. Although Texas saw a slight decline in its marketed production, this State and Louisiana continue to be the two largest producing States, accounting for

Figure 4. Marketed Production of Natural Gas in the United States, 1998
(Million Cubic Feet)



Sources: West Virginia, 1998: Energy Information Administration (EIA), *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and EIA computations. All other data: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" and the United States Minerals Management Service.

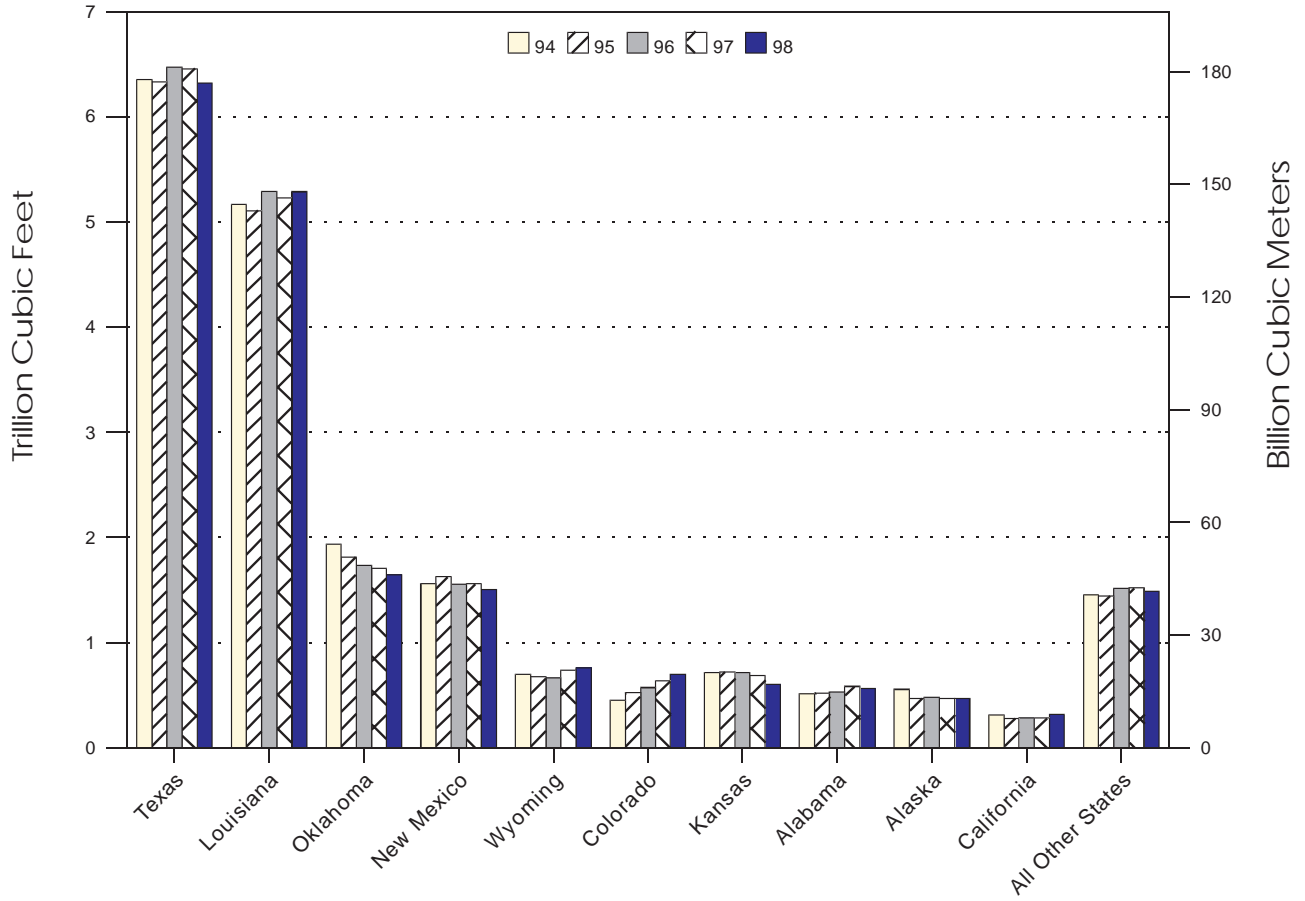
nearly 59 percent of U.S. marketed production. In all, 32 States reported measureable production in 1998.

- U.S. offshore production decreased slightly during 1998, declining 88 billion cubic feet (1 percent) from the 1997 level, to 5.8 trillion cubic feet. Offshore gross withdrawals accounted for 24 percent of the total U.S. gross withdrawals in 1998. Of the five States with offshore gross withdrawals of natural gas, two showed declines: Texas had a decrease of 104 billion cubic feet (8 percent), and Alabama had a decrease of 16 billion cubic feet (4 percent). These two States also had declines in onshore production during the same period. Alaska, California, and Louisiana, the remaining three States with offshore gross withdrawals of natural gas, showed increases in offshore production ranging from 1 percent to 7 percent during 1998.
- The number of producing gas wells and gas-condensate wells has continued to climb over the past 6 years, reaching 316,373 in 1998, 2 percent above the 1997 level. The South Atlantic Census Division saw the largest number of new wells drilled (8,414) in

1998 followed by the West South Central Census Division with 5,997 new wells.

- The average wellhead price declined in 1998 to \$1.94 per thousand cubic feet, 16 percent below the 1997 price of \$2.32. Average wellhead prices during 1996 and 1997 were at their highest level since the 1982-through-1985 time period when they peaked in the range of \$2.46 to \$2.66 per thousand cubic feet.
- The number of rotary rigs drilling for natural gas dropped from 564 in 1997 to 560 in 1998, while total well completions for natural gas rose from 10,937 to 11,907, a 9-percent increase. During 1998, exploratory natural gas well completions fell by 11 percent from 940 to 841. The percentage of overall oil and gas drilling was as follows: 68 percent of the rigs were drilling for natural gas, exploratory natural gas well completions were 68 percent of all exploratory completions, and developmental natural gas well completions and total natural gas well completions reached 65 percent, all record highs.

Figure 5. Marketed Production of Natural Gas in Selected Sectors, 1994-1998



Sources: West Virginia, 1998: Energy Information Administration (EIA), *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and EIA computations. All other data: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" and the United States Minerals Management Service.

Table 3. Gross Withdrawals and Marketed Production of Natural Gas by State, 1994-1998
(Million Cubic Feet)

Year and State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
1994 Total	17,351,060	6,229,645	23,580,706	3,230,667	412,178	228,336	19,709,525
1995 Total	17,282,032	6,461,596	23,743,628	3,565,023	388,392	283,739	19,506,474
1996 Total	^R 17,737,334	^R 6,376,201	^R 24,113,536	^R 3,510,753	^a 518,425	272,117	^R 19,812,241
1997 Total	17,844,046	6,368,631	24,212,677	3,491,542	^R 598,691	^R 256,351	^R 19,866,093
1998 Total	17,558,621	6,365,612	23,924,233	3,433,323	611,226	234,130	19,645,554
Alabama Total	597,424	8,414	605,839	13,994	26,604	1,462	563,779
Onshore	204,055	8,414	212,470	13,994	14,652	1,166	182,658
State Offshore	222,000	0	222,000	0	11,952	296	209,752
Federal Offshore	171,369	0	171,369	0	0	0	171,369
Alaska Total	182,993	3,195,855	3,378,848	2,904,028	0	8,171	466,648
Onshore	57,762	3,187,975	3,245,736	2,904,028	0	6,282	335,426
State Offshore	125,231	7,880	133,111	0	0	1,889	131,222
Federal Offshore	0	0	0	0	0	0	0
Arizona	429	28	457	0	0	0	457
Arkansas	159,769	29,941	189,709	1,293	0	45	188,372
California Total	81,097	316,472	397,569	79,614	726	1,952	315,277
Onshore	77,131	238,570	315,701	48,413	726	1,952	264,610
State Offshore	0	6,883	6,883	120	NA	NA	6,763
Federal Offshore	3,966	71,019	74,985	31,081	NA	NA	43,904
Colorado	606,349	98,460	704,809	7,244	0	1,244	696,321
Florida	0	6,547	6,547	0	751	0	5,796
Illinois ^E	203	6	209	0	0	0	209
Indiana	615	0	615	NA	NA	NA	615
Kansas	532,594	72,626	605,220	1,029	NA	605	603,586
Kentucky	81,868	0	81,868	0	0	0	81,868
Louisiana Total	4,525,152	824,209	5,349,361	41,948	NA	19,543	5,287,870
Onshore	1,230,813	155,665	1,386,478	6,779	NA	19,543	1,360,156
State Offshore	170,213	22,744	192,956	1,124	NA	NA	191,833
Federal Offshore	3,124,126	645,801	3,769,926	34,045	NA	NA	3,735,882
Maryland	63	0	63	0	0	0	63
Michigan	226,992	56,748	283,740	2,340	NA	3,324	278,076
Mississippi	120,588	8,628	129,216	9,830	8,520	2,798	108,068
Montana	51,774	7,733	59,506	68	518	1,274	57,645
Nebraska	1,214	480	1,695	0	0	0	1,695
Nevada	0	9	9	0	0	0	9
New Mexico	1,404,467	243,458	1,647,925	10,032	134,122	2,673	1,501,098
New York	16,413	291	16,704	0	0	5	16,699
North Dakota	18,220	39,394	57,614	0	57	4,371	53,185
Ohio	108,542	0	108,542	NA	NA	NA	108,542
Oklahoma	1,426,864	217,666	1,644,531	NA	NA	NA	1,644,531
Oregon	1,263	0	1,263	44	152	0	1,067
Pennsylvania	68,343	0	68,343	NA	NA	NA	68,343
South Dakota	772	8,480	9,252	0	6,106	1,526	1,620
Tennessee	0	1,420	1,420	NA	NA	NA	1,420
Texas Total	5,826,161	1,053,198	6,879,359	244,205	290,931	25,469	6,318,754
Onshore	4,669,930	962,557	5,632,487	244,205	290,931	25,469	5,071,881
State Offshore	59,159	609	59,767	NA	NA	NA	59,767
Federal Offshore	1,097,073	90,033	1,187,105	NA	NA	NA	1,187,105
Utah	253,761	43,504	297,265	559	NA	19,365	277,340
Virginia	57,263	0	57,263	0	0	0	57,263
West Virginia ^E	178,023	0	178,023	NA	NA	NA	178,023
Wyoming ^E	1,029,403	132,044	1,161,447	117,094	142,739	140,301	761,313

^a Nonhydrocarbon gases removed increased significantly in 1996 due to production increases in the Bravo Dome.

^E = Estimated data.

^R = Revised data.

NA = Not available.

Note: Totals may not equal sum of components due to independent rounding.

Sources: West Virginia, 1998: Energy Information Administration (EIA), *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and EIA computations. All other data: Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); and the United States Minerals Management Service.

Table 4. Offshore Gross Withdrawals of Natural Gas by State, 1994-1998
(Million Cubic Feet)

Year and State	State			Federal			Total Offshore
	From Gas Wells	From Oil Wells	Total	From Gas Wells	From Oil Wells	Total	
1994 Total	550,079	154,390	704,469	4,373,962	622,235	4,996,197	5,700,666
Alabama	228,878	0	228,878	117,308	3,194	120,502	349,380
Alaska	99,801	124,501	224,301	0	0	0	224,301
California	0	7,204	7,204	11,064	42,497	53,561	60,765
Louisiana	137,823	21,690	159,513	2,995,676	518,305	3,513,981	3,673,494
Texas	83,577	996	84,573	1,249,914	58,240	1,308,154	1,392,727
1995 Total	460,659	28,917	489,576	4,288,219	653,870	4,942,089	5,431,665
Alabama	212,895	0	212,895	143,353	350	143,703	356,598
Alaska	105,867	7,684	113,552	0	0	0	113,552
California	0	5,904	5,904	7,874	46,916	54,790	60,694
Louisiana	79,515	14,528	94,044	2,937,666	522,437	3,460,103	3,554,147
Texas	62,381	801	63,181	1,199,326	84,167	1,283,493	1,346,674
1996 Total	563,746	33,493	597,239	^R 4,558,997	^R 687,424	^R 5,246,422	^R 5,843,661
Alabama	209,013	0	209,013	152,055	0	152,055	361,068
Alaska	118,996	7,055	126,051	0	0	0	126,051
California	0	6,309	6,309	5,508	61,276	66,784	73,092
Louisiana	173,114	19,414	192,527	^R 3,166,015	^R 523,155	^R 3,689,170	^R 3,881,697
Texas	62,624	716	63,340	^R 1,235,419	^R 102,993	^R 1,338,413	^R 1,401,753
1997 Total	559,098	31,717	590,815	4,586,352	729,162	5,315,514	5,906,329
Alabama	214,414	0	214,414	194,677	0	194,677	409,091
Alaska	115,934	7,919	123,854	0	0	0	123,854
California	0	7,171	7,171	4,260	69,084	73,345	80,516
Louisiana	164,847	16,002	180,848	3,194,743	566,210	3,760,953	3,941,802
Texas	63,903	625	64,528	1,192,672	93,867	1,286,539	1,351,067
1998 Total	576,603	38,116	614,719	4,396,533	806,852	5,203,385	5,818,104
Alabama	222,000	0	222,000	171,369	0	171,369	393,369
Alaska	125,231	7,880	133,111	0	0	0	133,111
California	0	6,883	6,883	3,966	71,019	74,985	81,868
Louisiana	170,213	22,744	192,956	3,124,126	645,801	3,769,926	3,962,883
Texas	59,159	609	59,767	1,097,073	90,033	1,187,105	1,246,873

^R = Revised data.

Notes: For individual State and U.S. production, see Table 3. Totals may not equal sum of components due to independent rounding.

Source: Appropriate State agencies responses to informal data requests and the United States Minerals Management Service.

Table 5. Number of Producing Gas and Gas Condensate Wells by State as of December 31, 1994-1998

State	1994	1995	1996	1997	1998
Alabama	3,565	3,526	4,105	4,156	4,171
Alaska	104	100	102	141	148
Arizona	6	7	7	8	8
Arkansas	3,500	3,988	4,020	3,700	3,900
California	1,261	997	978	930	847
Colorado.....	7,056	7,017	8,251	12,433	13,838
Illinois	390	372	370	372	185
Indiana	1,348	1,347	1,367	1,458	1,479
Kansas	19,365	22,020	21,388	21,500	21,000
Kentucky	13,036	13,311	13,501	13,825	13,825
Louisiana.....	12,958	14,169	15,295	14,958	18,399
Maryland	7	7	8	8	8
Michigan.....	6,000	5,258	5,826	6,825	7,000
Mississippi.....	583	535	568	560	527
Missouri ^a	12	15	24	0	0
Montana	2,940	2,918	2,990	3,071	3,423
Nebraska.....	87	87	88	91	95
Nevada.....	0	0	5	5	4
New Mexico.....	23,292	23,510	24,134	27,421	28,200
New York.....	5,884	6,134	6,208	5,731	5,903
North Dakota.....	104	99	108	104	99
Ohio.....	34,731	34,520	34,380	34,238	34,098
Oklahoma.....	29,121	29,733	29,733	^R 29,734	30,101
Oregon	19	17	18	17	15
Pennsylvania.....	31,150	31,025	31,792	32,692	21,576
South Dakota	55	56	61	60	59
Tennessee	0	0	0	505	460
Texas.....	48,654	54,635	53,816	56,747	58,736
Utah.....	1,303	1,127	1,339	1,475	1,643
Virginia	1,470	1,671	1,671	2,046	2,388
West Virginia.....	39,830	36,144	35,148	31,000	39,072
Wyoming	3,942	4,196	4,510	5,160	5,166
Total.....	291,773	298,541	301,811	^R310,971	316,373

^a No wells currently in production.

^R = Revised data.

Sources: Energy Information Administration (EIA), Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); the United States Minerals Management Services (MMS), and *World Oil* Magazine.

Table 6. Wellhead Value and Marketed Production of Natural Gas by State, 1994-1998

Year and State	Reported Wellhead Value		Average Wellhead Price (dollars per thousand cubic feet)	Marketed Production (million cubic feet)	Imputed Wellhead Value of Marketed Production ^b (thousand dollars)
	Volume ^a (million cubic feet)	Value (thousand dollars)			
1994 Total	15,513,667	—	1.85	19,709,525	36,535,940
1995 Total	15,557,464	—	1.55	19,506,474	30,159,545
1996 Total	14,822,258	—	2.17	^R 19,812,241	^R 42,951,353
1997 Total	^R 17,105,855	—	2.32	^R 19,866,093	^R 46,131,323
1998 Total	17,653,795	—	1.94	19,645,554	38,205,887
Alabama	563,779	1,237,275	2.19	563,779	1,237,274
Alaska	192,982	254,039	1.32	466,648	614,291
Arizona	411	775	1.88	457	861
Arkansas ^c	61,012	239,053	3.92	188,372	738,061
California	264,810	521,970	1.97	315,277	621,446
Colorado ^c	696,321	1,323,347	1.90	696,321	1,323,344
Florida	NA	NA	—	5,796	0
Illinois	NA	NA	—	209	0
Indiana	615	1,286	2.09	615	1,286
Kansas	603,586	1,026,875	1.70	603,586	1,026,875
Kentucky	81,868	195,721	2.39	81,868	195,720
Louisiana	5,487,799	10,953,973	2.00	5,287,870	10,554,906
Maryland	63	164	2.60	63	164
Michigan	278,076	491,223	1.77	278,076	491,224
Mississippi.....	88,723	125,771	1.42	108,068	153,193
Montana	51,967	79,315	1.53	57,645	87,981
Nebraska.....	1,285	1,668	1.30	1,695	2,201
Nevada ^d	0	0	—	9	0
New Mexico.....	1,483,370	2,617,625	1.76	1,501,098	2,648,913
New York.....	15,415	39,500	2.56	16,699	42,791
North Dakota	53,185	113,591	2.14	53,185	113,591
Ohio.....	108,542	243,134	2.24	108,542	243,134
Oklahoma.....	1,644,531	2,914,864	1.77	1,644,531	2,914,865
Oregon	1,067	2,538	2.38	1,067	2,538
Pennsylvania.....	NA	NA	—	68,343	0
South Dakota	772	1,906	2.47	1,620	4,001
Tennessee	1,420	3,060	2.15	1,420	3,060
Texas.....	4,777,945	9,832,291	2.06	6,318,754	13,003,048
Utah.....	190,230	328,645	1.73	277,340	479,139
Virginia	NA	NA	—	57,263	0
West Virginia.....	NA	NA	—	178,023	0
Wyoming	1,004,020	1,782,740	1.78	761,313	1,351,788

^a Quantity of production associated with reported wellhead value. A number of States reported values associated with quantities other than marketed production.

^b Average wellhead price times marketed production does not equal imputed value of marketed production due to independent rounding.

^c Quantity and value data obtained from Energy Information Administration Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

^d All of Nevada's marketed production was consumed as lease fuel.

^R = Revised data.

NA = Not available.

— = Not applicable.

Note: Totals may not equal sum of components due to independent rounding.

Sources: West Virginia, 1998: Energy Information Administration (EIA), *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and EIA computations. All other data: Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); and the United States Minerals Management Service.

Table 7. Natural Gas Processed, Liquids Extracted, and Estimated Extraction Loss by State, 1998

Plant Location	Natural Gas Processed (million cubic feet)	Total Liquids Extracted (thousand barrels)	Extraction Loss	
			Volume (million cubic feet)	Estimated Heat Content (billion Btu)
Alabama	107,334	3,199	4,263	13,496
Alaska	2,966,461	33,889	40,120	150,419
Arkansas	198,148	365	451	1,536
California	235,558	8,351	10,242	34,826
Colorado	425,083	17,467	24,365	65,730
Florida	8,174	1,559	1,523	5,856
Illinois	468	59	70	255
Kansas	732,828	32,853	45,801	127,491
Kentucky	37,929	1,661	2,263	6,476
Louisiana	4,610,969	101,358	144,609	384,288
Michigan	83,052	4,399	5,938	16,977
Mississippi	3,668	370	495	1,592
Montana	8,715	318	410	1,306
New Mexico	868,209	74,058	106,665	268,232
North Dakota	52,777	4,234	5,481	17,673
Ohio	2,895	61	78	258
Oklahoma	947,177	65,306	92,785	239,776
Pennsylvania	11,366	554	732	2,280
Texas	4,073,739	272,512	388,011	1,011,707
Utah	242,070	8,280	11,801	32,395
West Virginia	70,641	5,158	7,337	19,293
Wyoming	870,518	32,000	44,358	124,462
Total.....	16,557,779	668,011	937,798	2,526,324

Note: Totals may not equal sum of components due to independent rounding.

Sources: Natural Gas Processed, Total Liquids Extracted, and Extraction Loss Volume: Energy Information Administration (EIA), Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." Estimated Heat Content of Extraction Loss: Estimated, assuming the makeup to total liquids production as reported on Form EIA-64A for each State was proportional to the components and products ultimately separated in

the States as reported on the 12 monthly reports on Energy Information Administration, Form EIA-816, "Monthly Natural Gas Liquids Report," and applying the following conversion factors to the individual component and product production estimates (million Btu extraction loss per barrel of liquid produced): ethane, 3.082; propane, 3.836; normal butane, 4.326; isobutane, 3.974; pentanes plus, 4.620.

Transmission

A complex grid of natural gas pipelines crisscrosses the nation and provides for the transmission and delivery of natural gas to customers in the Lower 48 States. Natural gas predominantly flows northeastward from the major producing areas in Texas, Louisiana, and the Gulf of Mexico, and to a lesser extent from producing areas in Oklahoma and New Mexico. At the northern U.S. border, Canadian pipelines interconnect with the U.S. network to reach into California and the northern States of the Midwest and the Northeast. This pipeline network also extends into Mexico at the southern U.S. border making an integrated market for the North American continent.

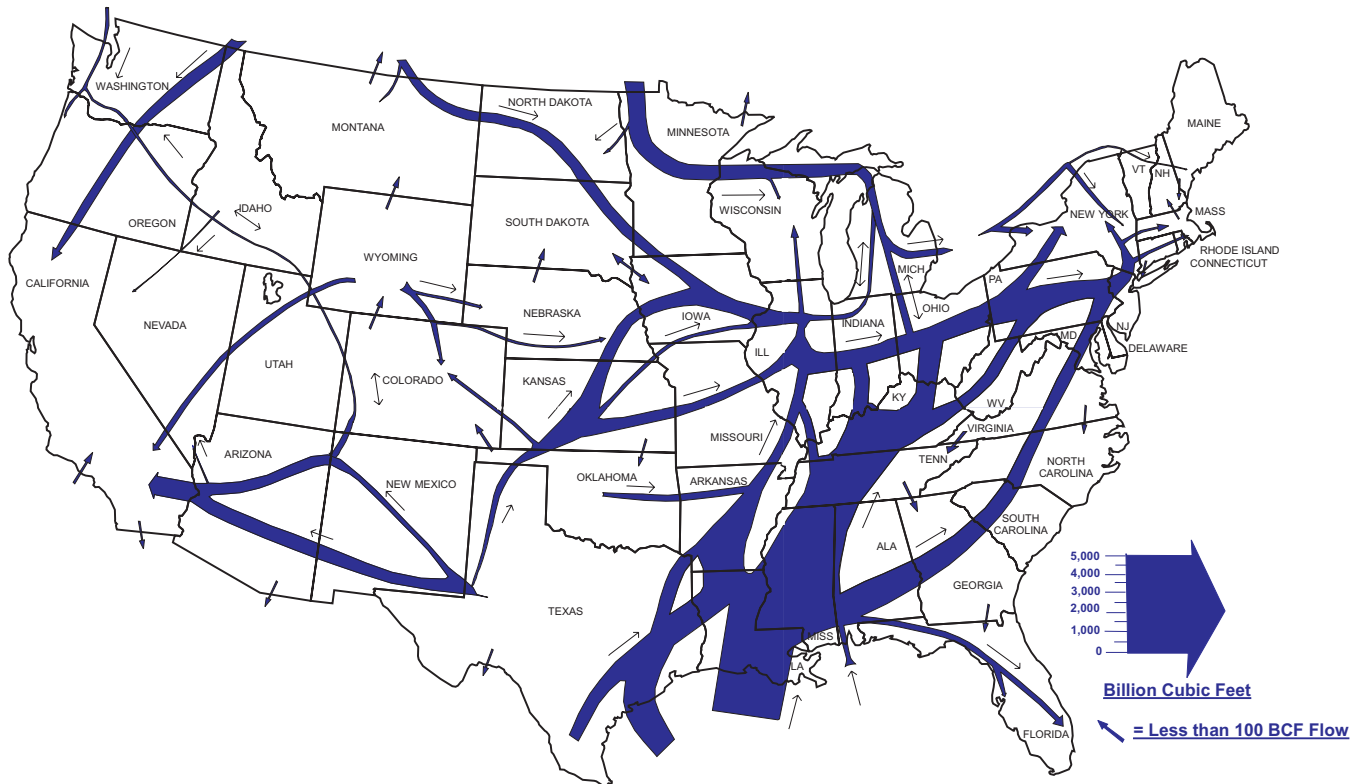
Interstate movements of natural gas provide an indication of market activities (Table 8):

- During the early and mid 1990's, in the western region of the United States, the amount of gas flowing to the California natural gas market decreased because of a

lessening in demand. This forced producers in the San Juan Basin of New Mexico/Colorado to redirect their expanding production to markets to the east, primarily through pipeline capacity increases on routes into the Waha area of west Texas and the several natural gas market centers located there. Market improvement in California in recent years, however, has brought about a reversal in that trend. Current interstate flows of gas out of the San Juan Basin show greater amounts of the basin's gas moving westward to California while the amount of gas flowing to west Texas out of the basin has fallen off substantially.

- Throughout the Northeast and Midwest regions, the level of interstate movements of natural gas in 1998 reflects the drop in consumption brought about by the milder winter temperatures that occurred in these two regions over the past several years. In almost all cases,

Figure 6. Principal Interstate Natural Gas Flow Summary, 1998



movements to and from every State in the two regions reflect a significant drop in throughput volumes.

- Over the past several years, coalbed gas production has been increasing in Wyoming and areas adjacent to the Rocky Mountains, and several pipelines have expanded to accommodate the growth in productive capacity. Interstate natural gas flows in 1998 in the several States in the region not only reflect the greater production but also the expanded pipeline capacity on such systems as the KN Interstate Pipeline (with its new Pony Express line) and the Trailblazer System, both completed during the latter months of 1997. These two pipelines bring gas from the Rocky Mountain area to markets from Denver to Chicago.

Imports and Exports

Highlights of the developments in natural gas import and export crossborder trade during 1998 are presented below. More detailed information, including monthly data, can be found in the Feature Article, "U.S. Natural Gas Imports and Exports-1998," which appeared in the August 1999 issue of the *Natural Gas Monthly*.

- During 1998, net imports of natural gas increased for the 12th consecutive year, accounting for 14 percent of 1998 U.S. natural gas consumption.
- Canada continued to be by far the primary supplier of imported gas. Canadian imports increased significantly in 1998, reaching 3.1 trillion cubic feet and accounting for 97 percent of total U.S. imports. With greater utilization of existing pipeline capacity and the completion of several pipeline expansions, imports from Canada grew by 5 percent from 1997 to 1998.
- The average price of imports from Canada dropped to \$1.95 per thousand cubic feet, 9 percent below the 1997 price of \$2.15 per thousand cubic feet. The decrease in Canadian import prices followed the trend in the U.S. wellhead prices. The 1998 wellhead price in the United States was 16 percent less than the 1997 price.
- Three pipeline expansion projects in 1998 added substantial amounts of new import capacity from Canada to the United States. The Great Lakes Gas Transmission expansion project, completed in November 1998, added 126 million cubic feet per day of firm transportation capacity. It extends from Manitoba, Canada, to St. Clair, Michigan. Northern Border's Chicago Project was completed in December 1998 and began flowing gas into the United States in 1999. This project increased capacity from the U.S. Canadian border at Port of Morgan, Montana, into Iowa by 700 million cubic feet per day and extended the Northern Border pipeline system from eastern Iowa into Illinois just south of Chicago. In the Northeast, the Iroquois Gas Transmission System added 35 million cubic feet per day of import capability.
- Natural gas exports to Canada fell to 40 billion cubic feet, a 29-percent decrease from the 1997 level. Over 90 percent of these exports crossed the border in Michigan. The average price was \$2.25 per thousand cubic feet, 11 percent less than the 1997 price. Exports to Canada represented 43 percent of total U.S. natural gas pipeline exports during 1998.
- The United States exported 53.1 billion cubic feet of natural gas to Mexico in 1998, the highest level since 1995. The price was \$2.04 per thousand cubic feet, 17 percent lower than in 1997. More than half of the exports to Mexico crossed the border at Clint, Texas, on the Samalayuca Pipeline, which began operations in December 1997. Exports of U.S. gas to Mexico primarily provide supplies to manufacturing/service industries and a growing number of electric generating plants in northern Mexico.
- Also during 1998, a small amount of liquefied natural gas (LNG), 33 million cubic feet, was exported to Mexico for the first time. The LNG originated at a new liquefaction, storage, and distribution facility near Topock, Arizona. It was sent to Sonora, Mexico, by truck and sold to industrial consumers.
- The United States imported 15 billion cubic feet of gas from Mexico, 16 percent less than in 1997. This drop in imports occurred despite a decline in price of 12 percent. Energy officials from Petroleos Mexicanos (PEMEX), the state-owned Mexican national energy company, indicated that they could have exported more but could not find shipping capacity available on the U.S. side of the border.
- Liquefied natural gas imports reached 85 billion cubic feet, the highest level since 1983 and 10 percent above the 1997 level. Algeria supplied 80 percent of the imports in 1998 under long-term agreements. The other 20 percent were spot purchases from Australia and the United Arab Emirates. The 1998 LNG imports accounted for 3 percent of all U.S. gas imports, but less than 1 percent of total U.S. gas consumption.

- The price of LNG imported from Algeria declined from 1997 to 1998 by 6 percent to \$2.51 per thousand cubic feet. The price of United Arab Emirates imports also decreased, by 30 percent, to \$2.63 per thousand cubic feet. In contrast, the price of Australian imports moved up 13 percent, from \$2.92 per thousand cubic feet in 1997 to an average \$3.30 in 1998.
- LNG is exported from southern Alaska to Japan under long-term agreements. During 1998, 66 billion cubic feet of LNG was exported, 6 percent more than in 1997. However, the price of these exports fell by 24 percent to \$2.91 per thousand cubic feet. The sharp drop in price is directly attributed to the overall decline in world oil prices, as the price of this LNG supply is based on the weighted average cost of all crude oil imported by Japan.¹

Storage

Natural gas storage activity is important to natural gas markets on a seasonal basis. For example, a period of unusually cold weather early in the heating season (November through March) may cause higher-than-usual withdrawals that can put upward pressure on wellhead prices. Data and analysis of monthly storage activities can be found in the Energy Information Administration's *Natural Gas Monthly*. Annual storage activities are included in the *Natural Gas Annual 1998* to provide the complete picture of supply and disposition of natural gas during the year. Data on activities at liquefied natural gas (LNG) storage facilities (Table 10) are only available on an annual basis, but LNG additions and withdrawals account for a very small amount (2 percent), of total storage activities during 1998. LNG is most commonly used by local distribution companies to meet periods of particularly high demand ("peak shaving") and is typically stored in above-ground facilities on site.

- Natural gas underground storage capacity at the end of 1998 was 8,179 billion cubic feet (Table 11). This is 153 billion cubic feet or 2 percent lower than at the end of 1997. Michigan continues to have the greatest capacity, with 1,022 billion cubic feet or 12 percent of the U.S. Total.
- Both Michigan and Montana increased their underground storage capacity by 29 billion cubic feet during 1998. This was a 3 percent increase for Michigan and an 8 percent increase for Montana. Also, two States that reported no underground storage capacity in 1997

¹ U.S. Department of Energy, Office of Fossil Energy, *Natural Gas Imports and Exports, Fourth Quarter Report 1998*, DOE/FE-0388 (March 1999), p. vii.

began new fields in 1998. Tennessee had one active field with 1 billion cubic feet of capacity and Virginia had two active fields with a total of 5 billion cubic feet of capacity.

Pipeline Expansions

During 1998, the interstate natural gas pipeline network continued to grow to meet the increasing demand for natural gas. At least 46 discrete natural gas pipeline projects were completed during the year, adding more than 7.6 billion cubic feet per day of new capacity to the national pipeline grid. The majority of this new capacity (57 percent) resulted from expansions and upgrades to existing pipeline systems, although 11 new pipeline systems, of varying sizes, were added to the nation's natural gas pipeline network. Pipeline development in the Gulf of Mexico represented the most sizeable regional addition of new capacity (2.6 billion cubic feet per day, 34 percent of all new capacity) as expansion of production resources necessitated the installation of new lines to bring additional supplies onshore.

Planned expansions for 1999-2000 would add approximately 3.1 billion cubic feet per day of Canadian export capacity, primarily into the U.S. Midwest and Northeast. These proposals are principally driven by the general increase in demand in U.S. markets in recent years and by Canadian natural gas producers seeking market outlets for their expanding production capabilities.

Some additional highlights of U.S. pipeline expansions are:

- The Northern Border Pipeline Company expansion project, the largest addition, was completed in December 1998. This 243-mile expansion will bring an additional 700 million cubic feet per day of capacity from Canada to markets in Montana and Iowa. As part of the project, the Northern Border Pipeline system was extended 200 miles to reach customers in the Chicago, Illinois, area, supplying them with up to 650 million cubic feet per day of new natural gas supplies.
- Several projects increased supplies out of the expanding coalbed gas production fields within Rocky Mountain region. The largest, the Colorado Interstate Pipeline Company's Campo Lateral, went into service in July 1998. This project consisted of a new 115-mile pipeline capable of flowing 100 million cubic feet per day from Trinidad, Colorado eastward to the Campo, Colorado area and to interconnections with several major interstate pipeline systems. Another, Public Service Company of Colorado's Front Range project, was completed in November 1998 and has the capability to move 269 million cubic feet per day along its 53-mile

length from Chalk Bluff, Colorado to Windsor, Colorado. Complementing the Front Range project was the completion of Wyoming Interstate Gas' System Expansion, which was accomplished by the installation of new compression, adding 52 million cubic feet per day of new capacity in central Wyoming.

- The largest single new pipeline project (in terms of capacity) completed in the United States in 1998 was the Destin Pipeline System. Placed in service in July 1998, this 230-mile pipeline system is capable of flowing up to 1 billion cubic feet per day from the deep-water Destin Dome area in the Gulf of Mexico onshore to interconnections with five interstate pipelines in Mississippi.
- The Portland Natural Gas Transmission System (PNGTS) project, originally scheduled to be in service by late 1998 but delayed until March 1999, is capable of importing up to 178 million cubic feet per day at the U.S./Canadian border near Pittsburgh, New Hampshire. The destination of the line is Westbrook, Maine, where it connects with the recently completed joint PNGTS/Maritimes and Northeast Pipeline located in

southeastern Maine. The Portland project replaces the existing Portland Pipeline, a reconditioned oil pipeline that is now being converted back to oil use.

- In 1999, supplies from Canada will be augmented with production from the Sable Island offshore project in the northern Atlantic. This project is seen as a change with potentially far-reaching consequences as it will be the first commercial production of natural gas from a major Atlantic field off North America. The Maritimes and Northeast Pipeline System will bring these gas supplies to New England beginning in November 1999. It will be capable of transporting up to 440 million cubic feet per day of gas.
- In 2000, the Alliance Pipeline, designed to bring rising levels of production from western Canada into the U.S. Midwest, will add 1.3 billion cubic feet per day of capacity. The terminus of the line will be south of Chicago, Illinois. This project is enhanced by its unique ability to ship "wet" natural gas, which is natural gas that has not been processed to remove hydrocarbon liquids. Capacity additions within the United States are also proposed for moving Canadian and domestic gas from the Midwest to the Northeast.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1998
(Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
Alabama	Florida	0	455,199	-455,199
	Georgia	0	1,511,671	-1,511,671
	Louisiana.....	0	b ₁	-1
	Mississippi.....	2,868,594	b*	2,868,594
	Oklahoma.....	0	b*	*
	South Carolina	0	b ₇	-7
	Tennessee	395	1,103,063	-1,102,668
	Texas	0	b ₁	-1
	Total	2,868,989	3,069,942	-200,953
Alaska	Japan	0	°65,951	-65,951
	Total	0	65,951	-65,951
Arizona	California.....	0	946,692	-946,692
	Mexico.....	0	4,166	-4,166
	Nevada.....	0	35,825	-35,825
	New Mexico	1,069,361	0	1,069,361
	Total	1,069,361	986,683	82,678
Arkansas	Louisiana.....	1,752,707	156,161	1,596,545
	Mississippi.....	0	1,659,451	-1,659,451
	Missouri.....	2,161	594,622	-592,462
	Oklahoma.....	312,540	202	312,338
	Texas	443,415	3,670	439,744
	Total	2,510,822	2,414,107	96,715
California	Arizona.....	946,692	0	946,692
	Mexico.....	0	2,067	-2,067
	Nevada.....	236,624	0	236,624
	Oregon	637,117	0	637,117
	Total	1,820,433	2,067	1,818,366
Colorado	Kansas	0	106,521	-106,521
	Nebraska.....	180,048	207,051	-27,003
	New Mexico	0	287,827	-287,827
	Oklahoma.....	3,926	57,878	-53,952
	Utah	82,073	17,500	64,574
	Wyoming.....	466,368	252,249	214,119
	Total	732,416	929,026	-196,610
Connecticut	Massachusetts.....	1,228	0	1,228
	New York	341,254	78,692	262,561
	Rhode Island.....	0	148,952	-148,952
	Total	342,482	227,644	114,837
Delaware	Maryland.....	0	3,308	-3,308
	Pennsylvania.....	40,057	0	40,057
	Total	40,057	3,308	36,749
District of Columbia	Maryland	11,135	0	11,135
	Virginia	20,029	0	20,029
	Total	31,164	0	31,164

See footnotes at end of table.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1998
(Continued)
(Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
Florida	Alabama	455,199	0	455,199
	Georgia	17,434	0	17,434
	Total	472,632	0	472,632
Georgia	Alabama	1,511,671	0	1,511,671
	Florida	0	17,434	-17,434
	South Carolina	0	1,091,913	-1,091,913
	Tennessee	0	7,500	-7,500
	Total	1,511,671	1,116,847	394,824
Idaho	Canada	879,840	0	879,840
	Nevada	0	43,092	-43,092
	Oregon	103,240	0	103,240
	Utah	148	0	148
	Washington	76	892,007	-891,931
	Total	983,304	935,098	48,205
Illinois	Indiana	76,515	1,030,674	-954,160
	Iowa	832,177	28,133	804,044
	Kentucky	355,850	0	355,850
	Missouri	831,469	0	831,469
	Wisconsin	65,820	162,529	-96,709
	Total	2,161,831	1,221,336	940,495
Indiana	Illinois	1,030,674	76,515	954,160
	Kentucky	793,968	0	793,968
	Michigan	21,530	368,236	-346,706
	Ohio	22,938	883,606	-860,668
	Total	1,869,111	1,328,356	540,755
Iowa	Illinois	28,133	832,177	-804,044
	Minnesota	530,154	192,518	337,636
	Missouri	218,644	0	218,644
	Nebraska	515,531	0	515,531
	South Dakota	238	5	233
	Total	1,292,698	1,024,700	267,998
Kansas	Colorado	106,521	0	106,521
	Missouri	0	474,343	-474,343
	Nebraska	58,670	676,817	-618,147
	Oklahoma	905,739	651	905,088
	Total	1,070,930	1,151,812	-80,882
Kentucky	Illinois	0	355,850	-355,850
	Indiana	0	793,968	-793,968
	Ohio	4,611	1,005,985	-1,001,373
	Tennessee	3,058,358	0	3,058,358
	West Virginia	0	720,373	-720,373
	Total	3,062,969	2,876,176	186,793
Louisiana	Alabama	^b 1	0	1
	Algeria	^c 30,561	0	30,561
	Arkansas	156,161	1,752,707	-1,596,545
	Australia	^e 7,110	0	7,110
	Mississippi	303	3,437,603	-3,437,300

See footnotes at end of table.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1998
(Continued)
 (Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
	Texas	1,515,814	24,635	1,491,179
	United Arab Emirates.....	^c 5,252	0	5,252
	Total	1,715,202	5,214,945	-3,499,743
Maine	Massachusetts	^b 6	0	6
	New Hampshire	5,728	0	5,728
	Total	5,734	0	5,734
Maryland	Delaware.....	3,308	0	3,308
	District of Columbia.....	0	11,135	-11,135
	Pennsylvania.....	45,978	681,056	-635,078
	Virginia.....	845,244	21,886	823,358
	Total	894,531	714,077	180,453
Massachusetts	Algeria.....	^c 38,007	0	38,007
	Australia.....	^c 4,524	0	4,524
	Connecticut.....	0	1,228	-1,228
	Maine.....	0	^b 6	-6
	New Hampshire.....	0	18,774	-18,774
	New York.....	244,052	0	244,052
	Rhode Island.....	106,096	52,351	53,745
	Total	392,679	72,360	320,320
Michigan	Canada.....	47,343	499,144	-451,801
	Indiana.....	368,236	21,530	346,706
	Ohio.....	198,704	0	198,704
	Wisconsin.....	739,478	129,211	610,267
	Total	1,353,760	649,885	703,875
Minnesota	Canada.....	956,733	0	956,733
	Iowa.....	192,518	530,154	-337,636
	North Dakota.....	0	10,796	-10,796
	South Dakota.....	598,004	0	598,004
	Wisconsin.....	595	876,281	-875,686
	Total	1,747,850	1,417,230	330,620
Mississippi	Alabama.....	^{b*}	2,868,594	-2,868,594
	Arkansas.....	1,659,451	0	1,659,451
	Louisiana.....	3,437,603	303	3,437,300
	Tennessee.....	1,051	2,217,587	-2,216,536
	Total	5,098,105	5,086,484	11,621
Missouri	Arkansas.....	594,622	2,161	592,462
	Illinois.....	0	831,469	-831,469
	Iowa.....	0	218,644	-218,644
	Kansas.....	474,343	0	474,343
	Nebraska.....	221,512	0	221,512
	Total	1,290,478	1,052,273	238,205
Montana	Canada.....	580,548	0	580,548
	North Dakota.....	10,304	567,489	-557,185
	South Dakota.....	0	4,908	-4,908
	Wyoming.....	6,106	246	5,859
	Total	596,958	572,643	24,315

See footnotes at end of table.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1998
(Continued)
(Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
Nebraska				
	Colorado	207,051	180,048	27,003
	Iowa	0	515,531	-515,531
	Kansas	676,817	58,670	618,147
	Missouri	0	221,512	-221,512
	South Dakota	0	12,210	-12,210
	Wyoming	257,640	0	257,640
	Total	1,141,508	987,971	153,537
Nevada				
	Arizona	35,825	0	35,825
	California	0	236,624	-236,624
	Idaho	43,092	0	43,092
	Utah	278,778	0	278,778
	Total	357,695	236,624	121,071
New Hampshire				
	Maine	0	5,728	-5,728
	Massachusetts	18,774	0	18,774
	Vermont	11,319	0	11,319
	Total	30,093	5,728	24,365
New Jersey				
	New York	0	630,054	-630,054
	Pennsylvania	1,154,761	0	1,154,761
	Total	1,154,761	630,054	524,708
New Mexico				
	Arizona	0	1,069,361	-1,069,361
	Colorado	287,827	0	287,827
	Texas	4,470	389,821	-385,351
	Total	292,297	1,459,182	-1,166,885
New York				
	Canada	666,256	0	666,256
	Connecticut	78,692	341,254	-262,561
	Massachusetts	0	244,052	-244,052
	New Jersey	630,054	0	630,054
	Pennsylvania	333,540	101,576	231,964
	Total	1,708,542	686,882	1,021,660
North Carolina				
	South Carolina	957,525	0	957,525
	Virginia	5,019	721,564	-716,545
	Total	962,544	721,564	240,980
North Dakota				
	Canada	9,268	0	9,268
	Minnesota	10,796	0	10,796
	Montana	567,489	10,304	557,185
	South Dakota	0	616,740	-616,740
	Total	587,553	627,044	-39,491
Ohio				
	Indiana	883,606	22,938	860,668
	Kentucky	1,005,985	4,611	1,001,373
	Michigan	0	198,704	-198,704
	Pennsylvania	7,911	409,375	-401,464
	West Virginia	210,788	705,933	-495,145
	Total	2,108,289	1,341,561	766,728

See footnotes at end of table.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1998
(Continued)
(Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
Oklahoma				
	Alabama.....	b*	0	*
	Arkansas.....	202	312,540	-312,338
	Colorado.....	57,878	3,926	53,952
	Kansas.....	651	905,739	-905,088
	Texas.....	598,571	316,414	282,157
	Total.....	657,304	1,538,619	-881,316
Oregon				
	California.....	0	637,117	-637,117
	Idaho.....	0	103,240	-103,240
	Washington.....	957,810	76	957,734
	Total.....	957,810	740,433	217,378
Pennsylvania				
	Delaware.....	0	40,057	-40,057
	Maryland.....	681,056	45,978	635,078
	New Jersey.....	0	1,154,761	-1,154,761
	New York.....	101,576	333,540	-231,964
	Ohio.....	409,375	7,911	401,464
	West Virginia.....	1,011,395	8,907	1,002,488
	Total.....	2,203,403	1,591,154	612,248
Rhode Island				
	Connecticut.....	148,952	0	148,952
	Massachusetts.....	52,351	106,096	-53,745
	Total.....	201,303	106,096	95,207
South Carolina				
	Alabama.....	b7	0	7
	Georgia.....	1,091,913	0	1,091,913
	North Carolina.....	0	957,525	-957,525
	Total.....	1,091,920	957,525	134,395
South Dakota				
	Iowa.....	5	238	-233
	Minnesota.....	0	598,004	-598,004
	Montana.....	4,908	0	4,908
	Nebraska.....	12,210	0	12,210
	North Dakota.....	616,740	0	616,740
	Wyoming.....	0	231	-231
	Total.....	633,863	598,472	35,390
Tennessee				
	Alabama.....	1,103,063	395	1,102,668
	Georgia.....	7,500	0	7,500
	Kentucky.....	0	3,058,358	-3,058,358
	Mississippi.....	2,217,587	1,051	2,216,536
	Virginia.....	0	181	-181
	Total.....	3,328,150	3,059,985	268,165
Texas				
	Alabama.....	b1	0	1
	Arkansas.....	3,670	443,415	-439,744
	Louisiana.....	24,635	1,515,814	-1,491,179
	Mexico.....	14,532	46,933	-32,401
	New Mexico.....	389,821	4,470	385,351
	Oklahoma.....	316,414	598,571	-282,157
	Total.....	749,073	2,609,203	-1,860,129
Utah				
	Colorado.....	17,500	82,073	-64,574
	Idaho.....	0	148	-148
	Nevada.....	0	278,778	-278,778

See footnotes at end of table.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1998
(Continued)
 (Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
	Wyoming	402,512	15,225	387,288
	Total	420,012	376,224	43,788
Vermont	Canada	18,998	0	18,998
	New Hampshire	0	11,319	-11,319
	Total	18,998	11,319	7,679
Virginia	District of Columbia	0	20,029	-20,029
	Maryland	21,886	845,244	-823,358
	North Carolina	721,564	5,019	716,545
	Tennessee	181	0	181
	West Virginia	348,206	2,259	345,947
	Total	1,091,838	872,552	219,286
Washington	Canada	374,666	208	374,458
	Idaho	892,007	76	891,931
	Oregon	76	957,810	-957,734
	Total	1,266,748	958,094	308,654
West Virginia	Kentucky	720,373	0	720,373
	Ohio	705,933	210,788	495,145
	Pennsylvania	8,907	1,011,395	-1,002,488
	Virginia	2,259	348,206	-345,947
	Total	1,437,472	1,570,388	-132,917
Wisconsin	Illinois	162,529	65,820	96,709
	Michigan	129,211	739,478	-610,267
	Minnesota	876,281	595	875,686
	Total	1,168,021	805,893	362,128
Wyoming	Colorado	252,249	466,368	-214,119
	Montana	246	6,106	-5,859
	Nebraska	0	257,640	-257,640
	South Dakota	231	0	231
	Utah	15,225	402,512	-387,288
	Total	267,950	1,132,626	-864,676
	Total Natural Gas Movements	58,773,312	55,758,142	3,015,170
	Movements Across U.S. Borders	^d 3,633,638	^e 618,468	3,015,170
	U.S. Interstate Movements	55,139,674	55,139,674	0

* = Volume is less than 500,000 cubic feet.

^a Positive numbers denote net receipts; negative numbers denote net deliveries.

^b Natural gas transported by truck either as liquefied natural gas (LNG) or compressed natural gas (CNG).

^c LNG transported by ship.

^d Volumes include 3,152,058 million cubic feet of imports from Mexico, Algeria, United Arab Emirates, Australia, and Canada, and 481,581 million cubic feet of intransit

receipts from Canada.

^e Volumes include 159,007 million cubic feet of exports to Japan, Mexico, and Canada, and 459,461 million cubic feet of intransit natural gas deliveries to Canada.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."



Interstate Movements of Natural Gas in the United States, 1998
(Volumes Reported in Million Cubic Feet)

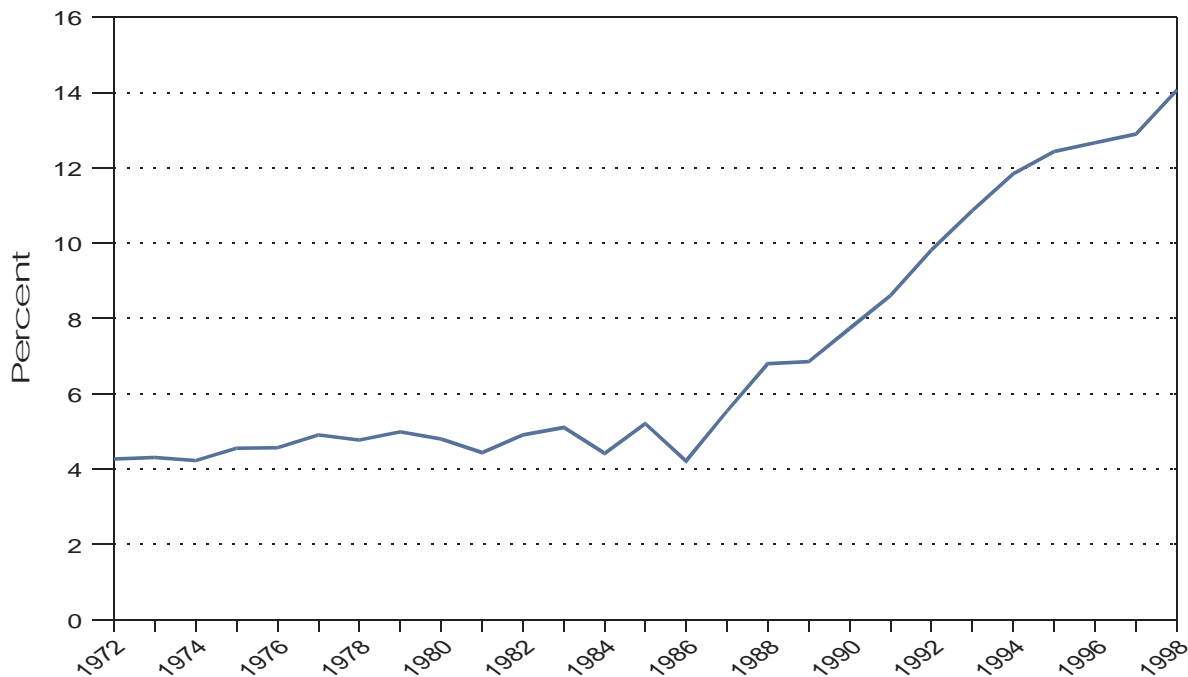


Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Web Site for the Energy Information Administration: <http://www.eia.doe.gov>

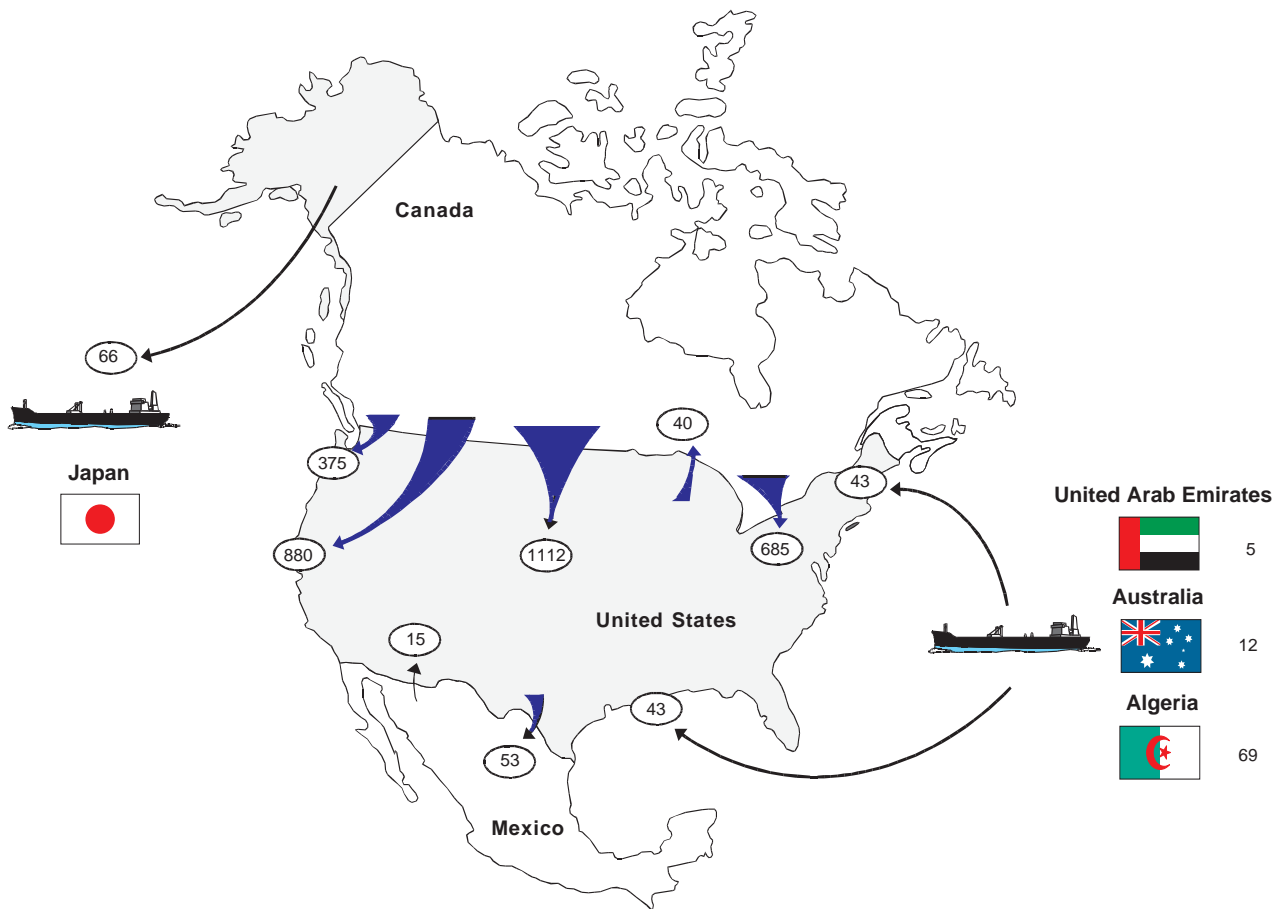
Energy Information Administration / Natural Gas Annual 1998

Figure 7. Net Imports as a Percentage of Total Consumption of Natural Gas, 1972-1998



Sources: 1972-1975: Bureau of Mines, *Minerals Yearbook*, "Natural Gas" chapter. 1976-1978: Energy Information Administration (EIA), Energy Data Reports, *Natural Gas Annual*. 1979: EIA, *Natural Gas Production 1979*. 1980-1989: EIA, Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-759, "Monthly Power Plant Report"; and Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas"; 1990: EIA, Form EIA-176, Form EIA-759, Form FPC-14, and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; 1991-1994: EIA, Form EIA-176, Form EIA-759, Form FPC-14, Form EIA-64A, and Form EIA-627, "Annual Quantity and Value of Natural Gas Report"; 1995: EIA, Form EIA-176, Form EIA-759, Form EIA-64A, Form EIA-627, and Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*; 1996 through 1998: EIA, Form EIA-176, Form EIA-759, Form EIA-64A, Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," and Office of Fossil Energy.

Figure 8. Flow of Natural Gas Imports and Exports, 1998
(Billion Cubic Feet)



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

Table 9. Summary of U.S. Natural Gas Imports and Exports, 1994-1998

	1994	1995	1996	1997	1998
Imports					
Volume (million cubic feet)					
Pipeline					
Canada.....	2,566,049	2,816,408	2,883,277	2,899,152	3,052,073
Mexico.....	7,013	6,722	13,862	17,243	14,532
Total Pipeline Imports.....	2,573,061	2,823,130	2,897,138	2,916,394	3,066,605
LNG					
Algeria.....	50,778	17,918	35,325	65,675	68,567
Australia.....	0	0	0	9,686	11,634
United Arab Emirates.....	0	0	4,949	2,417	5,252
Total LNG Imports.....	50,778	17,918	40,274	77,778	85,453
Total Imports.....	2,623,839	2,841,048	2,937,413	2,994,173	3,152,058
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada.....	1.86	1.48	1.96	2.15	1.95
Mexico.....	1.99	1.53	2.25	2.31	2.03
Total Pipeline Imports.....	1.86	1.48	1.96	2.15	1.95
LNG					
Algeria.....	2.28	2.30	2.70	2.67	2.51
Australia.....	—	—	—	2.92	3.30
United Arab Emirates.....	—	—	3.46	3.74	2.63
Total LNG Imports.....	2.28	2.30	2.80	2.74	2.63
Total Imports.....	1.87	1.49	1.97	2.17	1.97
Exports					
Volume (million cubic feet)					
Pipeline					
Canada.....	52,556	27,554	51,905	56,447	39,891
Mexico.....	46,500	61,283	33,840	38,372	53,133
Total Pipeline Exports.....	99,057	88,836	85,745	94,818	93,023
LNG					
Japan.....	62,682	65,283	67,648	62,187	65,951
Mexico.....	0	0	0	0	33
Total LNG Exports.....	62,682	65,283	67,648	62,187	65,984
Total Exports.....	161,738	154,119	153,393	157,006	159,007
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada.....	2.42	1.96	2.67	2.52	2.25
Mexico.....	1.68	1.50	2.11	2.46	2.04
Total Pipeline Exports.....	2.08	1.64	2.45	2.49	2.13
LNG					
Japan.....	3.18	3.41	3.65	3.83	2.91
Mexico.....	—	—	—	—	5.69
Total LNG Exports.....	3.18	3.41	3.65	3.83	2.91
Total Exports.....	2.50	2.39	2.97	3.02	2.45

— = Not applicable.

Notes: Prices for LNG imports are reported as "landed," received at the terminal, or "tailgate," after regasification at the terminal. Generally the reporting of LNG import prices varies by point of entry, and the average prices are calculated from a combination of both types of prices. The price of LNG exports to Japan is the "landed" price, defined as received at the terminal in Japan. Details concerning the reporting of LNG prices are given in the Special Report, "U.S. Natural Gas Imports and Exports - 1998," in the August 1999 issue of the *Natural Gas Monthly*. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994), and Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998).

Table 10. Additions to and Withdrawals from Gas Storage by State, 1998
(Million Cubic Feet)

State	Underground Storage			LNG Storage			Net Change in Storage
	Injections	Withdrawals	Net	Additions	Withdrawals	Net	
Alabama.....	2,220	1,774	447	501	469	32	478
Arkansas.....	6,951	5,178	1,774	64	62	2	1,776
California.....	172,343	131,374	40,969	37	150	-114	40,855
Colorado.....	39,789	34,717	5,072	0	0	0	5,072
Connecticut.....	0	0	0	447	381	66	66
Delaware.....	0	0	0	77	70	8	8
Georgia.....	0	0	0	1,760	2,458	-698	-698
Idaho.....	0	0	0	776	1,236	-460	-460
Illinois.....	225,089	215,309	9,780	60	410	-351	9,430
Indiana.....	22,034	21,113	921	1,589	1,102	486	1,407
Iowa.....	70,001	67,047	2,954	1,269	989	280	3,234
Kansas.....	117,235	98,402	18,833	0	0	0	18,833
Kentucky.....	65,267	53,567	11,700	0	0	0	11,700
Louisiana.....	321,681	238,821	82,860	30,385	16,515	13,871	96,731
Maine.....	0	0	0	61	44	17	17
Maryland.....	14,627	13,751	876	813	29	785	1,660
Massachusetts.....	0	0	0	2,712	9,955	-7,243	-7,243
Michigan.....	391,041	316,201	74,840	0	0	0	74,840
Minnesota.....	1,291	1,663	-372	1,233	1,269	-36	-408
Mississippi.....	69,268	59,083	10,185	0	0	0	10,185
Missouri.....	2,670	2,843	-173	0	0	0	-173
Montana.....	23,876	23,476	400	0	0	0	400
Nebraska.....	5,264	6,730	-1,466	0	351	-351	-1,817
Nevada.....	0	0	0	92	124	-31	-31
New Jersey.....	0	0	0	4,922	4,305	617	617
New Mexico.....	16,821	10,342	6,479	0	0	0	6,479
New York.....	63,298	52,642	10,656	318	260	58	10,715
North Carolina.....	0	0	0	1,286	1,083	203	203
Ohio.....	191,831	165,159	26,672	0	0	0	26,672
Oklahoma.....	165,631	117,623	48,008	0	0	0	48,008
Oregon.....	5,673	4,395	1,278	757	1,014	-256	1,022
Pennsylvania.....	328,118	288,109	40,009	5,092	4,559	533	40,541
Rhode Island.....	0	0	0	102	851	-749	-749
South Carolina.....	0	0	0	56	406	-350	-350
South Dakota.....	0	0	0	44	53	-9	-9
Tennessee.....	453	391	62	1,816	3,562	-1,746	-1,684
Texas.....	344,461	242,343	102,118	0	0	0	102,118
Utah.....	23,744	24,420	-676	0	0	0	-676
Virginia.....	2,369	1,859	510	632	774	-142	368
Washington.....	23,136	22,597	539	902	1,779	-877	-338
West Virginia.....	172,191	143,924	28,267	0	0	0	28,267
Wisconsin.....	0	0	0	85	106	-21	-21
Wyoming.....	15,212	12,493	2,719	0	0	0	2,719
Total.....	2,903,585	2,377,344	526,241	57,887	54,365	3,522	529,763

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

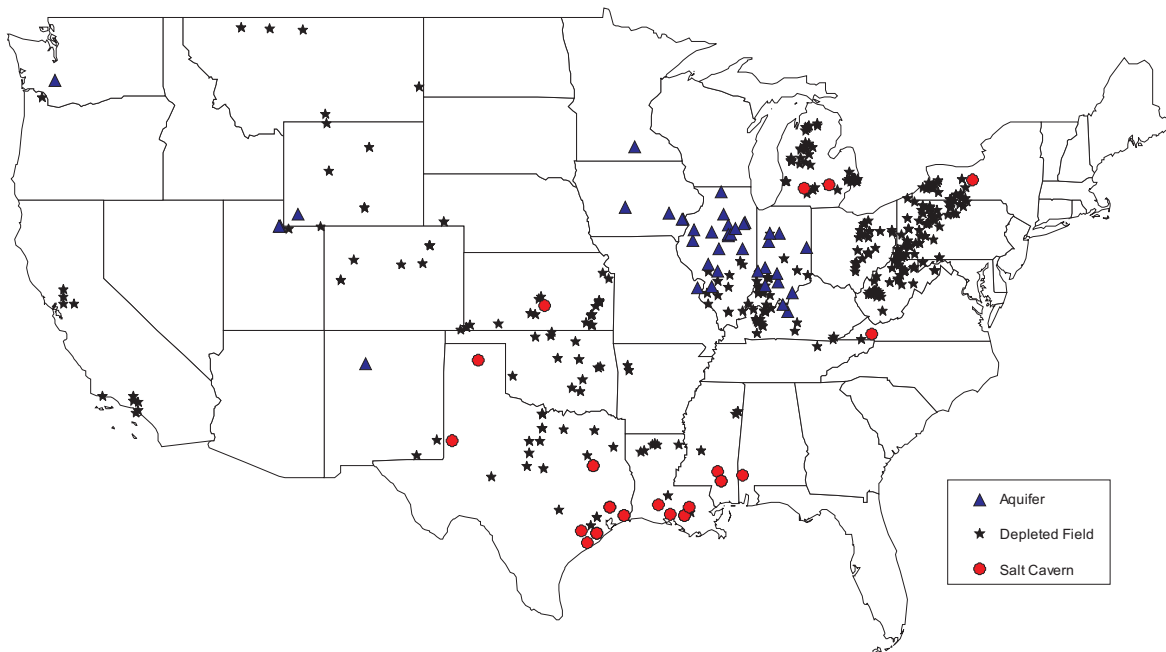
Table 11. Underground Natural Gas Storage Capacity by State, December 31, 1998
(Capacity in Billion Cubic Feet)

State	Interstate Companies		Intrastate Companies		Independent Companies		Total		
	Number of Active Fields	Capacity	Number of Active Fields	Capacity	Number of Active Fields	Capacity	Number of Active Fields	Capacity	Percent of U.S. Capacity
Alabama.....	0	0	1	3	0	0	1	3	0.04
Arkansas.....	0	0	2	24	0	0	2	24	0.30
California.....	0	0	9	388	0	0	9	388	4.75
Colorado.....	4	66	5	34	0	0	9	100	1.22
Illinois.....	6	259	24	639	0	0	30	899	10.99
Indiana.....	6	16	22	97	0	0	28	113	1.38
Iowa.....	4	273	0	0	0	0	4	273	3.34
Kansas.....	16	294	2	8	0	0	18	301	3.68
Kentucky.....	6	167	19	53	0	0	25	220	2.69
Louisiana.....	8	530	5	33	0	0	13	564	6.89
Maryland.....	1	62	0	0	0	0	1	62	0.76
Michigan.....	30	779	18	242	0	0	48	1,022	12.49
Minnesota.....	0	0	1	7	0	0	1	7	0.09
Mississippi.....	3	121	4	13	0	0	7	134	1.64
Missouri.....	0	0	1	31	0	0	1	31	0.38
Montana.....	1	287	4	84	0	0	5	372	4.54
Nebraska.....	1	39	0	0	0	0	1	39	0.48
New Mexico.....	1	69	2	28	0	0	3	97	1.18
New York.....	20	165	2	10	0	0	22	175	2.14
Ohio.....	15	392	8	183	0	0	23	575	7.03
Oklahoma.....	6	213	3	57	4	124	13	395	4.83
Oregon.....	0	0	3	12	0	0	3	12	0.14
Pennsylvania.....	34	624	18	38	7	23	59	685	8.37
Tennessee.....	0	0	1	1	0	0	1	1	0.02
Texas.....	10	240	23	442	1	3	34	684	8.37
Utah.....	3	122	0	0	0	0	3	122	1.49
Virginia.....	0	0	2	5	0	0	2	5	0.06
Washington.....	1	37	0	0	0	0	1	37	0.46
West Virginia.....	26	692	0	0	10	41	36	733	8.96
Wyoming.....	3	76	4	30	0	0	7	106	1.29
Total.....	205	5,525	183	2,462	22	191	410	8,179	100.00

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA), Form EIA-191, "Underground Gas Storage Report."

Figure 9. Locations of Existing Natural Gas Underground Storage Fields in the United States



Source: Energy Information Administration (EIA), Form EIA-191, "Underground Gas Storage Report."

Table 12. Supplemental Gas Supplies by State, 1998
(Million Cubic Feet)

State	Synthetic Natural Gas	Propane-Air	Refinery Gas	Biomass Gas	Other	Total
Alabama	0	2	0	0	0	2
Colorado	0	6	0	0	^a 5,285	5,292
Connecticut	0	33	0	0	0	33
Georgia	0	16	0	0	0	16
Hawaii	2,715	0	0	0	0	2,715
Illinois	0	50	2,686	0	0	2,736
Indiana	0	716	0	0	^b 2,433	3,149
Iowa	0	17	0	0	0	17
Kentucky	0	2	0	0	0	2
Maine	0	24	0	0	0	24
Maryland	0	80	0	0	0	80
Massachusetts	0	68	0	0	0	68
Michigan	0	0	0	0	^c 21,967	21,967
Minnesota	0	50	0	0	0	50
Missouri	0	40	0	0	0	40
Nebraska	0	11	0	0	0	11
New Hampshire	0	103	0	0	0	103
New Jersey	0	0	8,214	869	0	9,082
New York	0	7	0	692	0	699
North Dakota	54,672	0	0	0	0	54,672
Ohio	0	24	0	1,170	0	1,194
Oregon	0	2	0	0	0	2
Pennsylvania	0	80	0	0	0	80
Rhode Island	0	1	0	0	0	1
South Dakota	0	4	0	0	0	4
Tennessee	0	4	0	0	0	4
Virginia	0	148	0	0	0	148
Total	57,387	1,488	10,900	2,731	29,685	102,189

^a Air injection for Btu stabilization.

^b Coke oven gas.

^c Blast furnace gas.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Consumption

Total natural gas consumption declined during 1998 to 21.3 trillion cubic feet, 3 percent below the 1997 and 1996 levels. Warmer-than-normal winter temperatures in 1998 reduced the demand for natural gas for space heating in the residential and commercial sectors. These declines during 1998 were partially offset by the increase in natural gas consumption by electric utilities. Since 1992, natural gas has accounted for nearly one-quarter of total energy consumption in the United States.

- The residential sector had the largest decline (463 billion cubic feet) in natural gas demand with 4.5 trillion cubic feet consumed, down 9 percent from the 1997 level and down 14 percent from the 1996 level. Much of the decline may be attributed to warmer-than-normal temperatures during the heating season (November through March) and the effects from El Nino in the Pacific region during 1998. These warmer temperatures resulted in reduced demand for space-heating, which is the primary use of natural gas in the residential sector.
- Commercial consumption of natural gas in 1998 was 3.0 trillion cubic feet, a decline of 7 percent from the

historical high of 3.2 trillion cubic feet in 1997. Like the residential sector, the decline in commercial consumption can be attributed to warmer temperatures that resulted in reduced space-heating demand.

- During 1998, natural gas consumption by the industrial sector declined to 8.7 trillion cubic feet, 2 percent below the 1997 level. Deliveries of natural gas to industrial consumers, which include deliveries to nonutilities, represent 45 percent of total deliveries to all natural gas consumers, making this sector the leading consuming sector. The decline in industrial consumption occurred despite a general upswing in the economy. Although output for the nation as a whole increased, production in the few specific manufacturing groups that are intensive natural gas consumers for either process fuel or feedstock uses increased at a much lower rate from 1997 to 1998 or declined.¹

¹Energy Information Administration, derived from indices of industrial output by Standard Industrial Classification code from Board of Governors of the Federal Reserve System.

Cautionary Note: Numbers of Residential Consumers

The Energy Information Administration (EIA) expects that there may be some double counting in the number of residential users reported for 1998, specifically that some residential customers were reported as both sales and transportation customers.

To collect data for the number of residential consumers, EIA currently surveys companies that deliver gas to consumers. Traditionally, residential customers have obtained the gas commodity and all services associated with delivering it from their local distribution company (LDC). The LDC records these customers as sales customers. Customer choice programs allow consumers to select the provider from whom they purchase gas. When customers elect to purchase gas from a provider other than the LDC, the LDC continues to deliver the gas to the household, even though it no longer sells the gas. The LDC records these customers as transportation customers. A residential customer who entered a customer choice program during 1998 would have been classified early in the year as a traditional sales customer and again later in the year as a transportation customer. This double reporting affects the number of residential consumers and the average annual residential consumption per consumer shown in the *Natural Gas Annual*.

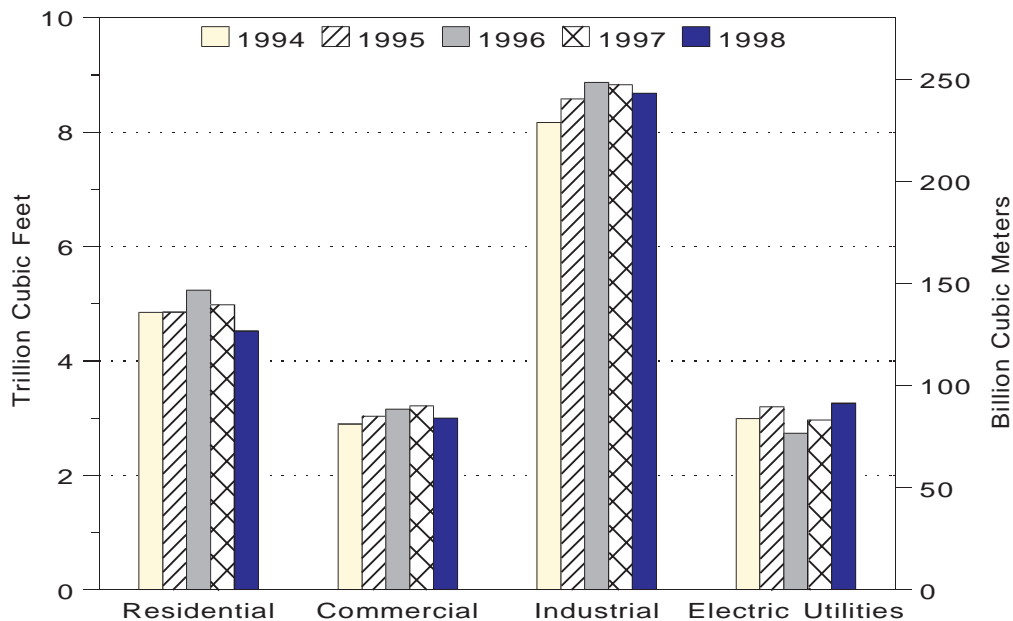
To help readers evaluate the problem of double reporting, Table A7 is provided in Appendix A, "Summary of Data Collection Operations and Report Methodology." It lists residential customers by sales and transportation, known as "deliveries for the account of others," for 1997 and 1998. Appendix A also includes the survey Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." Numbers of residential customers are reported on this form for both sales and transportation classifications.

Various customer choice programs, also known as retail unbundling programs, were implemented in many States during 1998. A description of these programs by individual State is on the EIA web site at: www.eia.doe.gov/oil_gas/natural_gas/restructure/restructure.html.

- Regulated utilities began to sell their electric generation operations to nonregulated power producers in 1998. Fifty were sold during the year, with a relatively large number fueled by natural gas. It is anticipated that this is the beginning of a trend that will continue as the restructuring of the electric utility industry proceeds. Natural gas consumption at these facilities was previously included in electric utility consumption but is now included in industrial consumption. The inclusion of nonutility gas consumption in the industrial sector somewhat offset the decline in consumption by manufacturing groups that are intensive natural gas users.
- Natural gas deliveries to electric utilities rose by 290 billion cubic feet to 3.3 trillion cubic feet, 10 percent

above the 1997 level. Sustained periods of very high summer temperatures in the Southwest region, particularly in Texas, contributed greatly to the increased demand for gas by electric utilities primarily to meet air-conditioning demand which peaks in July and August. Nationally, Texas accounted for 38 percent of the natural gas consumed by this sector in 1998, followed by Louisiana with 10 percent. The use of natural gas by electric utilities generally serves to meet peak demand periods. Electric utilities were the only consuming sector to have an increase in natural gas deliveries from 1997 to 1998.

Figure 10. Natural Gas Delivered to Consumers in the United States, 1994-1998



Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition", and Form EIA-759, "Monthly Power Plant Report."

Table 13. Consumption of Natural Gas by State, 1994-1998
(Million Cubic Feet)

Year and State	Delivered to Consumers	Lease Fuel	Plant Fuel	Pipeline Fuel	Total Consumption
1994 Total	18,898,635	699,842	423,878	685,362	20,707,717
1995 Total	19,660,161	792,315	427,853	700,335	21,580,665
1996 Total	20,005,508	^R 799,629	450,033	711,446	^R 21,966,616
1997 Total	^R 20,004,012	^R 776,306	426,873	^R 751,470	^R 21,958,660
1998 Total	19,469,047	756,184	401,314	635,477	21,262,023
Alabama	298,102	7,650	2,391	19,948	328,091
Alaska	147,426	242,271	39,601	5,564	434,862
Arizona	134,871	46	0	19,585	154,502
Arkansas	254,142	7,980	405	10,192	272,719
California	1,933,371	68,370	4,511	8,587	2,014,839
Colorado	271,849	18,874	12,200	9,240	312,163
Connecticut	120,955	0	0	833	121,788
D.C.	30,115	0	0	256	30,371
Delaware	40,769	0	0	15	40,785
Florida	460,082	2,200	129	3,830	466,241
Georgia	349,701	0	0	7,606	357,307
Hawaii	2,654	0	0	0	2,654
Idaho	62,018	0	0	5,496	67,514
Illinois	944,563	^a 5	84	12,995	957,647
Indiana	513,375	^a 13	0	7,327	520,715
Iowa	223,826	0	0	8,770	232,596
Kansas	260,044	^a 13	20,921	32,902	313,880
Kentucky	186,990	^a 1,777	548	15,750	205,065
Louisiana	1,312,174	133,019	63,368	60,400	1,568,961
Maine.....	5,663	0	0	0	5,663
Maryland	176,323	^a 1	0	2,968	179,293
Massachusetts	335,874	0	0	1,903	337,778
Michigan	813,457	^a 6,160	3,073	20,733	843,423
Minnesota	305,174	0	0	20,095	325,269
Mississippi	201,209	3,347	363	36,329	241,248
Missouri.....	253,682	0	0	5,495	259,177
Montana	54,071	1,792	208	3,746	59,817
Nebraska	127,779	^a 37	0	2,853	130,669
Nevada	142,970	9	0	782	143,761
New Hampshire.....	19,103	0	0	22	19,125
New Jersey	579,099	0	0	2,700	581,799
New Mexico.....	127,354	17,728	41,926	52,424	239,432
New York.....	1,135,250	636	0	7,317	1,143,203
North Carolina	206,129	0	0	6,666	212,795
North Dakota	40,782	3,838	4,471	413	49,504
Ohio.....	794,255	1,085	40	17,641	813,022
Oklahoma.....	483,117	^a 35,509	26,034	24,242	568,902
Oregon	192,094	0	0	13,345	205,439
Pennsylvania.....	587,218	^a 1,484	222	32,532	621,456
Rhode Island	85,811	0	0	336	86,147
South Carolina	153,476	0	0	3,163	156,639
South Dakota	29,383	848	0	2,805	33,036
Tennessee	263,778	^a 31	0	16,440	280,249
Texas.....	3,634,920	173,394	153,966	65,800	4,028,080
Utah.....	139,380	19,481	7,985	2,788	169,634
Vermont.....	7,726	0	0	8	7,734
Virginia	234,692	^a 1,243	0	6,856	242,792
Washington	254,067	0	0	9,087	263,153
West Virginia	104,879	^a 3,865	2,344	30,868	141,957
Wisconsin	355,650	0	0	4,284	359,934
Wyoming	77,656	3,477	16,524	11,535	109,193

^a Lease fuel quantities were estimated by assuming that the proportions of on-system production used as lease fuel by respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," were the same as the proportions of gross withdrawals as reported on Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," used as lease by all operators. Form EIA-176 respondents reported on-system production totaling 37 percent of gross withdrawals in Alaska and 4.0 percent of gross withdrawals in the lower 48 states (excluding California). The average ratios of volumes "Used in well, lease, and field operations" to "Company-owned natural gas produced on-system" computed from Form EIA-176 responses were .02432 for Alaska and .02171 for the lower 48 states. Those ratios were applied to gross with-

drawals from all states, where lease fuel was applicable, that did not report lease fuel use on the Form EIA-895.

^R = Revised data.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA), Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; and Form EIA-759, "Monthly Power Plant Report."

Table 14. Natural Gas Delivered to Consumers by State, 1994-1998

Year and State	Residential		Commercial		Industrial	
	Volume (million cubic feet)	Consumers	Volume (million cubic feet)	Consumers	Volume (million cubic feet)	Consumers
1994 Total	4,847,702	53,392,557	2,895,013	4,533,905	8,167,033	202,940
1995 Total	4,850,318	54,322,179	3,031,077	4,636,500	8,579,585	209,398
1996 Total	5,241,414	55,263,673	3,158,244	4,720,227	8,870,422	206,049
1997 Total	4,983,772	56,186,958	^R 3,214,912	^R 4,761,409	^R 8,832,450	^R 238,961
1998 Total	4,520,276	57,321,746	2,999,491	5,044,497	8,686,147	231,438
Alabama.....	46,544	788,464	25,705	76,467	200,305	2,465
Alaska.....	15,617	86,243	27,079	13,176	75,947	7
Arizona.....	36,100	764,167	31,788	51,712	28,157	514
Arkansas.....	38,190	550,017	28,062	69,974	147,313	1,302
California.....	549,931	9,181,928	282,153	588,224	827,401	36,970
Colorado.....	110,839	1,223,433	63,132	125,178	87,238	3,350
Connecticut.....	35,329	438,716	42,333	47,110	32,498	3,441
D.C.....	13,249	132,867	16,862	10,658	0	0
Delaware.....	7,755	112,507	5,590	10,081	16,287	257
Florida.....	14,102	542,770	37,659	46,778	126,891	579
Georgia.....	107,398	1,659,730	55,419	126,050	164,501	3,263
Hawaii.....	535	30,918	1,747	2,761	373	26
Idaho.....	16,002	213,786	11,676	27,697	34,303	203
Illinois.....	409,812	3,556,736	174,687	271,585	303,668	28,064
Indiana.....	140,122	1,531,914	73,117	141,307	290,973	6,636
Iowa.....	68,901	790,162	43,027	91,300	105,950	1,878
Kansas.....	70,217	841,843	41,788	89,654	111,143	10,707
Kentucky.....	55,545	726,960	32,464	80,147	93,217	1,864
Louisiana.....	47,574	962,436	24,042	63,029	922,155	1,404
Maine.....	910	15,646	2,456	6,662	2,297	110
Maryland.....	68,057	901,455	57,370	67,850	38,531	1,472
Massachusetts.....	102,062	1,212,486	90,092	108,832	125,286	11,255
Michigan.....	319,701	2,903,698	163,368	224,506	282,036	11,891
Minnesota.....	110,449	1,161,423	82,345	110,986	104,610	2,188
Mississippi.....	24,847	415,673	21,358	45,345	78,640	1,165
Missouri.....	110,779	1,307,563	61,995	135,417	64,868	3,523
Montana.....	19,172	218,851	12,952	28,065	21,416	454
Nebraska.....	40,771	523,790	28,911	63,819	53,053	10,673
Nevada.....	30,023	458,737	23,314	29,030	28,662	97
New Hampshire.....	6,267	78,786	6,808	13,512	5,878	389
New Jersey.....	196,658	2,252,248	146,653	234,459	204,791	16,295
New Mexico.....	35,877	454,065	27,206	42,067	25,048	1,549
New York.....	339,512	4,117,307	335,343	348,694	251,591	6,268
North Carolina.....	50,786	777,805	36,427	100,251	106,497	6,228
North Dakota.....	10,092	101,930	10,082	14,422	20,606	404
Ohio.....	296,576	3,050,960	156,630	258,076	332,955	8,114
Oklahoma.....	66,521	877,236	43,800	89,711	198,110	3,330
Oregon.....	34,417	477,796	25,986	63,085	102,770	695
Pennsylvania.....	217,929	2,493,639	130,996	216,519	231,362	6,740
Rhode Island.....	16,461	208,208	11,477	22,136	42,278	325
South Carolina.....	25,430	460,141	19,828	52,237	102,324	1,728
South Dakota.....	11,646	133,095	9,264	17,972	5,607	464
Tennessee.....	59,386	905,757	52,394	109,772	145,773	5,219
Texas.....	199,454	3,600,505	169,610	320,922	2,023,278	8,290
Utah.....	56,843	588,364	30,955	42,054	45,501	3,597
Vermont.....	2,454	26,664	2,979	4,034	2,105	36
Virginia.....	63,186	847,938	58,283	77,220	92,801	2,469
Washington.....	61,936	737,208	45,561	77,770	133,106	3,848
West Virginia.....	29,664	359,783	24,986	35,362	49,807	217
Wisconsin.....	115,946	1,390,068	81,316	134,651	141,980	9,158
Wyoming.....	12,702	127,324	10,414	16,171	54,259	317

See footnotes at end of table.

Table 14. Natural Gas Delivered to Consumers by State, 1994-1998 (Continued)

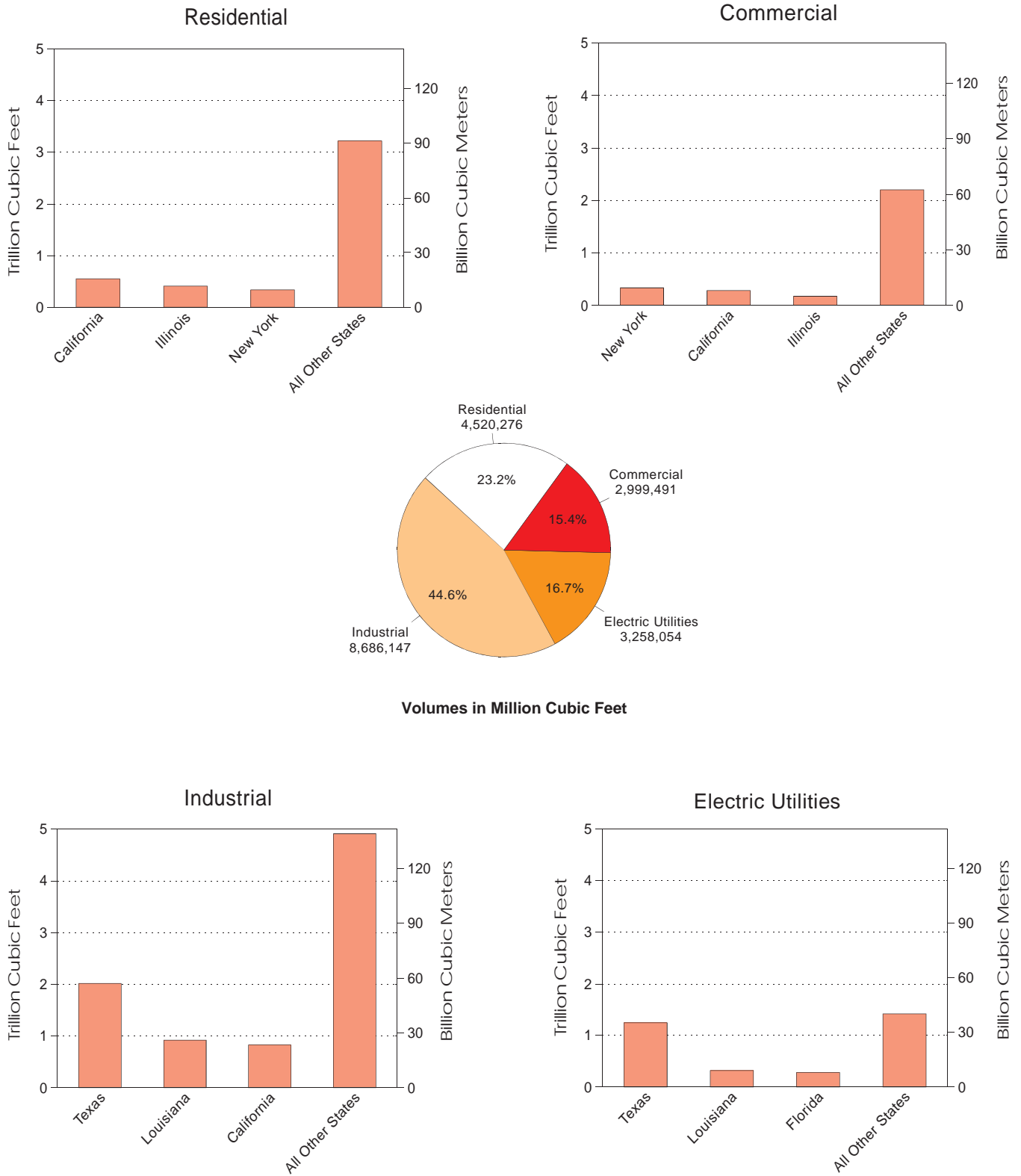
Year and State	Vehicle Fuel	Electric Utilities	Delivered to Consumers	Heating Value (Btu per Cubic Foot)
	Volume (million cubic feet)	Volume (million cubic feet)	Volume (million cubic feet)	
1994 Total	1,741	2,987,146	18,898,635	1,028
1995 Total	2,674	3,196,507	19,660,161	1,027
1996 Total	2,932	2,732,496	20,005,508	1,027
1997 Total	4,424	^R 2,968,453	^R 20,004,012	1,026
1998 Total	5,079	3,258,054	19,469,047	1,031
Alabama	2	25,546	298,102	1,039
Alaska	0	28,784	147,426	999
Arizona	152	38,674	134,871	1,016
Arkansas	1	40,576	254,142	1,024
California	2,732	271,154	1,933,371	1,047
Colorado	13	10,627	271,849	1,012
Connecticut	77	10,719	120,955	1,026
D.C.	4	0	30,115	1,027
Delaware	2	11,135	40,769	1,037
Florida	84	281,346	460,082	1,051
Georgia	12	22,371	349,701	1,027
Hawaii	0	0	2,654	1,056
Idaho	36	0	62,018	1,038
Illinois	60	56,337	944,563	1,022
Indiana	67	9,096	513,375	1,017
Iowa	1	5,947	223,826	1,011
Kansas	0	36,896	260,044	995
Kentucky	4	5,760	186,990	1,034
Louisiana	7	318,395	1,312,174	1,070
Maine	0	0	5,663	1,017
Maryland	62	12,303	176,323	1,037
Massachusetts	7	18,427	335,874	1,023
Michigan	31	48,321	813,457	1,020
Minnesota	32	7,738	305,174	1,020
Mississippi	1	76,362	201,209	1,046
Missouri	6	16,035	253,682	1,011
Montana	9	522	54,071	1,026
Nebraska	0	5,044	127,779	1,003
Nevada	33	60,937	142,970	1,041
New Hampshire	0	149	19,103	1,011
New Jersey	0	30,996	579,099	1,038
New Mexico	189	39,034	127,354	982
New York	457	208,348	1,135,250	1,028
North Carolina	0	12,418	206,129	1,040
North Dakota	3	0	40,782	1,038
Ohio	432	7,663	794,255	1,040
Oklahoma	109	174,577	483,117	1,014
Oregon	38	28,883	192,094	1,043
Pennsylvania	40	6,890	587,218	1,036
Rhode Island	6	15,589	85,811	1,025
South Carolina	1	5,893	153,476	1,034
South Dakota	1	2,865	29,383	1,010
Tennessee	11	6,213	263,778	1,030
Texas	3	1,242,574	3,634,920	1,041
Utah	136	5,945	139,380	1,046
Vermont	0	188	7,726	1,012
Virginia	35	20,386	234,692	1,043
Washington	112	13,352	254,067	1,045
West Virginia	5	417	104,879	1,063
Wisconsin	59	16,348	355,650	1,011
Wyoming	10	271	77,656	1,067

^R = Revised data.

Notes: Totals may not equal sum of components due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" and Form EIA-759, "Monthly Power Plant Report."

Figure 11. Natural Gas Delivered to Consumers in the United States, 1998



Note: Vehicle fuel volume for 1998 was 5,079 million cubic feet.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 15. Natural Gas Delivered to Commercial Consumers for the Account of Others^a by State, 1994-1998
(Million Cubic Feet)

State	1994		1995		1996		1997		1998	
	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries
Alabama.....	5,043	19.8	5,213	19.9	5,470	18.9	11,432	35.3	5,009	19.5
Alaska.....	0	—	5,019	20.1	9,990	36.6	12,241	45.5	13,649	50.4
Arizona.....	2,709	9.3	3,282	11.6	4,309	14.9	4,662	15.5	4,777	15.0
Arkansas.....	1,351	4.9	1,104	4.0	1,550	5.0	1,699	5.8	2,576	9.2
California.....	134,346	51.3	133,483	47.9	106,531	45.3	125,836	49.6	144,864	51.3
Colorado.....	3,403	5.2	3,863	5.8	4,702	6.8	4,998	7.2	3,573	5.7
Connecticut.....	7,455	19.1	6,836	18.0	5,193	13.1	7,709	18.1	13,270	31.3
D.C.....	1,343	9.1	3,954	23.2	4,823	29.5	8,122	45.1	8,045	47.7
Florida.....	861	2.2	988	2.4	1,204	2.9	932	2.5	1,281	3.4
Georgia.....	4,304	8.0	3,663	6.5	3,646	5.9	6,211	10.9	9,078	16.4
Idaho.....	1,427	14.1	1,450	14.0	1,543	13.4	1,593	13.9	1,594	13.6
Illinois.....	93,206	47.2	101,211	49.7	100,495	46.1	92,730	45.7	91,872	52.6
Indiana.....	5,841	7.7	10,149	12.3	3,255	3.7	8,290	10.1	15,216	20.8
Iowa.....	4,597	9.6	5,394	10.7	6,728	12.3	5,934	11.8	6,129	14.2
Kansas.....	11,295	21.6	14,029	26.4	16,200	28.3	^R 12,331	^R 29.7	12,757	30.5
Kentucky.....	3,171	8.6	4,169	10.8	3,773	9.2	3,860	10.0	4,076	12.6
Louisiana.....	505	2.1	464	1.9	451	1.8	1,048	4.1	1,287	5.4
Maryland.....	1,291	2.9	1,469	3.1	3,734	8.1	16,394	32.9	36,375	63.4
Massachusetts.....	20,132	23.8	12,453	15.1	24,311	25.3	39,539	37.4	37,931	42.1
Michigan.....	62,825	34.3	65,266	33.6	66,621	33.1	69,739	36.3	65,843	40.3
Minnesota.....	3,336	4.0	5,696	6.3	3,768	3.8	1,077	1.2	1,954	2.4
Mississippi.....	647	3.4	615	3.1	585	2.6	1,148	5.2	1,101	5.2
Missouri.....	11,072	16.7	10,880	16.7	12,988	17.8	14,059	20.1	13,463	21.7
Montana.....	1,070	8.2	1,131	8.4	1,247	8.4	1,181	8.5	2,957	22.8
Nebraska.....	7,726	19.8	9,181	22.9	12,247	30.0	8,738	25.8	7,941	27.5
Nevada.....	3,276	17.5	4,416	23.6	5,272	25.8	6,305	28.7	6,941	29.8
New Hampshire.....	0	—	52	0.8	218	3.1	567	7.6	399	5.9
New Jersey.....	11,045	8.4	19,074	13.7	40,100	26.7	73,902	43.8	57,904	39.5
New Mexico.....	9,395	37.6	9,520	39.8	9,351	35.3	7,959	^R 29.0	8,981	33.0
New York.....	45,626	20.4	55,135	23.8	58,135	23.0	113,408	35.3	157,319	46.9
North Carolina.....	1,314	3.4	2,831	7.6	1,409	3.5	2,141	5.6	3,418	9.4
North Dakota.....	2,199	20.4	2,224	19.1	1,454	12.0	1,207	11.1	1,631	16.2
Ohio.....	30,807	18.5	41,569	23.7	53,609	28.2	63,352	34.5	70,543	45.0
Oklahoma.....	4,214	11.5	5,894	14.9	7,165	15.5	8,204	18.2	11,752	26.8
Oregon.....	430	1.9	419	1.9	431	1.7	378	1.5	254	1.0
Pennsylvania.....	35,514	25.6	45,481	31.6	45,809	29.6	52,464	36.4	56,528	43.2
Rhode Island.....	0	—	0	—	1,010	8.2	2,405	19.5	4,679	40.8
South Carolina.....	265	1.5	688	3.6	199	1.0	235	1.2	412	2.1
South Dakota.....	1,124	10.9	1,406	13.2	2,008	17.3	1,742	16.7	1,466	15.8
Tennessee.....	2,992	5.9	3,163	6.2	3,316	5.7	4,312	7.8	6,635	12.7
Texas.....	31,742	17.6	65,911	31.4	29,469	16.5	83,494	38.6	32,280	19.0
Utah.....	4,438	16.7	4,892	18.2	5,360	18.1	5,222	16.8	5,427	17.5
Virginia.....	7,039	13.3	9,062	15.9	8,712	14.7	13,705	22.1	16,267	27.9
Washington.....	1,993	4.6	3,514	8.3	6,795	14.1	7,440	15.9	6,026	13.2
West Virginia.....	11,194	44.8	12,536	48.5	12,263	43.8	11,779	45.5	12,625	50.5
Wisconsin.....	5,133	6.5	6,760	8.0	7,848	8.4	15,907	17.9	21,172	26.0
Wyoming.....	358	3.9	632	6.4	1,370	14.1	1,705	15.9	987	9.5
Total.....	599,058	20.7	706,139	23.3	706,667	22.4	^R939,332	29.2	990,265	33.0

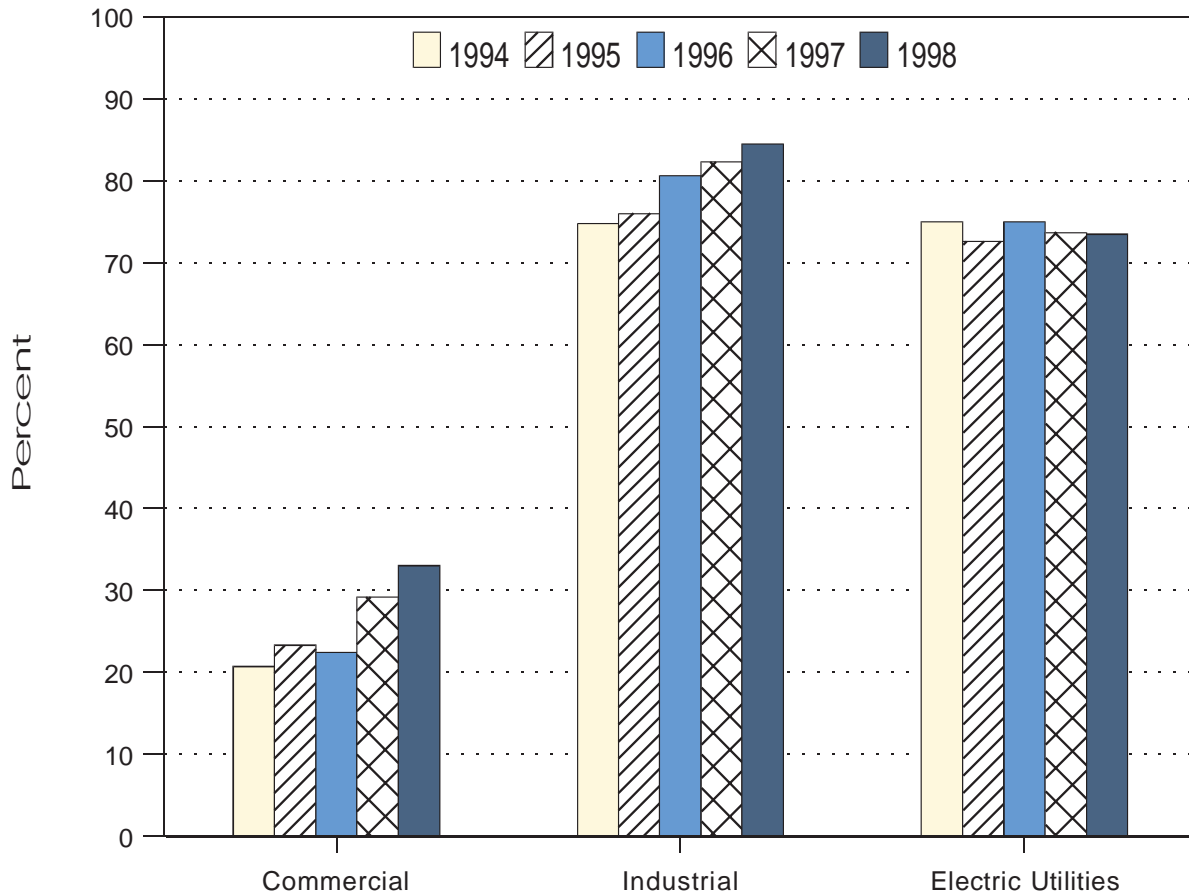
^a These deliveries included quantities covered by long-term contracts and gas involved in short-term or spot market sales.

^R = Revised data.
— = Not applicable.

Notes: Totals may not equal sum of components due to 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 12. Percent of Natural Gas Deliveries in the United States Representing Deliveries for the Account of Others by Consumer Sector, 1994-1998



Note: These deliveries included quantities covered by long-term contracts and gas involved in short-term or spot market sales.
Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 16. Natural Gas Delivered to Industrial Consumers for the Account of Others^a by State, 1994-1998
(Million Cubic Feet)

State	1994		1995		1996		1997		1998	
	Delivered for the Account of Others	Percent of Total Industrial Deliveries	Delivered for the Account of Others	Percent of Total Industrial Deliveries	Delivered for the Account of Others	Percent of Total Industrial Deliveries	Delivered for the Account of Others	Percent of Total Industrial Deliveries	Delivered for the Account of Others	Percent of Total Industrial Deliveries
Alabama.....	132,073	72.7	156,374	76.6	155,962	77.4	151,727	75.4	153,936	76.9
Alaska.....	25,523	41.6	31,112	47.9	27,026	35.7	1,609	2.2	473	0.6
Arizona.....	18,035	69.7	20,825	75.3	21,670	80.3	20,873	74.9	18,740	66.6
Arkansas.....	115,461	86.2	119,716	86.2	122,937	87.0	132,410	89.5	133,918	90.9
California.....	537,503	81.8	604,196	87.8	622,182	89.7	671,397	91.1	749,163	90.5
Colorado.....	51,292	72.1	55,143	76.1	65,641	78.5	56,338	76.4	76,652	87.9
Connecticut.....	1,435	4.7	4,130	12.5	5,008	15.4	11,597	33.6	14,359	44.2
Delaware.....	5,631	32.7	6,281	32.4	8,882	62.7	10,223	69.0	12,633	77.6
Florida.....	106,166	83.7	112,361	84.2	119,191	87.2	117,731	90.0	118,050	93.0
Georgia.....	108,859	62.6	118,125	64.3	123,193	67.8	128,111	73.3	122,918	74.7
Idaho.....	28,932	97.2	33,291	97.8	34,080	98.6	34,311	98.0	33,429	97.5
Illinois.....	267,348	87.6	286,103	89.0	278,262	86.3	281,159	88.5	275,415	90.7
Indiana.....	233,870	86.6	236,435	85.8	241,236	83.4	244,246	84.0	264,161	90.8
Iowa.....	96,016	88.3	104,993	91.2	103,757	91.0	98,195	91.4	98,665	93.1
Kansas.....	175,691	93.5	112,942	87.2	101,877	92.4	R105,838	R90.8	100,205	90.2
Kentucky.....	57,149	68.8	65,659	72.3	68,850	72.9	77,303	80.8	76,644	82.2
Louisiana.....	759,747	76.0	733,133	70.2	942,276	89.9	903,298	89.9	836,843	90.7
Maine.....	0	—	0	—	197	9.0	218	8.6	288	12.6
Maryland.....	39,697	83.2	42,475	86.7	44,186	88.3	61,067	92.6	35,842	93.0
Massachusetts....	67,072	72.3	73,793	68.5	74,115	74.1	86,377	79.8	108,741	86.8
Michigan.....	292,945	89.4	296,745	90.9	315,568	90.9	308,012	91.0	258,838	91.8
Minnesota.....	53,928	57.1	69,467	65.4	60,195	58.7	63,995	59.6	63,114	60.3
Mississippi.....	48,154	56.0	48,691	57.6	47,133	58.3	50,692	60.4	49,109	62.4
Missouri.....	56,873	79.4	53,484	77.6	53,656	75.0	55,638	78.2	52,757	81.3
Montana.....	13,395	96.1	17,565	96.9	17,483	96.6	18,193	96.9	21,103	98.5
Nebraska.....	28,971	78.4	37,370	83.5	28,756	79.6	32,405	73.0	46,326	87.3
Nevada.....	28,312	98.1	30,102	98.2	32,073	98.4	28,399	98.2	27,104	94.6
New Hampshire...	225	5.0	1,639	35.6	2,193	44.6	2,987	51.2	4,072	69.3
New Jersey.....	81,222	42.6	98,456	47.1	96,081	47.8	107,183	53.0	106,301	51.9
New Mexico.....	16,884	90.1	19,596	92.9	22,049	96.5	R23,412	R90.5	22,603	90.2
New York.....	180,002	83.9	240,506	86.3	291,057	90.2	279,409	91.5	236,657	94.1
North Carolina....	38,907	41.0	56,707	53.1	42,287	40.6	60,729	54.5	72,282	67.9
North Dakota.....	4,402	75.3	5,319	81.8	5,813	73.5	16,783	81.6	17,594	85.4
Ohio.....	281,055	90.3	312,067	92.7	321,733	92.7	316,813	94.3	318,793	95.7
Oklahoma.....	148,340	75.7	164,610	84.8	187,816	93.4	197,058	95.3	190,910	96.4
Oregon.....	42,891	68.6	51,352	74.5	71,942	82.0	75,666	83.7	88,092	85.7
Pennsylvania.....	187,980	79.5	209,372	83.8	198,545	81.5	204,331	85.8	201,211	87.0
Rhode Island.....	37,257	91.0	31,211	88.9	21,472	83.1	20,203	82.6	39,163	92.6
South Carolina....	22,755	23.3	18,336	18.6	13,562	14.2	13,525	13.1	13,602	13.3
South Dakota.....	3,449	62.6	5,017	72.4	5,414	75.4	5,257	75.9	3,609	64.4
Tennessee.....	64,615	54.3	65,914	52.4	67,050	53.0	85,683	61.7	96,672	66.3
Texas.....	1,321,308	72.2	1,402,017	72.9	1,708,843	79.9	1,703,403	82.7	1,738,943	85.9
Utah.....	32,238	88.0	37,694	89.0	38,424	91.0	40,234	91.1	41,587	91.4
Virginia.....	67,341	78.5	83,030	85.2	69,163	82.0	74,182	87.0	80,885	87.2
Washington.....	62,877	58.4	73,798	67.1	86,332	75.6	85,079	76.5	106,345	79.9
West Virginia.....	40,684	87.0	44,726	85.6	42,843	85.7	50,353	87.8	46,650	93.7
Wisconsin.....	69,191	51.2	78,008	53.4	95,077	63.6	113,529	72.9	110,805	78.0
Wyoming.....	59,219	97.8	47,467	97.2	48,798	97.1	45,763	97.5	53,151	98.0
Total.....	6,112,919	74.8	6,517,352	76.0	7,151,885	80.6	R7,272,947	82.3	7,339,353	84.5

^a These deliveries included quantities covered by long-term contracts and gas involved in short-term or spot market sales.

R = Revised data.

— = Not applicable.

Notes: Totals may not equal sum of components due to 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 17. Natural Gas Delivered to Electric Utilities for the Account of Others^a by State, 1994-1998
(Million Cubic Feet)

State	1994		1995		1996		1997		1998	
	Delivered for the Account of Others	Percent of Total Electric Utility Deliveries	Delivered for the Account of Others	Percent of Total Electric Utility Deliveries	Delivered for the Account of Others	Percent of Total Electric Utility Deliveries	Delivered for the Account of Others	Percent of Total Electric Utility Deliveries	Delivered for the Account of Others	Percent of Total Electric Utility Deliveries
Alabama.....	3,271	89.6	7,441	94.7	5,101	93.0	11,194	95.6	25,270	96.6
Alaska.....	8,368	29.6	8,990	30.3	9,116	29.6	10,972	32.5	8,631	29.8
Arizona.....	33,188	99.9	25,867	99.9	26,662	99.9	31,829	99.4	35,158	89.8
Arkansas.....	18,625	95.9	23,132	96.2	26,442	94.8	20,213	95.9	40,150	100.0
California.....	556,557	93.3	367,940	90.3	263,937	85.8	315,728	86.6	266,459	82.3
Colorado.....	2,685	63.6	554	27.8	3,484	72.8	428	8.7	254	2.9
Connecticut.....	6,941	88.4	16,058	88.1	8,427	83.6	12,677	98.6	10,653	100.0
Delaware.....	16,120	92.3	21,423	79.5	19,088	86.8	13,697	89.6	10,239	94.6
Florida.....	182,379	98.9	308,563	99.5	269,460	99.6	297,298	99.6	287,762	99.1
Georgia.....	0	—	0	—	0	—	0	—	4,489	17.2
Illinois.....	32,064	95.4	35,703	88.1	24,894	86.7	44,010	88.8	53,692	89.7
Indiana.....	7,370	78.3	11,986	89.4	6,373	81.3	7,438	89.7	5,581	91.7
Iowa.....	1,721	69.6	2,157	68.9	2,261	79.3	5,966	90.5	7,398	83.9
Kansas.....	14,617	71.5	16,872	75.9	12,545	92.6	16,887	98.9	27,329	96.1
Louisiana.....	174,324	83.8	239,903	78.0	202,033	89.9	186,028	92.0	232,644	91.7
Maryland.....	4,186	32.5	6,489	39.1	9,518	97.9	10,873	99.7	7,934	99.9
Massachusetts.....	29,992	72.5	50,087	75.5	39,460	86.2	44,658	83.2	13,914	75.5
Michigan.....	17,820	97.8	28,369	97.9	26,067	98.5	25,961	97.8	45,401	97.1
Minnesota.....	906	22.7	734	15.9	0	—	0	—	0	—
Mississippi.....	31,927	94.9	40,663	98.7	57,417	98.8	58,577	99.3	70,819	99.0
Missouri.....	1,246	39.5	5,794	57.6	1,848	65.3	5,132	83.4	10,779	75.4
Montana.....	139	21.0	250	67.8	301	68.1	304	80.0	361	68.6
Nebraska.....	34	5.5	63	4.7	503	29.6	630	37.8	48	2.2
Nevada.....	32,377	100.0	38,533	100.0	47,039	100.0	51,161	100.0	43,729	92.6
New Jersey.....	1,637	4.6	3,725	9.6	12,559	48.5	5,436	24.2	7,078	25.2
New Mexico.....	24,868	93.6	25,751	92.4	13,618	81.6	13,635	86.9	14,198	83.8
New York.....	14,082	8.3	24,175	10.3	4,804	3.4	16,513	8.2	4,978	2.6
North Carolina.....	432	50.8	967	32.0	578	24.4	1,012	22.3	1,884	16.4
Ohio.....	1,626	60.5	4,647	87.3	2,303	85.7	3,414	88.7	6,982	83.4
Oklahoma.....	139,435	88.2	138,365	89.4	125,825	87.7	112,592	85.4	114,556	84.5
Oregon.....	26,310	100.0	19,136	100.0	13,127	100.0	10,446	100.0	28,065	100.0
Pennsylvania.....	8,948	63.2	24,181	94.5	5,056	87.0	5,493	91.0	7,084	91.7
Rhode Island.....	0	—	0	—	25,046	100.0	27,298	100.0	22,984	100.0
South Dakota.....	64	100.0	0	100.0	0	—	0	—	0	—
Tennessee.....	498	51.3	1,414	66.5	425	61.8	1,906	100.0	6,058	100.0
Texas.....	659,710	66.5	577,894	65.4	578,654	64.4	538,488	62.5	652,908	65.1
Utah.....	7,922	99.6	7,515	99.5	4,006	98.6	3,435	99.0	5,613	99.3
Virginia.....	26,706	99.7	20,462	100.0	14,366	99.8	10,787	99.9	57,441	100.0
Washington.....	2,328	100.0	2,084	100.0	6,589	100.0	2,518	100.0	6,344	100.0
West Virginia.....	244	100.0	208	100.0	157	100.0	184	100.0	221	100.0
Wisconsin.....	457	8.6	2,188	22.0	2,404	33.1	7,576	46.9	7,757	43.5
Total.....	2,092,124	75.0	2,110,284	72.6	1,871,496	75.0	1,932,394	73.7	2,152,846	73.5

^a These deliveries included quantities covered by long-term contracts and gas involved in short-term or spot market sales.
— = Not applicable.

Notes: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 18. Firm Natural Gas Deliveries to Consumers by State, 1998
(Million Cubic Feet)

State	Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities	Total
Alabama	46,544	23,084	97,052	2	12,423	179,106
Alaska	15,617	27,079	75,474	0	28,961	147,130
Arizona	36,100	31,577	27,688	152	39,077	134,593
Arkansas	38,190	24,208	128,768	1	40,128	231,296
California	549,931	239,363	533,172	2,732	4,472	1,329,670
Colorado	110,839	61,339	50,714	9	8,417	231,318
Connecticut	35,120	23,888	15,721	36	10,606	85,371
D.C.	13,249	5,629	0	0	0	18,878
Delaware	7,755	5,590	15,149	2	10,769	39,265
Florida	14,102	36,827	52,694	84	273,858	377,565
Georgia	107,398	43,554	23,578	12	26,058	200,601
Hawaii	535	1,747	62	0	0	2,343
Idaho	16,002	11,617	21,383	36	0	49,039
Illinois	409,812	174,598	289,642	60	59,850	933,962
Indiana	140,122	66,238	61,270	67	3,649	271,346
Iowa	68,901	38,952	80,873	1	8,055	196,783
Kansas	70,217	30,606	60,550	0	14,303	175,677
Kentucky	55,545	29,599	69,594	4	1,023	155,765
Louisiana	47,574	16,783	597,729	7	151,343	813,435
Maine	910	2,456	1,812	0	0	5,178
Maryland	68,057	28,728	17,180	27	2,348	116,340
Massachusetts	102,062	63,594	97,958	1	6,645	270,260
Michigan	319,701	163,333	280,976	31	46,720	810,762
Minnesota	110,391	55,544	53,618	3	3,688	223,243
Mississippi	24,847	19,554	50,138	1	42,764	137,304
Missouri	110,779	59,748	55,660	6	10,793	236,985
Montana	19,172	12,433	7,667	8	165	39,446
Nebraska	40,771	23,835	28,798	0	257	93,662
Nevada	30,023	22,799	28,662	31	44,311	125,826
New Hampshire	6,267	6,808	3,945	0	0	17,021
New Jersey	196,658	111,531	80,699	0	21,504	410,394
New Mexico	35,877	26,784	22,134	189	15,106	100,090
New York	337,214	222,947	204,409	457	36,302	801,329
North Carolina	50,786	35,501	31,494	0	89	117,870
North Dakota	10,092	8,062	10,777	3	1	28,935
Ohio	296,576	153,066	288,103	432	2,393	740,570
Oklahoma	66,521	42,074	107,899	109	114,511	331,115
Oregon	34,417	25,732	36,572	38	28,065	124,824
Pennsylvania	217,929	113,864	162,739	20	3,695	498,247
Rhode Island	16,461	11,475	36,335	6	22,984	87,260
South Carolina	25,430	15,469	20,042	1	0	60,942
South Dakota	11,646	8,515	2,946	1	240	23,348
Tennessee	59,386	47,269	63,394	11	0	170,060
Texas	199,454	162,793	1,202,173	1	582,568	2,146,989
Utah	56,843	24,152	23,346	136	4,016	108,492
Vermont	2,454	2,979	0	0	0	5,433
Virginia	63,186	43,405	64,323	25	52,730	223,669
Washington	61,936	34,755	109,200	12	4,585	210,487
West Virginia	29,664	7,041	17,577	5	221	54,508
Wisconsin	115,946	78,603	45,207	40	9,036	248,833
Wyoming	12,702	9,531	24,246	10	0	46,488
Total	4,517,711	2,536,659	5,381,146	4,806	1,748,729	14,189,052

Notes: Totals may not equal sum of components due to 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 19. Interruptible Natural Gas Deliveries to Consumers by State, 1998
(Million Cubic Feet)

State	Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities	Total
Alabama.....	0	2,620	103,253	0	13,742	119,615
Alaska.....	0	0	473	0	0	473
Arizona.....	0	212	469	0	60	741
Arkansas.....	0	3,853	18,545	0	22	22,420
California.....	0	42,790	294,229	0	319,192	656,211
Colorado.....	0	1,793	36,525	4	476	38,798
Connecticut.....	209	18,445	16,777	40	49	35,520
D.C.....	0	11,233	0	4	0	11,237
Delaware.....	0	0	1,138	0	59	1,197
Florida.....	0	832	74,197	0	16,503	91,532
Georgia.....	0	11,865	140,923	0	0	152,788
Hawaii.....	0	0	311	0	0	311
Idaho.....	0	59	12,920	0	0	12,979
Illinois.....	0	88	14,025	0	7	14,121
Indiana.....	0	6,879	229,703	0	2,435	239,017
Iowa.....	0	4,075	25,077	0	759	29,911
Kansas.....	0	11,182	50,593	0	14,128	75,904
Kentucky.....	0	2,865	23,623	0	136	26,624
Louisiana.....	0	7,259	324,426	0	102,274	433,960
Maine.....	0	0	485	0	0	485
Maryland.....	0	28,641	21,352	35	5,591	55,619
Massachusetts.....	0	26,498	27,328	6	11,783	65,615
Michigan.....	0	35	1,060	0	59	1,153
Minnesota.....	58	26,801	50,993	29	1,865	79,746
Mississippi.....	0	1,805	28,502	0	28,796	59,103
Missouri.....	0	2,247	9,208	0	3,501	14,956
Montana.....	0	519	13,749	1	361	14,629
Nebraska.....	0	5,076	24,254	0	1,953	31,283
Nevada.....	0	515	0	2	2,924	3,441
New Hampshire.....	0	0	1,933	0	0	1,933
New Jersey.....	0	35,122	124,092	0	6,559	165,772
New Mexico.....	0	422	2,914	0	1,833	5,169
New York.....	2,297	112,396	47,182	0	154,455	316,331
North Carolina.....	0	927	75,003	0	11,396	87,326
North Dakota.....	0	2,020	9,828	0	0	11,848
Ohio.....	0	3,564	44,851	0	5,981	54,396
Oklahoma.....	0	1,726	90,211	0	21,093	113,029
Oregon.....	0	254	66,198	0	0	66,452
Pennsylvania.....	0	17,132	68,623	20	4,030	89,805
Rhode Island.....	0	2	5,943	0	0	5,945
South Carolina.....	0	4,359	82,282	0	6,109	92,750
South Dakota.....	0	748	2,661	0	0	3,409
Tennessee.....	0	5,125	82,379	0	6,058	93,562
Texas.....	0	6,817	821,105	1	420,730	1,248,655
Utah.....	0	6,803	22,155	1	1,635	30,594
Vermont.....	0	0	2,105	0	210	2,314
Virginia.....	0	14,878	28,478	10	4,712	48,079
Washington.....	0	10,807	23,906	100	1,759	36,572
West Virginia.....	0	17,945	32,230	0	0	50,175
Wisconsin.....	0	2,713	96,773	19	8,779	108,283
Wyoming.....	0	883	30,013	0	0	30,897
Total.....	2,565	462,832	3,305,001	273	1,182,015	4,952,686

Notes: Totals may not equal sum of components due to 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 20. Natural Gas Deliveries to Commercial Consumers by State, 1998
(Million Cubic Feet)

State	Firm			Interruptible			Total Volume
	Sales Volume	Transported Volume	Total Volume	Sales Volume	Transported Volume	Total Volume	
Alabama.....	20,192	2,893	23,084	504	2,117	2,620	25,705
Alaska.....	13,430	13,649	27,079	0	0	0	27,079
Arizona.....	26,799	4,777	31,577	212	0	212	31,788
Arkansas.....	21,638	2,571	24,208	3,848	5	3,853	28,062
California.....	135,311	104,052	239,363	1,979	40,811	42,790	282,153
Colorado.....	58,727	2,612	61,339	833	961	1,793	63,132
Connecticut.....	17,395	6,494	23,888	11,668	6,777	18,445	42,333
D.C.....	5,629	0	5,629	3,188	8,045	11,233	16,862
Delaware.....	5,590	0	5,590	0	0	0	5,590
Florida.....	35,674	1,154	36,827	704	128	832	37,659
Georgia.....	43,527	27	43,554	2,814	9,051	11,865	55,419
Hawaii.....	1,747	0	1,747	0	0	0	1,747
Idaho.....	10,083	1,534	11,617	0	59	59	11,676
Illinois.....	82,765	91,833	174,598	49	39	88	174,687
Indiana.....	55,280	10,958	66,238	2,620	4,259	6,879	73,117
Iowa.....	34,770	4,182	38,952	2,129	1,946	4,075	43,027
Kansas.....	28,460	2,146	30,606	572	10,611	11,182	41,788
Kentucky.....	27,591	2,008	29,599	797	2,068	2,865	32,464
Louisiana.....	16,556	227	16,783	6,199	1,060	7,259	24,042
Maine.....	2,456	0	2,456	0	0	0	2,456
Maryland.....	19,055	9,673	28,728	1,939	26,702	28,641	57,370
Massachusetts.....	47,994	15,600	63,594	4,167	22,331	26,498	90,092
Michigan.....	97,490	65,843	163,333	35	0	35	163,368
Minnesota.....	55,205	339	55,544	25,186	1,615	26,801	82,345
Mississippi.....	18,508	1,046	19,554	1,750	55	1,805	21,358
Missouri.....	47,038	12,710	59,748	1,494	753	2,247	61,995
Montana.....	9,939	2,494	12,433	56	463	519	12,952
Nebraska.....	16,545	7,290	23,835	4,425	651	5,076	28,911
Nevada.....	16,373	6,426	22,799	0	515	515	23,314
New Hampshire.....	6,409	399	6,808	0	0	0	6,808
New Jersey.....	67,266	44,265	111,531	21,483	13,639	35,122	146,653
New Mexico.....	18,070	8,714	26,784	156	266	422	27,206
New York.....	144,826	78,121	222,947	33,198	79,198	112,396	335,343
North Carolina.....	32,594	2,906	35,501	415	512	927	36,427
North Dakota.....	7,586	476	8,062	865	1,155	2,020	10,082
Ohio.....	86,059	67,007	153,066	28	3,536	3,564	156,630
Oklahoma.....	31,009	11,066	42,074	1,039	687	1,726	43,800
Oregon.....	25,732	0	25,732	0	254	254	25,986
Pennsylvania.....	68,992	44,872	113,864	5,476	11,656	17,132	130,996
Rhode Island.....	6,796	4,679	11,475	2	0	2	11,477
South Carolina.....	15,057	412	15,469	4,359	0	4,359	19,828
South Dakota.....	7,362	1,154	8,515	435	313	748	9,264
Tennessee.....	42,293	4,977	47,269	3,467	1,658	5,125	52,394
Texas.....	136,419	26,374	162,793	912	5,905	6,817	169,610
Utah.....	23,526	626	24,152	2,003	4,801	6,803	30,955
Vermont.....	2,979	0	2,979	0	0	0	2,979
Virginia.....	37,077	6,328	43,405	4,939	9,939	14,878	58,283
Washington.....	33,767	987	34,755	5,768	5,039	10,807	45,561
West Virginia.....	6,136	905	7,041	6,225	11,720	17,945	24,986
Wisconsin.....	57,603	21,000	78,603	2,541	172	2,713	81,316
Wyoming.....	8,633	898	9,531	794	89	883	10,414
Total.....	1,837,955	698,704	2,536,659	171,271	291,561	462,832	2,999,491

Notes: Totals may not equal sum of components due to 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 21. Natural Gas Deliveries to Industrial Consumers by State, 1998
(Million Cubic Feet)

State	Firm			Interruptible			Total Volume
	Sales Volume	Transported Volume	Total Volume	Sales Volume	Transported Volume	Total Volume	
Alabama.....	22,974	74,078	97,052	23,395	79,858	103,253	200,305
Alaska.....	75,474	0	75,474	0	473	473	75,947
Arizona.....	9,033	18,656	27,688	385	84	469	28,157
Arkansas.....	8,538	120,230	128,768	4,857	13,688	18,545	147,313
California.....	72,551	460,620	533,172	5,687	288,542	294,229	827,401
Colorado.....	9,258	41,455	50,714	1,328	35,197	36,525	87,238
Connecticut.....	8,431	7,290	15,721	9,708	7,069	16,777	32,498
Delaware.....	2,907	12,242	15,149	747	391	1,138	16,287
Florida.....	2,742	49,953	52,694	6,100	68,097	74,197	126,891
Georgia.....	11,662	11,916	23,578	29,921	111,002	140,923	164,501
Hawaii.....	62	0	62	311	0	311	373
Idaho.....	838	20,546	21,383	37	12,883	12,920	34,303
Illinois.....	24,118	265,525	289,642	4,135	9,891	14,025	303,668
Indiana.....	17,720	43,550	61,270	9,092	220,611	229,703	290,973
Iowa.....	4,608	76,266	80,873	2,678	22,399	25,077	105,950
Kansas.....	8,303	52,247	60,550	2,636	47,957	50,593	111,143
Kentucky.....	10,546	59,049	69,594	6,028	17,595	23,623	93,217
Louisiana.....	41,077	556,652	597,729	44,236	280,190	324,426	922,155
Maine.....	1,524	288	1,812	485	0	485	2,297
Maryland.....	1,396	15,783	17,180	1,293	20,059	21,352	38,531
Massachusetts.....	11,546	86,411	97,958	4,999	22,330	27,328	125,286
Michigan.....	22,366	258,610	280,976	833	227	1,060	282,036
Minnesota.....	4,947	48,670	53,618	36,549	14,444	50,993	104,610
Mississippi.....	14,883	35,255	50,138	14,648	13,854	28,502	78,640
Missouri.....	8,703	46,957	55,660	3,408	5,800	9,208	64,868
Montana.....	313	7,355	7,667	0	13,749	13,749	21,416
Nebraska.....	2,291	26,507	28,798	4,436	19,818	24,254	53,053
Nevada.....	1,558	27,104	28,662	0	0	0	28,662
New Hampshire.....	906	3,040	3,945	900	1,032	1,933	5,878
New Jersey.....	8,622	72,077	80,699	89,868	34,223	124,092	204,791
New Mexico.....	2,445	19,690	22,134	0	2,914	2,914	25,048
New York.....	9,081	195,329	204,409	5,853	41,329	47,182	251,591
North Carolina.....	12,797	18,697	31,494	21,419	53,584	75,003	106,497
North Dakota.....	143	10,634	10,777	2,869	6,959	9,828	20,606
Ohio.....	13,754	274,349	288,103	407	44,444	44,851	332,955
Oklahoma.....	5,435	102,464	107,899	1,765	88,446	90,211	198,110
Oregon.....	11,987	24,585	36,572	2,690	63,508	66,198	102,770
Pennsylvania.....	23,555	139,184	162,739	6,596	62,027	68,623	231,362
Rhode Island.....	2,383	33,952	36,335	732	5,211	5,943	42,278
South Carolina.....	15,394	4,648	20,042	73,327	8,955	82,282	102,324
South Dakota.....	1,417	1,529	2,946	581	2,080	2,661	5,607
Tennessee.....	20,032	43,361	63,394	29,069	53,310	82,379	145,773
Texas.....	272,047	930,125	1,202,173	12,288	808,817	821,105	2,023,278
Utah.....	1,551	21,795	23,346	2,362	19,792	22,155	45,501
Vermont.....	0	0	0	2,105	0	2,105	2,105
Virginia.....	3,736	60,587	64,323	8,180	20,298	28,478	92,801
Washington.....	24,094	85,106	109,200	2,668	21,239	23,906	133,106
West Virginia.....	3,085	14,492	17,577	72	32,157	32,230	49,807
Wisconsin.....	17,682	27,526	45,207	13,493	83,280	96,773	141,980
Wyoming.....	619	23,627	24,246	489	29,524	30,013	54,259
Total.....	851,132	4,530,014	5,381,146	495,663	2,809,338	3,305,001	8,686,147

Notes: Totals may not equal sum of components due to 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 22. Natural Gas Deliveries to Electric Utilities by State, 1998
(Million Cubic Feet)

State	Firm			Interruptible			Total Volume
	Sales Volume	Transported Volume	Total Volume	Sales Volume	Transported Volume	Total Volume	
Alabama.....	0	12,423	12,423	895	12,847	13,742	26,165
Alaska.....	20,330	8,631	28,961	0	0	0	28,961
Arizona.....	3,978	35,098	39,077	0	60	60	39,137
Arkansas.....	0	40,128	40,128	0	22	22	40,150
California.....	1	4,471	4,472	57,204	261,988	319,192	323,664
Colorado.....	8,417	0	8,417	222	254	476	8,894
Connecticut.....	0	10,606	10,606	1	47	49	10,655
Delaware.....	589	10,180	10,769	0	59	59	10,828
Florida.....	1,621	272,237	273,858	978	15,525	16,503	290,361
Georgia.....	21,569	4,489	26,058	0	0	0	26,058
Illinois.....	6,158	53,692	59,850	7	0	7	59,857
Indiana.....	502	3,146	3,649	0	2,435	2,435	6,084
Iowa.....	657	7,398	8,055	759	0	759	8,814
Kansas.....	1,103	13,200	14,303	0	14,128	14,128	28,432
Kentucky.....	1,023	0	1,023	136	0	136	1,159
Louisiana.....	14,910	136,432	151,343	6,063	96,211	102,274	253,617
Maryland.....	0	2,348	2,348	4	5,586	5,591	7,939
Massachusetts.....	1,241	5,405	6,645	3,273	8,509	11,783	18,428
Michigan.....	1,320	45,401	46,720	59	0	59	46,779
Minnesota.....	3,688	0	3,688	1,865	0	1,865	5,553
Mississippi.....	740	42,024	42,764	0	28,796	28,796	71,560
Missouri.....	14	10,779	10,793	3,501	0	3,501	14,294
Montana.....	165	0	165	0	361	361	527
Nebraska.....	257	0	257	1,905	48	1,953	2,210
Nevada.....	3,506	40,805	44,311	0	2,924	2,924	47,235
New Jersey.....	18,708	2,796	21,504	2,277	4,282	6,559	28,063
New Mexico.....	2,742	12,364	15,106	0	1,833	1,833	16,939
New York.....	31,324	4,978	36,302	154,455	0	154,455	190,757
North Carolina.....	89	0	89	9,512	1,884	11,396	11,485
North Dakota.....	1	0	1	0	0	0	1
Ohio.....	410	1,983	2,393	981	4,999	5,981	8,374
Oklahoma.....	0	114,511	114,511	21,048	45	21,093	135,604
Oregon.....	0	28,065	28,065	0	0	0	28,065
Pennsylvania.....	406	3,290	3,695	236	3,795	4,030	7,725
Rhode Island.....	0	22,984	22,984	0	0	0	22,984
South Carolina.....	0	0	0	6,109	0	6,109	6,109
South Dakota.....	240	0	240	0	0	0	240
Tennessee.....	0	0	0	0	6,058	6,058	6,058
Texas.....	350,330	232,238	582,568	60	420,670	420,730	1,003,298
Utah.....	3	4,012	4,016	35	1,601	1,635	5,651
Vermont.....	0	0	0	210	0	210	210
Virginia.....	0	52,730	52,730	1	4,712	4,712	57,442
Washington.....	0	4,585	4,585	0	1,759	1,759	6,344
West Virginia.....	0	221	221	0	0	0	221
Wisconsin.....	1,279	7,757	9,036	8,779	0	8,779	17,815
Total.....	497,323	1,251,407	1,748,729	280,576	901,439	1,182,015	2,930,744

Notes: Deliveries to electric utilities are reported on Form EIA-759, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two

forms. Totals may not equal sum of the components due to independent rounding. **Source:** Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Consumer Prices

Following the trend in wellhead prices, end-use consumers paid lower prices for natural gas in 1998 than in 1997. Price declines ranged from 2 percent in the residential sector to 14 percent in the electric utility sector. Consumers in the New England Census Division, which comprises six States (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont), paid the highest prices in all end-use sectors. Residential customers in New England paid \$9.59 per thousand cubic feet in 1998, virtually the same as the \$9.57 price paid the previous year, with prices in the individual States ranging from \$6.54 to \$10.60 per thousand cubic feet. New England also paid the highest prices for natural gas deliveries to commercial, industrial, and electric utility consumers where prices averaged \$7.18, \$4.79, and \$2.90 per thousand cubic feet, respectively.

Industrial companies and electric utilities are large-volume customers with relatively high load factors, which enable them to take advantage of economies of scale in purchases. Additionally, they are typically in a better position to elect whether to stay with their local distribution company (LDC) or seek supplies from alternative sources. These

factors result in prices that are highly responsive to fluctuations in wellhead prices.

The prices paid for deliveries of natural gas to the residential and commercial sectors reflect the limited options in service and the high-quality services required during peak demand periods. As a result, these sectors typically pay a higher percentage of the fixed costs of long-distance transportation and local distribution compared to industrial and electric utility customers.

- The average price for natural gas at the city gate fell \$0.59 per thousand cubic feet between 1997 and 1998, from \$3.66 to \$3.07 per thousand cubic feet. City gate prices represent the total cost paid by gas distribution companies for gas received at the point where the gas is physically transferred from a pipeline company or transmission system to the LDC. This price is intended to reflect all charges for the acquisition, storage, and transportation associated with the LDC obtaining natural gas for sale to consumers.

Cautionary Note: Number of Residential Consumers

The Energy Information Administration (EIA) expects that there may be some double counting in the number of residential users reported for 1998, specifically that some residential customers were reported as both sales and transportation customers.

To collect data for the number of residential consumers, EIA currently surveys companies that deliver gas to consumers. Traditionally, residential customers have obtained the gas commodity, and all services associated with delivering it, from their local distribution company (LDC). The LDC records these customers as sales customers. Customer choice programs allow consumers to select the provider from whom they purchase gas. When customers elect to purchase gas from a provider other than the LDC, the LDC continues to deliver the gas to the household, even though it no longer sells the gas. The LDC records these customers as transportation customers. A residential customer who entered a customer choice program during 1998 would have been classified early in the year as a traditional sales customer and again later in the year as a transportation customer. This double reporting affects the number of residential consumers and the average annual residential consumption per consumer shown in the *Natural Gas Annual*.

To help readers evaluate the problem of double reporting, Table A7 is provided in Appendix A, "Summary of Data Collection Operations and Report Methodology." It lists residential customers by sales and transportation, known as "deliveries for the account of others," for 1997 and 1998. Appendix A also includes the survey Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." Numbers of residential customers are reported on this form for both sales and transportation classifications.

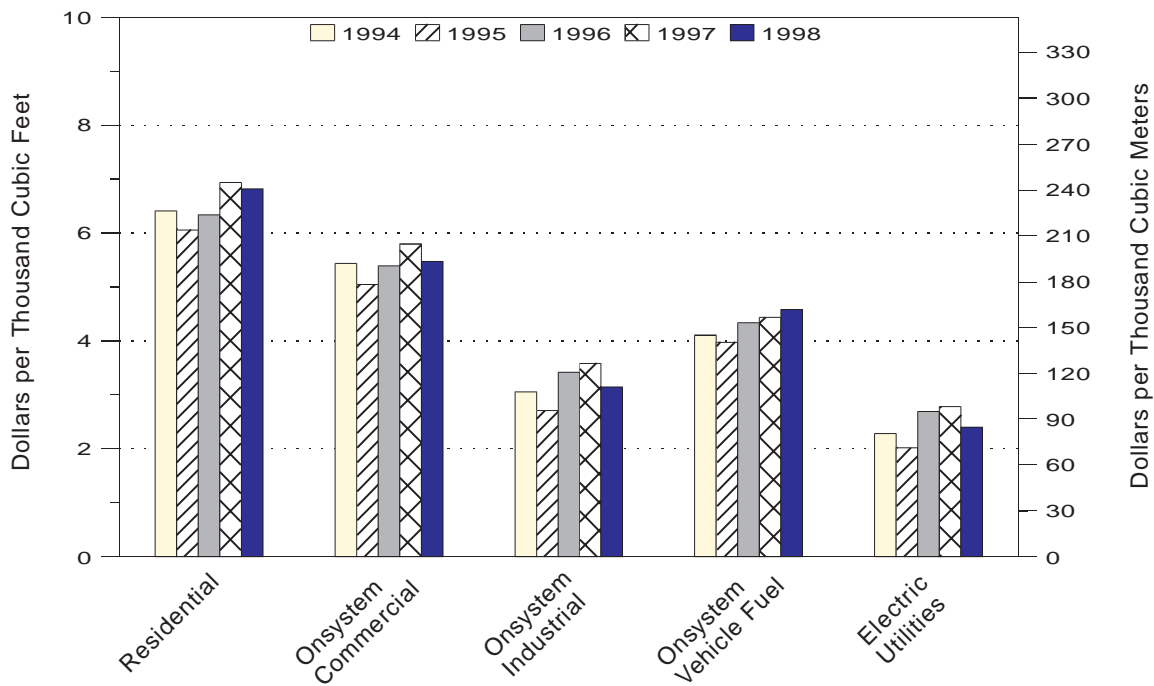
Various customer choice programs, also known as retail unbundling programs, were implemented in many States during 1998. A description of these programs by individual State is on the EIA web site at: www.eia.doe.gov/oil_gas/natural_gas/restructure/restructure.html.

- Residential consumers continue to pay the highest price for natural gas. The average price of natural gas deliveries to the residential sector declined by 2 percent (\$0.12 per thousand cubic feet) from \$6.94 in 1997 to \$6.82 per thousand cubic feet in 1998, which was the smallest decrease of any of the consuming sectors. In recent years, only modest changes in constant dollars have been seen for residential prices (Figure 14). Most of these consumers remain captive to LDC sales service in all but a few States. The LDCs are obligated to supply gas to residences at all times, including during heating seasons when demand is high. Providing this premium service usually results in higher prices.
- The second-highest prices for natural gas deliveries were seen in the commercial sector. The average price paid by commercial consumers fell 5 percent (\$0.31

per thousand cubic feet) from \$5.79 in 1997 to \$5.48 per thousand cubic feet in 1998. The percentage of deliveries for the account of others (i.e., for transportation-only customers) to the commercial sector has grown substantially since 1993 from 16 percent of commercial deliveries to 33 percent in 1998. In 15 States and the District of Columbia, prices in this sector were associated with less than 70 percent of deliveries in 1998.

- Deliveries for the account of others in the industrial sector represented 84 percent of all deliveries to that sector during 1998 and resulted in industrial prices, as reported by EIA, associated with only 16 percent of the volumes delivered. Prices for gas purchased by the industrial customers who continue to buy from LDC suppliers declined 13 percent from \$3.59 per thousand

Figure 13. Average Price of Natural Gas Delivered to Consumers in the United States, 1994-1998



Note: Onsystem sales deliveries represent 67.0 percent of commercial deliveries, 15.5 percent of industrial deliveries, and 85.4 percent of vehicle fuel deliveries in 1998.

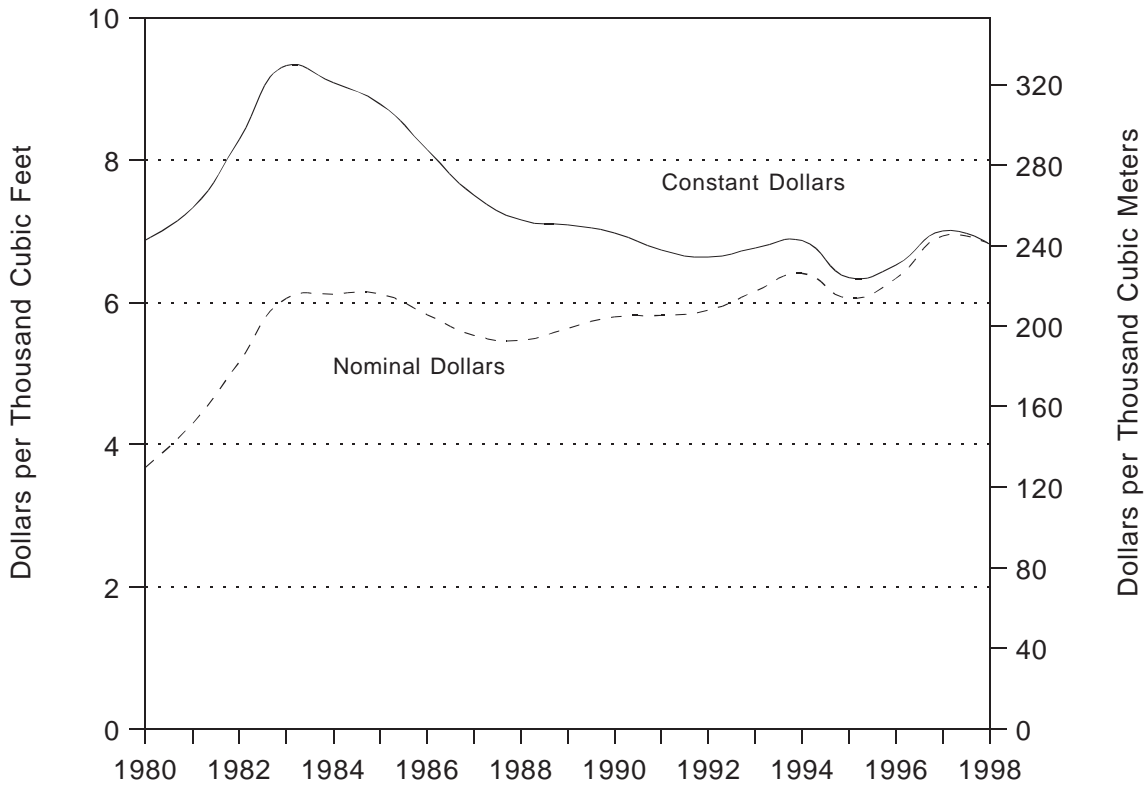
Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" and Federal Energy Regulatory Commission (FERC), Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

cubic feet in 1997 to \$3.14 in 1998. This decline was influenced by the decrease in the wellhead price that occurred during the same period.

- Electric utility prices reflect natural gas consumption by all large electric utilities and do not include gas consumed by nonutility power producers. Between 1997 and 1998 the price paid by electric utilities for natural gas declined by \$0.38 per thousand cubic feet, matching the drop in the average wellhead price. The average electric utility price fell from \$2.78 per thousand cubic feet in 1997 to \$2.40.

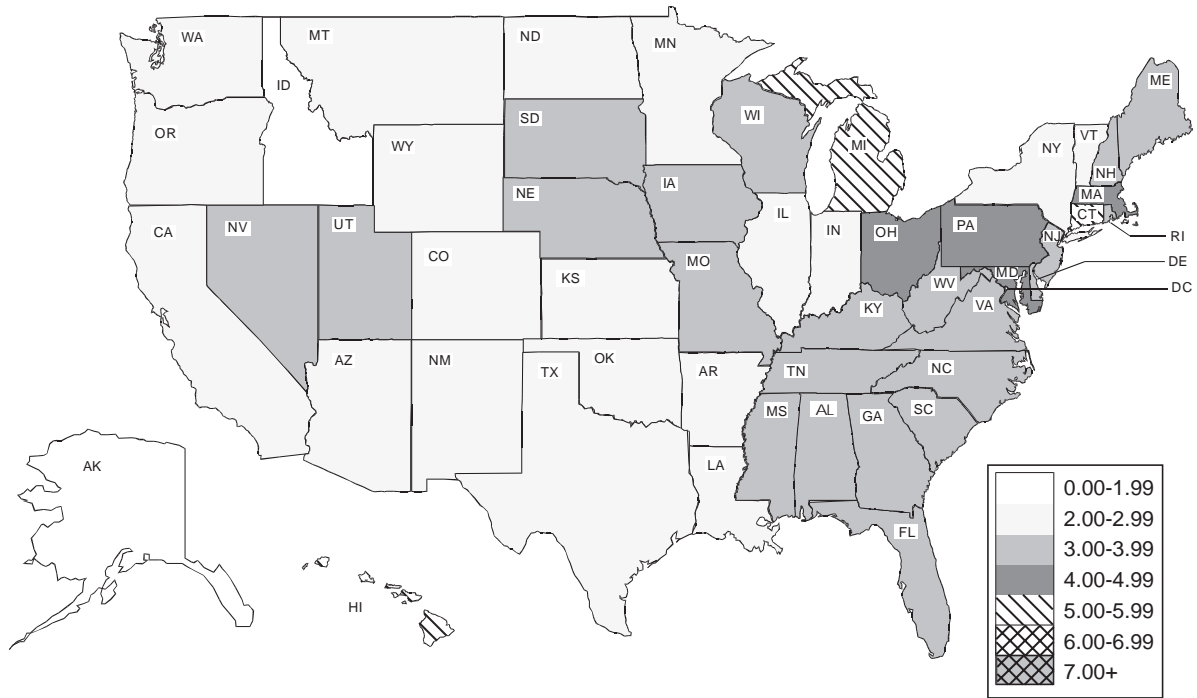
- Most of the natural gas delivered for vehicle fuel represents deliveries to refueling stations that are used primarily by fleet vehicles. Thus, the prices are often those associated with the operation of fleet vehicles and may be based on internal transfer prices for companies primarily in the natural gas business. The average price paid for deliveries of natural gas for vehicle fuel use increased 3 percent, from \$4.44 per thousand cubic feet in 1997 to \$4.59 per thousand cubic feet in 1998, and was associated with a very small volume of deliveries.

Figure 14. Average Price of Natural Gas Delivered to Residential Consumers, 1980-1998



Sources: Nominal dollars: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." Constant dollars: Prices were converted to 1998 dollars using the chain-type price indexes for Gross Domestic Product (1992 = 1.0) as published by the U. S. Department of Commerce, Bureau of Economic Analysis.

Figure 15. Average City Gate Price of Natural Gas in the United States, 1998
 (Dollars per Thousand Cubic Feet)



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

Table 23. Average City Gate Price of Natural Gas in the United States, 1994-1998
(Dollars per Thousand Cubic Feet)

State	Average Price				
	1994	1995	1996	1997	1998
Alabama	3.44	2.89	3.48	3.65	3.17
Alaska	1.62	1.67	1.58	1.81	1.72
Arizona	2.53	2.10	2.78	3.15	2.55
Arkansas	2.54	2.32	2.76	3.23	2.94
California	2.57	2.03	2.59	2.98	2.38
Colorado	3.31	2.65	2.70	2.92	2.40
Connecticut	4.17	4.70	5.11	5.11	5.06
Delaware	2.95	2.70	3.68	3.53	3.02
Florida	2.78	2.74	3.73	3.97	3.42
Georgia	3.54	2.96	3.77	3.98	3.51
Hawaii	4.94	5.20	6.05	6.42	5.33
Idaho	2.46	2.18	2.24	2.12	1.95
Illinois	3.02	2.59	3.27	3.28	2.77
Indiana	2.98	2.84	3.09	3.03	2.45
Iowa	3.15	2.82	3.47	4.06	3.34
Kansas	2.86	2.36	3.05	3.47	2.96
Kentucky	3.13	2.80	3.41	3.83	3.23
Louisiana	2.54	2.21	3.13	3.04	2.33
Maine	2.98	3.35	4.30	3.84	3.43
Maryland	3.38	2.87	4.02	4.02	4.12
Massachusetts	3.98	3.53	3.98	3.85	4.01
Michigan	2.70	2.61	2.90	2.99	2.80
Minnesota	2.85	2.52	3.07	3.67	2.98
Mississippi	2.83	2.53	3.27	3.39	3.00
Missouri	3.05	2.73	3.25	3.75	3.33
Montana	3.49	3.01	3.03	3.16	2.43
Nebraska	2.98	2.49	3.07	4.24	3.02
Nevada	3.18	2.73	3.10	3.39	3.02
New Hampshire	3.49	3.39	4.20	4.10	3.75
New Jersey	3.33	3.34	3.84	4.19	3.71
New Mexico	2.02	1.46	1.99	2.53	2.08
New York	3.02	2.47	3.36	4.20	2.65
North Carolina	3.27	2.95	3.74	3.97	3.49
North Dakota	3.15	2.58	2.94	3.38	2.81
Ohio	3.48	3.84	4.37	5.18	4.70
Oklahoma	2.46	2.52	2.56	3.12	2.55
Oregon	2.73	2.42	2.42	2.58	2.73
Pennsylvania	3.46	3.09	2.68	4.09	4.12
Rhode Island	4.17	3.57	4.41	4.49	3.78
South Carolina	3.67	3.25	3.90	3.81	3.39
South Dakota	3.35	2.88	3.19	3.65	3.24
Tennessee	2.71	2.71	4.04	3.60	3.47
Texas	3.00	2.95	3.22	3.66	2.63
Utah	3.31	2.88	2.25	2.79	3.22
Vermont	3.11	2.61	2.74	2.33	2.58
Virginia	3.44	2.92	3.89	4.14	3.74
Washington	2.54	2.18	2.44	2.62	2.34
West Virginia	3.26	2.85	3.36	3.17	3.17
Wisconsin	3.42	2.83	3.43	3.67	3.29
Wyoming	2.91	2.72	2.36	3.11	2.73
Total	3.07	2.78	3.27	3.66	3.07

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

Table 24. Average Price of Natural Gas Delivered to Residential Consumers by State, 1994-1998
(Dollars per Thousand Cubic Feet)

State	1994	1995	1996	1997	1998
Alabama	7.41	6.86	7.22	8.35	8.21
Alaska	3.60	3.63	3.42	3.77	3.67
Arizona	7.54	7.82	7.52	7.83	8.50
Arkansas	5.71	5.48	5.92	6.67	6.85
California	6.39	6.42	6.44	6.81	6.92
Colorado.....	4.92	4.80	4.39	4.81	5.22
Connecticut	10.14	10.00	10.08	10.33	10.60
D.C.	8.29	8.03	9.19	9.39	8.91
Delaware	7.43	6.60	7.12	8.36	8.90
Florida	9.98	9.85	10.74	11.90	11.29
Georgia	7.32	6.18	6.69	7.41	6.78
Hawaii	16.83	17.55	19.81	21.74	19.25
Idaho	5.29	5.59	5.20	5.12	5.33
Illinois	5.50	4.66	5.28	5.95	5.47
Indiana	6.24	5.37	5.54	6.37	6.56
Iowa.....	5.40	5.09	5.49	6.17	5.96
Kansas	5.11	4.91	5.59	6.42	6.00
Kentucky	5.46	5.05	5.54	6.37	6.03
Louisiana	6.24	6.01	6.76	7.16	6.68
Maine.....	7.83	7.32	7.84	8.47	8.09
Maryland	6.95	6.62	7.60	8.36	8.29
Massachusetts	8.94	9.04	8.88	9.43	9.42
Michigan	4.98	4.72	4.96	5.20	5.17
Minnesota.....	5.18	4.80	5.46	5.76	5.48
Mississippi.....	5.46	5.28	5.72	6.35	6.08
Missouri.....	5.43	5.16	5.97	6.61	6.57
Montana	5.23	5.15	4.86	5.05	5.25
Nebraska	5.01	4.83	4.88	5.69	5.13
Nevada.....	6.66	6.76	6.19	6.27	7.11
New Hampshire.....	7.96	7.16	7.40	8.48	8.12
New Jersey	7.11	7.27	7.16	7.93	7.33
New Mexico.....	5.61	5.04	4.47	5.87	5.22
New York.....	8.75	8.42	8.90	9.73	9.59
North Carolina	7.30	6.93	7.59	8.98	8.69
North Dakota	5.19	4.66	4.54	4.99	5.16
Ohio.....	5.88	5.46	5.90	6.75	6.43
Oklahoma	5.50	5.56	5.64	6.23	5.93
Oregon	6.99	6.74	6.31	6.21	6.81
Pennsylvania.....	7.44	7.16	7.38	8.33	8.45
Rhode Island	9.12	8.02	8.49	9.61	9.56
South Carolina	7.65	7.54	7.41	8.37	8.30
South Dakota	5.27	5.05	5.25	5.75	5.59
Tennessee	6.13	5.77	6.26	6.91	6.73
Texas.....	5.99	5.92	5.89	6.32	6.16
Utah.....	4.96	4.74	4.47	5.13	5.57
Vermont.....	6.94	6.82	6.40	6.41	6.54
Virginia	7.63	7.18	7.94	8.60	8.57
Washington	5.70	5.89	5.65	5.64	5.84
West Virginia	6.66	7.05	7.02	6.81	7.29
Wisconsin.....	6.28	5.82	6.04	6.43	6.15
Wyoming	5.10	4.83	4.26	4.58	5.19
Total.....	6.41	6.06	6.34	6.94	6.82

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Average Prices of Natural Gas to Consumers by State, 1998
(Dollars per Thousand Cubic Feet)

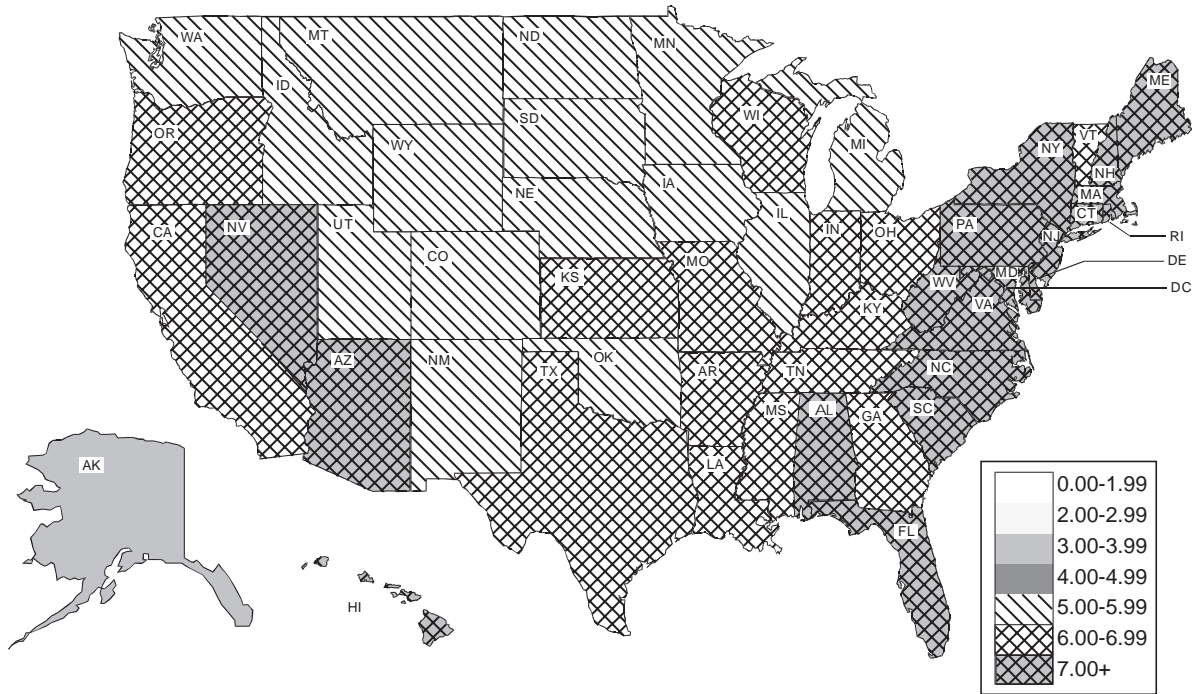
State	Commercial		Industrial		Vehicle Fuel		Electric Utilities
	Average Price	Percentage of Total Volume Delivered	Average Price	Percentage of Total Volume Delivered	Average Price	Percentage of Total Volume Delivered	Average Price
Alabama.....	6.65	80.5	3.30	23.1	1.98	100.0	2.58
Alaska.....	2.41	49.6	1.34	99.4	—	—	1.80
Arizona.....	6.00	85.0	3.26	33.4	4.46	100.0	2.42
Arkansas.....	5.16	90.8	3.48	9.1	5.35	100.0	2.29
California.....	6.37	48.7	3.77	9.5	4.23	76.5	2.79
Colorado.....	4.34	94.3	2.61	12.1	2.09	100.0	2.98
Connecticut.....	6.90	68.7	4.34	55.8	5.21	100.0	2.44
D.C.....	7.36	52.3	—	—	2.60	100.0	—
Delaware.....	7.05	100.0	4.13	22.4	2.60	100.0	2.89
Florida.....	6.41	96.6	3.98	7.0	4.72	100.0	2.27
Georgia.....	6.00	83.6	3.92	25.3	4.10	100.0	3.21
Hawaii.....	14.15	100.0	8.64	100.0	—	—	—
Idaho.....	4.62	86.4	3.09	2.5	3.39	100.0	—
Illinois.....	5.07	47.4	3.96	9.3	2.76	100.0	2.25
Indiana.....	5.50	79.2	4.28	9.2	5.33	76.2	2.88
Iowa.....	4.67	85.8	3.49	6.9	4.82	100.0	3.07
Kansas.....	4.98	69.5	3.17	9.8	5.59	100.0	2.14
Kentucky.....	5.43	87.4	4.00	17.8	6.75	100.0	3.40
Louisiana.....	5.64	94.6	2.31	9.3	4.75	66.5	2.37
Maine.....	7.23	100.0	5.13	87.4	—	—	—
Maryland.....	6.65	36.6	5.26	7.0	3.09	100.0	2.75
Massachusetts.....	7.32	57.9	5.69	13.2	2.41	100.0	2.78
Michigan.....	4.90	59.7	3.91	8.2	3.51	100.0	1.24
Minnesota.....	4.39	97.6	2.88	39.7	2.40	98.4	2.36
Mississippi.....	4.74	94.8	3.22	37.6	2.79	100.0	2.31
Missouri.....	5.69	78.3	4.51	18.7	3.38	100.0	2.26
Montana.....	5.13	77.2	4.68	1.5	4.18	22.6	2.06
Nebraska.....	4.25	72.5	3.26	12.7	—	—	2.40
Nevada.....	6.28	70.2	4.74	5.4	3.86	100.0	2.38
New Hampshire.....	7.18	94.1	4.66	30.7	—	—	—
New Jersey.....	3.70	60.5	2.97	48.1	7.74	100.0	2.74
New Mexico.....	4.04	67.0	3.22	9.8	3.92	62.2	2.22
New York.....	6.08	53.1	4.02	5.9	6.66	100.0	2.57
North Carolina.....	6.63	90.6	3.96	32.1	—	—	2.81
North Dakota.....	4.37	83.8	2.82	14.6	4.01	97.5	—
Ohio.....	5.83	55.0	4.39	4.3	5.90	100.0	3.24
Oklahoma.....	5.06	73.2	3.66	3.6	2.49	100.0	2.48
Oregon.....	5.25	99.0	3.75	14.3	5.92	100.0	1.56
Pennsylvania.....	7.43	56.8	4.15	13.0	5.02	100.0	3.26
Rhode Island.....	8.12	59.2	3.82	7.4	5.15	100.0	3.38
South Carolina.....	6.48	97.9	3.29	86.7	0.19	100.0	3.62
South Dakota.....	4.43	84.2	3.28	35.6	4.95	100.0	1.77
Tennessee.....	6.04	87.3	3.94	33.7	4.98	100.0	NA
Texas.....	4.44	81.0	2.35	14.1	1.77	100.0	2.30
Utah.....	4.34	82.5	3.00	8.6	5.42	100.0	2.11
Vermont.....	5.08	100.0	2.80	100.0	—	—	2.90
Virginia.....	6.12	72.1	4.07	12.8	5.09	100.0	3.10
Washington.....	4.76	86.8	2.64	20.1	3.84	100.0	3.44
West Virginia.....	6.26	49.5	3.39	6.3	2.55	100.0	3.29
Wisconsin.....	4.71	74.0	3.78	22.0	1.13	100.0	2.67
Wyoming.....	4.45	90.5	3.37	2.0	6.30	100.0	8.31
Total.....	5.48	67.0	3.14	15.5	4.59	85.4	2.40

NA = Not available.
— = Not applicable.

Notes: Totals may not equal sum of components due to 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.

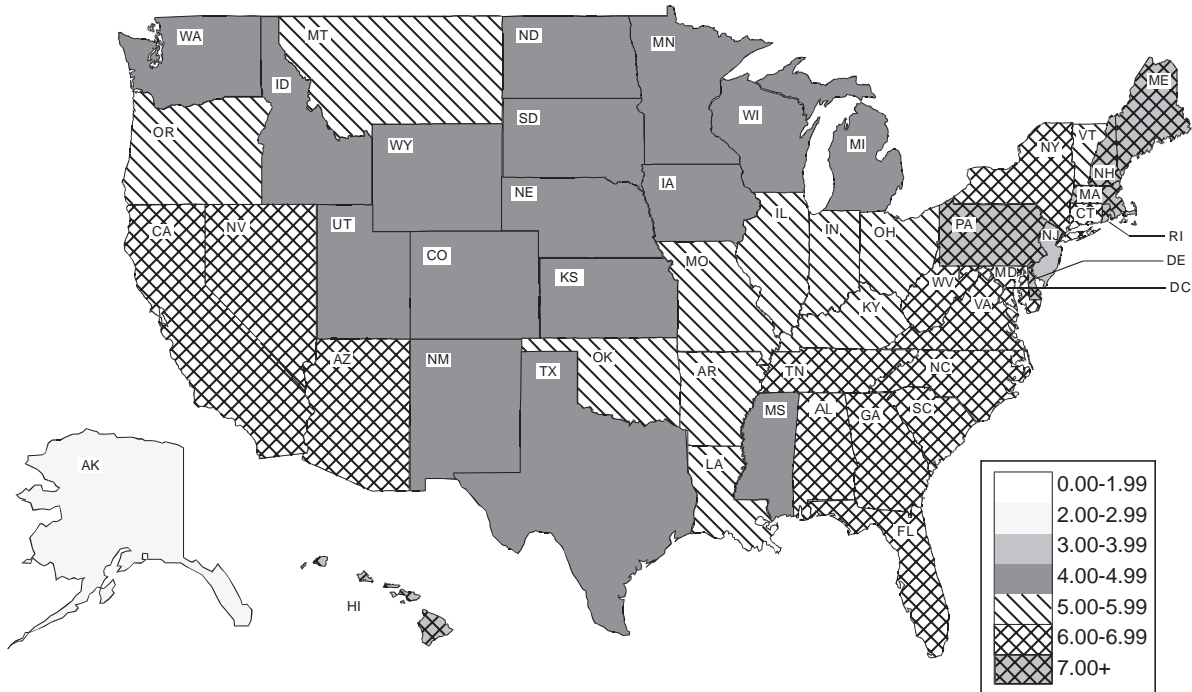
Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," and Federal Energy Regulatory Commission (FERC), Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure 16. Average Price of Natural Gas Delivered to U.S. Residential Consumers, 1998
(Dollars per Thousand Cubic Feet)



Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

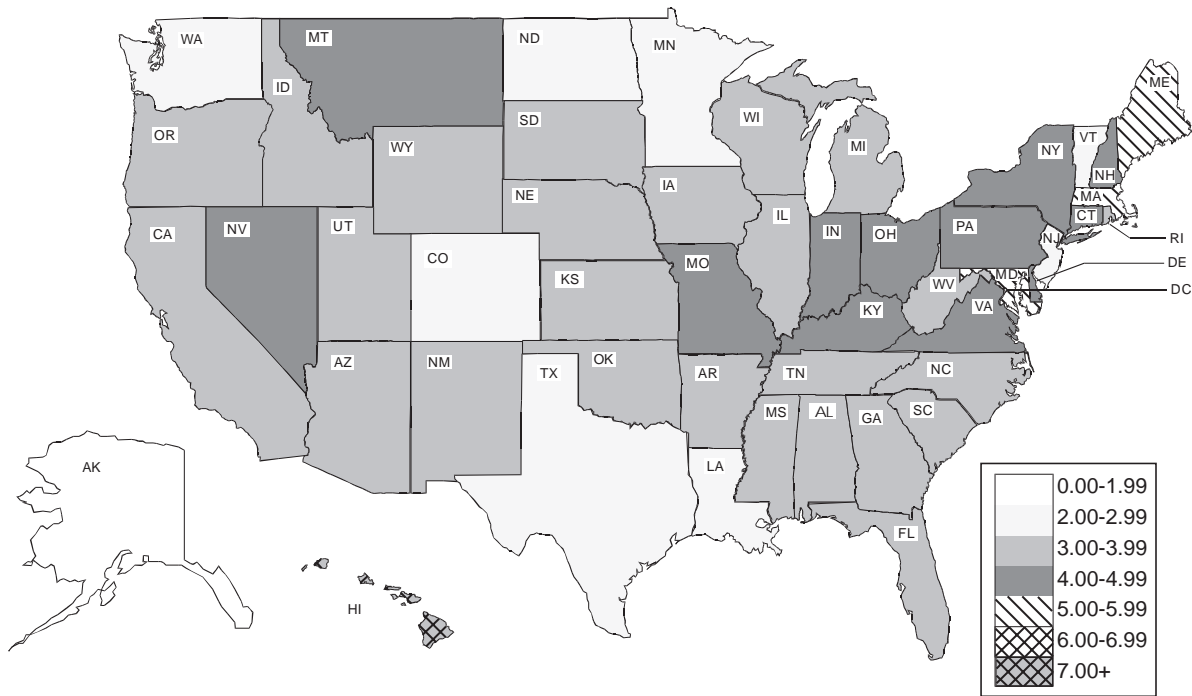
Figure 17. Average Price of Natural Gas Delivered to U.S. Onsystem Commercial Consumers, 1998
(Dollars per Thousand Cubic Feet)



Note: Commercial prices include natural gas delivered for use as vehicle fuel.

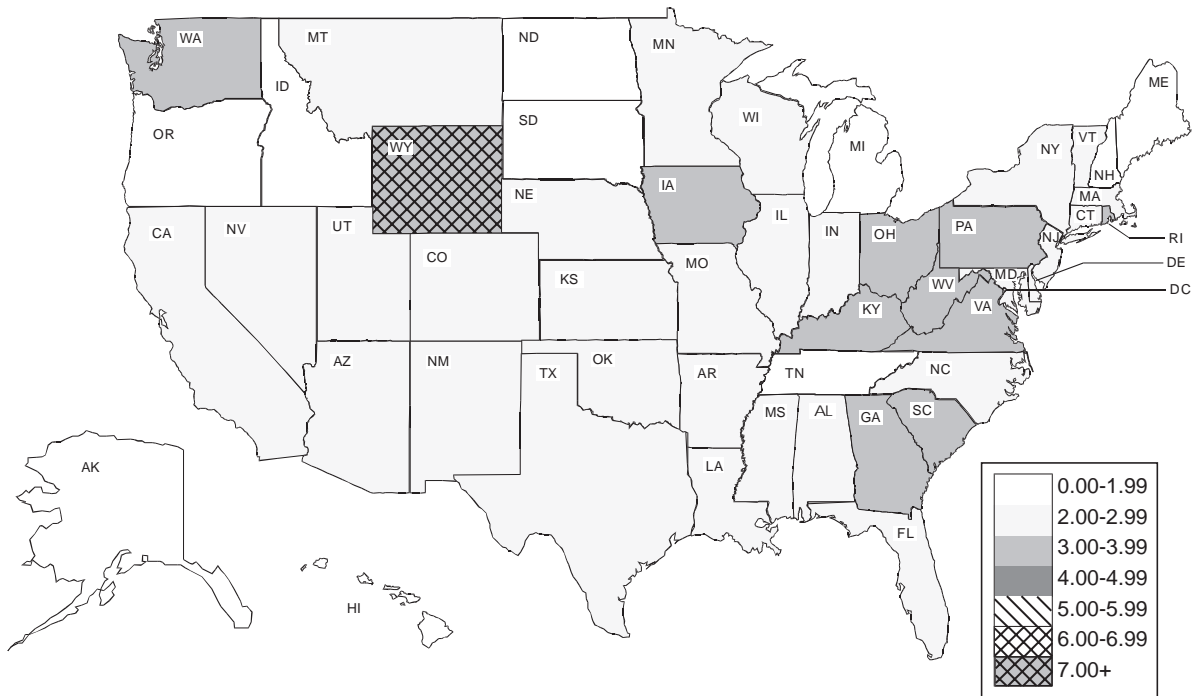
Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 18. Average Price of Natural Gas Delivered to U.S. Onsystem Industrial Consumers, 1998
(Dollars per Thousand Cubic Feet)



Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 19. Average Price of Natural Gas Delivered to U.S. Electric Utilities, 1998
(Dollars per Thousand Cubic Feet)



Sources: Federal Energy Regulatory Commission (FERC), Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 26. Prices of Natural Gas Deliveries to Commercial Consumers by State, 1998
(Dollars per Thousand Cubic Feet)

State	Firm		Interruptible		Total	
	Average Price	Percentage of Total Volume Delivered	Average Price	Percentage of Total Volume Delivered	Total Average Price	Percentage of Total Volume Delivered
Alabama	6.71	87.5	4.05	19.2	6.65	80.5
Alaska	2.41	49.6	—	—	2.41	49.6
Arizona	6.03	84.9	2.80	100.0	6.00	85.0
Arkansas	5.25	89.4	4.65	99.9	5.16	90.8
California	6.39	56.5	4.47	4.6	6.37	48.7
Colorado	4.36	95.7	3.44	46.4	4.34	94.3
Connecticut	9.12	72.8	3.59	63.3	6.90	68.7
D.C.	8.55	100.0	5.25	28.4	7.36	52.3
Delaware	7.05	100.0	—	—	7.05	100.0
Florida	6.46	96.9	3.91	84.6	6.41	96.6
Georgia	6.15	99.9	3.69	23.7	6.00	83.6
Hawaii	14.15	100.0	—	—	14.15	100.0
Idaho	4.62	86.8	—	—	4.62	86.4
Illinois	5.07	47.4	3.62	55.4	5.07	47.4
Indiana	5.50	83.5	5.68	38.1	5.50	79.2
Iowa	4.75	89.3	3.51	52.2	4.67	85.8
Kansas	4.99	93.0	4.70	5.1	4.98	69.5
Kentucky	5.47	93.2	4.04	27.8	5.43	87.4
Louisiana	5.93	98.6	4.88	85.4	5.64	94.6
Maine	7.23	100.0	—	—	7.23	100.0
Maryland	6.83	66.3	4.79	6.8	6.65	36.6
Massachusetts	7.65	75.5	3.59	15.7	7.32	57.9
Michigan	4.90	59.7	3.85	100.0	4.90	59.7
Minnesota	5.03	99.4	2.98	94.0	4.39	97.6
Mississippi	4.88	94.7	3.24	96.9	4.74	94.8
Missouri	5.76	78.7	3.26	66.5	5.69	78.3
Montana	5.14	79.9	4.30	10.7	5.13	77.2
Nebraska	4.63	69.4	2.83	87.2	4.25	72.5
Nevada	6.28	71.8	—	—	6.28	70.2
New Hampshire	7.18	94.1	—	—	7.18	94.1
New Jersey	3.97	60.3	2.84	61.2	3.70	60.5
New Mexico	4.05	67.5	3.39	36.9	4.04	67.0
New York	6.49	65.0	4.29	29.5	6.08	53.1
North Carolina	6.67	91.8	4.04	44.8	6.63	90.6
North Dakota	4.56	94.1	2.69	42.8	4.37	83.8
Ohio	5.83	56.2	5.78	0.8	5.83	55.0
Oklahoma	5.08	73.7	4.56	60.2	5.06	73.2
Oregon	5.25	100.0	—	—	5.25	99.0
Pennsylvania	7.60	60.6	5.24	32.0	7.43	56.8
Rhode Island	8.12	59.2	2.04	100.0	8.12	59.2
South Carolina	7.33	97.3	3.53	100.0	6.48	97.9
South Dakota	4.54	86.5	2.63	58.2	4.43	84.2
Tennessee	6.27	89.5	3.36	67.6	6.04	87.3
Texas	4.44	83.8	3.49	13.4	4.44	81.0
Utah	4.49	97.4	2.58	29.4	4.34	82.5
Vermont	5.08	100.0	—	—	5.08	100.0
Virginia	6.26	85.4	5.02	33.2	6.12	72.1
Washington	5.02	97.2	3.23	53.4	4.76	86.8
West Virginia	6.46	87.1	6.07	34.7	6.26	49.5
Wisconsin	4.76	73.3	3.46	93.7	4.71	74.0
Wyoming	4.59	90.6	2.89	89.9	4.45	90.5
Total	5.64	72.5	3.83	37.0	5.48	67.0

— = Not applicable.

Notes: Totals may not equal sum of components due to 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 27. Prices of Natural Gas Deliveries to Industrial Consumers by State, 1998
(Dollars per Thousand Cubic Feet)

State	Firm		Interruptible		Total	
	Average Price	Percentage of Total Volume Delivered	Average Price	Percentage of Total Volume Delivered	Total Average Price	Percentage of Total Volume Delivered
Alabama.....	3.51	23.7	3.10	22.7	3.30	23.1
Alaska.....	1.34	100.0	—	—	1.34	99.4
Arizona.....	3.23	32.6	3.94	82.1	3.26	33.4
Arkansas.....	3.46	6.6	3.50	26.2	3.48	9.1
California.....	3.77	13.6	3.81	1.9	3.77	9.5
Colorado.....	2.44	18.3	3.81	3.6	2.61	12.1
Connecticut.....	5.42	53.6	3.41	57.9	4.34	55.8
Delaware.....	4.28	19.2	3.55	65.6	4.13	22.4
Florida.....	3.94	5.2	3.99	8.2	3.98	7.0
Georgia.....	4.87	49.5	3.55	21.2	3.92	25.3
Hawaii.....	10.06	100.0	8.36	100.0	8.64	100.0
Idaho.....	3.09	3.9	3.11	0.3	3.09	2.5
Illinois.....	4.14	8.3	2.94	29.5	3.96	9.3
Indiana.....	4.65	28.9	3.58	4.0	4.28	9.2
Iowa.....	3.57	5.7	3.36	10.7	3.49	6.9
Kansas.....	2.96	13.7	3.85	5.2	3.17	9.8
Kentucky.....	4.08	15.2	3.85	25.5	4.00	17.8
Louisiana.....	2.38	6.9	2.25	13.6	2.31	9.3
Maine.....	5.81	84.1	3.01	100.0	5.13	87.4
Maryland.....	6.25	8.1	4.19	6.1	5.26	7.0
Massachusetts.....	6.83	11.8	3.05	18.3	5.69	13.2
Michigan.....	3.92	8.0	3.68	78.6	3.91	8.2
Minnesota.....	4.63	9.2	2.64	71.7	2.88	39.7
Mississippi.....	3.23	29.7	3.20	51.4	3.22	37.6
Missouri.....	4.93	15.6	3.46	37.0	4.51	18.7
Montana.....	4.68	4.1	—	—	4.68	1.5
Nebraska.....	3.91	8.0	2.93	18.3	3.26	12.7
Nevada.....	4.74	5.4	—	—	4.74	5.4
New Hampshire.....	6.52	23.0	2.79	46.6	4.66	30.7
New Jersey.....	3.61	10.7	2.91	72.4	2.97	48.1
New Mexico.....	3.22	11.0	—	—	3.22	9.8
New York.....	4.45	4.4	3.36	12.4	4.02	5.9
North Carolina.....	4.67	40.6	3.54	28.6	3.96	32.1
North Dakota.....	4.36	1.3	2.74	29.2	2.82	14.6
Ohio.....	4.41	4.8	3.84	0.9	4.39	4.3
Oklahoma.....	3.81	5.0	3.18	2.0	3.66	3.6
Oregon.....	3.30	32.8	5.72	4.1	3.75	14.3
Pennsylvania.....	4.30	14.5	3.63	9.6	4.15	13.0
Rhode Island.....	4.13	6.6	2.82	12.3	3.82	7.4
South Carolina.....	3.97	76.8	3.15	89.1	3.29	86.7
South Dakota.....	3.35	48.1	3.11	21.8	3.28	35.6
Tennessee.....	4.38	31.6	3.64	35.3	3.94	33.7
Texas.....	2.28	22.6	3.76	1.5	2.35	14.1
Utah.....	3.71	6.6	2.54	10.7	3.00	8.6
Vermont.....	—	—	2.80	100.0	2.80	100.0
Virginia.....	4.95	5.8	3.67	28.7	4.07	12.8
Washington.....	2.60	22.1	3.06	11.2	2.64	20.1
West Virginia.....	3.40	17.6	2.91	0.2	3.39	6.3
Wisconsin.....	4.22	39.1	3.22	13.9	3.78	22.0
Wyoming.....	3.42	2.6	3.32	1.6	3.37	2.0
Total.....	3.14	15.8	3.15	15.0	3.14	15.5

— = Not applicable.

Notes: Totals may not equal sum of components due to 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 28. Prices of Natural Gas Deliveries to Electric Utilities by State, 1998
(Dollars per Thousand Cubic Feet)

State	Firm		Interruptible	
	Average Price	Percentage of Total Volume Delivered	Average Price	Percentage of Total Volume Delivered
Alabama.....	—	—	2.69	6.5
Alaska.....	1.69	70.2	—	—
Arizona.....	2.45	10.2	—	—
Arkansas.....	—	—	8.71	1.9
California.....	17.65	—	2.07	17.9
Colorado.....	2.93	100.0	2.81	46.6
Connecticut.....	—	—	7.09	3.0
Delaware.....	2.14	5.5	—	—
Florida.....	3.11	0.6	1.87	5.9
Georgia.....	0.87	82.8	—	—
Illinois.....	2.59	10.3	5.19	100.0
Indiana.....	2.80	13.8	—	—
Iowa.....	3.88	8.2	3.08	100.0
Kansas.....	2.47	7.7	—	—
Kentucky.....	3.22	100.0	3.69	100.0
Louisiana.....	1.90	9.9	2.17	5.9
Maryland.....	—	—	5.34	0.1
Massachusetts.....	2.46	18.7	2.74	27.8
Michigan.....	2.58	2.8	2.68	100.0
Minnesota.....	2.56	100.0	2.53	100.0
Mississippi.....	2.62	1.7	—	—
Missouri.....	4.20	0.1	2.19	100.0
Montana.....	1.69	100.0	—	—
Nebraska.....	2.35	100.0	2.52	97.5
Nevada.....	2.44	7.9	—	—
New Jersey.....	2.35	87.0	3.04	34.7
New Mexico.....	3.33	18.1	—	—
New York.....	2.47	86.3	2.63	100.0
North Carolina.....	6.78	100.0	2.88	83.5
North Dakota.....	4.20	100.0	—	—
Ohio.....	6.95	17.1	2.12	16.4
Oklahoma.....	—	—	2.09	99.8
Pennsylvania.....	3.32	11.0	2.93	5.8
South Carolina.....	—	—	3.21	100.0
South Dakota.....	2.57	100.0	—	—
Texas.....	1.93	60.1	4.87	—
Utah.....	6.34	0.1	2.78	2.1
Vermont.....	—	—	3.01	100.0
Virginia.....	—	—	5.20	—
Wisconsin.....	3.09	14.2	2.69	100.0
Total.....	1.99	28.4	2.49	23.7

— = Not applicable.

Notes: States without direct sales are not included. Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 29. Leading Suppliers of Natural Gas Sold to Residential Customers in the United States, 1998
(Volumes in Thousand Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Company	State	Volume	Prices
Southern California Gas Co	CA	269,739,909	7.31
Pacific Gas and Elec Co.....	CA	224,402,286	6.32
Northern Illinois Gas Co.....	IL	196,608,329	4.63
Consumers Pwr Co.....	MI	153,128,350	4.92
Columbia Gas Dist Co.....	OH,KY,PA,MD	138,064,908	7.21
Pub Svc Elec and Gas Co.....	NJ	126,142,540	6.61
Michigan Consol Gas Co.....	MI	125,456,377	5.35
East Ohio Gas Co.....	OH	117,574,196	6.21
Peoples Gas Lt and Coke Co.....	IL	89,685,006	6.81
Atlanta Gas Lt Co.....	GA	89,103,601	6.69
Lone Star Gas Co.....	TX	84,559,915	5.95
Brooklyn Union Gas Co.....	NY	83,736,459	10.42
Pub Svc Co. of Colorado.....	CO	82,238,582	5.15
Natl Fuel Gas Distr.....	PA,NY	67,029,947	8.47
Washington Gas Lt Co.....	DC,VA,MD	64,809,256	8.07
Entex Div of Noram Energy Corp.....	LA,MS,TX	63,914,568	7.15
Peoples Nat Gas Co.....	NE,SD,IA,CO,MN,PA	60,116,532	6.45
Minnegasco.....	MN	58,543,822	5.36
Mountain Fuel Sply Co.....	WY,ID,UT	58,355,459	5.58
Southwest Gas Corp.....	NV,CA,AZ	57,476,121	8.33
Northern Indiana Pub Svc Co.....	IN	57,466,720	6.08
Oklahoma Nat Gas Co.....	OK	52,933,712	5.84
Laclede Gas Co.....	MO	50,967,194	6.58
Kansas Gas Svs Co.....	KS,OK	50,111,227	6.08
MidAmerican Energy Co.....	NE,IA,SD,IL	49,086,853	5.67
Niagara Mohawk Pwr Corp.....	NY	46,202,353	8.27
Con Edison Co. of New York Inc.....	NY	43,580,936	12.02
Arkla A Noram Energy Co.....	OK,AR,LA,TX	43,100,716	7.05
Puget Sound Energy.....	WA	42,267,659	5.99
Indiana Gas Co. Inc.....	IN	41,628,000	7.21
Wisconsin Gas Co.....	WI	40,855,287	6.29
Philadelphia Gas Wks.....	PA	40,440,825	7.99
Boston Gas Co.....	MA	37,920,382	9.51
Southern Union Co.....	MO	37,298,276	6.58
Northern States Pwr Co.....	ND,WI,MI,MN	37,117,847	5.85
Long Island Ltg Co.....	NY	36,543,600	10.47
San Diego Gas and Elec Co.....	CA	35,028,288	7.38
Baltimore Gas and Elec Co.....	MD	32,067,282	8.71
New Jersey Nat Gas Co.....	NJ	32,042,636	9.02
PNM Gas Services.....	NM	30,863,740	5.16
Illinois Pwr Co.....	IL	30,553,586	6.00
Northwest Nat Gas Co.....	OR,WA	30,168,741	6.77
Cincinnati Gas and Elec Co.....	OH	29,806,875	6.60
Peco Energy Co.....	PA	29,560,776	8.47
Wisconsin Elec Pwr Co.....	WI	28,579,409	6.18
Piedmont Nat Gas Co.....	SC,NC	28,474,396	8.31
Alabama Gas Corp.....	AL	28,215,082	8.04
Rochester Gas and Elec Co.....	NY	24,333,900	8.41
Dayton Pwr and Lt Co.....	OH	23,935,222	5.60
NUI Corp.....	NJ,NY,PA,FL,NC,MD	22,461,648	8.74

Notes: Natural gas companies with the 50 largest amounts of on-system sales to residential consumers were selected from the respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." Prices are calculated from the company total reported volumes of on-system sales to residential consumers and the total reported associated revenue. When more than one State of operation is in-

dicated, the price has been calculated from the sum of the volumes and revenues reported by the company for all of the States shown.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 30. Leading Suppliers of Natural Gas Sold to Commercial Consumers in the United States, 1998
(Volumes in Thousand Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Company	State	Volume	Price
Pub Svc Elec and Gas Co.....	NJ	71,383,367	2.72
Con Edison Co. of New York Inc.....	NY	71,235,302	5.13
Southern California Gas Co.....	CA	61,551,245	6.05
Pacific Gas and Elec Co.....	CA	58,085,509	6.62
Minnegasco.....	MN	50,024,506	4.20
Entex Div of Noram Energy Corp.....	LA,MS,TX	48,623,174	5.19
Columbia Gas Dist Co.....	OH,KY,PA,MD	46,215,241	6.54
Consumers Pwr Co.....	MI	41,007,629	4.50
Michigan Consol Gas Co.....	MI	40,961,969	5.29
Pub Svc Co. of Colorado.....	CO	40,196,867	4.35
Lone Star Gas Co.....	TX	37,966,425	4.96
Atlanta Gas Lt Co.....	GA	36,897,621	5.97
Southwest Gas Corp.....	NV,CA,AZ	32,871,498	6.40
Northern Illinois Gas Co.....	IL	32,768,579	4.71
Brooklyn Union Gas Co.....	NY	30,772,503	6.33
East Ohio Gas Co.....	OH	29,257,389	5.69
Mountain Fuel Sply Co.....	WY,ID,UT	26,514,255	4.33
MidAmerican Energy Co.....	NE,IA,SD,IL	26,485,810	4.37
Washington Gas Lt Co.....	DC,VA,MD	26,480,163	6.53
Arkla A Noram Energy Co.....	OK,AR,LA,TX	26,104,931	5.40
Oklahoma Nat Gas Co.....	OK	24,153,094	5.01
Puget Sound Energy.....	WA	23,948,247	4.75
Northern States Pwr Co.....	ND,WI,MI,MN	23,322,358	4.93
Long Island Ltg Co.....	NY	22,501,305	6.73
Peoples Nat Gas Co.....	NE,SD,IA,CO,MN,PA	22,224,251	5.11
Northwest Nat Gas Co.....	OR,WA	22,221,124	5.31
Northern Indiana Pub Svc Co.....	IN	22,017,717	5.14
Boston Gas Co.....	MA	20,786,944	7.16
Peoples Gas Sys Inc.....	FL	20,056,107	6.54
Laclede Gas Co.....	MO	18,894,977	5.29
Wisconsin Gas Co.....	WI	17,992,246	5.00
Wisconsin Elec Pwr Co.....	WI	17,987,411	4.25
Kansas Gas Svs Co.....	KS,OK	17,669,648	5.47
Piedmont Nat Gas Co.....	SC,NC	17,621,162	6.79
Southern Union Co.....	MO	16,841,231	6.24
Niagara Mohawk Pwr Corp.....	NY	16,645,334	6.63
Peco Energy Co.....	PA	16,578,276	7.40
Indiana Gas Co. Inc.....	IN	15,412,876	6.18
Peoples Gas Lt and Coke Co.....	IL	14,474,847	5.86
Natl Fuel Gas Distr.....	PA,NY	14,406,115	7.48
PNM Gas Services.....	NM	13,758,753	3.94
Memphis Lt Gas and Wtr.....	TN	13,407,825	4.54
Illinois Pwr Co.....	IL	13,142,951	4.91
Connecticut Nat Gas Corp.....	CT	13,124,888	5.64
Philadelphia Gas Wks.....	PA	13,032,681	7.57
West Texas Gas Inc.....	OK,NM,TX	12,267,750	3.13
Cincinnati Gas and Elec Co.....	OH	12,160,581	6.51
Commonwealth Gas Co.....	MA	11,902,567	6.80
San Diego Gas and Elec Co.....	CA	11,822,812	6.47
Montana Dakota Util.....	WY,MT,ND,SD	11,656,869	4.52

Notes: Natural gas companies with the 50 largest amounts of on-system sales to commercial consumers were selected from the respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." Prices are calculated from the company total reported volumes of on-system sales to commercial consumers and the total reported associated revenue. When more than one State of operation is indicated, the price has been calculated from the sum of the volumes and revenues re-

ported by the company for all of the States shown. 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 31. Leading Suppliers of Natural Gas Sold and Transported in the United States, 1998
(Thousand Cubic Feet)

Company	Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities	Total
Southern California Gas Co.....	271,780,410	110,726,162	278,809,422	1,818,869	138,826,184	801,961,047
Pacific Gas and Elec Co.....	225,881,609	152,010,740	174,660,660	530,262	125,268,956	678,352,227
Midcon Texas P L Operator Inc.....	0	0	552,267,806	0	109,741,739	662,009,545
Lone Star Gas Co.....	84,559,915	39,926,208	265,224,831	0	172,286,535	561,997,489
Northern Illinois Gas Co.....	205,099,056	82,609,756	133,712,245	2,251	48,524,867	469,948,175
Columbia Gas Dist Co.....	151,708,989	89,151,761	177,068,077	18,365	833,281	418,780,473
Pub Svc Elec and Gas Co.....	126,142,540	110,995,082	142,801,508	0	16,407,898	396,347,028
Michigan Consol Gas Co.....	126,989,815	84,283,544	75,979,978	0	20,204,131	307,457,468
Florida Gas Trans Co.....	0	0	23,551,572	0	274,677,391	298,228,963
Tejas Gas P L.....	0	0	184,585,025	0	112,852,639	297,437,664
Consumers Pwr Co.....	155,357,644	60,547,180	76,605,998	15,603	4,258,141	296,784,566
Bridgeline Gas Dist Co.....	0	0	221,053,031	0	55,443,410	276,496,441
East Ohio Gas Co.....	123,101,020	53,604,362	96,057,067	417,414	1,106,398	274,286,261
Northern Indiana Pub Svc Co.....	57,645,720	27,402,706	177,555,082	44,048	2,876,695	265,524,251
Atlanta Gas Lt Co.....	89,177,488	45,975,588	101,948,487	0	21,568,995	258,670,558
Houston P L Co.....	0	0	156,041,891	0	98,818,636	254,860,527
Oklahoma Nat Gas Co.....	52,933,712	32,555,476	168,526,863	109,493	432,565	254,558,109
Con Edison Co. of New York Inc.....	51,875,742	101,546,943	2,178,076	40,709	96,102,618	251,744,088
Koch Gateway P L Co.....	0	1,214,262	147,752,648	0	82,631,527	231,598,437
Texas Util Fuel Co.....	0	0	0	0	201,094,697	201,094,697
Peoples Nat Gas Co.....	69,712,402	39,706,376	90,083,740	0	463,174	199,965,692
Channel Industries Gas Co.....	0	17,540	143,454,323	0	55,722,942	199,194,805
Peoples Gas Lt and Coke Co.....	112,436,197	46,897,470	33,357,953	55,335	1,609,394	194,356,349
Pub Svc Co. of Colorado.....	82,238,582	40,196,867	63,637,476	0	7,186,112	193,259,037
Niagara Mohawk Pwr Corp.....	46,332,575	50,790,641	91,680,217	16,677	331,533	189,151,643
Tejas Ship Channel LLC.....	0	0	181,613,418	0	0	181,613,418
Southwest Gas Corp.....	57,476,121	43,630,618	27,825,373	190,186	51,115,455	180,237,753
Noram Gas Trans Co.....	0	0	119,741,300	0	53,520,272	173,261,572
PG&E Texas P L LP.....	335	3,244,282	53,075,827	0	115,973,451	172,293,895
Entex Div of Noram Energy Corp.....	63,914,568	53,794,744	49,464,741	0	0	167,174,053
Long Island Ltg Co.....	36,643,806	57,272,454	0	252,980	56,573,189	150,742,429
Brooklyn Union Gas Co.....	89,677,823	60,251,177	0	137,494	0	150,066,494
Natl Fuel Gas Distr.....	69,786,836	31,427,132	44,177,079	0	0	145,391,047
Louisiana Intrastate Gas.....	0	0	132,763,830	0	10,414,629	143,178,459
Mountain Fuel Sply Co.....	58,355,459	31,973,979	45,750,525	145,236	5,651,241	141,876,440
MidAmerican Energy Co.....	49,086,853	32,437,106	51,065,548	1,489	8,123,534	140,714,530
Washington Gas Lt Co.....	70,751,308	59,454,905	0	49,381	4,754,926	135,010,520
Cascade Nat Gas Corp.....	10,582,230	10,006,791	112,657,284	0	1,758,770	135,005,075
San Diego Gas and Elec Co.....	35,207,241	13,219,369	26,425,975	335,752	57,204,467	132,392,804
Minnegasco.....	58,543,822	51,194,260	19,754,546	26,414	1,207,181	130,726,223
Kern River Gas Trans Co.....	0	35,115	124,792,250	0	1,115,558	125,942,923
Northwest Nat Gas Co.....	30,168,741	22,221,124	55,877,104	38,111	15,985,265	124,290,345
Kansas Gas Svs Co.....	50,111,227	27,756,170	29,201,090	0	9,846,158	116,914,645
Dow P L Co.....	3,526	529,138	115,845,353	0	0	116,378,017
Wisconsin Gas Co.....	40,990,662	19,063,784	54,506,789	18,687	12,561	114,592,483
Alabama Gas Corp.....	28,215,082	14,366,378	54,504,452	0	12,572,686	109,658,598
Boston Gas Co.....	37,920,382	52,100,852	13,395,328	5,654	5,622,562	109,044,778
Arkla A Noram Energy Co.....	43,100,716	29,702,627	34,373,636	0	0	107,176,979
Piedmont Nat Gas Co.....	28,474,396	20,939,201	45,894,086	0	9,331,856	104,639,539
Indiana Gas Co. Inc.....	41,628,000	20,356,539	40,946,836	15,954	350,000	103,297,329

Notes: The natural gas companies with the 50 largest amounts of total deliveries were selected from the respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." For each company, the total deliveries include deliveries to residential, commercial, industrial, and electric utility consumers, deliveries of natural gas for vehicle fuel; and all volumes transported to consumers for the account of others. The totals are summed from each company's reports in all States of op-

erations. Number of vehicle fuel consumers generally refers to the number of fueling stations. Totals may not equal sum of components due to 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.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 32. Average Residential Annual Consumption and Cost of Natural Gas per Consumer by State, 1994-1998

State	1994		1995		1996		1997		1998	
	Volume (thousand cubic feet)	Cost (dollars)	Volume (thousand cubic feet)	Cost (dollars)	Volume (thousand cubic feet)	Cost (dollars)	Volume (thousand cubic feet)	Cost (dollars)	Volume (thousand cubic feet)	Cost (dollars)
Alabama.....	67	495	66	452	74	533	62	518	59	485
Alaska.....	192	690	192	695	199	680	181	683	181	664
Arizona.....	47	352	41	318	40	302	43	335	47	402
Arkansas.....	80	455	77	424	86	508	78	520	69	476
California.....	59	378	54	346	53	340	53	360	60	414
Colorado.....	93	456	94	451	97	425	98	469	91	473
Connecticut.....	97	985	95	945	101	1,017	93	961	81	854
D.C.....	117	974	116	931	128	1,175	117	1,101	100	889
Delaware.....	85	633	82	542	92	655	82	685	69	613
Florida.....	28	278	28	280	31	335	25	293	26	293
Georgia.....	72	529	77	474	83	552	74	546	65	439
Hawaii.....	19	318	19	330	17	345	17	363	17	333
Idaho.....	75	399	74	414	80	414	76	389	75	399
Illinois.....	139	763	145	676	154	813	141	841	115	631
Indiana.....	109	683	110	591	121	669	112	714	91	600
Iowa.....	104	563	108	551	114	628	105	646	87	520
Kansas.....	96	490	95	467	106	593	85	549	83	500
Kentucky.....	94	511	96	487	101	558	93	590	76	461
Louisiana.....	56	350	55	330	60	405	55	392	49	330
Maine.....	63	496	61	448	65	506	66	561	58	470
Maryland.....	93	647	91	602	98	747	87	728	75	626
Massachusetts.....	101	907	90	810	96	854	93	879	84	793
Michigan.....	134	669	137	648	142	704	133	691	110	569
Minnesota.....	117	604	119	572	129	705	114	654	95	521
Mississippi.....	67	365	65	343	72	413	65	414	60	363
Missouri.....	96	519	99	513	108	642	99	652	85	557
Montana.....	96	503	97	497	108	525	100	505	88	460
Nebraska.....	104	520	105	509	111	543	106	603	78	399
Nevada.....	63	421	57	384	57	355	59	371	65	465
New Hampshire.....	90	720	88	628	93	690	90	763	80	646
New Jersey.....	104	738	92	665	104	742	99	784	87	640
New Mexico.....	75	423	68	344	79	351	83	485	79	413
New York.....	96	841	93	784	100	887	92	896	82	791
North Carolina.....	73	531	73	504	84	638	71	642	65	567
North Dakota.....	114	592	117	545	129	585	116	577	99	511
Ohio.....	118	691	121	659	125	739	117	787	97	625
Oklahoma.....	82	450	80	446	88	499	82	512	76	450
Oregon.....	74	515	68	460	77	484	71	442	72	490
Pennsylvania.....	112	835	109	778	115	845	107	892	87	739
Rhode Island.....	87	789	85	685	92	783	85	820	79	756
South Carolina.....	56	431	61	460	69	512	58	486	55	459
South Dakota.....	101	532	102	513	111	581	101	582	87	489
Tennessee.....	75	458	75	430	84	524	74	511	66	441
Texas.....	64	382	60	355	65	385	66	419	55	341
Utah.....	97	482	94	443	97	432	102	525	97	538
Vermont.....	108	751	98	667	103	662	103	660	92	602
Virginia.....	90	690	91	655	96	766	91	782	75	638
Washington.....	88	501	83	487	93	526	88	496	84	490
West Virginia.....	100	664	100	705	104	733	99	676	82	601
Wisconsin.....	102	642	105	613	112	674	100	642	83	513
Wyoming.....	99	503	102	491	103	437	103	474	100	517
Total.....	91	582	89	541	95	602	89	616	79	538

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Census Division Summaries



An overhead view of a natural gas processing plant.

Table 33. Natural Gas Delivered to Consumers by Census Division, 1998

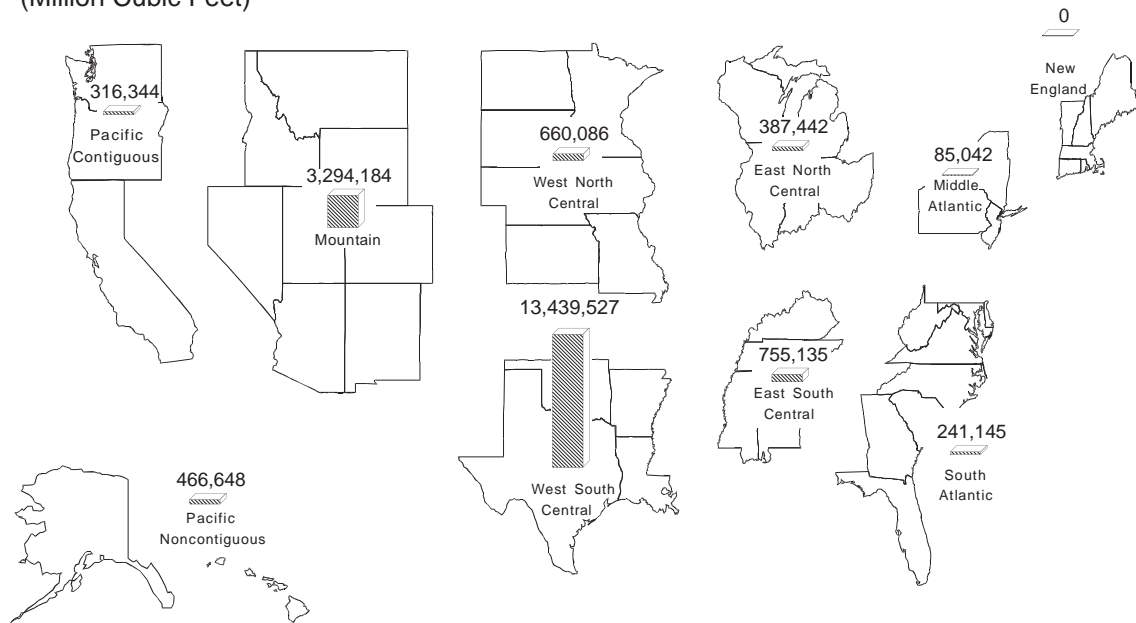
Census Division	Residential		Commercial		Industrial	
	Quantity (million cubic feet)	Consumers	Quantity (million cubic feet)	Consumers	Quantity (million cubic feet)	Consumers
New England	163,483	1,980,506	156,146	202,286	210,342	15,556
Middle Atlantic	754,098	8,863,194	612,992	799,672	687,745	29,303
East North Central	1,282,157	12,433,376	649,117	1,030,125	1,351,611	63,863
West North Central	422,855	4,859,806	277,411	523,570	465,837	29,837
South Atlantic	379,628	5,794,996	312,424	526,487	697,640	16,213
East South Central	186,321	2,836,854	131,922	311,731	517,935	10,713
West South Central	351,740	5,990,194	265,515	543,636	3,290,856	14,326
Mountain	317,559	4,048,727	211,438	361,974	324,585	10,081
Pacific Contiguous	646,284	10,396,932	353,701	729,079	1,063,277	41,513
Pacific Noncontiguous	16,151	117,161	28,825	15,937	76,319	33
Total	4,520,276	57,321,746	2,999,491	5,044,497	8,686,147	231,438

Census Division	Vehicle Fuel	Electric Utilities	Delivered to Consumers	Heating Value (Btu per cubic foot)
	Quantity (million cubic feet)	Quantity (million cubic feet)	Quantity (million cubic feet)	
New England	89	45,073	575,132	1,023
Middle Atlantic	497	246,234	2,301,567	1,032
East North Central	649	137,766	3,421,300	1,023
West North Central	42	74,525	1,240,670	1,009
South Atlantic	204	366,270	1,756,166	1,040
East South Central	18	113,882	950,078	1,037
West South Central	120	1,776,122	5,684,353	1,044
Mountain	577	156,010	1,010,169	1,024
Pacific Contiguous	2,881	313,388	2,379,531	1,046
Pacific Noncontiguous	0	28,784	150,080	1,000
Total	5,079	3,258,054	19,469,047	1,031

Notes: Totals may not equal sum of components due to 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.

Sources: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 20. Marketed Production of Natural Gas by Census Division, 1998 (Million Cubic Feet)



Sources: West Virginia, 1998: Energy Information Administration (EIA), *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and EIA computations. All other data: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," and the United States Minerals Management Service.

Table 34. Average Price of Natural Gas Delivered to Consumers by Census Division, 1997-1998
(Dollars per Thousand Cubic Feet)

Census Division	Residential		Commercial	
	1997	1998	1997	1998
New England.....	9.57	9.59	7.35	7.18
Middle Atlantic.....	8.84	8.66	6.55	5.76
East North Central.....	6.04	5.80	5.51	5.20
West North Central.....	6.13	5.90	5.14	4.77
South Atlantic.....	8.24	8.02	6.65	6.38
East South Central.....	7.00	6.80	6.03	5.77
West South Central.....	6.45	6.26	5.17	4.74
Mountain.....	5.43	5.84	^R 4.41	4.81
Pacific Contiguous.....	6.65	6.81	5.85	5.91
Pacific Noncontiguous.....	4.37	4.18	3.86	3.76

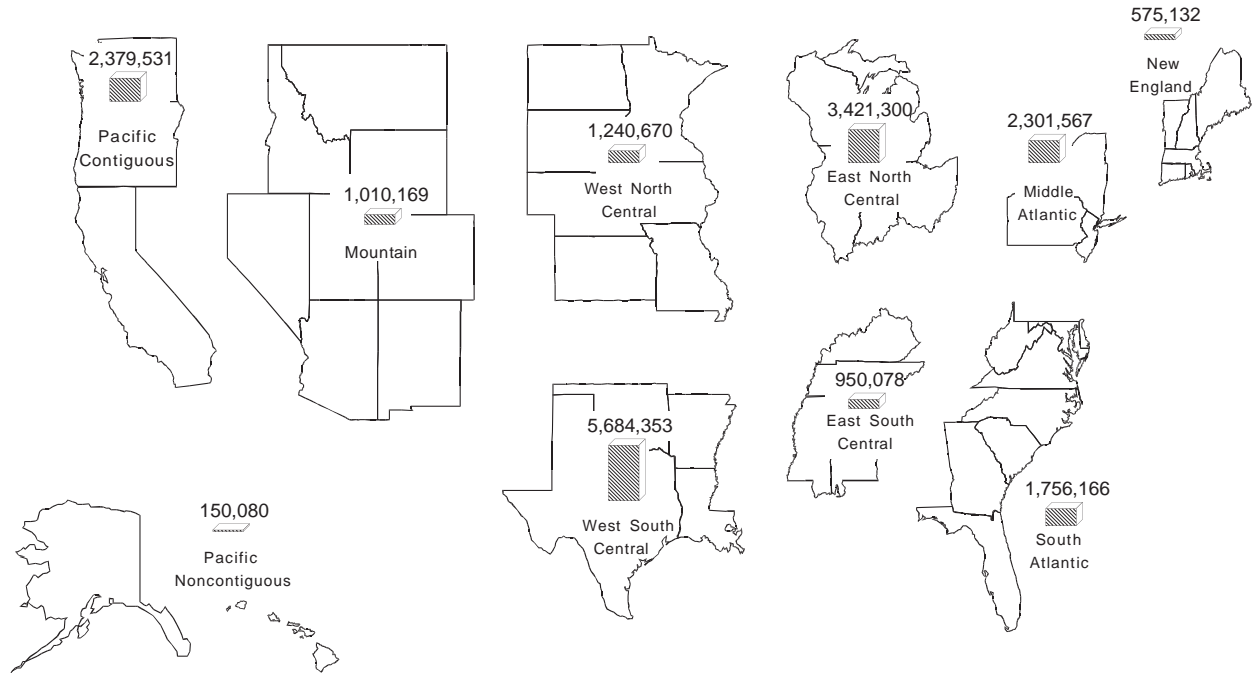
Census Division	Industrial		Vehicle Fuel		Electric Utilities	
	1997	1998	1997	1998	1997	1998
New England.....	5.08	4.79	5.51	4.99	3.06	2.90
Middle Atlantic.....	4.18	3.33	4.22	6.53	2.90	2.61
East North Central.....	4.22	4.03	5.30	4.99	^R 2.14	2.04
West North Central.....	3.68	3.25	3.72	2.77	2.56	2.27
South Atlantic.....	4.17	3.67	4.39	4.12	2.59	2.45
East South Central.....	3.88	3.59	5.09	4.80	2.70	2.30
West South Central.....	2.89	2.40	2.87	2.58	2.73	2.33
Mountain.....	^R 3.54	3.09	4.29	4.45	^R 2.56	2.39
Pacific Contiguous.....	3.77	3.52	4.48	4.24	^R 3.33	2.70
Pacific Noncontiguous.....	1.58	1.38	—	—	1.74	1.80

^R = Revised data.
— = Not applicable.

Notes: All average prices are volume weighted. 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.

Sources: Energy Information Administration (EIA), Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 21. Natural Gas Delivered to Consumers by Census Division, 1998
(Million Cubic Feet)



Sources: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

New England — Natural Gas 1998








	Million Cu. Feet	Percent of National Total		Million Cu. Feet	Percent of National Total
	Net Interregion Movements:			Industrial:	
	568,143			210,342	2.42
	Marketed Production:			Vehicle Fuel:	
	0	0.00		89	1.75
Deliveries to Consumers:					
	Residential:			Electric Utilities:	
	163,483	3.62		45,073	1.38
	Commercial:		Total:		2.95
	156,146	5.21		575,132	

Table 35. Summary Statistics for Natural Gas — New England, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at Region Borders					
Imports	50,983	31,199	51,968	66,526	61,529
Intransit Receipts	0	0	0	0	0
Interregion Receipts	489,523	797,531	712,656	658,662	585,306
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	14,884	11,066	14,682	10,848	11,231
Supplemental Gas Supplies.....	352	704	728	341	229
Balancing Item.....	80,062	-154,372	-96,795	R-6,527	1,955
Total Supply.....	635,804	686,127	683,239	R729,850	660,251

See footnotes at end of table.

Table 35. Summary Statistics for Natural Gas — New England, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	560,725	597,314	600,455	^R 635,406	578,235
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	66,911	81,304	73,535	87,496	78,692
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	8,168	7,510	9,248	6,948	3,323
Total Disposition	635,804	686,127	683,239	^R729,850	660,251
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	3,866	3,757	4,240	5,717	3,103
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	188,530	173,680	187,469	181,610	163,483
Commercial	147,127	143,825	160,761	173,994	156,146
Industrial	172,631	184,704	167,354	178,011	210,342
Vehicle Fuel	13	26	40	64	89
Electric Utilities	48,558	91,321	80,592	^R 96,011	45,073
Total Delivered to Consumers	556,859	593,556	596,215	^R629,689	575,132
Total Consumption	560,725	597,314	600,455	^R635,406	578,235
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	103	1,038	1,986
Commercial	27,587	19,340	30,732	50,219	56,279
Industrial	105,989	110,773	102,985	121,381	166,624
Electric Utilities	36,933	66,144	72,933	84,633	47,551
Firm Deliveries (million cubic feet)					
Residential	188,194	173,332	187,167	181,342	163,274
Commercial	110,544	118,969	128,799	126,561	111,200
Industrial	126,440	129,113	116,010	123,280	155,771
Electric Utilities	28,168	46,288	72,058	80,648	40,235
Vehicle Fuel	10	19	22	32	43
Interruptible Deliveries (million cubic feet)					
Residential	336	348	302	268	209
Commercial	36,583	24,856	31,962	47,433	44,945
Industrial	46,191	55,591	51,343	54,731	54,570
Electric Utilities	22,465	40,637	8,843	13,235	12,041
Vehicle Fuel	2	6	18	32	46
Number of Consumers					
Residential	1,918,291	1,928,388	1,940,894	1,971,242	1,980,506
Commercial	180,043	193,778	197,567	201,742	202,286
Industrial	13,274	14,940	15,231	15,354	15,556
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	98	90	97	92	83
Commercial	817	742	814	862	772
Industrial	13,005	12,363	10,988	11,594	13,522
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	2.43	2.52	2.94	2.82	2.60
Exports	—	—	—	—	—
Pipeline Fuel	2.72	2.19	3.09	2.25	2.55
City Gate	4.00	3.82	4.33	4.25	4.22
Delivered to Consumers					
Residential	9.16	9.06	9.03	9.57	9.59
Commercial	7.04	6.78	6.96	7.35	7.18
Industrial	4.75	4.34	4.99	5.08	4.79
Vehicle Fuel	3.57	5.20	6.13	5.51	4.99
Electric Utilities	2.26	2.04	2.79	3.06	2.90

^R = Revised data.
NA = Not available.
— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The New England Census Division includes Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont. 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

Middle Atlantic — Natural Gas 1998




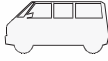



	Million Cu. Feet	Percent of National Total		Million Cu. Feet	Percent of National Total
	Net Interregion Movements: 2,158,616			Industrial: 687,745	7.92
	Marketed Production: 85,042			Vehicle Fuel: 497	9.79
Deliveries to Consumers:					
	Residential: 754,098	16.68		Electric Utilities: 246,234	7.56
	Commercial: 612,992	20.44	Total: 2,301,567		11.82

Table 36. Summary Statistics for Natural Gas — Middle Atlantic, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	2,042	1,679	1,928	2,076	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	26,180	37,159	38,000	38,423	27,479
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	140,444	128,677	152,494	95,525	84,756
From Oil Wells.....	539	723	641	669	291
Total.....	140,982	129,400	153,134	96,193	85,047
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	140,982	129,400	153,134	96,193	85,047
Vented and Flared.....	11	0	3	5	5
Marketed Production	140,971	129,400	153,131	96,188	85,042
Extraction Loss.....	513	582	603	734	732
Total Dry Production.....	140,458	128,818	152,528	95,454	84,310
Supply (million cubic feet)					
Dry Production.....	140,458	128,818	152,528	95,454	84,310
Receipts at Region Borders					
Imports	562,267	630,321	652,578	656,332	666,256
Intransit Receipts	0	0	0	0	0
Interregion Receipts	2,172,434	2,710,896	2,637,885	2,477,005	2,180,519
Withdrawals from Storage					
Underground Storage.....	405,137	472,085	379,865	408,606	340,751
LNG Storage	9,429	7,789	9,204	9,942	9,124
Supplemental Gas Supplies.....	9,449	8,856	8,304	7,479	9,862
Balancing Item.....	-10,334	-204,005	-98,057	R48,909	145,542
Total Supply.....	3,288,840	3,754,759	3,742,307	R3,703,728	3,436,365

See footnotes at end of table.

Table 36. Summary Statistics for Natural Gas — Middle Atlantic, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	2,294,581	2,452,718	2,461,386	R ² ,543,080	2,346,458
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interregion Deliveries	576,334	900,983	815,681	770,561	688,159
Additions to Storage					
Underground Storage.....	406,139	393,554	452,765	379,922	391,417
LNG Storage	11,786	7,504	12,476	10,166	10,331
Total Disposition	3,288,840	3,754,759	3,742,307	R³,703,728	3,436,365
Consumption (million cubic feet)					
Lease Fuel.....	3,917	3,963	4,021	2,800	2,120
Pipeline Fuel.....	46,496	48,439	51,574	50,057	42,549
Plant Fuel	116	181	217	253	222
Delivered to Consumers					
Residential.....	870,685	831,564	904,490	855,061	754,098
Commercial	493,738	514,052	558,149	633,706	612,992
Industrial.....	641,701	737,518	767,093	746,158	687,745
Vehicle Fuel.....	67	143	89	636	497
Electric Utilities.....	237,862	316,859	175,752	R ² 54,409	246,234
Total Delivered to Consumers	2,244,053	2,400,136	2,405,574	R²,489,970	2,301,567
Total Consumption.....	2,294,581	2,452,718	2,461,386	R²,543,080	2,346,458
Delivered for the Account of Others (million cubic feet)					
Residential.....	3,366	3,231	4,086	10,199	34,274
Commercial	92,186	119,691	144,044	239,774	271,752
Industrial.....	449,203	548,334	585,683	590,924	544,169
Electric Utilities.....	24,666	52,081	22,419	27,442	19,140
Firm Deliveries (million cubic feet)					
Residential.....	867,990	828,221	900,974	851,683	751,801
Commercial	429,236	444,765	475,115	486,477	448,342
Industrial.....	382,825	475,352	516,690	511,093	447,848
Electric Utilities	69,631	69,473	35,974	49,079	61,501
Vehicle Fuel.....	40	138	78	619	477
Interruptible Deliveries (million cubic feet)					
Residential.....	2,695	3,343	3,516	3,378	2,297
Commercial	64,501	69,287	83,034	147,229	164,650
Industrial.....	258,876	262,166	250,404	235,065	239,897
Electric Utilities	149,733	230,445	138,219	181,415	165,045
Vehicle Fuel.....	28	4	11	16	20
Number of Consumers					
Residential.....	8,491,832	8,567,740	8,627,697	8,723,538	8,863,194
Commercial	727,372	740,637	754,944	756,384	799,672
Industrial.....	38,829	39,174	31,880	47,242	29,303
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	103	97	105	98	85
Commercial	679	694	739	838	767
Industrial.....	16,526	18,827	24,062	15,794	23,470
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.70	2.76	—	0.43	0.50
Imports	2.44	2.31	2.94	2.90	2.55
Exports	—	—	—	—	—
Pipeline Fuel.....	2.45	1.95	2.66	2.62	2.01
City Gate	3.22	2.88	3.22	4.17	3.23
Delivered to Consumers					
Residential.....	7.94	7.75	8.00	8.84	8.66
Commercial	6.37	6.04	6.57	6.55	5.76
Industrial.....	4.02	3.60	4.11	4.18	3.33
Vehicle Fuel.....	4.11	2.56	4.95	4.22	6.53
Electric Utilities.....	2.28	2.13	2.96	2.90	2.61

R = Revised data.
 NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The Middle Atlantic Census Division includes New Jersey, New York, and Pennsylvania. 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

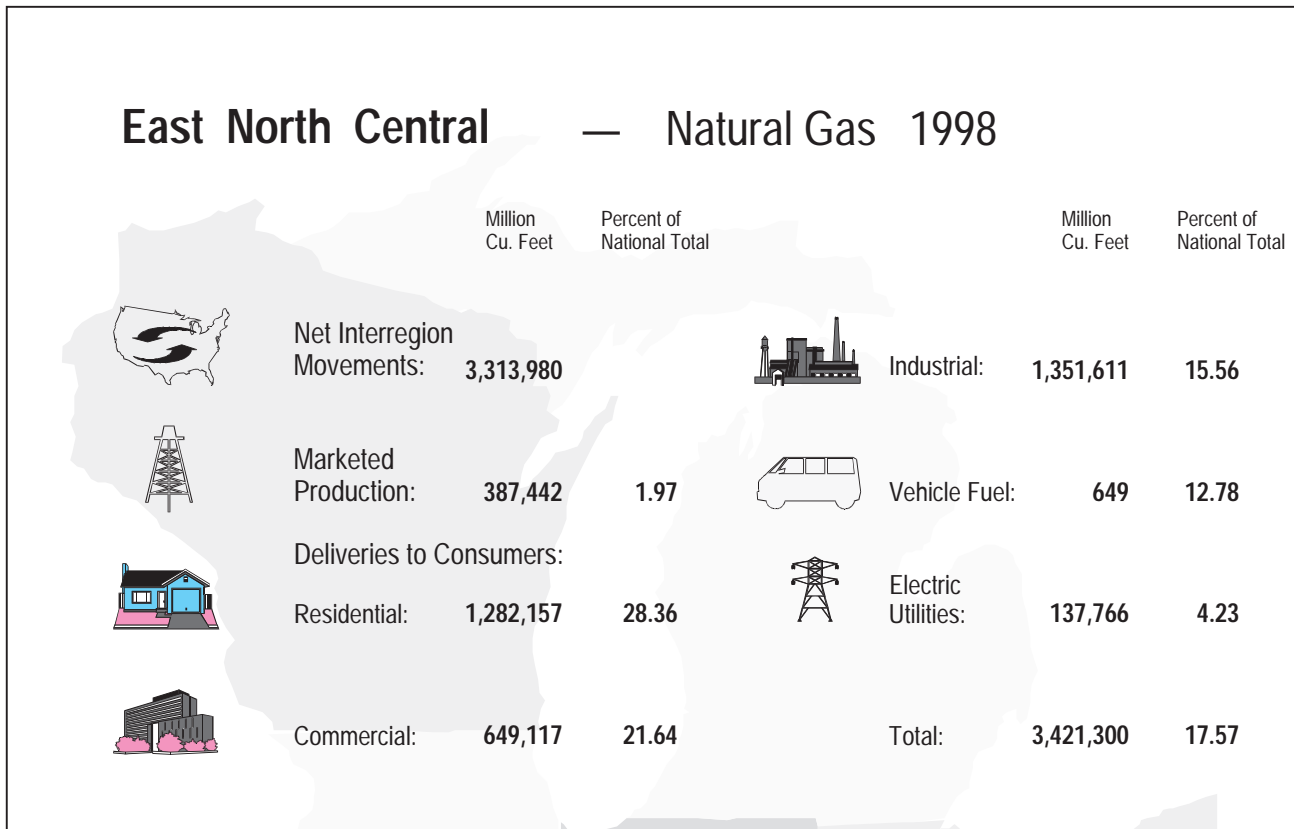


Table 37. Summary Statistics for Natural Gas — East North Central, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	2,417	2,348	3,174	3,180	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	42,469	41,497	41,943	42,893	42,762
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	269,569	273,230	321,023	366,288	336,352
From Oil Wells.....	91,342	97,557	50,290	62,330	56,754
Total.....	360,912	370,787	371,313	428,618	393,106
Repressuring	2,340	2,340	2,340	2,340	2,340
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	358,572	368,447	368,973	426,278	390,766
Vented and Flared.....	3,324	3,324	3,324	3,324	3,324
Marketed Production	355,248	365,123	365,649	422,954	387,442
Extraction Loss.....	6,555	6,499	6,548	6,430	6,086
Total Dry Production.....	348,693	358,624	359,101	416,524	381,356
Supply (million cubic feet)					
Dry Production.....	348,693	358,624	359,101	416,524	381,356
Receipts at Region Borders					
Imports	17,320	26,475	29,043	23,356	47,343
Intransit Receipts	0	0	0	0	0
Interregion Receipts	5,768,472	5,741,430	6,154,619	5,696,454	4,914,428
Withdrawals from Storage					
Underground Storage.....	796,260	1,006,179	910,748	856,274	717,781
LNG Storage	4,366	2,056	6,159	2,443	1,619
Supplemental Gas Supplies.....	25,453	31,739	30,803	31,412	29,045
Balancing Item.....	-592,118	-224,388	-301,713	R-138,137	-117,314
Total Supply.....	6,368,446	6,942,115	7,188,760	R6,888,326	5,974,259

See footnotes at end of table.

Table 37. Summary Statistics for Natural Gas — East North Central, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	3,669,234	3,861,266	4,047,077	^R 3,913,281	3,494,741
Deliveries at Region Borders					
Exports	49,470	26,948	50,363	56,447	39,683
Intransit Deliveries	472,499	492,481	536,333	516,620	459,461
Interregion Deliveries	1,250,698	1,733,313	1,579,239	1,522,865	1,148,647
Additions to Storage					
Underground Storage	922,315	826,215	970,171	876,167	829,995
LNG Storage	4,230	1,891	5,577	2,946	1,733
Total Disposition	6,368,446	6,942,115	7,188,760	^R6,888,326	5,974,259
Consumption (million cubic feet)					
Lease Fuel	7,707	7,461	6,685	10,566	7,263
Pipeline Fuel	70,970	67,520	77,069	73,062	62,980
Plant Fuel	3,504	3,459	3,123	2,793	3,197
Delivered to Consumers					
Residential	1,467,349	1,535,648	1,640,926	1,536,570	1,282,157
Commercial	701,852	740,654	790,682	749,428	649,117
Industrial	1,349,295	1,406,125	1,455,204	1,438,604	1,351,611
Vehicle Fuel	186	375	465	442	649
Electric Utilities	68,371	100,024	72,922	^R 101,816	137,766
Total Delivered to Consumers	3,587,053	3,782,826	3,960,199	^R3,826,860	3,421,300
Total Consumption	3,669,234	3,861,266	4,047,077	^R3,913,281	3,494,741
Delivered for the Account of Others (million cubic feet)					
Residential	35,364	38,836	39,092	42,592	53,475
Commercial	197,813	224,954	231,829	250,018	264,646
Industrial	1,144,409	1,209,358	1,251,876	1,263,760	1,228,012
Electric Utilities	59,337	82,892	62,042	88,399	119,413
Firm Deliveries (million cubic feet)					
Residential	1,467,338	1,535,619	1,640,893	1,536,570	1,282,157
Commercial	683,434	719,469	769,657	731,567	635,838
Industrial	936,791	997,523	1,040,951	1,054,293	965,199
Electric Utilities	58,370	75,190	60,289	91,274	121,648
Vehicle Fuel	160	350	442	422	630
Interruptible Deliveries (million cubic feet)					
Residential	11	28	34	0	0
Commercial	18,418	21,185	21,025	17,861	13,279
Industrial	412,504	408,602	414,253	384,311	386,412
Electric Utilities	10,847	22,997	12,661	13,124	17,261
Vehicle Fuel	26	25	23	20	19
Number of Consumers					
Residential	11,749,087	11,942,604	12,116,529	12,293,628	12,433,376
Commercial	969,251	989,497	1,007,756	^R 1,018,311	1,030,125
Industrial	59,407	58,737	62,460	63,756	63,863
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	125	129	135	125	103
Commercial	724	749	785	^R 736	630
Industrial	22,713	23,939	23,298	22,564	21,164
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.13	1.90	2.35	2.33	1.90
Imports	2.16	1.90	2.89	2.84	2.15
Exports	2.49	1.97	2.66	2.52	2.25
Pipeline Fuel	1.35	1.20	2.06	2.04	1.92
City Gate	3.10	2.96	3.43	3.65	3.20
Delivered to Consumers					
Residential	5.61	5.05	5.44	6.04	5.80
Commercial	5.08	4.57	4.94	5.51	5.20
Industrial	4.03	3.38	3.79	4.22	4.03
Vehicle Fuel	4.27	4.80	4.81	5.30	4.99
Electric Utilities	1.95	1.52	1.91	^R 2.14	2.04

^R = Revised data.

NA = Not available.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The East North Central Census Division includes Illinois, Indiana, Michigan, Ohio, and Wisconsin. 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of

Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

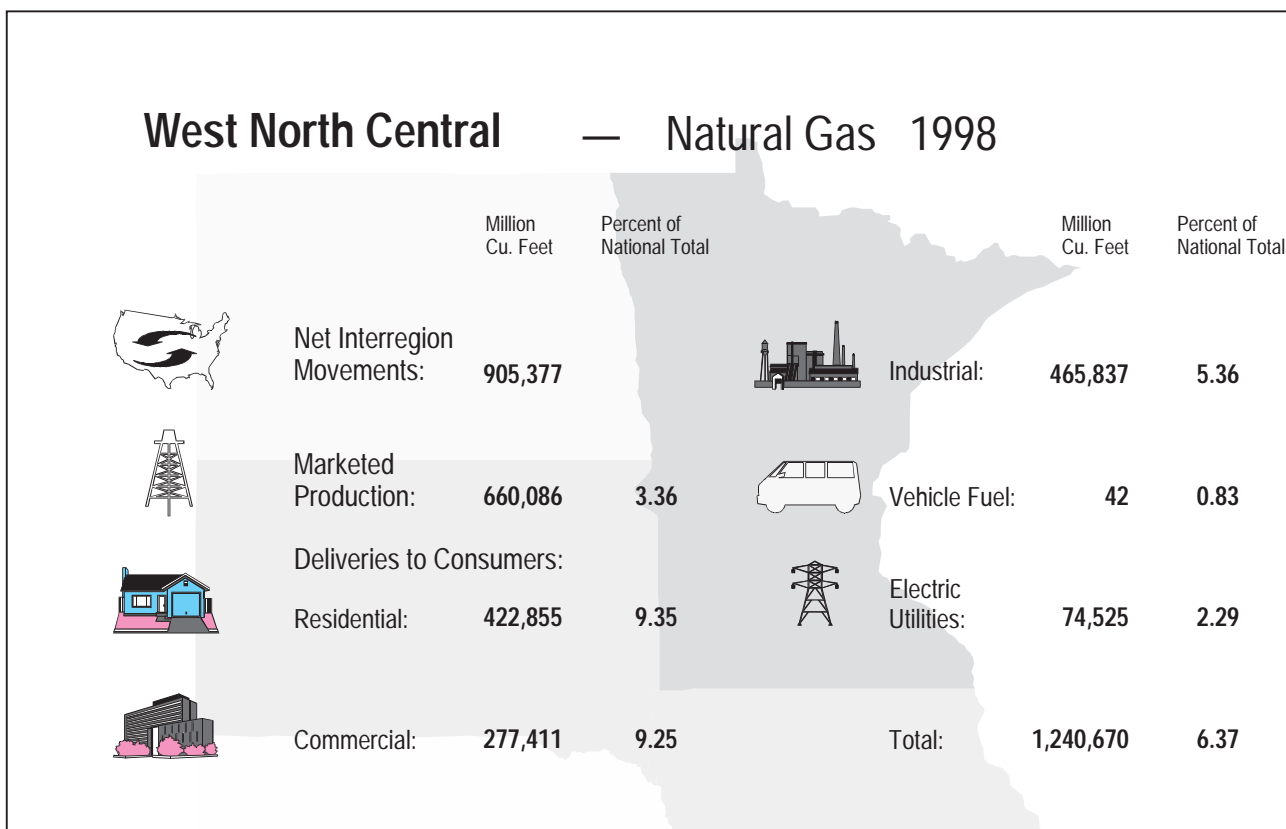


Table 38. Summary Statistics for Natural Gas — West North Central, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	9,663	9,034	8,156	7,468	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	19,623	22,277	21,669	21,755	21,253
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	651,594	655,917	648,822	638,038	552,800
From Oil Wells.....	136,468	134,776	133,390	118,776	120,981
Total.....	788,062	790,693	782,213	756,814	673,780
Repressuring	3,814	4,043	4,846	1,353	1,029
Nonhydrocarbon Gases Removed.....	358	93	358	^R 6,719	6,163
Wet After Lease Separation	783,890	786,558	777,009	^R 748,743	666,588
Vented and Flared.....	9,012	12,145	11,309	^R 5,853	6,503
Marketed Production	774,878	774,412	765,699	^R 742,889	660,086
Extraction Loss.....	52,615	52,769	52,933	43,300	51,282
Total Dry Production.....	722,263	721,643	712,766	^R699,589	608,804
Supply (million cubic feet)					
Dry Production.....	722,263	721,643	712,766	^R 699,589	608,804
Receipts at Region Borders					
Imports	389,083	411,442	407,584	410,378	484,421
Intransit Receipts	487,760	492,481	536,333	548,000	481,581
Interregion Receipts	2,646,848	2,631,598	2,738,559	2,745,142	2,672,697
Withdrawals from Storage					
Underground Storage.....	184,339	201,673	191,901	169,094	176,684
LNG Storage	9,426	7,976	10,076	3,992	2,662
Supplemental Gas Supplies.....	58,861	57,739	58,063	54,370	54,793
Balancing Item.....	-11,556	191,045	113,042	^R 18,920	-205,182
Total Supply.....	4,487,023	4,715,599	4,768,324	^R4,649,486	4,276,459

See footnotes at end of table.

Table 38. Summary Statistics for Natural Gas — West North Central, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	1,458,364	1,478,863	1,517,291	R1,456,056	1,344,131
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	2,822,161	3,045,926	3,054,287	2,999,967	2,733,322
Additions to Storage					
Underground Storage	196,072	184,604	182,579	189,137	196,460
LNG Storage	10,427	6,206	14,166	4,326	2,545
Total Disposition	4,487,023	4,715,599	4,768,324	R4,649,486	4,276,459
Consumption (million cubic feet)					
Lease Fuel	22,393	26,035	26,540	R25,742	4,737
Pipeline Fuel	72,735	82,769	90,328	89,122	73,333
Plant Fuel	34,050	33,054	34,730	30,632	25,392
Delivered to Consumers					
Residential	464,344	480,802	528,662	479,287	422,855
Commercial	310,307	321,563	347,721	R308,879	277,411
Industrial	511,094	477,913	449,511	R474,412	465,837
Vehicle Fuel	67	56	100	84	42
Electric Utilities	43,374	56,671	39,700	R47,898	74,525
Total Delivered to Consumers	1,329,186	1,337,005	1,365,694	R1,310,560	1,240,670
Total Consumption	1,458,364	1,478,863	1,517,291	R1,456,056	1,344,131
Delivered for the Account of Others (million cubic feet)					
Residential	0	13	62	1	2,295
Commercial	41,350	48,810	55,393	R45,087	45,341
Industrial	419,331	388,592	359,469	R378,111	382,269
Electric Utilities	18,588	25,620	17,157	28,615	45,554
Firm Deliveries (million cubic feet)					
Residential	464,344	480,681	528,571	479,221	422,797
Commercial	264,945	273,315	298,135	R256,805	225,262
Industrial	339,769	303,483	304,188	R275,363	293,223
Electric Utilities	16,040	22,034	14,938	23,894	37,338
Vehicle Fuel	67	54	61	61	13
Interruptible Deliveries (million cubic feet)					
Residential	0	122	91	66	58
Commercial	45,362	48,248	49,586	52,074	52,149
Industrial	171,324	174,430	145,323	R199,049	172,614
Electric Utilities	14,725	19,325	9,550	11,710	22,206
Vehicle Fuel	0	1	39	23	29
Number of Consumers					
Residential	4,495,448	4,545,173	4,619,457	4,693,375	4,859,806
Commercial	499,138	501,899	509,593	R503,092	523,570
Industrial	12,557	13,617	13,910	R26,817	29,837
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	103	106	114	102	87
Commercial	622	641	682	614	530
Industrial	40,702	35,097	32,316	R17,691	15,613
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.48	1.28	1.79	2.05	1.74
Imports	2.06	1.80	2.37	2.44	2.06
Exports	—	—	—	—	—
Pipeline Fuel	1.06	1.00	1.70	1.75	1.32
City Gate	2.99	2.60	3.17	3.75	3.11
Delivered to Consumers					
Residential	5.26	4.97	5.54	6.13	5.90
Commercial	4.44	4.08	4.71	5.14	4.77
Industrial	3.27	2.73	3.37	3.68	3.25
Vehicle Fuel	2.99	2.41	3.05	3.72	2.77
Electric Utilities	2.02	1.71	2.36	2.56	2.27

R = Revised data.
 NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The West North Central Census Division includes Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota. 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

South Atlantic — Natural Gas 1998

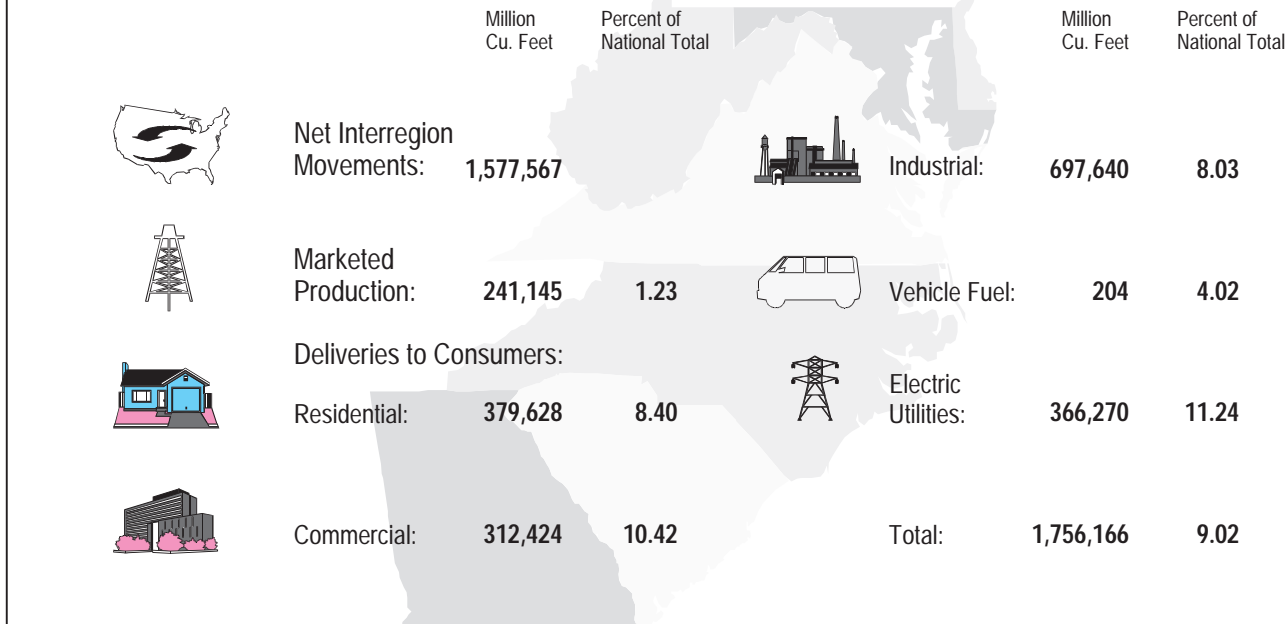


Table 39. Summary Statistics for Natural Gas — South Atlantic, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	4,496	4,427	4,729	5,388	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	41,307	37,822	36,827	33,054	41,468
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	234,058	236,072	R224,264	230,634	235,350
From Oil Wells.....	8,468	7,133	6,706	6,907	6,547
Total	242,526	243,204	R230,969	237,541	241,897
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	762	642	700	793	751
Wet After Lease Separation	241,764	242,562	R230,269	236,748	241,145
Vented and Flared.....	220	28	0	0	0
Marketed Production	241,544	242,534	R230,269	236,748	241,145
Extraction Loss.....	12,690	9,026	8,742	8,742	8,860
Total Dry Production.....	228,854	233,508	R221,527	228,006	232,285
Supply (million cubic feet)					
Dry Production.....	228,854	233,508	R221,527	228,006	232,285
Receipts at Region Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interregion Receipts	3,415,392	3,765,665	3,836,300	3,877,503	3,488,306
Withdrawals from Storage					
Underground Storage.....	173,690	206,746	182,240	195,981	159,535
LNG Storage	7,333	9,592	12,643	6,881	4,819
Supplemental Gas Supplies.....	5,494	1,247	1,870	553	244
Balancing Item.....	98,886	-54,631	R130,888	R-29,795	47,540
Total Supply	3,929,650	4,162,127	R4,385,469	R4,279,129	3,932,728

See footnotes at end of table.

Table 39. Summary Statistics for Natural Gas — South Atlantic, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	1,680,492	1,923,936	R ¹ 1,906,619	R ¹ 1,903,900	1,828,178
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interregion Deliveries	2,054,593	2,067,231	2,243,835	2,187,531	1,910,739
Additions to Storage					
Underground Storage.....	186,532	161,568	218,060	179,809	189,187
LNG Storage	8,033	9,393	16,955	7,890	4,624
Total Disposition	3,929,650	4,162,127	R⁴4,385,469	R⁴4,279,129	3,932,728
Consumption (million cubic feet)					
Lease Fuel.....	6,570	6,763	R ⁷ 5,527	8,154	7,309
Pipeline Fuel.....	59,911	59,971	67,808	66,909	62,230
Plant Fuel	3,439	3,344	3,387	2,823	2,473
Delivered to Consumers					
Residential.....	391,714	408,590	457,792	418,316	379,628
Commercial.....	293,056	305,621	320,153	313,730	312,424
Industrial.....	690,497	740,332	716,648	743,408	697,640
Vehicle Fuel.....	126	198	182	180	204
Electric Utilities.....	235,179	399,117	334,123	R ³⁵⁰ 3,379	366,270
Total Delivered to Consumers	1,610,572	1,853,857	1,828,898	R¹1,826,013	1,756,166
Total Consumption.....	1,680,492	1,923,936	R¹1,906,619	R¹1,903,900	1,828,178
Delivered for the Account of Others (million cubic feet)					
Residential.....	100	120	1,479	2,617	8,392
Commercial	27,611	35,191	35,990	59,518	87,502
Industrial.....	430,040	482,042	463,307	515,921	502,863
Electric Utilities.....	230,067	358,113	313,166	333,851	369,971
Firm Deliveries (million cubic feet)					
Residential.....	391,699	408,562	456,438	418,316	379,628
Commercial	226,856	232,783	250,275	228,312	221,744
Industrial.....	223,748	245,688	245,524	232,097	242,038
Electric Utilities.....	207,925	328,376	291,030	287,284	366,072
Vehicle Fuel.....	122	138	139	133	154
Interruptible Deliveries (million cubic feet)					
Residential.....	15	28	1,354	0	0
Commercial	66,200	72,838	69,878	85,418	90,680
Industrial.....	466,748	494,643	471,124	511,311	455,602
Electric Utilities.....	38,825	69,670	34,408	62,315	44,371
Vehicle Fuel.....	5	60	43	47	50
Number of Consumers					
Residential.....	5,161,109	5,285,997	5,446,188	5,579,544	5,794,996
Commercial	482,552	495,065	514,514	522,757	526,487
Industrial.....	12,786	12,968	13,243	14,323	16,213
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	76	77	84	75	66
Commercial	607	617	622	600	593
Industrial.....	54,004	57,089	54,115	51,903	43,030
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.48	2.09	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	2.77	1.82	2.84	3.00	2.61
City Gate	3.36	2.93	3.80	3.92	3.56
Delivered to Consumers					
Residential.....	7.39	6.89	7.50	8.24	8.02
Commercial	5.77	5.33	6.14	6.65	6.38
Industrial.....	3.56	3.31	4.13	4.17	3.67
Vehicle Fuel.....	3.94	3.19	4.13	4.39	4.12
Electric Utilities.....	2.26	2.28	3.12	2.59	2.45

R = Revised data.
 NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The South Atlantic Census Division includes Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia. 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 industrial use.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

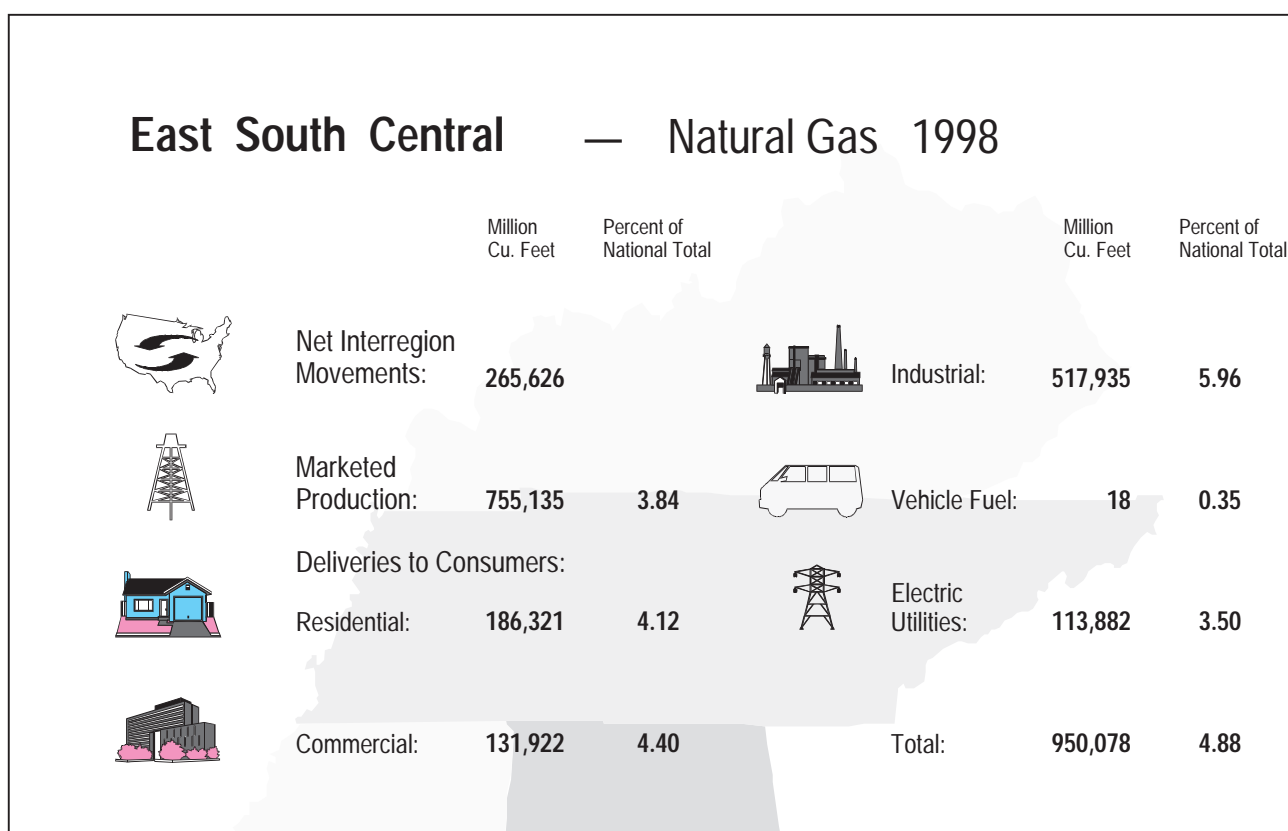


Table 40. Summary Statistics for Natural Gas — East South Central, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	6,449	6,575	6,647	6,914	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	17,184	17,372	18,174	19,046	18,983
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	751,428	756,345	769,753	818,196	799,881
From Oil Wells.....	24,309	19,806	19,295	19,248	18,463
Total.....	775,737	776,151	789,048	837,444	818,344
Repressuring	46,044	42,270	31,967	26,138	23,824
Nonhydrocarbon Gases Removed.....	71,324	36,944	35,322	35,371	35,124
Wet After Lease Separation	658,368	696,937	721,759	775,935	759,396
Vented and Flared.....	4,577	5,170	4,530	4,305	4,261
Marketed Production	653,791	691,768	717,229	771,630	755,135
Extraction Loss.....	8,096	7,953	8,086	7,341	7,021
Total Dry Production.....	645,695	683,815	709,143	764,289	748,114
Supply (million cubic feet)					
Dry Production.....	645,695	683,815	709,143	764,289	748,114
Receipts at Region Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interregion Receipts	5,599,776	5,560,871	5,893,643	5,716,167	5,109,165
Withdrawals from Storage					
Underground Storage.....	105,566	149,791	140,019	128,925	114,814
LNG Storage	3,376	3,723	5,266	2,951	4,031
Supplemental Gas Supplies.....	204	39	137	65	8
Balancing Item.....	75,081	285,070	379,906	R21,708	61,584
Total Supply.....	6,429,698	6,683,308	7,128,114	R6,634,105	6,037,716

See footnotes at end of table.

Table 40. Summary Statistics for Natural Gas — East South Central, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	1,001,052	1,090,534	1,111,595	R1,087,923	1,054,653
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	5,299,221	5,455,080	5,851,200	5,421,035	4,843,539
Additions to Storage					
Underground Storage	125,496	134,757	161,531	122,312	137,208
LNG Storage	3,929	2,938	3,788	2,835	2,316
Total Disposition	6,429,698	6,683,308	7,128,114	R6,634,105	6,037,716
Consumption (million cubic feet)					
Lease Fuel	14,757	15,569	15,475	12,161	12,805
Pipeline Fuel	95,075	104,440	119,038	111,081	88,468
Plant Fuel	4,821	4,907	3,891	3,481	3,302
Delivered to Consumers					
Residential	196,700	202,673	227,335	206,285	186,321
Commercial	132,262	135,978	150,694	148,174	131,922
Industrial	469,673	505,164	503,327	519,808	517,935
Vehicle Fuel	19	276	31	23	18
Electric Utilities	87,745	121,527	91,804	R86,910	113,882
Total Delivered to Consumers	886,399	965,618	973,190	R961,200	950,078
Total Consumption	1,001,052	1,090,534	1,111,595	R1,087,923	1,054,653
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	11,854	13,160	13,144	20,752	16,822
Industrial	301,991	336,638	338,995	365,405	376,361
Electric Utilities	35,696	49,518	62,943	71,677	102,147
Firm Deliveries (million cubic feet)					
Residential	196,342	202,585	227,331	206,285	186,321
Commercial	120,154	122,051	136,860	127,358	119,506
Industrial	208,227	232,210	241,109	289,089	280,178
Electric Utilities	2,051	7,525	7,138	20,095	56,210
Vehicle Fuel	10	276	25	20	18
Interruptible Deliveries (million cubic feet)					
Residential	358	87	4	0	0
Commercial	12,108	13,927	13,833	20,816	12,416
Industrial	261,446	272,953	262,217	230,719	237,757
Electric Utilities	36,486	44,179	57,782	53,330	48,731
Vehicle Fuel	9	0	5	3	0
Number of Consumers					
Residential	2,586,901	2,657,218	2,722,985	2,786,410	2,836,854
Commercial	275,628	282,428	288,039	296,848	311,731
Industrial	7,851	7,812	7,692	7,787	10,713
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	76	76	83	74	66
Commercial	480	481	523	499	423
Industrial	59,823	64,665	65,435	66,753	48,346
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.11	1.72	2.47	2.54	2.10
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.98	1.80	2.62	2.64	2.37
City Gate	3.01	2.74	3.61	3.64	3.26
Delivered to Consumers					
Residential	6.15	5.74	6.21	7.00	6.80
Commercial	5.38	4.98	5.55	6.03	5.77
Industrial	3.44	3.09	3.74	3.88	3.59
Vehicle Fuel	4.00	1.72	4.82	5.09	4.80
Electric Utilities	1.99	1.81	2.80	2.70	2.30

R = Revised data.
 NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The East South Central Census Division includes Alabama, Kentucky, Mississippi, and Tennessee. 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 industrial use.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

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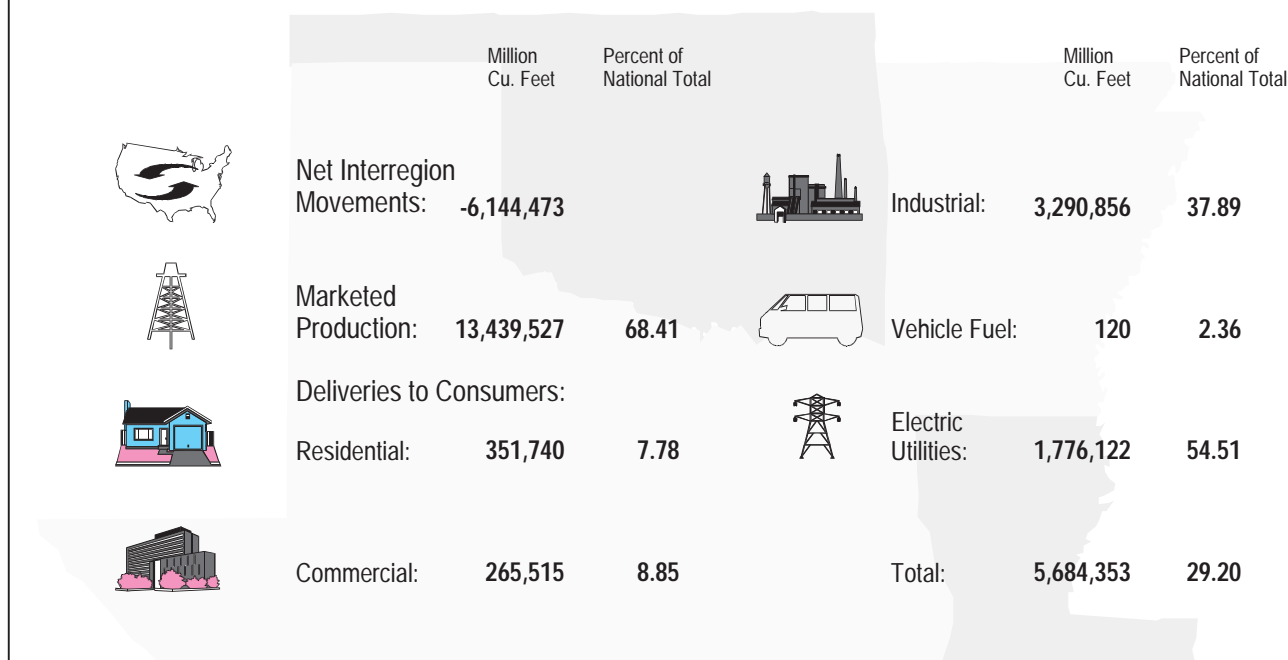


Table 41. Summary Statistics for Natural Gas — West South Central, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	88,034	88,734	62,357	62,348	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	94,233	102,525	102,864	R105,139	111,136
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	11,959,444	11,824,788	R12,182,369	12,102,607	11,937,946
From Oil Wells.....	2,308,634	2,217,752	R2,156,561	2,127,166	2,125,014
Total.....	14,268,078	14,042,539	R14,338,929	14,229,773	14,062,960
Repressuring	363,489	339,691	R315,604	300,296	287,445
Nonhydrocarbon Gases Removed.....	196,463	200,233	238,897	263,397	290,931
Wet After Lease Separation	13,708,126	13,502,615	R13,784,428	13,666,080	13,484,584
Vented and Flared.....	62,040	65,225	67,358	69,984	45,057
Marketed Production	13,646,086	13,437,390	R13,717,071	13,596,096	13,439,527
Extraction Loss.....	611,720	623,178	639,141	638,566	625,856
Total Dry Production.....	13,034,366	12,814,212	R13,077,930	12,957,530	12,813,671
Supply (million cubic feet)					
Dry Production.....	13,034,366	12,814,212	R13,077,930	12,957,530	12,813,671
Receipts at Region Borders					
Imports	24,899	11,871	20,904	47,838	57,454
Intransit Receipts	0	0	0	0	0
Interregion Receipts	285,147	603,963	685,326	565,137	450,817
Withdrawals from Storage					
Underground Storage.....	569,247	683,367	777,144	745,289	603,965
LNG Storage	18,320	4,780	7,141	28,313	16,576
Supplemental Gas Supplies.....	1	1	0	0	0
Balancing Item.....	234,696	214,926	R355,622	R416,484	18,096
Total Supply.....	14,166,676	14,333,119	14,924,066	R14,760,591	13,960,579

See footnotes at end of table.

Table 41. Summary Statistics for Natural Gas — West South Central, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	6,106,594	6,345,624	6,493,419	R6,432,968	6,438,661
Deliveries at Region Borders					
Exports	44,041	61,241	30,435	34,163	46,933
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	7,336,522	7,336,718	7,713,910	7,509,250	6,605,811
Additions to Storage					
Underground Storage	661,623	584,476	679,286	753,733	838,725
LNG Storage	17,895	5,061	7,016	30,477	30,449
Total Disposition	14,166,676	14,333,119	14,924,066	R14,760,591	13,960,579
Consumption (million cubic feet)					
Lease Fuel	339,889	363,681	364,921	358,566	349,902
Pipeline Fuel	196,927	188,684	189,412	191,359	160,634
Plant Fuel	261,325	265,934	257,961	259,046	243,773
Delivered to Consumers					
Residential	377,151	368,826	408,861	401,887	351,740
Commercial	268,326	300,465	281,452	316,473	265,515
Industrial	3,158,342	3,300,803	3,528,911	R3,417,884	3,290,856
Vehicle Fuel	227	169	183	142	120
Electric Utilities	1,504,407	1,557,062	1,461,718	R1,487,611	1,776,122
Total Delivered to Consumers	5,308,454	5,527,325	5,681,125	R5,623,997	5,684,353
Total Consumption	6,106,594	6,345,624	6,493,419	R6,432,968	6,438,661
Delivered for the Account of Others (million cubic feet)					
Residential	0	3	9	9	7
Commercial	37,812	73,373	38,635	94,445	47,895
Industrial	2,344,856	2,419,476	2,961,871	2,936,169	2,900,613
Electric Utilities	992,094	979,294	932,954	857,320	1,040,258
Firm Deliveries (million cubic feet)					
Residential	376,859	368,824	408,861	401,887	351,740
Commercial	241,726	232,272	254,784	291,645	245,858
Industrial	1,852,643	2,056,842	2,135,140	R1,992,952	2,036,569
Electric Utilities	767,092	716,841	729,935	733,725	888,550
Vehicle Fuel	33	142	178	140	118
Interruptible Deliveries (million cubic feet)					
Residential	292	2	0	0	0
Commercial	26,600	68,193	26,668	24,827	19,656
Industrial	1,305,698	1,243,961	1,393,771	1,424,932	1,254,287
Electric Utilities	610,088	653,225	565,331	483,347	544,119
Vehicle Fuel	194	27	5	2	1
Number of Consumers					
Residential	5,662,325	5,791,464	5,854,303	5,922,727	5,990,194
Commercial	519,875	542,563	548,533	553,044	543,636
Industrial	11,229	14,637	14,571	13,515	14,326
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	67	64	70	68	59
Commercial	516	554	513	572	488
Industrial	281,267	225,511	242,187	R252,896	229,712
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.94	1.60	2.32	2.44	2.02
Imports	1.79	1.67	2.24	2.52	2.51
Exports	1.68	1.49	2.13	2.46	2.03
Pipeline Fuel	1.57	1.57	2.41	2.45	2.05
City Gate	2.82	2.73	3.08	3.44	2.59
Delivered to Consumers					
Residential	5.90	5.82	5.96	6.45	6.26
Commercial	4.53	4.26	4.58	5.17	4.74
Industrial	2.21	1.90	2.67	2.89	2.40
Vehicle Fuel	2.60	2.54	2.66	2.87	2.58
Electric Utilities	2.25	1.96	2.63	2.73	2.33

R = Revised data.

NA = Not available.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The West South Central Census Division includes Arkansas, Louisiana, Oklahoma, and Texas. 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of

Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

Mountain — Natural Gas 1998

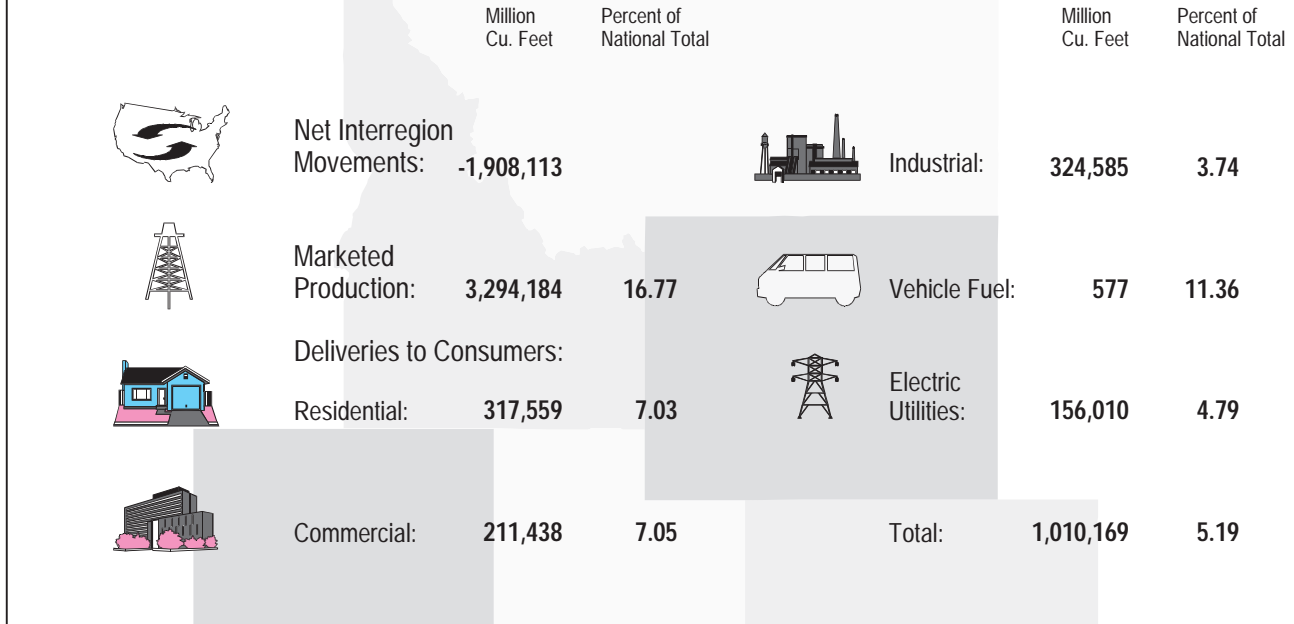


Table 42. Summary Statistics for Natural Gas — Mountain, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	37,366	39,275	38,944	38,505	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	38,539	38,775	41,236	49,573	52,282
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	3,046,159	3,131,205	3,166,689	3,333,043	3,346,183
From Oil Wells.....	472,397	503,986	505,903	513,267	525,236
Total.....	3,518,556	3,635,191	3,672,592	3,846,311	3,871,419
Repressuring	213,297	183,504	158,953	146,868	134,998
Nonhydrocarbon Gases Removed.....	141,220	149,005	241,953	292,008	277,379
Wet After Lease Separation	3,164,039	3,302,682	3,271,686	3,407,435	3,459,042
Vented and Flared.....	135,082	187,861	177,255	163,021	164,858
Marketed Production	3,028,956	3,114,821	3,094,431	3,244,414	3,294,184
Extraction Loss.....	154,116	161,227	191,503	205,511	187,599
Total Dry Production.....	2,874,840	2,953,594	2,902,928	3,038,903	3,106,585
Supply (million cubic feet)					
Dry Production.....	2,874,840	2,953,594	2,902,928	3,038,903	3,106,585
Receipts at Region Borders					
Imports	1,258,926	1,393,874	1,418,625	1,429,481	1,460,388
Intransit Receipts	0	0	0	0	0
Interregion Receipts	253,000	363,540	346,591	357,269	302,295
Withdrawals from Storage					
Underground Storage.....	100,699	118,287	146,490	134,266	105,448
LNG Storage	644	661	770	1,050	1,360
Supplemental Gas Supplies.....	8,177	7,170	6,787	6,314	5,292
Balancing Item.....	-92,850	-307,718	-226,296	R-266,067	65,756
Total Supply.....	4,403,436	4,529,409	4,595,896	R4,701,215	5,047,124

See footnotes at end of table.

Table 42. Summary Statistics for Natural Gas — Mountain, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	1,084,170	1,106,003	1,162,821	R1,208,313	1,256,018
Deliveries at Region Borders					
Exports	5,546	42	3,405	3,901	4,166
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	3,195,395	3,308,568	3,316,341	3,360,431	3,666,630
Additions to Storage					
Underground Storage	117,530	114,133	112,421	127,427	119,442
LNG Storage	796	663	817	1,143	868
Total Disposition	4,403,436	4,529,409	4,595,805	R4,701,215	5,047,124
Consumption (million cubic feet)					
Lease Fuel	40,453	52,924	55,623	58,352	61,407
Pipeline Fuel	112,003	107,495	76,874	R115,415	105,598
Plant Fuel	72,888	73,571	102,870	82,343	78,843
Delivered to Consumers					
Residential	272,805	274,405	299,923	315,854	317,559
Commercial	197,515	197,993	210,381	R215,795	211,438
Industrial	285,475	295,227	311,229	R301,308	324,585
Vehicle Fuel	312	462	442	581	577
Electric Utilities	102,719	103,926	105,479	118,666	156,010
Total Delivered to Consumers	858,826	872,014	927,454	R952,204	1,010,169
Total Consumption	1,084,170	1,106,003	1,162,821	R1,208,313	1,256,018
Delivered for the Account of Others (million cubic feet)					
Residential	0	218	846	935	1,000
Commercial	26,075	29,185	33,154	33,625	35,236
Industrial	248,307	261,683	280,217	R267,524	294,369
Electric Utilities	101,179	98,471	95,111	100,792	99,313
Firm Deliveries (million cubic feet)					
Residential	272,805	274,405	299,923	315,854	317,559
Commercial	180,906	186,182	198,451	203,962	200,231
Industrial	139,031	156,723	181,762	R173,281	205,841
Electric Utilities	87,257	93,140	95,137	102,001	111,091
Vehicle Fuel	287	452	428	569	570
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	16,610	11,811	11,930	R11,833	11,207
Industrial	146,445	138,505	129,467	128,027	118,744
Electric Utilities	17,839	9,177	4,647	5,677	7,290
Vehicle Fuel	24	11	14	12	7
Number of Consumers					
Residential	3,432,387	3,578,020	3,746,952	3,881,774	4,048,727
Commercial	331,808	337,499	344,111	R350,731	361,974
Industrial	3,895	4,712	5,861	R9,128	10,081
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	79	77	80	81	78
Commercial	595	587	611	R615	584
Industrial	73,293	62,654	53,102	R33,009	32,198
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.65	1.31	1.78	2.01	1.79
Imports	1.55	1.06	1.49	1.82	1.69
Exports	1.56	1.53	1.92	2.38	1.92
Pipeline Fuel	1.57	1.24	1.70	2.02	1.88
City Gate	2.99	2.44	2.56	2.89	2.57
Delivered to Consumers					
Residential	5.47	5.32	4.91	5.43	5.84
Commercial	4.61	4.45	4.02	R4.41	4.81
Industrial	2.88	3.08	3.04	R3.54	3.09
Vehicle Fuel	4.19	3.99	3.99	4.29	4.45
Electric Utilities	2.09	1.74	2.34	R2.56	2.39

R = Revised data.

NA = Not available.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The Mountain Census Division includes Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming. 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of

Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

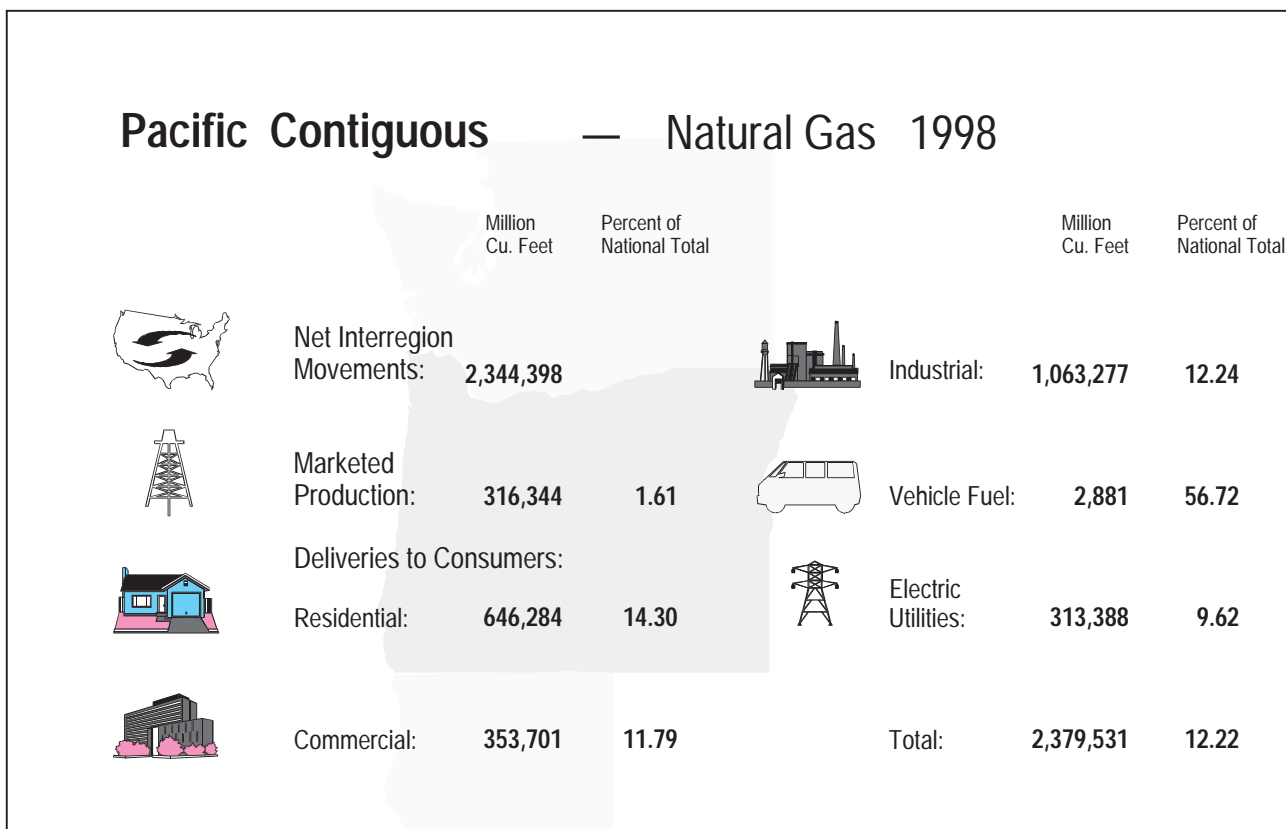


Table 43. Summary Statistics for Natural Gas — Pacific Contiguous, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	3,572	3,508	2,082	2,273	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	1,280	1,014	996	947	862
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	117,725	96,329	88,173	80,182	82,360
From Oil Wells.....	282,227	289,430	313,581	318,852	316,472
Total.....	399,952	385,759	401,754	399,034	398,832
Repressuring	84,424	101,556	111,356	110,177	79,659
Nonhydrocarbon Gases Removed.....	2,050	1,475	1,196	405	877
Wet After Lease Separation	313,478	282,728	289,201	288,453	318,296
Vented and Flared.....	830	1,250	1,268	1,590	1,952
Marketed Production	312,648	281,478	287,933	286,863	316,344
Extraction Loss.....	11,250	11,509	12,169	11,600	10,242
Total Dry Production.....	301,398	269,969	275,764	275,263	306,102
Supply (million cubic feet)					
Dry Production.....	301,398	269,969	275,764	275,263	306,102
Receipts at Region Borders					
Imports	320,362	335,866	356,711	360,261	374,666
Intransit Receipts	0	0	0	0	0
Interregion Receipts	2,038,261	1,892,995	1,768,560	1,910,665	2,075,323
Withdrawals from Storage					
Underground Storage.....	173,214	135,973	182,920	185,809	158,366
LNG Storage	2,911	2,803	3,345	3,096	2,943
Supplemental Gas Supplies.....	3	2	2	2	2
Balancing Item.....	-102,843	-36,926	-113,391	R-65,262	-125,531
Total Supply.....	2,733,305	2,600,682	2,473,912	R2,669,835	2,791,871

See footnotes at end of table.

Table 43. Summary Statistics for Natural Gas — Pacific Contiguous, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	2,482,502	2,291,405	2,214,558	R2,349,736	2,483,432
Deliveries at Region Borders					
Exports	0	0	0	308	2,275
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	67,018	139,367	126,110	144,868	103,316
Additions to Storage					
Underground Storage	180,572	166,574	128,778	171,788	201,152
LNG Storage	3,213	2,731	3,013	3,134	1,696
Total Disposition	2,733,305	2,600,077	2,472,460	R2,669,835	2,791,871
Consumption (million cubic feet)					
Lease Fuel	63,347	62,226	63,337	69,386	68,370
Pipeline Fuel	24,357	34,835	33,091	43,810	31,019
Plant Fuel	6,388	4,287	4,520	4,796	4,511
Delivered to Consumers					
Residential	602,951	558,326	569,235	573,239	646,284
Commercial	327,931	343,749	308,804	326,074	353,701
Industrial	826,923	866,822	895,529	938,916	1,063,277
Vehicle Fuel	723	970	1,402	2,272	2,881
Electric Utilities	629,883	420,191	338,640	R391,244	313,388
Total Delivered to Consumers	2,388,411	2,190,057	2,113,610	R2,231,744	2,379,531
Total Consumption	2,482,502	2,291,405	2,214,558	R2,349,736	2,483,432
Delivered for the Account of Others (million cubic feet)					
Residential	3,507	2,848	3,472	3,623	3,699
Commercial	136,770	137,416	113,757	133,654	151,144
Industrial	643,271	729,345	780,456	832,142	943,600
Electric Utilities	585,194	389,161	283,653	328,692	300,868
Firm Deliveries (million cubic feet)					
Residential	602,951	558,326	569,235	573,239	646,284
Commercial	279,164	293,771	258,515	273,752	299,850
Industrial	467,014	481,650	534,304	572,318	678,943
Electric Utilities	316,671	371,054	170,202	24,131	37,122
Vehicle Fuel	607	880	1,302	2,172	2,781
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	48,767	49,977	50,289	52,322	53,851
Industrial	359,909	385,172	361,225	366,598	384,334
Electric Utilities	308,741	57,542	157,084	353,479	320,951
Vehicle Fuel	116	90	100	100	100
Number of Consumers					
Residential	9,786,893	9,915,609	10,076,303	10,220,134	10,396,932
Commercial	532,958	537,725	539,615	542,772	729,079
Industrial	43,101	42,792	40,999	41,005	41,513
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	62	56	56	56	62
Commercial	615	639	572	601	485
Industrial	19,186	20,257	21,843	22,898	25,613
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.50	1.72	1.82	2.41	1.97
Imports	1.79	1.23	1.43	1.69	1.71
Exports	—	—	—	3.15	4.90
Pipeline Fuel	1.09	1.36	1.69	1.65	1.84
City Gate	2.58	2.08	2.55	2.91	2.40
Delivered to Consumers					
Residential	6.35	6.39	6.35	6.65	6.81
Commercial	6.46	5.88	5.57	5.85	5.91
Industrial	3.21	3.41	3.43	3.77	3.52
Vehicle Fuel	4.85	5.53	4.56	4.48	4.24
Electric Utilities	2.54	2.27	2.73	R3.33	2.70

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The Pacific Contiguous Census Division includes California, Oregon, and Washington. 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

Pacific Noncontiguous — Natural Gas 1998




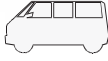



	Million Cu. Feet	Percent of National Total		Million Cu. Feet	Percent of National Total
	Net Interregion Movements:			Industrial:	76,319 0.88
	Marketed Production:	466,648 2.38		Vehicle Fuel:	0 0.00
Deliveries to Consumers:					
	Residential:	16,151 0.36		Electric Utilities:	28,784 0.88
	Commercial:	28,825 0.96	Total:		150,080 0.77

Table 44. Summary Statistics for Natural Gas — Pacific Noncontiguous, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	9,733	9,497	9,294	10,562	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	104	100	102	141	148
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	180,639	179,470	183,747	179,534	182,993
From Oil Wells.....	2,905,261	3,190,433	3,189,837	3,201,416	3,195,855
Total.....	3,085,900	3,369,904	3,373,584	3,380,950	3,378,848
Repressuring	2,517,259	2,891,618	2,885,686	2,904,370	2,904,028
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	568,642	478,285	487,897	476,580	474,819
Vented and Flared.....	13,240	8,736	7,070	8,269	8,171
Marketed Production	555,402	469,550	480,828	468,311	466,648
Extraction Loss.....	30,945	35,052	38,453	41,535	40,120
Total Dry Production.....	524,457	434,498	442,375	426,776	426,528
Supply (million cubic feet)					
Dry Production.....	524,457	434,498	442,375	426,776	426,528
Receipts at Region Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interregion Receipts	0	0	0	0	0
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	2,831	2,793	2,761	2,617	2,715
Balancing Item.....	-94,604	60,995	73,907	^R 60,791	74,224
Total Supply.....	432,685	498,286	519,043	^R490,184	503,467

See footnotes at end of table.

Table 44. Summary Statistics for Natural Gas — Pacific Noncontiguous, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	370,003	433,003	451,395	R ^{427,996}	437,516
Deliveries at Region Borders					
Exports	62,682	65,283	67,648	62,187	65,951
Intransit Deliveries.....	0	0	0	0	0
Interregion Deliveries	0	0	0	0	0
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	432,685	498,286	519,043	R^{490,184}	503,467
Consumption (million cubic feet)					
Lease Fuel.....	200,809	253,695	255,500	230,578	242,271
Pipeline Fuel.....	3,024	2,425	2,012	4,938	5,564
Plant Fuel	37,347	39,116	40,334	40,706	39,601
Delivered to Consumers					
Residential.....	15,473	15,805	16,720	15,664	16,151
Commercial	22,898	27,178	29,447	28,660	28,825
Industrial.....	61,404	64,977	75,616	73,941	76,319
Vehicle Fuel.....	0	0	0	0	0
Electric Utilities	29,048	29,809	31,767	R ^{33,510}	28,784
Total Delivered to Consumers	128,823	137,768	153,549	R^{151,774}	150,080
Total Consumption.....	370,003	433,003	451,395	R^{427,996}	437,516
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	5,019	9,990	12,241	13,649
Industrial.....	25,523	31,112	27,026	1,609	473
Electric Utilities	8,368	8,990	9,116	10,972	8,631
Firm Deliveries (million cubic feet)					
Residential.....	15,473	15,805	16,720	15,664	16,151
Commercial	22,535	26,835	28,851	28,660	28,825
Industrial.....	57,618	61,463	72,757	72,058	75,535
Electric Utilities	27,541	29,023	30,163	33,754	28,961
Vehicle Fuel.....	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	363	343	596	0	0
Industrial.....	3,786	3,515	2,859	1,883	784
Electric Utilities	706	664	661	0	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	108,284	109,966	112,365	114,586	117,161
Commercial	15,280	15,409	15,555	15,728	15,937
Industrial.....	11	9	202	34	33
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	143	144	149	137	138
Commercial	1,499	1,764	1,893	1,822	1,809
Industrial.....	5,582,184	7,219,705	374,337	2,174,737	2,312,711
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.27	1.64	1.61	1.82	1.32
Imports	—	—	—	—	—
Exports	3.18	3.41	3.65	3.85	2.91
Pipeline Fuel.....	1.11	1.24	1.17	1.34	1.23
City Gate	1.88	1.99	1.98	2.28	2.09
Delivered to Consumers					
Residential.....	4.09	4.13	3.95	4.37	4.18
Commercial	3.43	3.33	3.64	3.86	3.76
Industrial.....	1.42	1.45	1.41	1.58	1.38
Vehicle Fuel.....	—	—	—	—	—
Electric Utilities	0.72	1.29	1.45	1.74	1.80

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-759, "Monthly Power Plant Report." Deliveries to electric utilities for the account of others are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. The Pacific Noncontiguous Census Division includes Alaska and Hawaii. 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of

Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

State Summaries



This offshore natural gas production platform is located in the Gulf of Mexico.

Table 45. Percent Distribution of Natural Gas Supply and Disposition by State, 1998

State	Estimated Proved Reserves (dry)	Marketed Production	Total Consumption
Alabama.....	NA	2.87	1.54
Alaska.....	NA	2.38	2.05
Arizona.....	NA	0	0.73
Arkansas.....	NA	0.96	1.28
California.....	NA	1.61	9.48
Colorado.....	NA	3.54	1.47
Connecticut.....	NA	0	0.57
D.C.....	NA	0	0.14
Delaware.....	NA	0	0.19
Florida.....	NA	0.03	2.19
Georgia.....	NA	0	1.68
Hawaii.....	NA	0	0.01
Idaho.....	NA	0	0.32
Illinois.....	NA	0	4.50
Indiana.....	NA	0	2.45
Iowa.....	NA	0	1.09
Kansas.....	NA	3.07	1.48
Kentucky.....	NA	0.42	0.96
Louisiana.....	NA	26.92	7.38
Maine.....	NA	0	0.03
Maryland.....	NA	0	0.84
Massachusetts.....	NA	0	1.59
Michigan.....	NA	1.42	3.97
Minnesota.....	NA	0	1.53
Mississippi.....	NA	0.55	1.14
Missouri.....	NA	0	1.22
Montana.....	NA	0.29	0.28
Nebraska.....	NA	0.01	0.62
Nevada.....	NA	0	0.68
New Hampshire.....	NA	0	0.09
New Jersey.....	NA	0	2.74
New Mexico.....	NA	7.64	1.13
New York.....	NA	0.09	5.38
North Carolina.....	NA	0	1.00
North Dakota.....	NA	0.27	0.23
Ohio.....	NA	0.55	3.82
Oklahoma.....	NA	8.37	2.68
Oregon.....	NA	0.01	0.97
Pennsylvania.....	NA	0.35	2.92
Rhode Island.....	NA	0	0.41
South Carolina.....	NA	0	0.74
South Dakota.....	NA	0.01	0.16
Tennessee.....	NA	0.01	1.32
Texas.....	NA	32.16	18.95
Utah.....	NA	1.41	0.80
Vermont.....	NA	0	0.04
Virginia.....	NA	0.29	1.14
Washington.....	NA	0	1.24
West Virginia.....	NA	0.91	0.67
Wisconsin.....	NA	0	1.69
Wyoming.....	NA	3.88	0.51

NA = Not available.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-895, "Monthly Quan-

tity and Value of Natural Gas Report"; and EIA Report, U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Report, DOE/EIA-0216.

Table 46. Percent Distribution of Natural Gas Delivered to Consumers by State, 1998

State	Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities
Alabama.....	1.03	0.86	2.31	0.04	0.78
Alaska.....	0.35	0.90	0.87	—	0.88
Arizona.....	0.80	1.06	0.32	2.98	1.19
Arkansas.....	0.85	0.94	1.70	0.02	1.25
California.....	12.17	9.41	9.53	53.78	8.32
Colorado.....	2.45	2.11	1.00	0.25	0.33
Connecticut.....	0.78	1.41	0.37	1.51	0.33
D.C.....	0.29	0.56	—	0.08	—
Delaware.....	0.17	0.19	0.19	0.04	0.34
Florida.....	0.31	1.26	1.46	1.65	8.64
Georgia.....	2.38	1.85	1.89	0.23	0.69
Hawaii.....	0.01	0.06	—	—	—
Idaho.....	0.35	0.39	0.40	0.71	—
Illinois.....	9.07	5.82	3.50	1.18	1.73
Indiana.....	3.10	2.44	3.35	1.32	0.28
Iowa.....	1.52	1.43	1.22	0.02	0.18
Kansas.....	1.55	1.39	1.28	0.01	1.13
Kentucky.....	1.23	1.08	1.07	0.07	0.18
Louisiana.....	1.05	0.80	10.62	0.13	9.77
Maine.....	0.02	0.08	0.03	—	—
Maryland.....	1.51	1.91	0.44	1.22	0.38
Massachusetts.....	2.26	3.00	1.44	0.14	0.57
Michigan.....	7.07	5.45	3.25	0.62	1.48
Minnesota.....	2.44	2.75	1.20	0.63	0.24
Mississippi.....	0.55	0.71	0.91	0.03	2.34
Missouri.....	2.45	2.07	0.75	0.11	0.49
Montana.....	0.42	0.43	0.25	0.18	0.02
Nebraska.....	0.90	0.96	0.61	—	0.16
Nevada.....	0.66	0.78	0.33	0.65	1.87
New Hampshire.....	0.14	0.23	0.07	—	0.01
New Jersey.....	4.35	4.89	2.36	0.01	0.95
New Mexico.....	0.79	0.91	0.29	3.72	1.20
New York.....	7.51	11.18	2.90	9.00	6.40
North Carolina.....	1.12	1.21	1.23	—	0.38
North Dakota.....	0.22	0.34	0.24	0.05	—
Ohio.....	6.56	5.22	3.83	8.50	0.24
Oklahoma.....	1.47	1.46	2.28	2.16	5.36
Oregon.....	0.76	0.87	1.18	0.75	0.89
Pennsylvania.....	4.82	4.37	2.66	0.79	0.21
Rhode Island.....	0.36	0.38	0.49	0.11	0.48
South Carolina.....	0.56	0.66	1.18	0.01	0.18
South Dakota.....	0.26	0.31	0.07	0.02	0.09
Tennessee.....	1.31	1.75	1.68	0.22	0.19
Texas.....	4.41	5.66	23.29	0.05	38.14
Utah.....	1.26	1.03	0.52	2.68	0.18
Vermont.....	0.05	0.10	0.02	—	0.01
Virginia.....	1.40	1.94	1.07	0.69	0.63
Washington.....	1.37	1.52	1.53	2.20	0.41
West Virginia.....	0.66	0.83	0.57	0.09	0.01
Wisconsin.....	2.57	2.71	1.64	1.17	0.50
Wyoming.....	0.28	0.35	0.63	0.19	0.01

— = Not applicable.

Sources: Energy Information Administration, Form EIA-176, "Annual Report of Natu-

ral and Supplemental Gas Supply and Disposition," and Form EIA-759, "Monthly Power Plant Report."





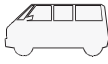



 Alabama — Natural Gas 1998		Million Cu. Feet	Percent of National Total	Million Cu. Feet	Percent of National Total
	Net Interstate Movements:	-200,953			Industrial: 200,305 2.31
	Marketed Production:	563,779	2.87		Vehicle Fuel: 2 0.04
	Deliveries to Consumers: Residential:	46,544	1.03		Electric Utilities: 25,546 0.78
	Commercial:	25,705	0.86		Total: 298,102 1.53

Table 47. Summary Statistics for Natural Gas — Alabama, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31 ^a	4,830	4,868	5,033	4,968	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	3,565	3,526	4,105	4,156	4,171
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	566,141	568,190	570,907	619,302	597,424
From Oil Wells.....	12,722	11,935	11,394	10,463	8,414
Total	578,863	580,125	582,301	629,765	605,839
Repressuring	33,961	30,949	22,601	17,724	13,994
Nonhydrocarbon Gases Removed.....	26,980	26,580	27,006	27,205	26,604
Wet After Lease Separation	517,922	522,596	532,694	584,836	565,241
Vented and Flared.....	2,650	2,935	1,853	1,563	1,462
Marketed Production	515,272	519,661	530,841	583,272	563,779
Extraction Loss.....	5,647	5,273	5,361	4,637	4,263
Total Dry Production	509,625	514,388	525,480	578,635	559,516
Supply (million cubic feet)					
Dry Production.....	509,625	514,388	525,480	578,635	559,516
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,715,849	3,253,871	3,231,927	3,063,122	2,868,989
Withdrawals from Storage					
Underground Storage.....	55	1,448	2,125	1,860	1,774
LNG Storage	497	688	1,282	535	469
Supplemental Gas Supplies.....	69	*	18	21	2
Balancing Item.....	-46,633	-57,782	-35,808	R-70,094	-29,996
Total Supply	3,179,462	3,712,613	3,725,024	R3,574,080	3,400,754

See footnotes at end of table.

Table 47. Summary Statistics for Natural Gas — Alabama, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	288,863	321,577	325,542	R322,271	328,091
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	2,888,962	3,389,137	3,395,153	3,248,827	3,069,942
Additions to Storage					
Underground Storage	694	1,375	3,349	2,022	2,220
LNG Storage	944	524	979	960	501
Total Disposition	3,179,462	3,712,613	3,725,024	R3,574,080	3,400,754
Consumption (million cubic feet)					
Lease Fuel	9,381	10,468	10,492	7,020	7,650
Pipeline Fuel	14,904	20,064	19,139	20,689	19,948
Plant Fuel	3,747	3,806	2,827	2,468	2,391
Delivered to Consumers					
Residential	49,748	49,570	56,522	48,496	46,544
Commercial	25,526	26,228	29,000	32,360	25,705
Industrial	181,718	204,060	201,414	201,240	200,305
Vehicle Fuel	3	4	2	2	2
Electric Utilities	3,834	7,377	6,146	R9,997	25,546
Total Delivered to Consumers	260,830	287,239	293,084	R292,094	298,102
Total Consumption	288,863	321,577	325,542	R322,271	328,091
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	5,043	5,213	5,470	11,432	5,009
Industrial	132,073	156,374	155,962	151,727	153,936
Electric Utilities	3,271	7,441	5,101	11,194	25,270
Firm Deliveries (million cubic feet)					
Residential	49,748	49,570	56,522	48,496	46,544
Commercial	21,008	21,484	25,728	23,122	23,084
Industrial	71,344	87,327	89,299	123,218	97,052
Electric Utilities	83	3,186	3,511	3,850	12,423
Vehicle Fuel	3	4	2	2	2
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	4,518	4,744	3,272	9,237	2,620
Industrial	110,374	116,732	112,115	78,021	103,253
Electric Utilities	3,569	4,671	1,973	7,866	13,742
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	744,394	751,890	766,322	781,711	788,464
Commercial	60,320	60,902	62,064	65,919	76,467
Industrial	2,477	2,491	2,512	2,496	2,465
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	67	66	74	62	59
Commercial	423	431	467	491	336
Industrial	73,362	81,919	80,181	80,625	81,260
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.17	1.82	2.62	2.67	2.19
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.13	1.93	2.63	2.95	2.55
City Gate	3.44	2.89	3.48	3.65	3.17
Delivered to Consumers					
Residential	7.41	6.86	7.22	8.35	8.21
Commercial	6.38	5.80	6.19	6.98	6.65
Industrial	3.26	2.96	3.64	3.65	3.30
Vehicle Fuel	4.24	3.51	2.92	2.42	1.98
Electric Utilities	2.37	2.01	2.95	2.86	2.58

R = Revised data.

a = Federal Offshore included in Louisiana.

NA = Not available.

— = Not applicable.

* = Volume is less than 500,000 cubic feet.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of

Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

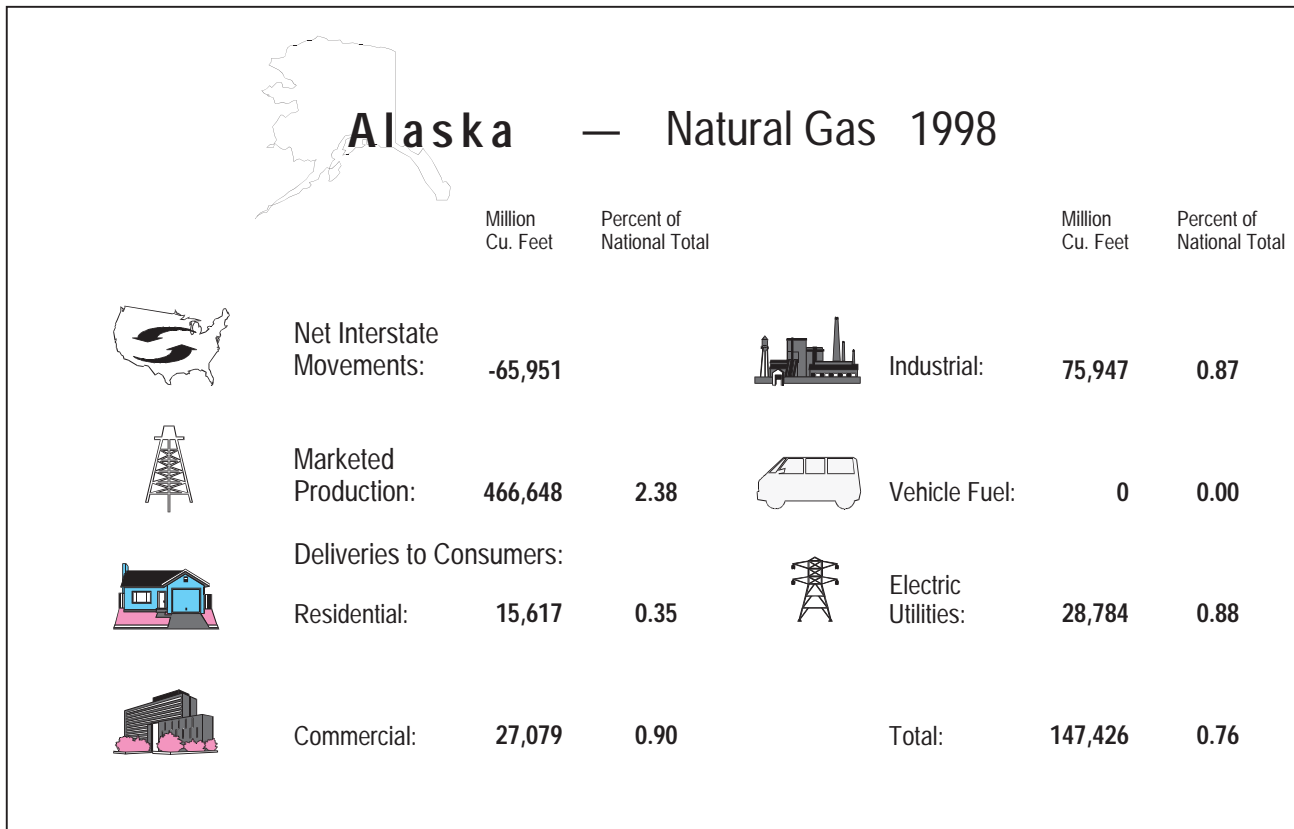


Table 48. Summary Statistics for Natural Gas — Alaska, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	9,733	9,497	9,294	10,562	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	104	100	102	141	148
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	180,639	179,470	183,747	179,534	182,993
From Oil Wells.....	2,905,261	3,190,433	3,189,837	3,201,416	3,195,855
Total.....	3,085,900	3,369,904	3,373,584	3,380,950	3,378,848
Repressuring	2,517,259	2,891,618	2,885,686	2,904,370	2,904,028
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	568,642	478,285	487,897	476,580	474,819
Vented and Flared.....	13,240	8,736	7,070	8,269	8,171
Marketed Production	555,402	469,550	480,828	468,311	466,648
Extraction Loss.....	30,945	35,052	38,453	41,535	40,120
Total Dry Production.....	524,457	434,498	442,375	426,776	426,528
Supply (million cubic feet)					
Dry Production.....	524,457	434,498	442,375	426,776	426,528
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	0	0	0	0	0
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-94,550	61,016	73,996	^R 60,797	74,285
Total Supply.....	429,907	495,514	516,370	^R487,573	500,813

See footnotes at end of table.

Table 48. Summary Statistics for Natural Gas — Alaska, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	367,225	430,231	448,722	^R 425,386	434,862
Deliveries at State Borders					
Exports	62,682	65,283	67,648	62,187	65,951
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	0	0	0	0	0
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	429,907	495,514	516,370	^R487,573	500,813
Consumption (million cubic feet)					
Lease Fuel.....	200,809	253,695	255,500	230,578	242,271
Pipeline Fuel.....	3,024	2,425	2,012	4,938	5,564
Plant Fuel	37,347	39,116	40,334	40,706	39,601
Delivered to Consumers					
Residential.....	14,895	15,231	16,179	15,146	15,617
Commercial	20,698	24,979	27,315	26,908	27,079
Industrial.....	61,404	64,977	75,616	73,599	75,947
Vehicle Fuel.....	0	0	0	0	0
Electric Utilities.....	29,048	29,809	31,767	^R 33,510	28,784
Total Delivered to Consumers	126,045	134,996	150,877	^R149,164	147,426
Total Consumption.....	367,225	430,231	448,722	^R425,386	434,862
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	5,019	9,990	12,241	13,649
Industrial.....	25,523	31,112	27,026	1,609	473
Electric Utilities	8,368	8,990	9,116	10,972	8,631
Firm Deliveries (million cubic feet)					
Residential.....	14,895	15,231	16,179	15,146	15,617
Commercial	20,698	24,979	26,986	26,908	27,079
Industrial.....	57,618	61,463	72,757	71,991	75,474
Electric Utilities	27,541	29,023	30,163	33,754	28,961
Vehicle Fuel.....	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	0	329	0	0
Industrial.....	3,786	3,515	2,859	1,609	473
Electric Utilities	706	664	661	0	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	77,670	79,474	81,348	83,596	86,243
Commercial	12,475	12,584	12,732	12,945	13,176
Industrial.....	11	9	202	7	7
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	192	192	199	181	181
Commercial	1,659	1,985	2,145	2,079	2,055
Industrial.....	5,582,184	7,219,705	374,337	10,514,186	10,849,558
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.27	1.64	1.61	1.82	1.32
Imports	—	—	—	—	—
Exports	3.18	3.41	3.65	3.85	2.91
Pipeline Fuel.....	1.11	1.24	1.17	1.34	1.23
City Gate	1.62	1.67	1.58	1.81	1.72
Delivered to Consumers					
Residential.....	3.60	3.63	3.42	3.77	3.67
Commercial	2.48	2.27	2.32	2.44	2.41
Industrial.....	1.42	1.45	1.41	1.54	1.34
Vehicle Fuel.....	—	—	—	—	—
Electric Utilities	0.72	1.29	1.45	1.74	1.80

^R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-644, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

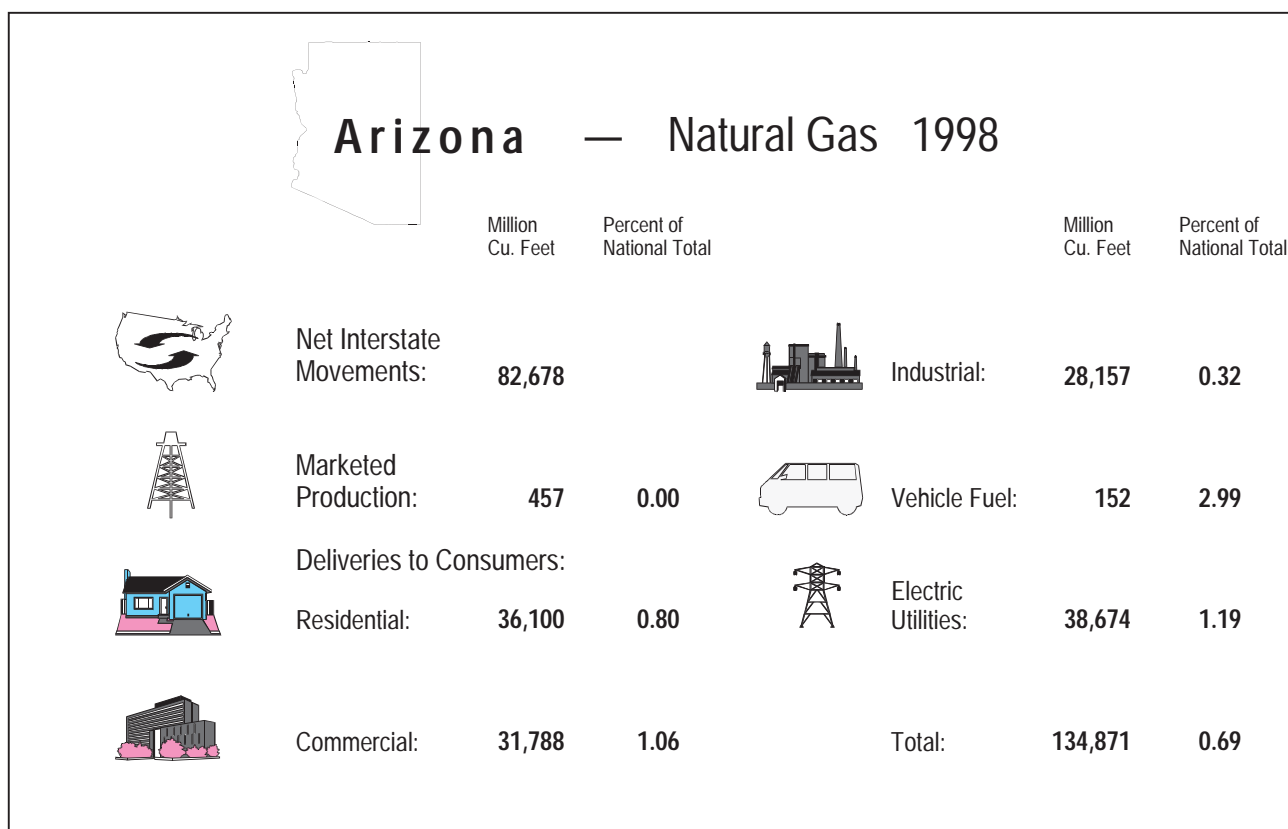


Table 49. Summary Statistics for Natural Gas — Arizona, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	NA	NA	NA	NA	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	6	7	7	8	8
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	711	470	417	398	429
From Oil Wells.....	48	88	47	55	28
Total.....	759	558	464	453	457
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	759	558	464	453	457
Vented and Flared.....	8	0	0	1	0
Marketed Production	752	558	463	452	457
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	752	558	463	452	457
Supply (million cubic feet)					
Dry Production.....	752	558	463	452	457
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,234,695	994,103	883,918	969,669	1,069,361
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	20,057	4,667	-19,994	9,469	71,367
Total Supply.....	1,255,504	999,327	864,387	979,590	1,141,185

See footnotes at end of table.

Table 49. Summary Statistics for Natural Gas — Arizona, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	133,497	120,126	120,350	R131,238	154,502
Deliveries at State Borders					
Exports	2,459	42	3,405	3,901	4,166
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,119,548	879,159	740,632	844,452	982,517
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	1,255,504	999,327	864,387	979,590	1,141,185
Consumption (million cubic feet)					
Lease Fuel	61	57	58	51	46
Pipeline Fuel	24,919	18,338	17,254	18,597	19,585
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	29,684	26,893	27,709	31,057	36,100
Commercial	29,187	28,210	28,987	30,132	31,788
Industrial	25,869	27,663	26,979	27,864	28,157
Vehicle Fuel	61	118	115	152	152
Electric Utilities	23,716	18,846	19,248	R23,385	38,674
Total Delivered to Consumers	108,517	101,731	103,037	R112,590	134,871
Total Consumption	133,497	120,126	120,350	R131,238	154,502
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	2,709	3,282	4,309	4,662	4,777
Industrial	18,035	20,825	21,670	20,873	18,740
Electric Utilities	33,188	25,867	26,662	31,829	35,158
Firm Deliveries (million cubic feet)					
Residential	29,684	26,893	27,709	31,057	36,100
Commercial	28,829	27,789	28,735	30,022	31,577
Industrial	24,898	26,501	25,456	27,392	27,688
Electric Utilities	32,636	25,575	26,624	31,972	39,077
Vehicle Fuel	61	118	115	152	152
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	357	421	252	110	212
Industrial	971	1,162	1,522	471	469
Electric Utilities	594	325	68	47	60
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	635,335	661,192	689,597	724,911	764,167
Commercial	48,568	49,145	49,693	50,115	51,712
Industrial	519	530	534	480	514
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	47	41	40	43	47
Commercial	601	574	583	601	615
Industrial	49,844	52,195	50,522	58,049	54,780
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.40	1.20	1.65	2.40	1.88
Imports	—	—	—	—	—
Exports	1.73	1.53	1.92	2.38	1.92
Pipeline Fuel	1.28	1.19	1.80	2.20	1.90
City Gate	2.53	2.10	2.78	3.15	2.55
Delivered to Consumers					
Residential	7.54	7.82	7.52	7.83	8.50
Commercial	5.27	5.25	5.02	5.32	6.00
Industrial	3.57	3.81	3.80	3.60	3.26
Vehicle Fuel	3.93	3.76	3.45	3.49	4.46
Electric Utilities	2.23	1.77	3.03	2.99	2.42

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quan-

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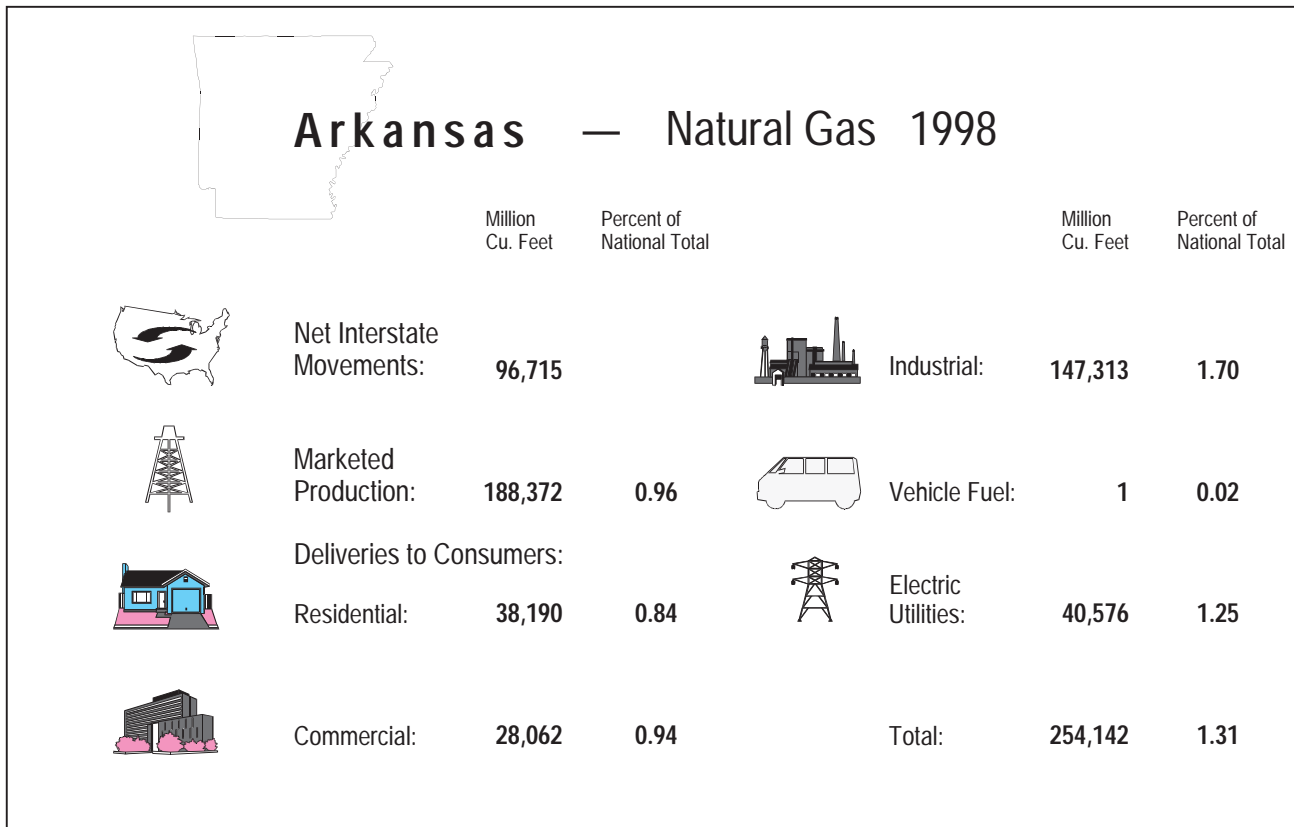


Table 50. Summary Statistics for Natural Gas — Arkansas, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,607	1,563	1,470	1,475	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	3,500	3,988	4,020	3,700	3,900
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	161,967	161,390	182,895	172,642	159,769
From Oil Wells.....	33,446	33,979	41,551	38,145	29,941
Total.....	195,413	195,369	224,446	210,787	189,709
Repressuring	7,426	7,815	2,354	2,139	1,293
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	187,986	187,554	222,092	208,648	188,417
Vented and Flared.....	313	313	270	134	45
Marketed Production	187,673	187,242	221,822	208,514	188,372
Extraction Loss.....	553	488	479	554	451
Total Dry Production.....	187,120	186,754	221,343	207,960	187,921
Supply (million cubic feet)					
Dry Production.....	187,120	186,754	221,343	207,960	187,921
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,865,799	2,614,855	2,810,961	2,872,118	2,510,822
Withdrawals from Storage					
Underground Storage.....	5,731	6,076	7,216	6,915	5,178
LNG Storage	68	56	85	68	62
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-9,054	1,505	-24,500	R-17,975	-10,142
Total Supply.....	3,049,665	2,809,246	3,015,105	R3,069,087	2,693,840

See footnotes at end of table.

Table 50. Summary Statistics for Natural Gas — Arkansas, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	244,425	257,068	270,661	R263,092	272,719
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	2,801,918	2,546,781	2,737,292	2,799,272	2,414,107
Additions to Storage					
Underground Storage	3,249	5,368	7,152	6,665	6,951
LNG Storage	73	29	0	57	64
Total Disposition	3,049,665	2,809,246	3,015,105	R3,069,087	2,693,840
Consumption (million cubic feet)					
Lease Fuel	4,283	5,083	5,124	6,349	7,980
Pipeline Fuel	11,840	11,445	12,501	11,591	10,192
Plant Fuel	467	468	451	508	405
Delivered to Consumers					
Residential	41,527	41,107	46,289	42,428	38,190
Commercial	27,407	27,409	31,006	29,441	28,062
Industrial	133,921	138,803	141,300	147,969	147,313
Vehicle Fuel	3	2	3	2	1
Electric Utilities	24,977	32,750	33,988	R24,805	40,576
Total Delivered to Consumers	227,835	240,071	252,585	R244,644	254,142
Total Consumption	244,425	257,068	270,661	R263,092	272,719
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	1,351	1,104	1,550	1,699	2,576
Industrial	115,461	119,716	122,937	132,410	133,918
Electric Utilities	18,625	23,132	26,442	20,213	40,150
Firm Deliveries (million cubic feet)					
Residential	41,527	41,107	46,289	42,428	38,190
Commercial	23,651	23,336	26,647	25,142	24,208
Industrial	115,036	117,694	122,560	128,566	128,768
Electric Utilities	13,517	21,945	25,197	15,926	40,128
Vehicle Fuel	3	2	1	1	1
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	3,756	4,073	4,359	4,299	3,853
Industrial	18,884	21,109	18,740	19,403	18,545
Electric Utilities	5,903	2,108	2,684	5,151	22
Vehicle Fuel	0	0	2	1	0
Number of Consumers					
Residential	521,176	531,182	539,952	544,460	550,017
Commercial	63,821	65,490	67,293	68,413	69,974
Industrial	1,417	1,366	1,488	1,338	1,302
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	80	77	86	78	69
Commercial	429	419	461	430	401
Industrial	94,510	101,613	94,960	110,589	113,144
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.65	3.02	3.82	4.03	3.92
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.61	1.45	2.41	2.42	1.58
City Gate	2.54	2.32	2.76	3.23	2.94
Delivered to Consumers					
Residential	5.71	5.48	5.92	6.67	6.85
Commercial	4.58	4.09	4.68	5.23	5.16
Industrial	3.28	2.78	3.28	3.71	3.48
Vehicle Fuel	4.29	3.94	3.86	5.21	5.35
Electric Utilities	1.87	1.74	2.52	2.69	2.29

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to independent rounding. Beginning in 1995, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use.

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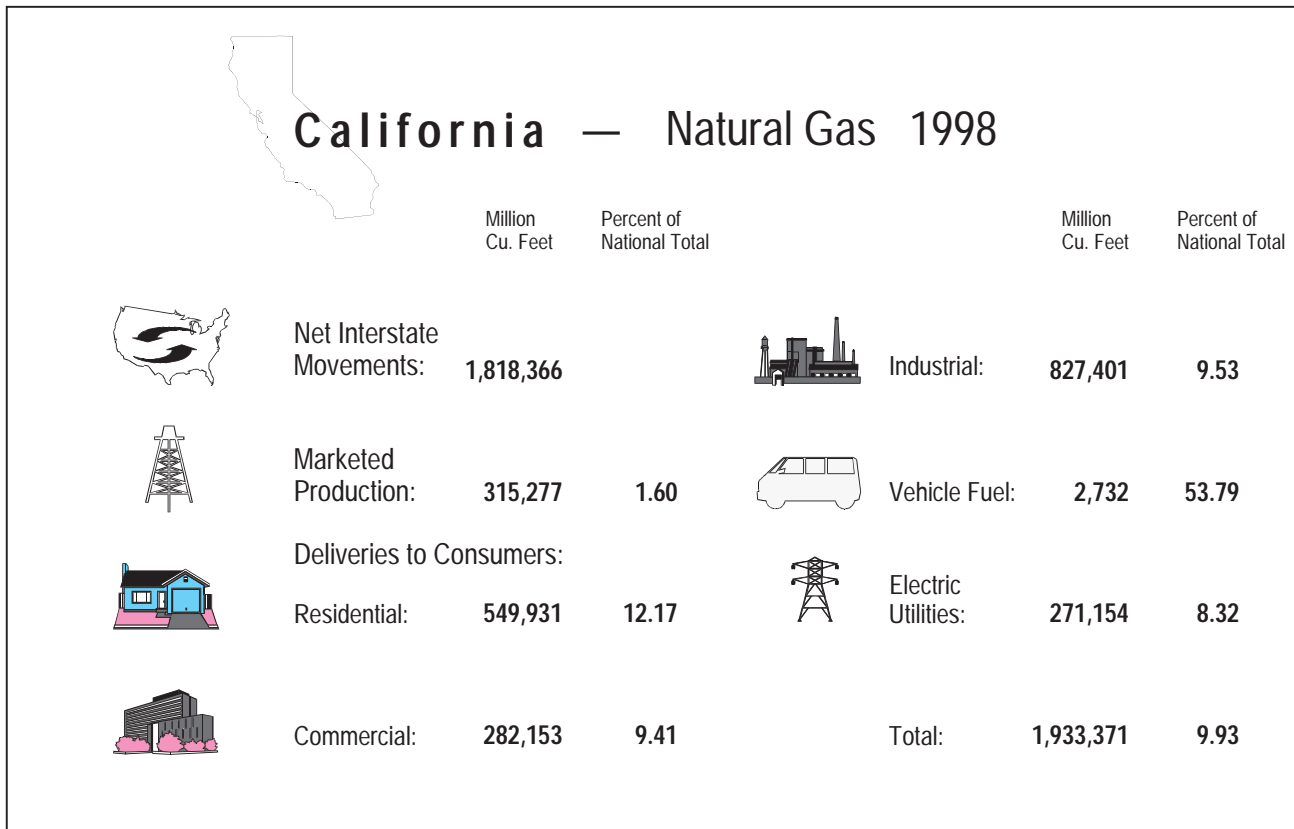


Table 51. Summary Statistics for Natural Gas — California, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	3,572	3,508	2,082	2,273	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	1,261	997	978	930	847
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	113,525	93,808	86,431	78,800	81,097
From Oil Wells.....	282,227	289,430	313,581	318,852	316,472
Total.....	395,752	383,238	400,011	397,652	397,569
Repressuring	84,369	101,513	111,317	110,134	79,614
Nonhydrocarbon Gases Removed.....	1,126	920	932	239	726
Wet After Lease Separation	310,257	280,805	287,763	287,280	317,229
Vented and Flared.....	830	1,250	1,268	1,590	1,952
Marketed Production	309,427	279,555	286,494	285,690	315,277
Extraction Loss.....	11,250	11,509	12,169	11,600	10,242
Total Dry Production.....	298,177	268,046	274,325	274,090	305,035
Supply (million cubic feet)					
Dry Production.....	298,177	268,046	274,325	274,090	305,035
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,887,149	1,690,530	1,547,503	1,671,128	1,820,433
Withdrawals from Storage					
Underground Storage.....	150,844	116,954	155,530	161,852	131,374
LNG Storage	94	72	50	109	150
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-57,030	-6,140	-65,819	R-14,384	-67,706
Total Supply.....	2,279,233	2,069,462	1,911,589	R2,092,795	2,189,286

See footnotes at end of table.

Table 51. Summary Statistics for Natural Gas — California, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	2,123,310	1,925,110	1,807,314	R ¹ 1,946,924	2,014,839
Deliveries at State Borders					
Exports	0	0	0	308	2,067
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	0	0	0	0	0
Additions to Storage					
Underground Storage.....	155,910	144,312	104,238	145,511	172,343
LNG Storage	13	39	37	51	37
Total Disposition	2,279,233	2,069,462	1,911,589	R²2,092,795	2,189,286
Consumption (million cubic feet)					
Lease Fuel.....	63,251	62,160	63,297	69,386	68,370
Pipeline Fuel.....	12,132	18,942	18,281	22,493	8,587
Plant Fuel.....	6,388	4,287	4,520	4,796	4,511
Delivered to Consumers					
Residential.....	520,959	477,495	473,310	478,904	549,931
Commercial	261,989	278,761	235,068	253,923	282,153
Industrial.....	656,751	687,921	693,539	737,354	827,401
Vehicle Fuel.....	550	846	1,264	2,121	2,732
Electric Utilities.....	601,290	394,698	318,035	R ³ 377,946	271,154
Total Delivered to Consumers	2,041,539	1,839,721	1,721,217	R¹1,850,248	1,933,371
Total Consumption.....	2,123,310	1,925,110	1,807,314	R¹1,946,924	2,014,839
Delivered for the Account of Others (million cubic feet)					
Residential.....	3,507	2,848	3,472	3,623	3,699
Commercial	134,346	133,483	106,531	125,836	144,864
Industrial.....	537,503	604,196	622,182	671,397	749,163
Electric Utilities.....	556,557	367,940	263,937	315,728	266,459
Firm Deliveries (million cubic feet)					
Residential.....	520,959	477,495	473,310	478,904	549,931
Commercial	222,004	238,061	195,119	212,897	239,363
Industrial.....	399,736	411,695	397,828	436,602	533,172
Electric Utilities.....	288,054	350,235	151,550	11,167	4,472
Vehicle Fuel.....	529	846	1,264	2,121	2,732
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	39,985	40,700	39,949	41,026	42,790
Industrial.....	257,015	276,226	295,711	300,752	294,229
Electric Utilities.....	308,720	57,141	156,020	353,479	319,192
Vehicle Fuel.....	21	0	0	0	0
Number of Consumers					
Residential.....	8,790,733	8,865,541	8,969,308	9,060,473	9,181,928
Commercial	411,140	411,535	408,294	406,803	588,224
Industrial.....	38,750	38,457	36,613	36,553	36,970
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	59	54	53	53	60
Commercial	637	677	576	624	480
Industrial.....	16,948	17,888	18,942	20,172	22,380
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.50	1.73	1.82	2.41	1.97
Imports	—	—	—	—	—
Exports	—	—	—	3.15	2.58
Pipeline Fuel.....	0.33	1.01	1.63	1.47	1.93
City Gate	2.57	2.03	2.59	2.98	2.38
Delivered to Consumers					
Residential.....	6.39	6.42	6.44	6.81	6.92
Commercial	7.12	6.21	5.96	6.43	6.37
Industrial.....	3.25	3.70	3.77	4.18	3.77
Vehicle Fuel.....	5.09	5.54	4.75	4.50	4.23
Electric Utilities.....	2.56	2.28	2.75	3.08	2.79

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

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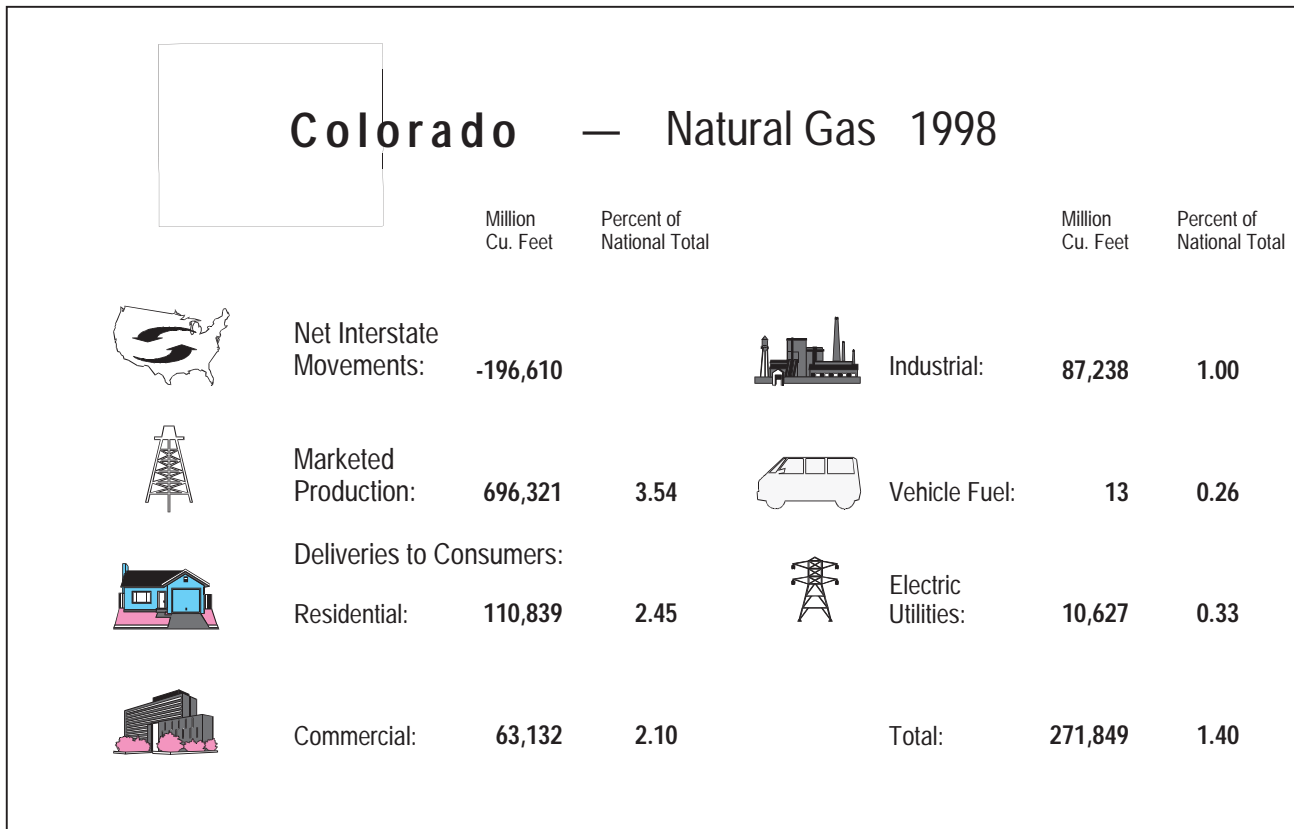


Table 52. Summary Statistics for Natural Gas — Colorado, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	6,753	7,256	7,710	6,828	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	7,056	7,017	8,251	12,433	13,838
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	365,651	436,663	488,292	550,765	606,349
From Oil Wells.....	101,379	102,970	95,724	95,960	98,460
Total.....	467,031	539,633	584,016	646,725	704,809
Repressuring	11,347	15,040	10,715	7,172	7,244
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	455,683	524,593	573,301	639,553	697,565
Vented and Flared.....	2,476	1,510	1,230	2,178	1,244
Marketed Production	453,207	523,084	572,071	637,375	696,321
Extraction Loss.....	19,612	25,225	23,362	28,851	24,365
Total Dry Production.....	433,595	497,859	548,709	608,524	671,956
Supply (million cubic feet)					
Dry Production.....	433,595	497,859	548,709	608,524	671,956
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	585,207	699,431	744,096	751,517	732,416
Withdrawals from Storage					
Underground Storage.....	30,085	36,565	36,804	38,864	34,717
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	8,168	7,170	6,787	6,314	5,292
Balancing Item.....	48,328	-73,329	-240,412	R-225,106	-163,402
Total Supply.....	1,105,383	1,167,696	1,095,985	R1,180,113	1,280,978

See footnotes at end of table.

Table 52. Summary Statistics for Natural Gas — Colorado, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	275,761	283,591	307,367	R305,944	312,163
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	798,437	844,388	750,810	834,780	929,026
Additions to Storage					
Underground Storage	31,185	39,717	37,808	39,389	39,789
LNG Storage	0	0	0	0	0
Total Disposition	1,105,383	1,167,696	1,095,985	R1,180,113	1,280,978
Consumption (million cubic feet)					
Lease Fuel	11,865	11,570	12,598	17,150	18,874
Pipeline Fuel	9,998	11,280	10,869	12,371	9,240
Plant Fuel	12,482	13,560	14,894	12,435	12,200
Delivered to Consumers					
Residential	99,504	104,286	110,924	115,583	110,839
Commercial	65,870	66,639	68,914	69,074	63,132
Industrial	71,093	72,439	83,640	73,781	87,238
Vehicle Fuel	68	18	17	13	13
Electric Utilities	4,881	3,798	5,511	R5,536	10,627
Total Delivered to Consumers	241,416	247,180	269,006	263,988	271,849
Total Consumption	275,761	283,591	307,367	R305,944	312,163
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	3,403	3,863	4,702	4,998	3,573
Industrial	51,292	55,143	65,641	56,338	76,652
Electric Utilities	2,685	554	3,484	428	254
Firm Deliveries (million cubic feet)					
Residential	99,504	104,286	110,924	115,583	110,839
Commercial	60,755	63,563	65,526	65,817	61,339
Industrial	22,625	23,784	33,616	29,472	50,714
Electric Utilities	1,532	1,417	4,105	4,374	8,417
Vehicle Fuel	60	9	8	8	9
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	5,115	3,076	3,388	3,257	1,793
Industrial	48,468	48,655	50,024	44,309	36,525
Electric Utilities	2,687	572	683	558	476
Vehicle Fuel	8	10	9	5	4
Number of Consumers					
Residential	1,073,308	1,108,899	1,147,743	1,183,978	1,223,433
Commercial	115,994	118,502	121,221	123,580	125,178
Industrial	1,176	1,528	2,099	2,961	3,350
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	93	94	97	98	91
Commercial	568	562	568	559	504
Industrial	60,453	47,408	39,848	24,917	26,041
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.39	0.95	1.37	2.23	1.90
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.78	1.45	1.97	2.44	1.98
City Gate	3.31	2.65	2.70	2.92	2.40
Delivered to Consumers					
Residential	4.92	4.80	4.39	4.81	5.22
Commercial	4.37	4.23	3.67	4.06	4.34
Industrial	2.38	2.86	2.91	3.66	2.61
Vehicle Fuel	3.55	1.51	2.12	2.45	2.09
Electric Utilities	2.21	1.74	2.09	3.16	2.98

R = Revised data.
 NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

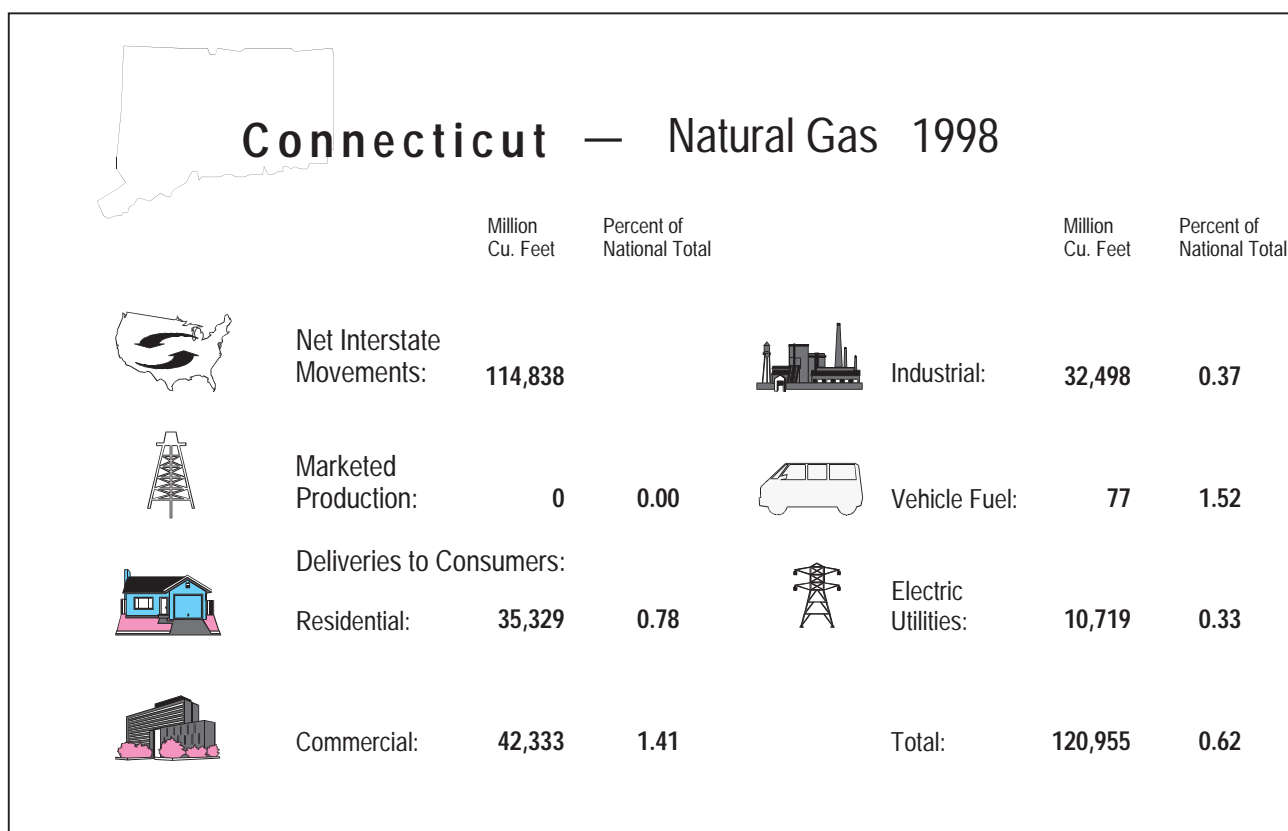


Table 53. Summary Statistics for Natural Gas — Connecticut, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	324,576	410,639	388,927	396,610	342,482
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	1,497	1,109	1,585	737	381
Supplemental Gas Supplies.....	29	68	48	37	33
Balancing Item.....	9,463	-19,321	-5,784	197	6,984
Total Supply.....	335,564	392,495	384,776	R397,580	349,880

See footnotes at end of table.

Table 53. Summary Statistics for Natural Gas — Connecticut, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	120,031	132,273	127,878	137,049	121,788
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	214,098	259,486	254,633	259,700	227,644
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	1,435	736	2,265	832	447
Total Disposition	335,564	392,495	384,776	R397,580	349,880
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	697	1,144	1,390	2,492	833
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	41,600	40,824	43,764	40,562	35,329
Commercial	39,082	37,879	39,786	42,624	42,333
Industrial	30,647	33,106	32,451	34,554	32,498
Vehicle Fuel	2	12	32	56	77
Electric Utilities	8,002	19,310	10,456	R16,761	10,719
Total Delivered to Consumers	119,334	131,130	126,488	134,557	120,955
Total Consumption	120,031	132,273	127,878	137,049	121,788
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	7,455	6,836	5,193	7,709	13,270
Industrial	1,435	4,130	5,008	11,597	14,359
Electric Utilities	6,941	16,058	8,427	12,677	10,653
Firm Deliveries (million cubic feet)					
Residential	41,265	40,476	43,462	40,294	35,120
Commercial	27,680	25,278	29,725	26,213	23,888
Industrial	14,289	15,068	15,116	16,137	15,721
Electric Utilities	6,807	13,475	7,601	10,135	10,606
Vehicle Fuel	1	8	17	28	36
Interruptible Deliveries (million cubic feet)					
Residential	336	348	302	268	209
Commercial	11,402	12,601	10,061	16,411	18,445
Industrial	16,358	18,037	17,334	18,418	16,777
Electric Utilities	1,047	4,747	2,474	2,723	49
Vehicle Fuel	1	4	14	28	40
Number of Consumers					
Residential	428,157	431,909	433,778	436,119	438,716
Commercial	45,042	45,935	47,055	48,195	47,110
Industrial	3,754	3,705	3,435	3,459	3,441
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	97	95	101	93	81
Commercial	868	825	846	884	899
Industrial	8,164	8,935	9,447	9,990	9,444
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.62	2.20	3.50	1.54	3.00
City Gate	4.17	4.70	5.11	5.11	5.06
Delivered to Consumers					
Residential	10.14	10.00	10.08	10.33	10.60
Commercial	7.39	7.57	7.41	7.23	6.90
Industrial	4.49	4.39	4.80	4.73	4.34
Vehicle Fuel	7.74	6.08	6.66	5.68	5.21
Electric Utilities	1.99	2.01	2.76	2.47	2.44

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quan-

ty and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

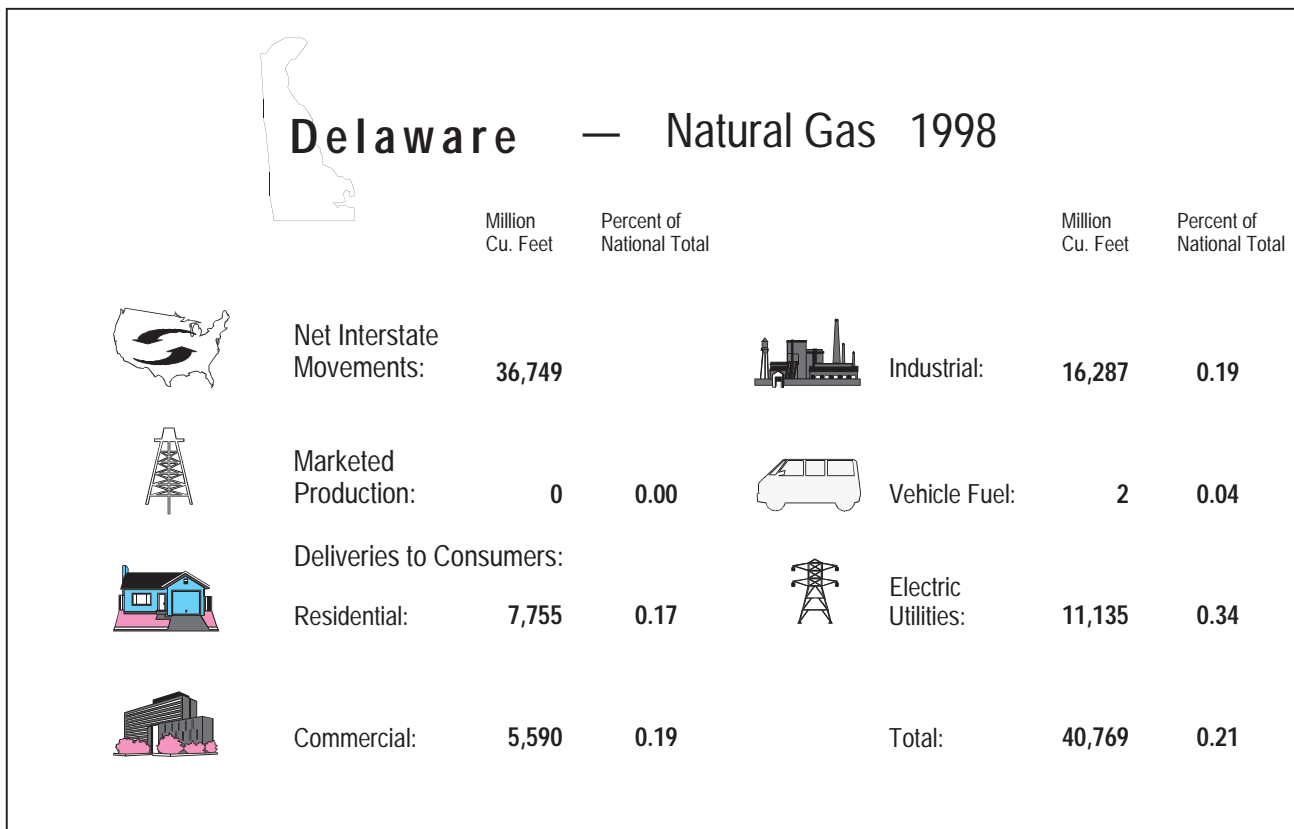


Table 54. Summary Statistics for Natural Gas — Delaware, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	52,304	54,864	46,232	47,619	40,057
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	202	103	226	121	70
Supplemental Gas Supplies.....	3,032	1	1	2	0
Balancing Item.....	-3,781	8,827	11,055	R2,268	4,043
Total Supply	51,758	63,795	57,514	R50,009	44,170

See footnotes at end of table.

Table 54. Summary Statistics for Natural Gas — Delaware, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	48,636	60,662	54,026	R46,492	40,785
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	2,896	3,030	3,252	3,405	3,308
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	225	103	237	112	77
Total Disposition	51,758	63,795	57,514	R50,009	44,170
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	4	5	5	13	15
Plant Fuel.....	0	0	0	0	0
Delivered to Consumers					
Residential.....	8,557	8,505	9,791	8,972	7,755
Commercial	5,459	5,743	6,694	6,608	5,590
Industrial.....	17,216	19,399	14,164	14,805	16,287
Vehicle Fuel.....	1	1	1	2	2
Electric Utilities.....	17,399	27,010	23,370	R16,092	11,135
Total Delivered to Consumers	48,632	60,658	54,020	R46,480	40,769
Total Consumption.....	48,636	60,662	54,026	R46,492	40,785
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial.....	5,631	6,281	8,882	10,223	12,633
Electric Utilities	16,120	21,423	19,088	13,697	10,239
Firm Deliveries (million cubic feet)					
Residential.....	8,557	8,505	9,791	8,972	7,755
Commercial	5,459	5,743	6,694	6,608	5,590
Industrial.....	10,336	11,048	12,303	13,605	15,149
Electric Utilities	16,187	25,043	21,468	14,877	10,769
Vehicle Fuel.....	1	1	1	2	2
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial.....	6,880	8,352	1,861	1,200	1,138
Electric Utilities	1,281	1,903	510	408	59
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	100,431	103,531	106,548	109,400	112,507
Commercial	8,721	9,133	9,518	9,807	10,081
Industrial.....	252	253	250	265	257
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	85	82	92	82	69
Commercial	626	629	703	674	554
Industrial.....	68,319	76,678	56,657	55,870	63,375
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	3.02	3.02	3.51	2.98	2.40
City Gate	2.95	2.70	3.68	3.53	3.02
Delivered to Consumers					
Residential.....	7.43	6.60	7.12	8.36	8.90
Commercial	6.17	5.28	5.82	6.70	7.05
Industrial.....	3.43	2.94	4.32	4.40	4.13
Vehicle Fuel.....	—	3.00	3.03	2.85	2.60
Electric Utilities	2.43	2.34	3.13	3.15	2.89

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quan-

ty and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

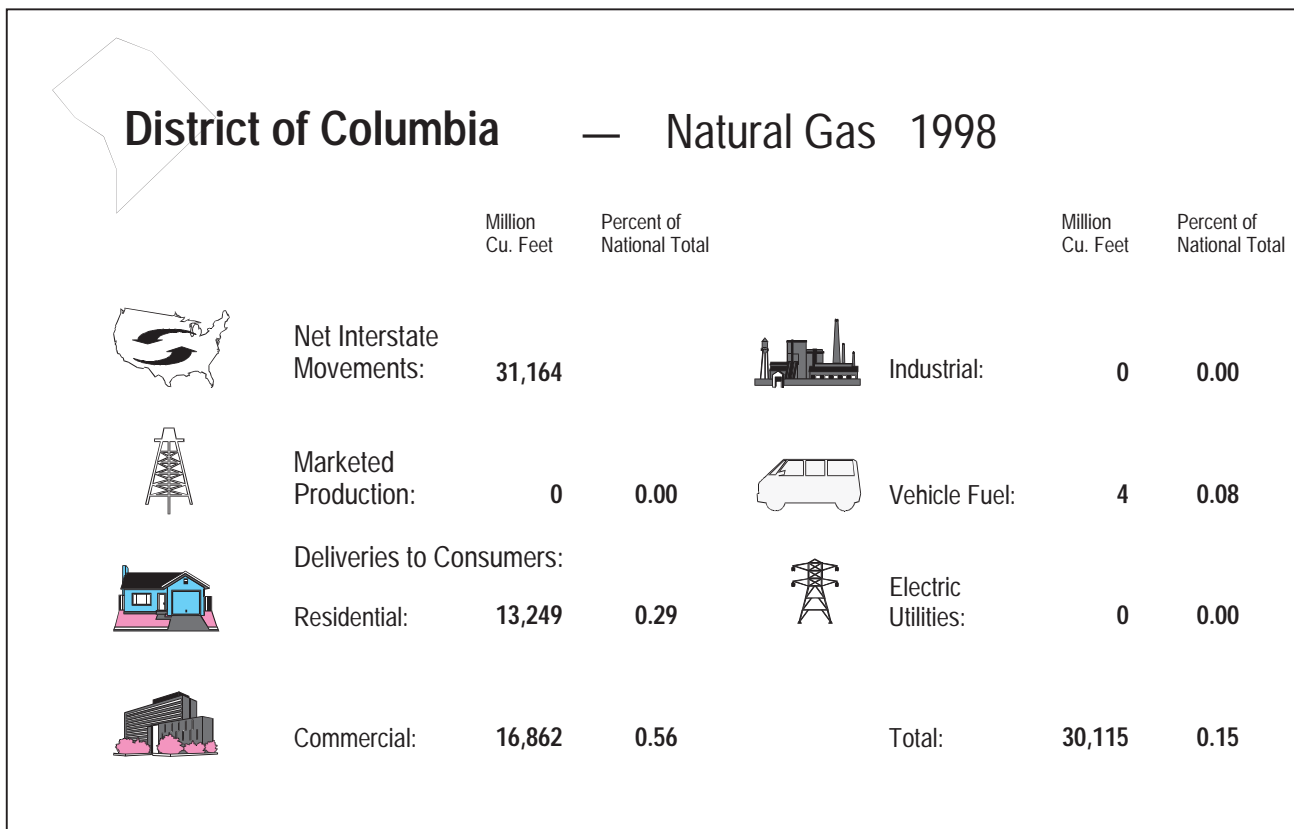


Table 55. Summary Statistics for Natural Gas — District of Columbia, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	29,806	29,860	29,693	35,144	31,164
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	1,042	3,129	4,190	-1,074	-794
Total Supply.....	30,849	32,988	33,883	34,070	30,371

See footnotes at end of table.

Table 55. Summary Statistics for Natural Gas — District of Columbia, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	30,849	32,988	33,883	34,070	30,371
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	0	0	0	0	0
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	30,849	32,988	33,883	34,070	30,371
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	242	254	239	246	256
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	15,865	15,690	17,290	15,807	13,249
Commercial	14,742	17,035	16,347	18,012	16,862
Industrial	0	0	0	0	0
Vehicle Fuel	0	10	6	6	4
Electric Utilities	0	0	0	0	0
Total Delivered to Consumers	30,607	32,735	33,644	33,824	30,115
Total Consumption	30,849	32,988	33,883	34,070	30,371
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	52
Commercial	1,343	3,954	4,823	8,122	8,045
Industrial	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	15,865	15,690	17,290	15,807	13,249
Commercial	6,474	6,479	6,961	6,487	5,629
Industrial	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	8,268	10,556	9,386	11,525	11,233
Industrial	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	10	6	6	4
Number of Consumers					
Residential	135,119	135,299	135,215	134,807	132,867
Commercial	11,132	11,089	10,952	10,874	10,658
Industrial	0	0	0	0	0
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	117	116	128	117	100
Commercial	1,324	1,536	1,493	1,656	1,582
Industrial	0	0	0	0	0
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.13	1.97	3.02	2.97	2.52
City Gate	—	—	—	—	—
Delivered to Consumers					
Residential	8.29	8.03	9.19	9.39	8.91
Commercial	6.16	6.04	7.37	7.38	7.36
Industrial	—	—	—	—	—
Vehicle Fuel	—	2.06	4.94	3.01	2.60
Electric Utilities	—	—	—	—	—

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

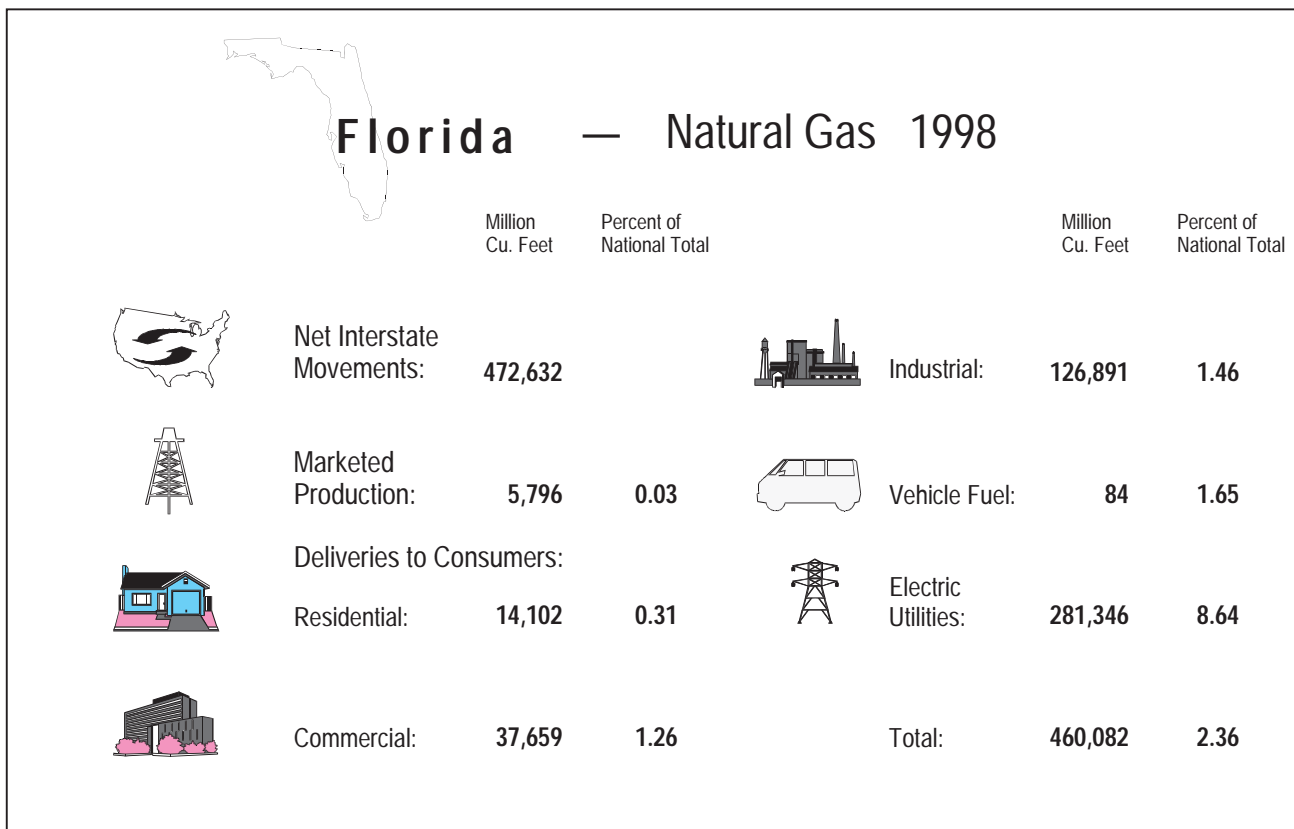


Table 56. Summary Statistics for Natural Gas — Florida, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	98	92	96	96	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	8,468	7,133	6,706	6,907	6,547
Total.....	8,468	7,133	6,706	6,907	6,547
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	762	642	700	793	751
Wet After Lease Separation	7,706	6,491	6,006	6,114	5,796
Vented and Flared.....	220	28	0	0	0
Marketed Production	7,486	6,463	6,006	6,114	5,796
Extraction Loss.....	1,789	1,630	1,649	1,563	1,523
Total Dry Production.....	5,697	4,833	4,357	4,551	4,273
Supply (million cubic feet)					
Dry Production.....	5,697	4,833	4,357	4,551	4,273
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	359,172	523,721	483,085	503,155	472,632
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	2,713	-12,921	-1,041	^R -21,998	-10,664
Total Supply.....	367,582	515,633	486,401	^R485,707	466,241

See footnotes at end of table.

Table 56. Summary Statistics for Natural Gas — Florida, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	367,552	515,598	486,367	^R 485,679	466,241
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	30	34	33	28	0
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	367,582	515,633	486,401	^R485,707	466,241
Consumption (million cubic feet)					
Lease Fuel	653	620	2,049	2,321	2,200
Pipeline Fuel	5,304	7,504	5,723	5,644	3,830
Plant Fuel	167	145	125	113	129
Delivered to Consumers					
Residential	13,855	14,540	16,293	13,117	14,102
Commercial	39,935	40,383	41,810	36,700	37,659
Industrial	126,873	133,477	136,722	130,816	126,891
Vehicle Fuel	68	75	88	64	84
Electric Utilities	180,697	318,854	283,557	^R 296,903	281,346
Total Delivered to Consumers	361,428	507,329	478,471	^R477,601	460,082
Total Consumption	367,552	515,598	486,367	^R485,679	466,241
Delivered for the Account of Others (million cubic feet)					
Residential	85	92	118	104	104
Commercial	861	988	1,204	932	1,281
Industrial	106,166	112,361	119,191	117,731	118,050
Electric Utilities	182,379	308,563	269,460	297,298	287,762
Firm Deliveries (million cubic feet)					
Residential	13,855	14,540	16,293	13,117	14,102
Commercial	39,127	39,761	40,677	35,589	36,827
Industrial	47,194	57,376	55,063	41,987	52,694
Electric Utilities	169,240	277,108	247,959	254,562	273,858
Vehicle Fuel	67	75	88	64	84
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	809	622	1,134	1,111	832
Industrial	79,679	76,101	81,659	88,829	74,197
Electric Utilities	15,105	33,157	22,560	43,810	16,503
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	497,777	512,365	521,674	532,790	542,770
Commercial	47,851	46,459	47,578	48,251	46,778
Industrial	481	515	517	565	579
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	28	28	31	25	26
Commercial	835	869	879	761	805
Industrial	263,770	259,178	264,453	231,533	219,156
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.28	1.24	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.50	1.55	2.37	2.38	2.38
City Gate	2.78	2.74	3.73	3.97	3.42
Delivered to Consumers					
Residential	9.98	9.85	10.74	11.90	11.29
Commercial	5.54	5.33	6.45	6.85	6.41
Industrial	3.51	3.28	4.21	4.41	3.98
Vehicle Fuel	4.36	3.86	4.87	5.07	4.72
Electric Utilities	2.18	2.26	3.12	2.51	2.27

^R = Revised data.
 NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

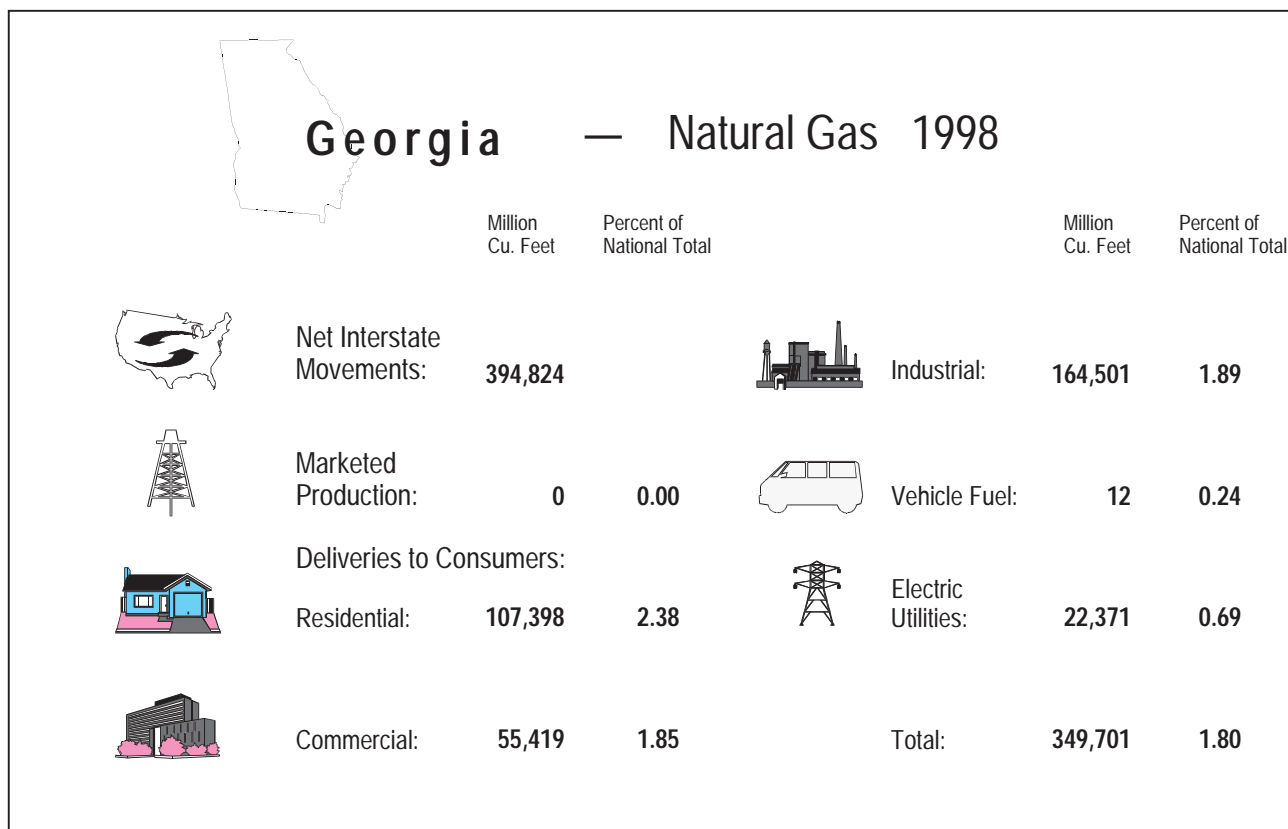


Table 57. Summary Statistics for Natural Gas — Georgia, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,371,651	1,439,907	1,502,968	1,498,880	1,511,671
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	3,881	5,210	6,712	3,374	2,458
Supplemental Gas Supplies.....	123	130	94	14	16
Balancing Item.....	9,314	4,718	5,057	R-7,723	-38,231
Total Supply	1,384,970	1,449,965	1,514,831	R1,494,545	1,475,914

See footnotes at end of table.

Table 57. Summary Statistics for Natural Gas — Georgia, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	341,344	370,385	383,346	R361,673	357,307
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,039,839	1,075,834	1,124,962	1,129,650	1,116,847
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	3,788	3,746	6,523	3,221	1,760
Total Disposition	1,384,970	1,449,965	1,514,831	R1,494,545	1,475,914
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	6,987	7,651	8,463	7,973	7,606
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	105,436	114,670	127,062	114,383	107,398
Commercial	54,051	56,536	61,377	57,220	55,419
Industrial	173,839	183,692	181,768	174,747	164,501
Vehicle Fuel	3	2	1	7	12
Electric Utilities	1,028	7,834	4,674	R7,342	22,371
Total Delivered to Consumers	334,357	362,734	374,882	R353,700	349,701
Total Consumption	341,344	370,385	383,346	R361,673	357,307
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	74
Commercial	4,304	3,663	3,646	6,211	9,078
Industrial	108,859	118,125	123,193	128,111	122,918
Electric Utilities	0	0	0	0	4,489
Firm Deliveries (million cubic feet)					
Residential	105,436	114,670	127,062	114,383	107,398
Commercial	42,537	44,215	49,758	45,039	43,554
Industrial	46,311	46,308	44,133	34,768	23,578
Electric Utilities	1,137	7,813	4,575	6,800	26,058
Vehicle Fuel	0	0	0	7	12
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	11,514	12,321	11,618	12,181	11,865
Industrial	127,529	137,384	137,635	139,980	140,923
Electric Utilities	0	0	0	0	0
Vehicle Fuel	2	2	0	0	0
Number of Consumers					
Residential	1,460,141	1,495,992	1,538,458	1,553,948	1,659,730
Commercial	117,980	120,122	123,200	123,367	126,050
Industrial	3,277	3,261	3,310	3,311	3,263
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	72	77	83	74	65
Commercial	458	471	498	464	440
Industrial	53,048	56,330	54,915	52,778	50,414
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.14	1.93	2.62	3.09	2.48
City Gate	3.54	2.96	3.77	3.98	3.51
Delivered to Consumers					
Residential	7.32	6.18	6.69	7.41	6.78
Commercial	6.18	5.20	5.89	6.43	6.00
Industrial	3.90	3.55	4.40	4.56	3.92
Vehicle Fuel	4.07	3.86	3.86	4.14	4.10
Electric Utilities	3.29	2.79	2.88	2.72	3.21

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

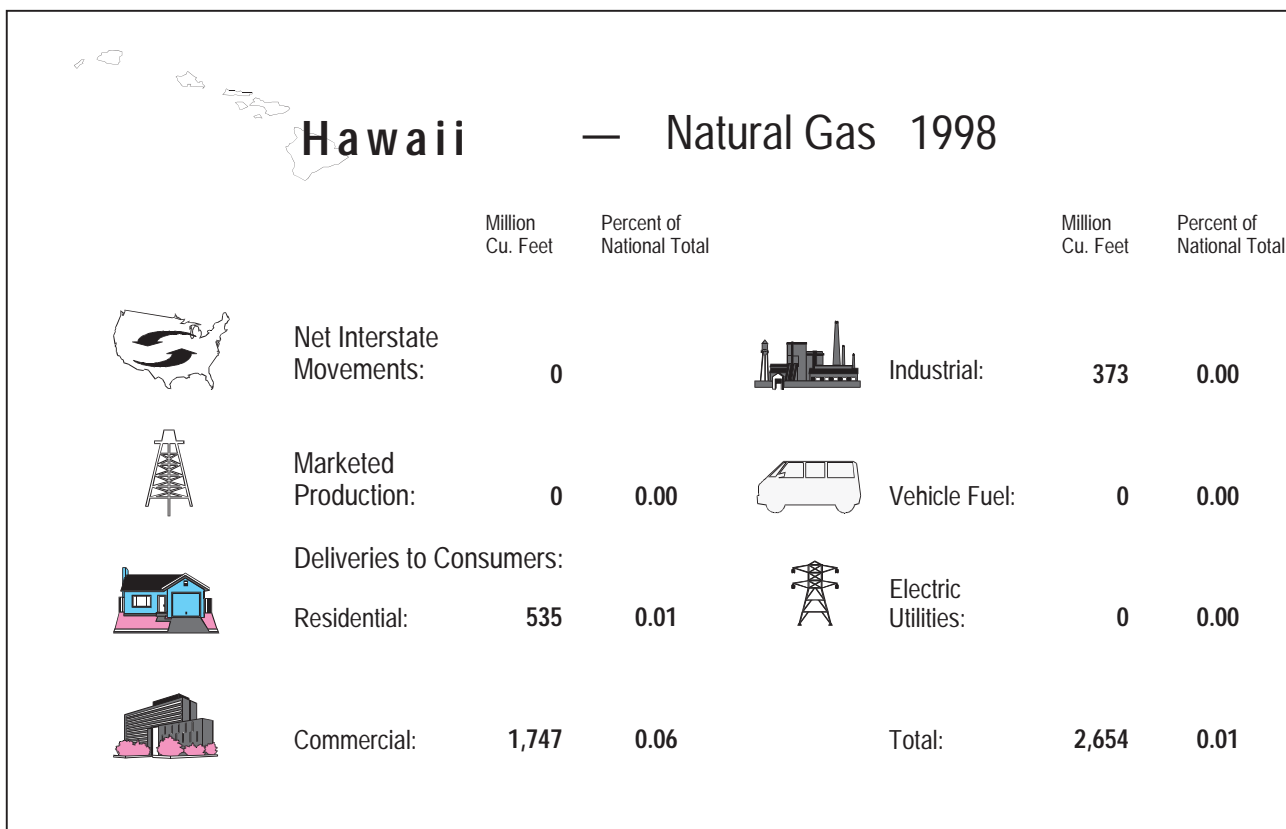


Table 58. Summary Statistics for Natural Gas — Hawaii, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	0	0	0	0	0
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	2,831	2,793	2,761	2,617	2,715
Balancing Item.....	-53	-21	-88	-6	-61
Total Supply	2,778	2,773	2,672	2,611	2,654

See footnotes at end of table.

Table 58. Summary Statistics for Natural Gas — Hawaii, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	2,778	2,773	2,672	2,611	2,654
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	0	0	0	0	0
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	2,778	2,773	2,672	2,611	2,654
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	0	0	0	0	0
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	578	574	540	517	535
Commercial	2,200	2,199	2,132	1,751	1,747
Industrial	0	0	0	342	373
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Total Delivered to Consumers	2,778	2,773	2,672	2,611	2,654
Total Consumption	2,778	2,773	2,672	2,611	2,654
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	578	574	540	517	535
Commercial	1,837	1,856	1,865	1,751	1,747
Industrial	0	0	0	68	62
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	363	343	267	0	0
Industrial	0	0	0	274	311
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	30,614	30,492	31,017	30,990	30,918
Commercial	2,805	2,825	2,823	2,783	2,761
Industrial	0	0	0	27	26
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	19	19	17	17	17
Commercial	784	778	755	629	633
Industrial	0	0	0	12,657	14,329
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	—	—	—	—	—
City Gate	4.94	5.20	6.05	6.42	5.33
Delivered to Consumers					
Residential	16.83	17.55	19.81	21.74	19.25
Commercial	12.40	13.00	14.40	15.77	14.15
Industrial	—	—	—	10.79	8.64
Vehicle Fuel	—	—	—	—	—
Electric Utilities	—	—	—	—	—

NA = Not available.
— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

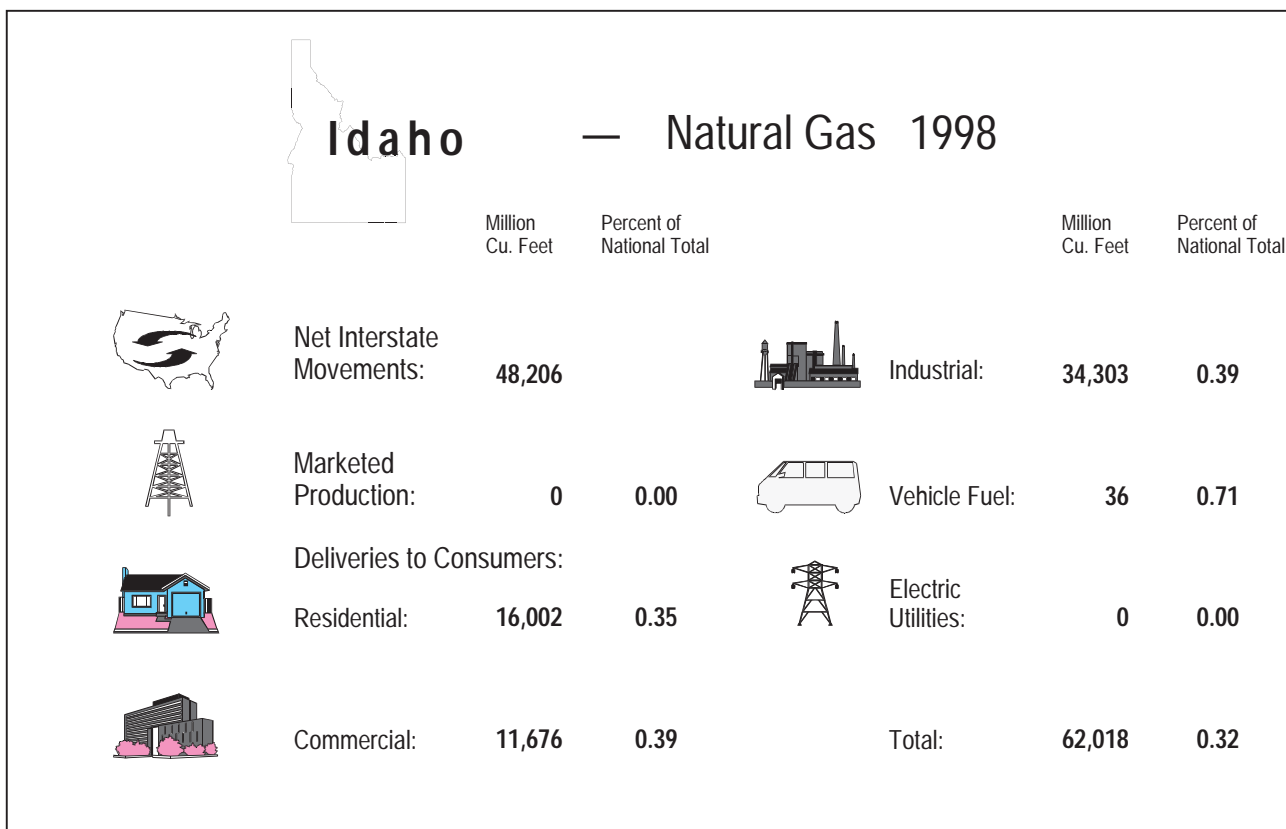


Table 59. Summary Statistics for Natural Gas — Idaho, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	723,071	823,478	842,114	856,503	879,840
Intransit Receipts	0	0	0	0	0
Interstate Receipts	98,230	139,483	126,244	145,009	103,464
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	373	434	661	836	1,236
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-4,498	-12,055	-1,765	16,288	18,849
Total Supply	817,176	951,340	967,254	1,018,636	1,003,389

See footnotes at end of table.

Table 59. Summary Statistics for Natural Gas — Idaho, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	56,905	63,777	67,006	66,892	67,514
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	759,717	887,158	899,611	950,876	935,098
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	554	405	636	868	776
Total Disposition	817,176	951,340	967,254	1,018,636	1,003,389
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	4,741	6,370	5,948	5,186	5,496
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	12,285	13,003	14,941	15,239	16,002
Commercial	10,088	10,360	11,506	11,433	11,676
Industrial	29,781	34,024	34,577	34,999	34,303
Vehicle Fuel	10	19	34	36	36
Electric Utilities	0	0	0	0	0
Total Delivered to Consumers	52,164	57,407	61,058	61,707	62,018
Total Consumption	56,905	63,777	67,006	66,892	67,514
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	1,427	1,450	1,543	1,593	1,594
Industrial	28,932	33,291	34,080	34,311	33,429
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	12,285	13,003	14,941	15,239	16,002
Commercial	10,088	10,360	11,506	11,372	11,617
Industrial	26,511	33,561	30,261	23,340	21,383
Electric Utilities	0	0	0	0	0
Vehicle Fuel	10	19	34	36	36
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	0	0	0	61	59
Industrial	3,270	463	4,316	11,659	12,920
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	162,971	175,320	187,756	200,165	213,786
Commercial	22,999	24,150	25,271	26,436	27,697
Industrial	144	167	183	189	203
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	75	74	80	76	75
Commercial	439	429	455	432	422
Industrial	206,812	203,738	188,946	185,181	168,981
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	1.60	0.94	1.22	1.60	1.60
Exports	—	—	—	—	—
Pipeline Fuel	1.86	1.78	1.79	1.83	1.67
City Gate	2.46	2.18	2.24	2.12	1.95
Delivered to Consumers					
Residential	5.29	5.59	5.20	5.12	5.33
Commercial	5.01	4.87	4.56	4.49	4.62
Industrial	3.85	3.67	2.78	2.76	3.09
Vehicle Fuel	2.29	3.36	3.14	4.19	3.39
Electric Utilities	—	—	—	—	—

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

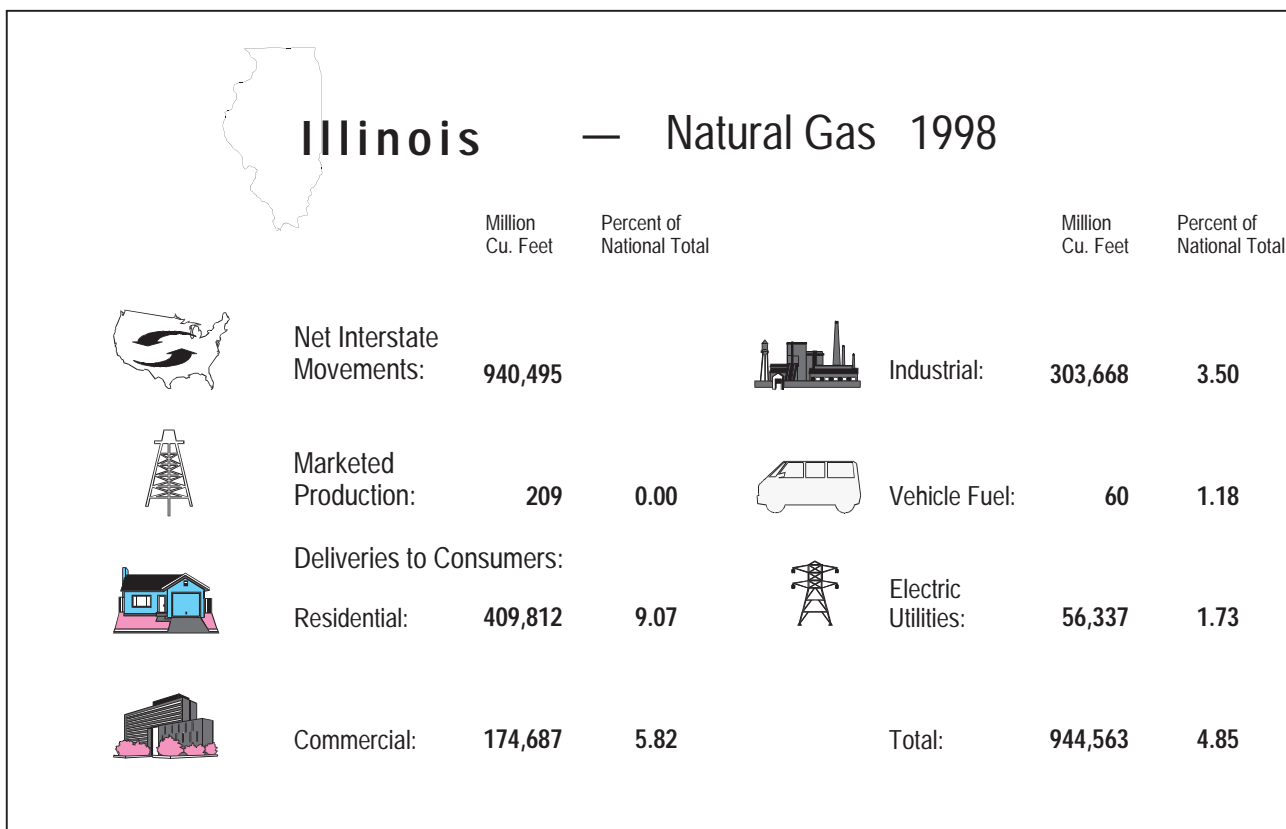


Table 60. Summary Statistics for Natural Gas — Illinois, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	NA	NA	NA	NA	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	390	372	370	372	185
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	323	325	289	224	203
From Oil Wells.....	10	10	9	7	6
Total.....	333	335	298	231	209
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	333	335	298	231	209
Vented and Flared.....	0	0	0	0	0
Marketed Production	333	335	298	231	209
Extraction Loss.....	80	77	64	200	70
Total Dry Production.....	253	258	234	31	139
Supply (million cubic feet)					
Dry Production.....	253	258	234	31	139
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,489,443	2,446,381	2,607,330	2,495,356	2,161,831
Withdrawals from Storage					
Underground Storage.....	222,871	286,390	226,020	217,632	215,309
LNG Storage	1,317	382	1,259	483	410
Supplemental Gas Supplies.....	7,871	6,256	3,912	4,165	2,736
Balancing Item.....	-131,627	-8,866	21,534	R62,534	23,707
Total Supply.....	2,590,128	2,730,801	2,860,289	R2,780,202	2,404,132

See footnotes at end of table.

Table 60. Summary Statistics for Natural Gas — Illinois, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	1,024,908	1,078,543	1,119,443	R1,077,066	957,647
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,328,116	1,388,479	1,498,747	1,475,069	1,221,336
Additions to Storage					
Underground Storage	235,778	263,409	241,129	227,785	225,089
LNG Storage	1,326	370	971	283	60
Total Disposition	2,590,128	2,730,801	2,860,289	R2,780,202	2,404,132
Consumption (million cubic feet)					
Lease Fuel	10	7	7	6	5
Pipeline Fuel	13,828	13,208	14,388	14,517	12,995
Plant Fuel	101	90	75	80	84
Delivered to Consumers					
Residential	473,788	500,796	538,749	497,230	409,812
Commercial	197,558	203,802	218,054	202,850	174,687
Industrial	305,090	321,465	322,275	317,755	303,668
Vehicle Fuel	29	31	32	21	60
Electric Utilities	34,505	39,143	25,863	R44,607	56,337
Total Delivered to Consumers	1,010,969	1,065,238	1,104,972	R1,062,463	944,563
Total Consumption	1,024,908	1,078,543	1,119,443	R1,077,066	957,647
Delivered for the Account of Others (million cubic feet)					
Residential	31,119	34,652	34,758	34,653	32,068
Commercial	93,206	101,211	100,495	92,730	91,872
Industrial	267,348	286,103	278,262	281,159	275,415
Electric Utilities	32,064	35,703	24,894	44,010	53,692
Firm Deliveries (million cubic feet)					
Residential	473,788	500,796	538,749	497,230	409,812
Commercial	197,449	203,732	217,976	202,509	174,598
Industrial	283,174	305,656	307,618	303,236	289,642
Electric Utilities	33,596	40,528	28,718	49,475	59,850
Vehicle Fuel	29	31	32	21	60
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	108	70	78	341	88
Industrial	21,916	15,810	14,657	14,518	14,025
Electric Utilities	2	2	0	101	7
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	3,418,052	3,452,975	3,494,545	3,521,707	3,556,736
Commercial	262,308	264,756	265,007	268,841	271,585
Industrial	25,788	25,929	29,493	28,473	28,064
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	139	145	154	141	115
Commercial	753	770	823	755	643
Industrial	11,831	12,398	10,927	11,160	10,821
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.40	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.88	1.66	2.63	2.68	2.27
City Gate	3.02	2.59	3.27	3.28	2.77
Delivered to Consumers					
Residential	5.50	4.66	5.28	5.95	5.47
Commercial	5.12	4.42	4.92	5.43	5.07
Industrial	4.39	3.57	4.12	3.97	3.96
Vehicle Fuel	3.22	2.89	3.44	3.01	2.76
Electric Utilities	2.04	1.71	2.62	2.55	2.25

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

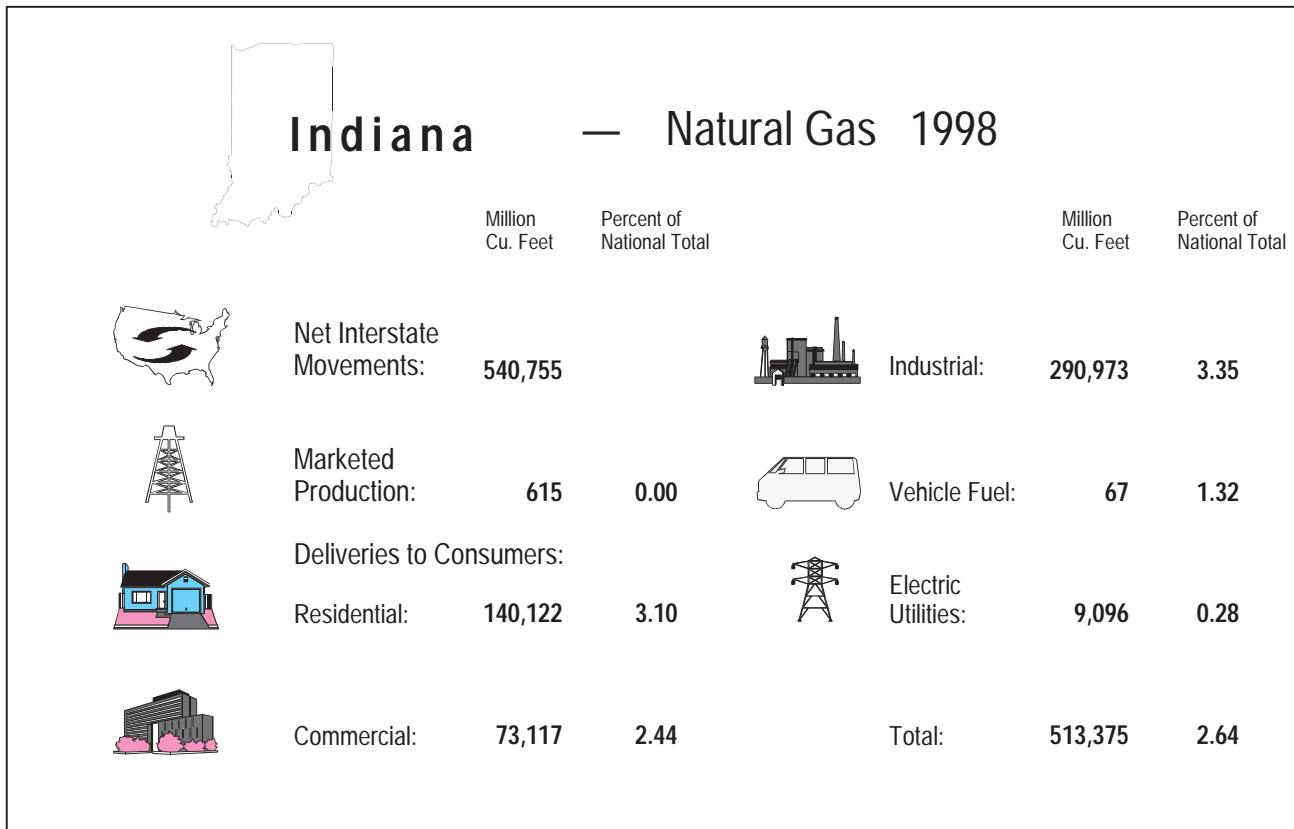


Table 61. Summary Statistics for Natural Gas — Indiana, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	NA	NA	NA	NA	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	1,348	1,347	1,367	1,458	1,479
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	107	249	360	526	615
From Oil Wells.....	0	0	0	0	0
Total.....	107	249	360	526	615
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	107	249	360	526	615
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	107	249	360	526	615
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	107	249	360	526	615
Supply (million cubic feet)					
Dry Production.....	107	249	360	526	615
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,233,089	2,041,013	2,305,253	2,255,729	1,869,111
Withdrawals from Storage					
Underground Storage.....	21,081	25,046	25,462	24,388	21,113
LNG Storage	2,733	1,554	4,571	1,867	1,102
Supplemental Gas Supplies.....	2,457	3,199	3,194	3,580	3,149
Balancing Item.....	-80,586	-34,543	-53,249	R-74,492	-22,397
Total Supply.....	2,178,880	2,036,518	2,285,590	R2,211,599	1,872,693

See footnotes at end of table.

Table 61. Summary Statistics for Natural Gas — Indiana, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	519,356	535,311	573,480	^R 557,122	520,715
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,632,229	1,475,557	1,680,509	1,628,553	1,328,356
Additions to Storage					
Underground Storage	24,656	24,335	27,263	23,403	22,034
LNG Storage	2,638	1,316	4,337	2,520	1,589
Total Disposition	2,178,880	2,036,518	2,285,590	^R2,211,599	1,872,693
Consumption (million cubic feet)					
Lease Fuel	2	5	8	12	13
Pipeline Fuel	6,872	7,586	12,416	10,773	7,327
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	157,467	161,059	179,939	169,140	140,122
Commercial	75,819	82,726	87,456	81,753	73,117
Industrial	270,128	275,487	289,219	290,723	290,973
Vehicle Fuel	59	98	112	60	67
Electric Utilities	9,009	8,349	4,330	^R 4,661	9,096
Total Delivered to Consumers	512,482	527,719	561,056	^R546,337	513,375
Total Consumption	519,356	535,311	573,480	^R557,122	520,715
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	179
Commercial	5,841	10,149	3,255	8,290	15,216
Industrial	233,870	236,435	241,236	244,246	264,161
Electric Utilities	7,370	11,986	6,373	7,438	5,581
Firm Deliveries (million cubic feet)					
Residential	157,467	161,059	179,939	169,140	140,122
Commercial	70,323	76,041	81,040	72,792	66,238
Industrial	61,982	64,219	72,016	70,885	61,270
Electric Utilities	2,353	1,947	1,886	2,051	3,649
Vehicle Fuel	59	98	112	60	67
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	5,496	6,685	6,416	8,961	6,879
Industrial	208,146	211,267	217,204	219,838	229,703
Electric Utilities	7,058	11,456	5,951	6,243	2,435
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	1,438,483	1,463,640	1,489,647	1,509,142	1,531,914
Commercial	134,336	137,162	139,097	140,515	141,307
Industrial	6,314	6,250	6,586	6,921	6,636
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	109	110	121	112	91
Commercial	564	603	629	582	517
Industrial	42,782	44,078	43,914	42,006	43,848
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.97	1.90	2.30	2.18	2.09
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.03	1.05	2.47	2.58	2.27
City Gate	2.98	2.84	3.09	3.03	2.45
Delivered to Consumers					
Residential	6.24	5.37	5.54	6.37	6.56
Commercial	5.33	4.38	4.67	5.44	5.50
Industrial	4.60	3.41	3.62	4.33	4.28
Vehicle Fuel	5.11	7.13	7.20	5.53	5.33
Electric Utilities	2.72	2.49	3.48	3.23	2.88

^R = Revised data.
 NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

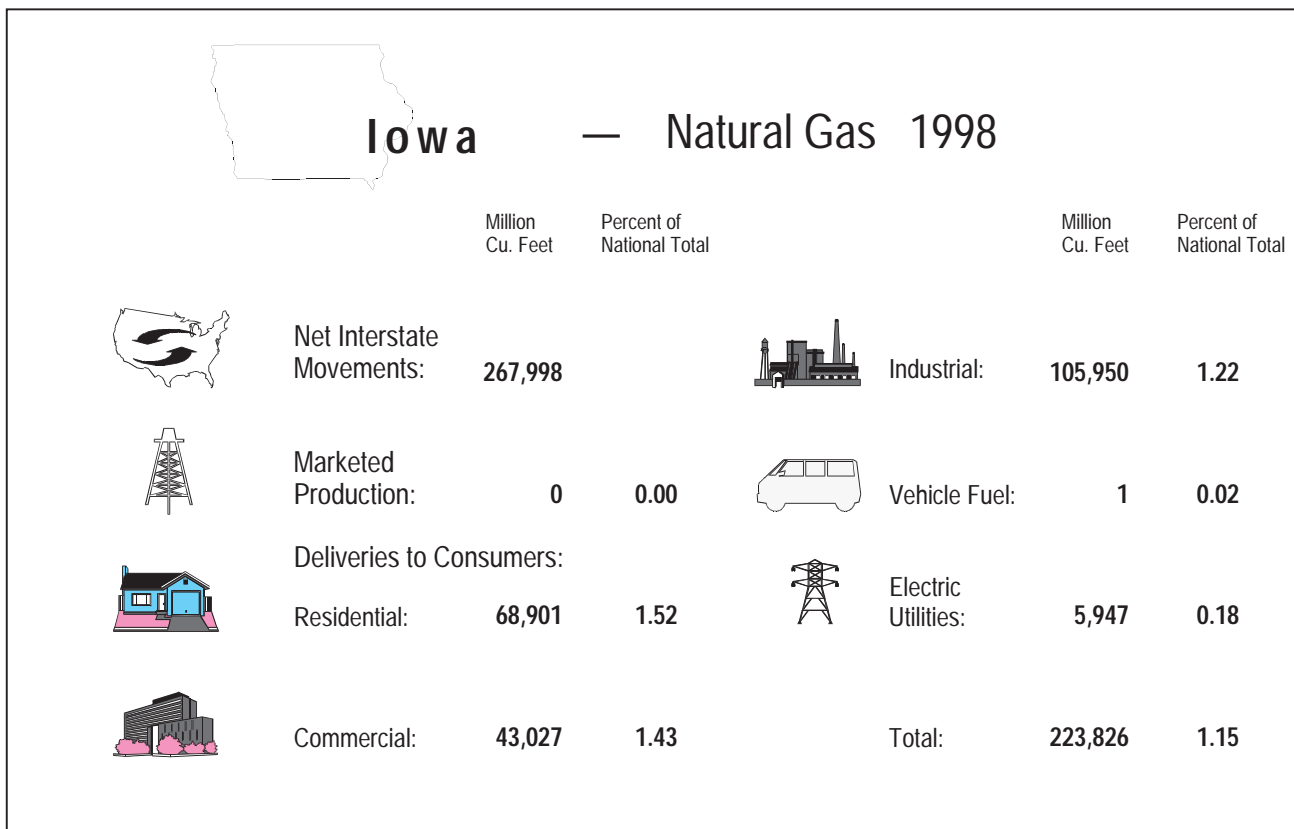


Table 62. Summary Statistics for Natural Gas — Iowa, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,443,469	1,444,142	1,497,972	1,436,026	1,292,698
Withdrawals from Storage					
Underground Storage.....	68,162	77,228	59,831	54,877	67,047
LNG Storage	3,521	2,996	3,284	1,893	989
Supplemental Gas Supplies.....	123	96	301	137	17
Balancing Item.....	-35,943	-471	-16,204	-30,437	-32,185
Total Supply.....	1,479,332	1,523,991	1,545,184	1,462,496	1,328,566

See footnotes at end of table.

Table 62. Summary Statistics for Natural Gas — Iowa, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	248,351	262,313	272,789	254,785	232,596
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,156,188	1,188,548	1,206,074	1,144,445	1,024,700
Additions to Storage					
Underground Storage	70,926	70,785	61,060	61,132	70,001
LNG Storage	3,867	2,346	5,262	2,134	1,269
Total Disposition	1,479,332	1,523,991	1,545,184	1,462,496	1,328,566
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	10,737	11,051	12,649	11,309	8,770
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	78,260	82,238	88,078	81,696	68,901
Commercial	47,922	50,325	54,571	50,191	43,027
Industrial	108,731	115,080	113,995	107,463	105,950
Vehicle Fuel	5	5	4	2	1
Electric Utilities	2,696	3,614	3,491	R4,124	5,947
Total Delivered to Consumers	237,614	251,262	260,140	243,476	223,826
Total Consumption	248,351	262,313	272,789	254,785	232,596
Delivered for the Account of Others (million cubic feet)					
Residential	0	13	61	0	0
Commercial	4,597	5,394	6,728	5,934	6,129
Industrial	96,016	104,993	103,757	98,195	98,665
Electric Utilities	1,721	2,157	2,261	5,966	7,398
Firm Deliveries (million cubic feet)					
Residential	78,260	82,238	88,078	81,696	68,901
Commercial	45,048	47,318	51,495	45,818	38,952
Industrial	92,964	98,496	98,496	R82,743	80,873
Electric Utilities	1,826	2,488	2,699	6,483	8,055
Vehicle Fuel	5	5	4	2	1
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	2,874	3,006	3,076	4,373	4,075
Industrial	15,766	16,584	17,122	R24,719	25,077
Electric Utilities	648	643	151	111	759
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	750,678	760,848	771,109	780,746	790,162
Commercial	86,918	88,585	89,663	90,643	91,300
Industrial	1,957	1,957	2,066	1,843	1,878
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	104	108	114	105	87
Commercial	551	568	609	554	471
Industrial	55,560	58,804	55,177	58,309	56,416
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.39	1.40	2.37	2.46	2.06
City Gate	3.15	2.82	3.47	4.06	3.34
Delivered to Consumers					
Residential	5.40	5.09	5.49	6.17	5.96
Commercial	4.51	4.14	4.59	5.18	4.67
Industrial	3.99	3.23	3.63	4.11	3.49
Vehicle Fuel	3.51	2.98	2.70	5.41	4.82
Electric Utilities	3.18	2.72	3.23	3.41	3.07

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

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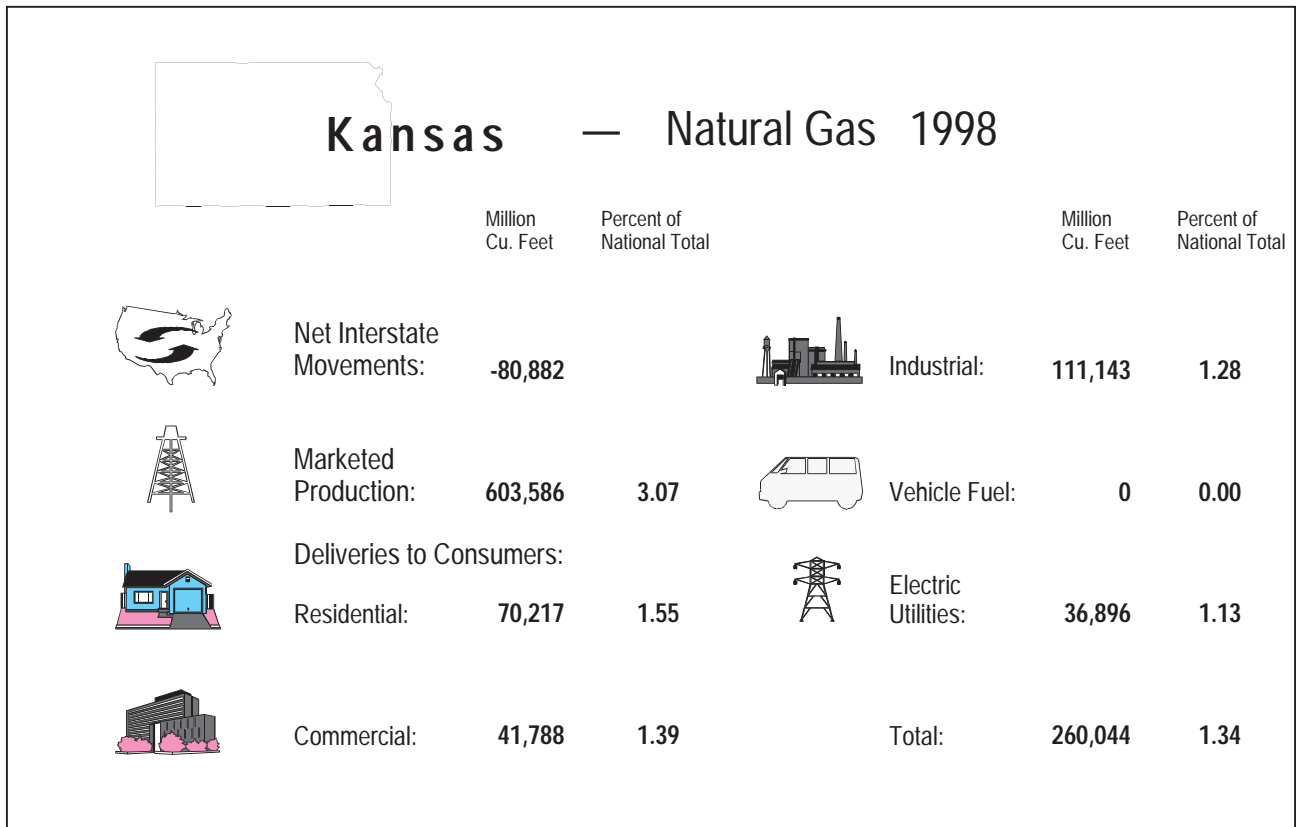


Table 63. Summary Statistics for Natural Gas — Kansas, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	9,156	8,571	7,694	6,989	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	19,365	22,020	21,388	21,500	21,000
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	628,900	636,582	629,755	618,016	532,594
From Oil Wells.....	85,759	86,807	85,876	71,037	72,626
Total.....	714,659	723,389	715,631	689,053	605,220
Repressuring	1,215	1,230	2,120	1,157	1,029
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	713,444	722,159	713,511	687,896	604,191
Vented and Flared.....	715	723	716	680	605
Marketed Production	712,730	721,436	712,796	687,215	603,586
Extraction Loss.....	46,936	47,442	47,996	38,224	45,801
Total Dry Production.....	665,794	673,994	664,800	648,991	557,785
Supply (million cubic feet)					
Dry Production.....	665,794	673,994	664,800	648,991	557,785
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,127,799	1,140,230	1,219,027	1,201,629	1,070,930
Withdrawals from Storage					
Underground Storage.....	99,851	110,567	116,989	103,475	98,402
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	20,703	8,173	-3,039	R-50,157	-144,189
Total Supply.....	1,914,147	1,932,964	1,997,776	R1,903,939	1,582,927

See footnotes at end of table.

Table 63. Summary Statistics for Natural Gas — Kansas, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	418,027	368,342	362,965	R339,197	313,880
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,390,051	1,458,930	1,529,940	1,449,894	1,151,812
Additions to Storage					
Underground Storage	106,069	105,693	104,871	114,848	117,235
LNG Storage	0	0	0	0	0
Total Disposition	1,914,147	1,932,964	1,997,776	R1,903,939	1,582,927
Consumption (million cubic feet)					
Lease Fuel	15,623	18,772	18,752	20,641	13
Pipeline Fuel	31,739	34,631	38,262	39,109	32,902
Plant Fuel	28,988	28,510	30,444	26,205	20,921
Delivered to Consumers					
Residential	74,156	75,846	85,376	69,415	70,217
Commercial	52,253	53,122	57,229	R41,482	41,788
Industrial	187,979	129,515	110,294	R116,522	111,143
Vehicle Fuel	10	2	2	1	0
Electric Utilities	27,279	27,945	22,607	25,822	36,896
Total Delivered to Consumers	341,677	286,430	275,508	R253,242	260,044
Total Consumption	418,027	368,342	362,965	R339,197	313,880
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	11,295	14,029	16,200	R12,331	12,757
Industrial	175,691	112,942	101,877	R105,838	100,205
Electric Utilities	14,617	16,872	12,545	16,887	27,329
Firm Deliveries (million cubic feet)					
Residential	74,156	75,846	85,376	69,415	70,217
Commercial	43,171	43,843	46,897	R31,529	30,606
Industrial	97,904	59,985	66,922	R54,081	60,550
Electric Utilities	11,213	11,311	8,128	10,001	14,303
Vehicle Fuel	10	1	1	1	0
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	9,082	9,279	10,333	9,953	11,182
Industrial	90,075	69,530	43,372	62,441	50,593
Electric Utilities	9,243	10,906	5,422	7,074	14,128
Vehicle Fuel	0	1	1	1	0
Number of Consumers					
Residential	773,357	797,524	804,213	811,975	841,843
Commercial	86,457	88,163	89,168	R85,018	89,654
Industrial	3,560	3,079	2,988	R7,015	10,707
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	96	95	106	85	83
Commercial	604	603	642	R488	466
Industrial	52,803	42,064	36,912	R16,610	10,380
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.60	1.36	1.92	2.05	1.70
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.20	1.15	1.83	1.81	1.39
City Gate	2.86	2.36	3.05	3.47	2.96
Delivered to Consumers					
Residential	5.11	4.91	5.59	6.42	6.00
Commercial	4.12	3.93	4.61	5.38	4.98
Industrial	2.75	2.23	3.09	3.32	3.17
Vehicle Fuel	3.18	2.76	3.06	3.70	5.59
Electric Utilities	1.89	1.58	2.25	2.53	2.14

R = Revised data.
 NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

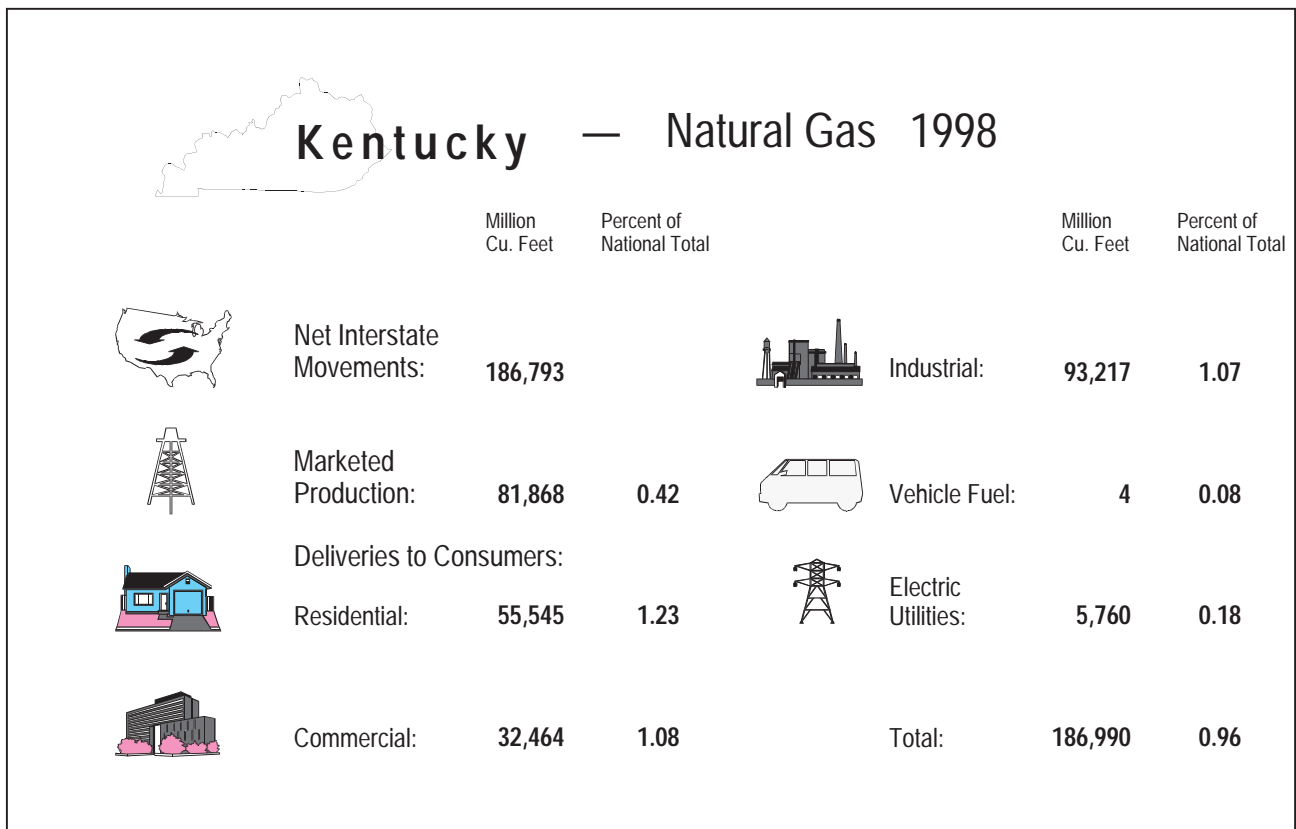


Table 64. Summary Statistics for Natural Gas — Kentucky, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	969	1,044	983	1,364	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	13,036	13,311	13,501	13,825	13,825
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	73,081	74,754	81,435	79,547	81,868
From Oil Wells.....	0	0	0	0	0
Total.....	73,081	74,754	81,435	79,547	81,868
Repressuring	*	*	0	0	0
Nonhydrocarbon Gases Removed.....	*	*	0	0	0
Wet After Lease Separation	73,081	74,754	81,435	79,547	81,868
Vented and Flared.....	*	*	0	0	0
Marketed Production	73,081	74,754	81,435	79,547	81,868
Extraction Loss.....	2,024	2,303	2,385	2,404	2,263
Total Dry Production.....	71,057	72,451	79,050	77,143	79,605
Supply (million cubic feet)					
Dry Production.....	71,057	72,451	79,050	77,143	79,605
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	3,663,838	3,689,277	3,956,093	3,576,553	3,062,969
Withdrawals from Storage					
Underground Storage.....	54,986	65,739	61,968	60,086	53,567
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	50	6	45	24	2
Balancing Item.....	56,159	-37,282	87,501	4,299	-49,634
Total Supply.....	3,846,090	3,790,191	4,184,657	3,718,105	3,146,508

See footnotes at end of table.

Table 64. Summary Statistics for Natural Gas — Kentucky, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	208,386	224,046	236,445	227,894	205,065
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	3,577,873	3,507,584	3,878,714	3,433,137	2,876,176
Additions to Storage					
Underground Storage	59,831	58,561	69,498	57,073	65,267
LNG Storage	0	0	0	0	0
Total Disposition	3,846,090	3,790,191	4,184,657	3,718,105	3,146,508
Consumption (million cubic feet)					
Lease Fuel	2,162	1,945	1,744	1,816	1,777
Pipeline Fuel	22,903	25,007	26,490	22,854	15,750
Plant Fuel	611	702	682	641	548
Delivered to Consumers					
Residential	62,533	66,149	70,232	66,033	55,545
Commercial	36,744	38,610	40,972	38,627	32,464
Industrial	83,081	90,764	94,481	95,724	93,217
Vehicle Fuel	2	2	8	5	4
Electric Utilities	350	866	1,836	2,194	5,760
Total Delivered to Consumers	182,710	196,392	207,529	202,583	186,990
Total Consumption	208,386	224,046	236,445	227,894	205,065
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	3,171	4,169	3,773	3,860	4,076
Industrial	57,149	65,659	68,850	77,303	76,644
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	62,451	66,062	70,229	66,033	55,545
Commercial	34,466	34,971	37,366	35,015	29,599
Industrial	44,181	49,189	56,509	55,068	69,594
Electric Utilities	267	493	648	797	1,023
Vehicle Fuel	2	2	8	5	4
Interruptible Deliveries (million cubic feet)					
Residential	82	87	4	0	0
Commercial	2,278	3,640	3,606	3,612	2,865
Industrial	38,900	41,575	37,972	40,656	23,623
Electric Utilities	3	25	12	3	136
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	668,774	685,481	696,989	713,509	726,960
Commercial	73,562	74,521	76,079	77,693	80,147
Industrial	1,621	1,630	1,633	1,698	1,864
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	94	96	101	93	76
Commercial	499	518	539	497	405
Industrial	51,253	55,683	57,857	56,375	50,009
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.24	1.64	2.55	2.66	2.39
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.95	1.83	2.63	2.51	2.45
City Gate	3.13	2.80	3.41	3.83	3.23
Delivered to Consumers					
Residential	5.46	5.05	5.54	6.37	6.03
Commercial	4.98	4.60	5.09	5.79	5.43
Industrial	3.64	3.26	3.87	4.19	4.00
Vehicle Fuel	4.62	5.10	5.54	6.68	6.75
Electric Utilities	2.93	3.01	3.49	3.45	3.40

NA = Not available.

— = Not applicable.

* = Volume is less than 500,000 cubic feet.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

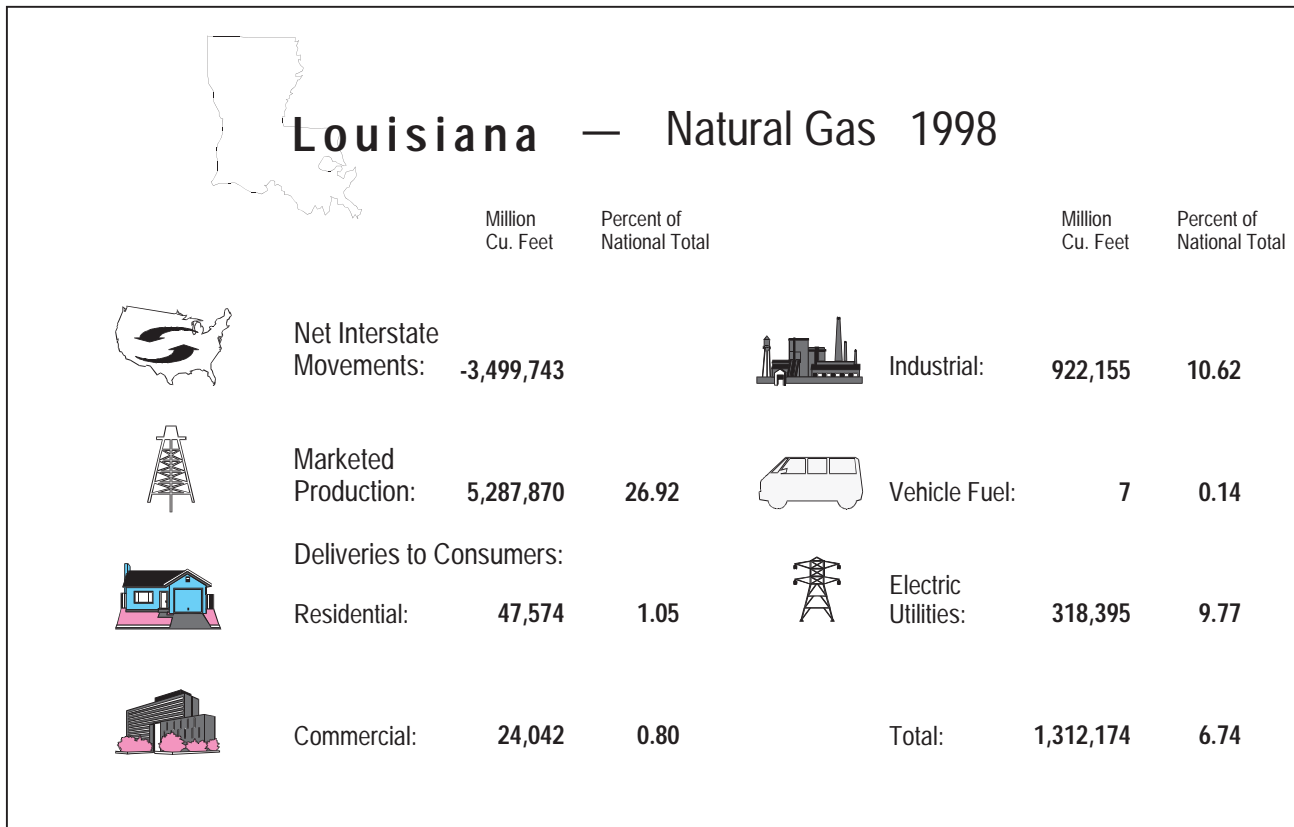


Table 65. Summary Statistics for Natural Gas — Louisiana, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31 ^a	30,583	30,666	9,543	9,673	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	12,958	14,169	15,295	14,958	18,399
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	4,527,042	4,481,388	^R 4,688,144	4,613,916	4,525,152
From Oil Wells.....	699,055	681,392	^R 663,252	685,040	824,209
Total.....	5,226,097	5,162,780	^R5,351,395	5,298,956	5,349,361
Repressuring	36,703	35,684	^R 39,949	47,207	41,948
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	5,189,394	5,127,096	^R 5,311,447	5,251,749	5,307,413
Vented and Flared.....	19,689	18,729	21,705	21,928	19,543
Marketed Production	5,169,705	5,108,366	^R 5,289,742	5,229,821	5,287,870
Extraction Loss.....	128,583	146,048	139,841	150,008	144,609
Total Dry Production.....	5,041,122	4,962,318	^R5,149,901	5,079,813	5,143,261
Supply (million cubic feet)					
Dry Production.....	5,041,122	4,962,318	^R 5,149,901	5,079,813	5,143,261
Receipts at State Borders					
Imports	17,887	5,149	7,042	30,596	42,922
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,844,714	2,164,567	2,373,002	2,106,229	1,672,280
Withdrawals from Storage					
Underground Storage.....	184,731	262,328	260,117	293,076	238,821
LNG Storage	18,252	4,723	7,056	28,245	16,515
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	409,022	86,580	^R 46,446	^R 241,462	22,174
Total Supply.....	7,515,728	7,485,667	7,843,563	^R7,779,421	7,135,972

See footnotes at end of table.

Table 65. Summary Statistics for Natural Gas — Louisiana, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	1,623,766	1,717,914	1,664,447	R ¹ 1,659,226	1,568,961
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	5,649,614	5,553,146	5,922,946	5,787,452	5,214,945
Additions to Storage					
Underground Storage	224,525	209,575	249,153	302,324	321,681
LNG Storage	17,823	5,032	7,016	30,419	30,385
Total Disposition	7,515,728	7,485,667	7,843,563	R⁷7,779,421	7,135,972
Consumption (million cubic feet)					
Lease Fuel	140,571	133,825	144,486	156,387	133,019
Pipeline Fuel	63,257	64,729	67,761	71,523	60,400
Plant Fuel	66,600	75,845	69,235	71,155	63,368
Delivered to Consumers					
Residential	52,981	52,603	56,626	52,709	47,574
Commercial	24,184	23,833	25,746	25,613	24,042
Industrial	999,034	1,044,136	1,048,432	1,004,383	922,155
Vehicle Fuel	22	21	23	16	7
Electric Utilities	277,116	322,923	252,139	R ² 277,438	318,395
Total Delivered to Consumers	1,353,337	1,443,515	1,382,966	R¹1,360,160	1,312,174
Total Consumption	1,623,766	1,717,914	1,664,447	R¹1,659,226	1,568,961
Delivered for the Account of Others (million cubic feet)					
Residential	0	3	9	9	7
Commercial	505	464	451	1,048	1,287
Industrial	759,747	733,133	942,276	903,298	836,843
Electric Utilities	174,324	239,903	202,033	186,028	232,644
Firm Deliveries (million cubic feet)					
Residential	52,689	52,603	56,626	52,709	47,574
Commercial	18,058	17,786	19,074	18,576	16,783
Industrial	592,738	754,940	760,019	576,270	597,729
Electric Utilities	87,013	144,622	97,584	124,653	151,343
Vehicle Fuel	22	21	23	16	7
Interruptible Deliveries (million cubic feet)					
Residential	292	0	0	0	0
Commercial	6,126	6,047	6,672	7,037	7,259
Industrial	406,296	289,196	288,413	428,113	324,426
Electric Utilities	121,083	162,808	127,265	77,548	102,274
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	945,387	957,558	945,967	962,786	962,436
Commercial	62,184	62,930	62,101	62,270	63,029
Industrial	1,737	1,383	1,444	1,430	1,404
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	56	55	60	55	49
Commercial	389	379	415	411	381
Industrial	575,149	754,979	726,061	702,366	656,806
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.08	1.58	2.33	2.36	2.00
Imports	1.71	1.85	2.22	2.63	2.67
Exports	—	—	—	—	—
Pipeline Fuel	1.44	1.61	2.58	2.59	2.22
City Gate	2.54	2.21	3.13	3.04	2.33
Delivered to Consumers					
Residential	6.24	6.01	6.76	7.16	6.68
Commercial	5.42	5.15	6.09	6.22	5.64
Industrial	2.17	1.82	2.84	2.87	2.31
Vehicle Fuel	2.36	2.99	3.53	5.57	4.75
Electric Utilities	2.17	1.88	2.94	2.79	2.37

R = Revised data.

a Includes Federal Offshore from Alabama.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quan-

tity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

		Maine		— Natural Gas 1998			
		Million Cu. Feet	Percent of National Total	Million Cu. Feet	Percent of National Total		
	Net Interstate Movements:	5,734			Industrial:	2,297	0.03
	Marketed Production:	0	0.00		Vehicle Fuel:	0	0.00
Deliveries to Consumers:							
	Residential:	910	0.02		Electric Utilities:	0	0.00
	Commercial:	2,456	0.08		Total:	5,663	0.03

Table 66. Summary Statistics for Natural Gas — Maine, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	4,928	5,533	5,907	6,444	5,734
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	22	16	22	13	44
Supplemental Gas Supplies.....	0	96	61	31	24
Balancing Item.....	131	-196	-241	-231	-78
Total Supply	5,082	5,448	5,749	6,258	5,724

See footnotes at end of table.

Table 66. Summary Statistics for Natural Gas — Maine, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	5,055	5,429	5,722	6,247	5,663
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	0	0	0	0	0
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	27	19	26	11	61
Total Disposition	5,082	5,448	5,749	6,258	5,724
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	9	96	0	0	0
Plant Fuel.....	0	0	0	0	0
Delivered to Consumers					
Residential.....	894	913	967	1,009	910
Commercial	2,381	2,426	2,566	2,713	2,456
Industrial.....	1,771	1,993	2,190	2,525	2,297
Vehicle Fuel.....	0	0	0	0	0
Electric Utilities.....	0	0	0	0	0
Total Delivered to Consumers	5,045	5,333	5,722	6,247	5,663
Total Consumption.....	5,055	5,429	5,722	6,247	5,663
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial.....	0	0	197	218	288
Electric Utilities.....	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential.....	894	913	967	1,009	910
Commercial	2,381	2,426	2,566	2,713	2,456
Industrial.....	1,166	1,343	1,650	1,835	1,812
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial.....	604	650	539	690	485
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	14,104	14,917	14,982	15,221	15,646
Commercial	5,297	5,819	6,414	6,606	6,662
Industrial.....	89	74	87	81	110
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	63	61	65	66	58
Commercial	449	417	400	411	369
Industrial.....	19,895	26,936	25,170	31,172	20,883
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	3.50	5.50	—	—	—
City Gate	2.98	3.35	4.30	3.84	3.43
Delivered to Consumers					
Residential.....	7.83	7.32	7.84	8.47	8.09
Commercial	6.97	6.51	7.09	7.70	7.23
Industrial.....	4.79	4.46	5.22	5.55	5.13
Vehicle Fuel.....	—	—	—	—	—
Electric Utilities.....	—	—	—	—	—

NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

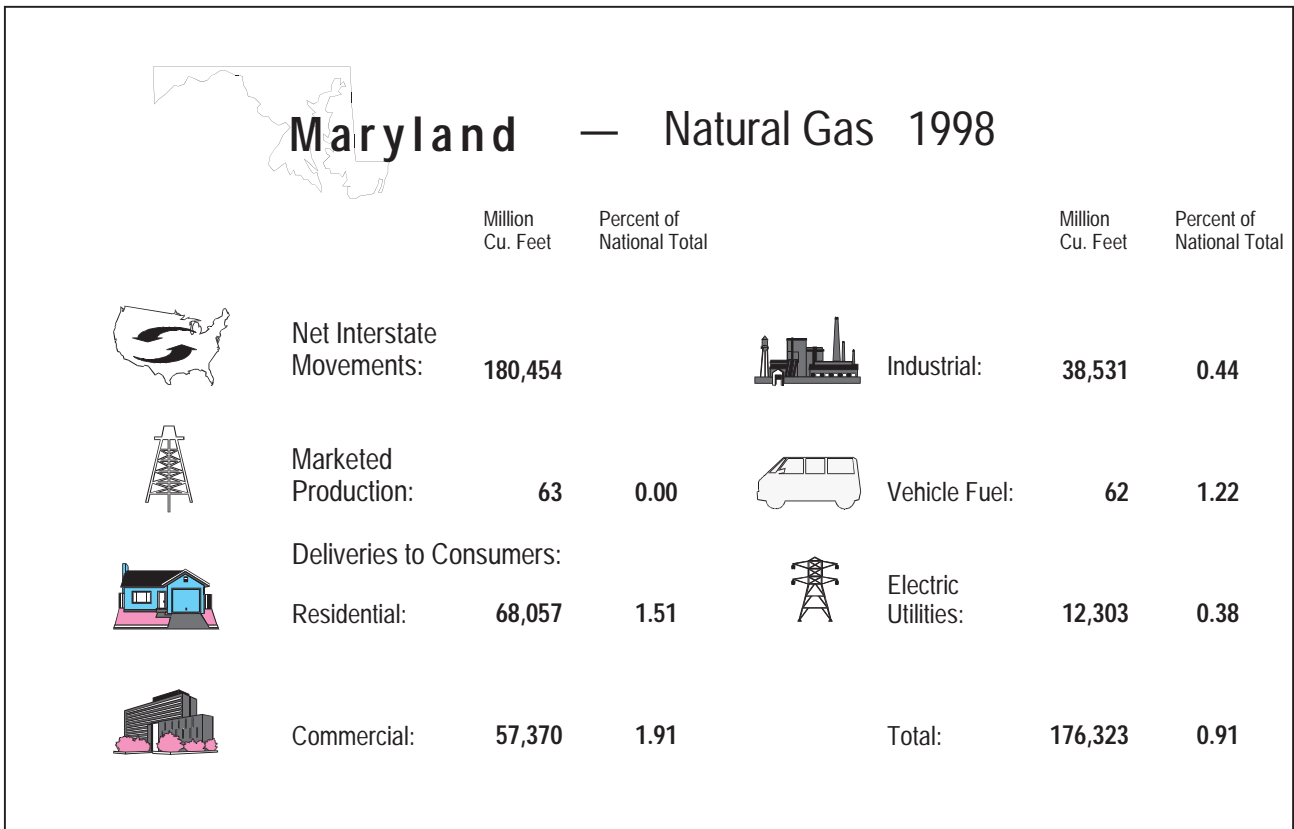


Table 67. Summary Statistics for Natural Gas — Maryland, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	NA	NA	NA	NA	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	7	7	8	8	8
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	26	22	135	118	63
From Oil Wells.....	0	0	0	0	0
Total	26	22	135	118	63
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	26	22	135	118	63
Vented and Flared.....	0	0	0	0	0
Marketed Production	26	22	135	118	63
Extraction Loss.....	0	0	0	0	0
Total Dry Production	26	22	135	118	63
Supply (million cubic feet)					
Dry Production.....	26	22	135	118	63
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	883,179	864,322	882,473	932,773	894,531
Withdrawals from Storage					
Underground Storage.....	17,406	19,658	17,472	14,966	13,751
LNG Storage	529	540	691	252	29
Supplemental Gas Supplies.....	987	609	882	178	80
Balancing Item.....	-45,552	-21,359	-14,538	R-42,875	357
Total Supply	856,574	863,793	887,114	R905,412	908,811

See footnotes at end of table.

Table 67. Summary Statistics for Natural Gas — Maryland, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	183,734	194,099	192,528	R ^{207,447}	179,293
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	656,585	652,253	672,257	681,017	714,077
Additions to Storage					
Underground Storage	15,316	15,610	17,448	15,510	14,627
LNG Storage	939	1,831	4,881	1,439	813
Total Disposition	856,574	863,793	887,114	R^{905,412}	908,811
Consumption (million cubic feet)					
Lease Fuel	1	1	3	3	1
Pipeline Fuel	2,475	2,826	2,624	3,124	2,968
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	76,688	76,552	85,533	77,500	68,057
Commercial	44,136	46,874	45,842	49,802	57,370
Industrial	47,691	48,963	50,022	65,954	38,531
Vehicle Fuel	25	50	49	57	62
Electric Utilities	12,718	18,833	8,455	R ^{11,007}	12,303
Total Delivered to Consumers	181,259	191,272	189,901	R^{204,319}	176,323
Total Consumption	183,734	194,099	192,528	R^{207,447}	179,293
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	1,338	2,503	7,920
Commercial	1,291	1,469	3,734	16,394	36,375
Industrial	39,697	42,475	44,186	61,067	35,842
Electric Utilities	4,186	6,489	9,518	10,873	7,934
Firm Deliveries (million cubic feet)					
Residential	76,688	76,552	84,201	77,500	68,057
Commercial	36,183	37,079	36,098	31,319	28,728
Industrial	11,836	10,189	17,777	19,245	17,180
Electric Utilities	2,977	4,469	8,228	2,657	2,348
Vehicle Fuel	25	38	34	33	27
Interruptible Deliveries (million cubic feet)					
Residential	0	0	1,332	0	0
Commercial	7,953	9,795	9,744	18,482	28,641
Industrial	35,856	38,773	32,245	46,709	21,352
Electric Utilities	9,910	12,129	1,496	8,254	5,591
Vehicle Fuel	0	12	15	24	35
Number of Consumers					
Residential	824,137	841,772	871,012	890,195	901,455
Commercial	64,698	66,094	69,991	69,056	67,850
Industrial	516	481	430	479	1,472
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	93	91	98	87	75
Commercial	682	709	655	721	846
Industrial	92,425	101,794	116,331	137,690	26,176
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.37	1.42	—	2.23	2.60
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.01	1.81	2.48	2.98	2.41
City Gate	3.38	2.87	4.02	4.02	4.12
Delivered to Consumers					
Residential	6.95	6.62	7.60	8.36	8.29
Commercial	5.46	5.06	6.08	6.53	6.65
Industrial	4.04	3.21	5.36	3.25	5.26
Vehicle Fuel	3.76	3.06	3.82	3.58	3.09
Electric Utilities	2.57	2.24	3.11	2.97	2.75

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

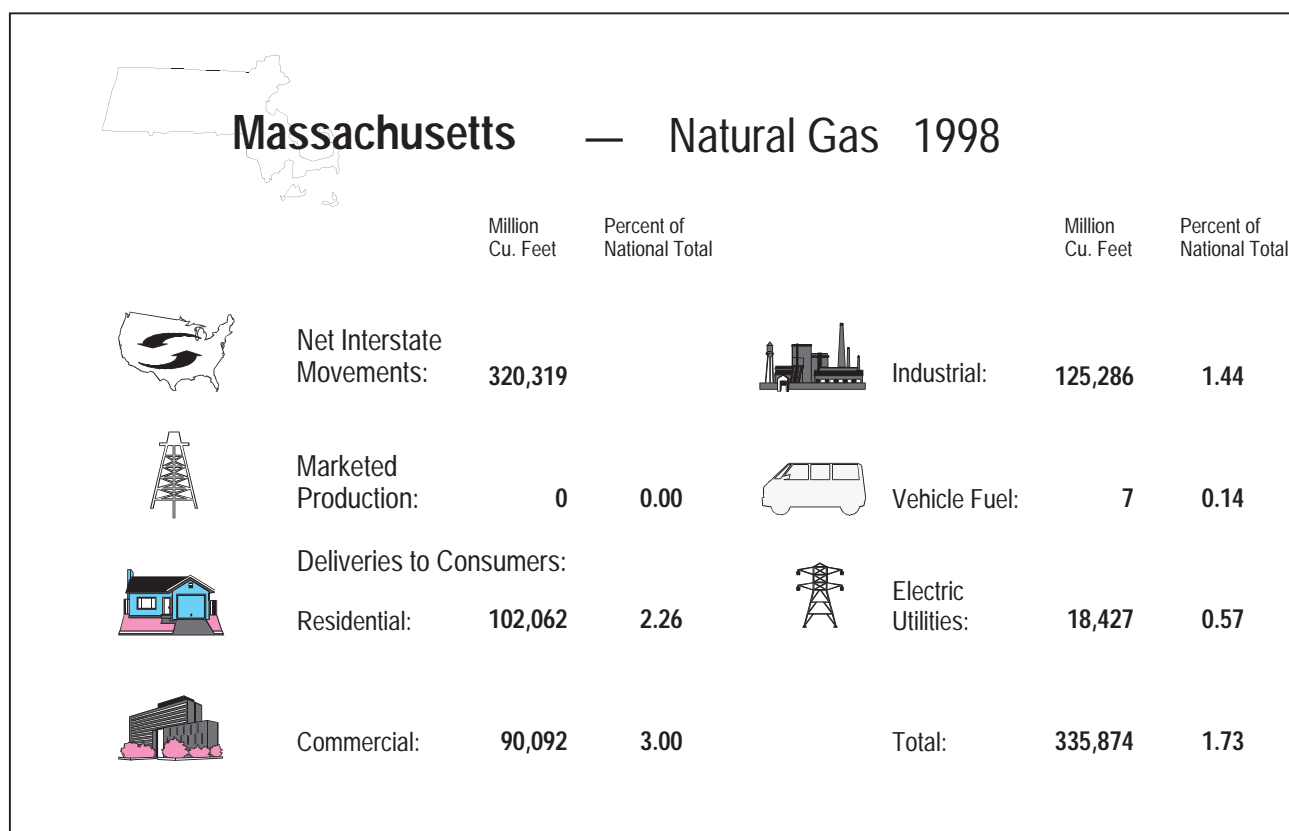


Table 68. Summary Statistics for Natural Gas — Massachusetts, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	32,891	12,769	33,232	47,183	42,531
Intransit Receipts	0	0	0	0	0
Interstate Receipts	292,161	541,527	462,643	387,349	350,148
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	12,369	9,033	11,471	8,565	9,955
Supplemental Gas Supplies.....	154	420	426	147	68
Balancing Item.....	53,622	-96,577	-60,001	R13,630	10,148
Total Supply.....	391,198	467,172	447,771	R456,874	412,850

See footnotes at end of table.

Table 68. Summary Statistics for Natural Gas — Massachusetts, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	337,368	362,301	357,740	^R 380,267	337,778
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	48,281	98,974	83,924	71,558	72,360
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	5,550	5,898	6,107	5,049	2,712
Total Disposition	391,198	467,172	447,771	^R456,874	412,850
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	1,817	1,872	2,131	2,356	1,903
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	119,642	105,795	114,365	112,308	102,062
Commercial	84,534	82,270	96,187	105,813	90,092
Industrial	92,798	107,730	100,015	108,295	125,286
Vehicle Fuel	9	12	5	5	7
Electric Utilities	38,567	64,623	45,037	^R 51,490	18,427
Total Delivered to Consumers	335,551	360,429	355,609	^R377,911	335,874
Total Consumption	337,368	362,301	357,740	^R380,267	337,778
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	103	1,038	1,986
Commercial	20,132	12,453	24,311	39,539	37,931
Industrial	67,072	73,793	74,115	86,377	108,741
Electric Utilities	29,992	50,087	39,460	44,658	13,914
Firm Deliveries (million cubic feet)					
Residential	119,642	105,795	114,365	112,308	102,062
Commercial	60,879	70,872	74,480	74,822	63,594
Industrial	67,512	75,876	71,575	77,970	97,958
Electric Utilities	21,361	32,812	39,411	43,215	6,645
Vehicle Fuel	8	10	1	1	1
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	23,656	11,397	21,707	30,991	26,498
Industrial	25,286	31,854	28,440	30,325	27,328
Electric Utilities	19,983	33,541	6,345	10,476	11,783
Vehicle Fuel	1	2	4	4	6
Number of Consumers					
Residential	1,179,869	1,180,860	1,188,317	1,204,494	1,212,486
Commercial	92,744	104,453	105,889	107,926	108,832
Industrial	8,019	10,447	10,952	11,063	11,255
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	101	90	96	93	84
Commercial	911	788	908	980	828
Industrial	11,572	10,312	9,132	9,789	11,132
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	2.59	2.48	2.92	2.81	2.59
Exports	—	—	—	—	—
Pipeline Fuel	2.13	2.00	2.74	2.67	2.27
City Gate	3.98	3.53	3.98	3.85	4.01
Delivered to Consumers					
Residential	8.94	9.04	8.88	9.43	9.42
Commercial	6.82	6.59	6.74	7.34	7.32
Industrial	5.25	4.43	5.37	5.78	5.69
Vehicle Fuel	2.32	4.22	4.51	3.70	2.41
Electric Utilities	2.32	2.06	3.07	3.11	2.78

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

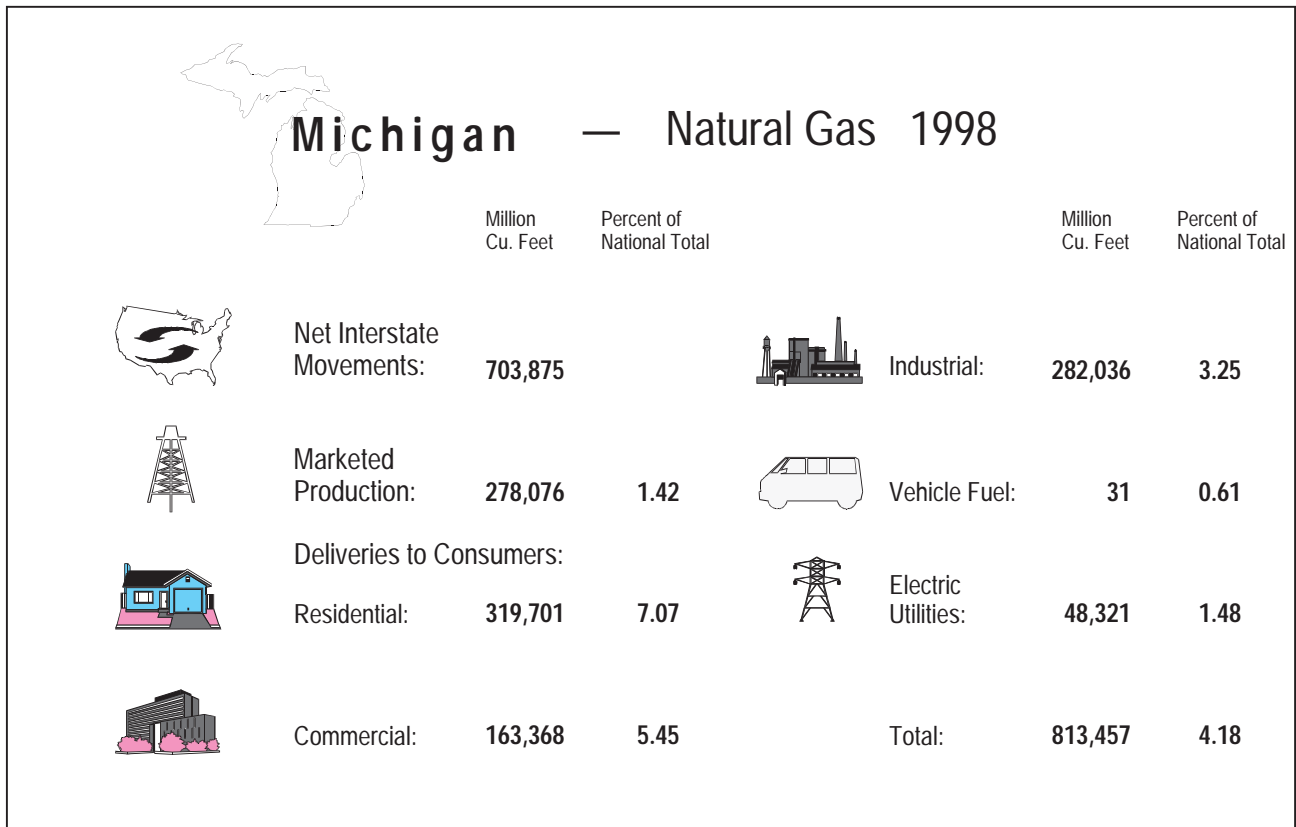


Table 69. Summary Statistics for Natural Gas — Michigan, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,323	1,294	2,061	2,195	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	6,000	5,258	5,826	6,825	7,000
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	136,989	146,320	201,123	249,291	226,992
From Oil Wells.....	91,332	97,547	50,281	62,323	56,748
Total.....	228,321	243,867	251,404	311,614	283,740
Repressuring	2,340	2,340	2,340	2,340	2,340
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	225,981	241,527	249,064	309,274	281,400
Vented and Flared.....	3,324	3,324	3,324	3,324	3,324
Marketed Production	222,657	238,203	245,740	305,950	278,076
Extraction Loss.....	6,371	6,328	6,399	6,147	5,938
Total Dry Production.....	216,286	231,875	239,341	299,803	272,138
Supply (million cubic feet)					
Dry Production.....	216,286	231,875	239,341	299,803	272,138
Receipts at State Borders					
Imports	17,320	26,475	29,043	23,356	47,343
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,495,917	1,355,745	1,516,628	1,452,628	1,306,417
Withdrawals from Storage					
Underground Storage.....	389,224	494,531	471,467	421,264	316,201
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	13,688	21,378	21,848	22,238	21,967
Balancing Item.....	-214,223	-66,012	-33,618	R-95,527	-79,717
Total Supply.....	1,918,212	2,063,992	2,244,709	R2,123,762	1,884,349

See footnotes at end of table.

Table 69. Summary Statistics for Natural Gas — Michigan, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	926,023	970,851	1,014,947	^R 979,717	843,423
Deliveries at State Borders					
Exports	49,470	26,948	50,363	56,447	39,683
Intransit Deliveries.....	472,499	492,481	536,333	516,620	459,461
Interstate Deliveries	0	196,589	139,929	146,328	150,741
Additions to Storage					
Underground Storage.....	470,220	377,121	503,138	424,651	391,041
LNG Storage	0	0	0	0	0
Total Disposition	1,918,212	2,063,992	2,244,709	^R2,123,762	1,884,349
Consumption (million cubic feet)					
Lease Fuel.....	6,399	6,198	5,478	9,386	6,160
Pipeline Fuel.....	22,521	24,851	25,903	23,776	20,733
Plant Fuel.....	3,367	3,337	3,011	2,674	3,073
Delivered to Consumers					
Residential.....	364,588	380,025	399,522	379,838	319,701
Commercial	183,068	194,078	201,390	192,258	163,368
Industrial.....	327,848	326,551	347,043	338,456	282,036
Vehicle Fuel.....	14	27	40	42	31
Electric Utilities	18,218	35,784	32,559	^R 33,287	48,321
Total Delivered to Consumers	893,735	936,466	980,555	^R943,881	813,457
Total Consumption.....	926,023	970,851	1,014,947	^R979,717	843,423
Delivered for the Account of Others (million cubic feet)					
Residential.....	4,245	4,184	4,309	4,353	3,909
Commercial	62,825	65,266	66,621	69,739	65,843
Industrial.....	292,945	296,745	315,568	308,012	258,838
Electric Utilities	17,820	28,369	26,067	25,961	45,401
Firm Deliveries (million cubic feet)					
Residential.....	364,588	380,025	399,522	379,838	319,701
Commercial	182,234	193,170	200,521	192,218	163,333
Industrial.....	294,701	311,742	335,074	337,318	280,976
Electric Utilities.....	18,019	28,494	26,385	26,493	46,720
Vehicle Fuel.....	14	27	40	42	31
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	834	908	870	40	35
Industrial.....	33,148	14,809	11,969	1,139	1,060
Electric Utilities.....	199	476	66	45	59
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	2,717,683	2,767,190	2,812,876	2,859,483	2,903,698
Commercial	207,629	211,817	214,843	^R 222,726	224,506
Industrial.....	11,308	11,454	11,848	12,236	11,891
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	134	137	142	133	110
Commercial	882	916	937	^R 863	728
Industrial.....	28,993	28,510	29,291	27,661	23,718
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.96	1.67	2.21	2.19	1.77
Imports	2.16	1.90	2.89	2.84	2.15
Exports	2.49	1.97	2.66	2.52	2.25
Pipeline Fuel.....	0.20	0.54	1.04	0.95	0.69
City Gate	2.70	2.61	2.90	2.99	2.80
Delivered to Consumers					
Residential.....	4.98	4.72	4.96	5.20	5.17
Commercial	4.68	4.46	4.75	5.00	4.90
Industrial.....	3.93	3.62	3.87	4.02	3.91
Vehicle Fuel.....	2.84	3.08	3.38	4.01	3.51
Electric Utilities	0.97	0.73	0.74	0.79	1.24

^R = Revised data.

NA = Not available.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

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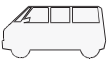



 Minnesota — Natural Gas 1998		Million Cu. Feet	Percent of National Total	Million Cu. Feet	Percent of National Total
	Net Interstate Movements:	330,620			Industrial: 104,610 1.20
	Marketed Production:	0	0.00		Vehicle Fuel: 32 0.63
Deliveries to Consumers:					
	Residential:	110,449	2.44		Electric Utilities: 7,738 0.24
	Commercial:	82,345	2.75		Total: 305,174 1.57

Table 70. Summary Statistics for Natural Gas — Minnesota, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	387,466	406,883	401,473	402,706	475,152
Intransit Receipts	487,760	492,481	536,333	548,000	481,581
Interstate Receipts	814,096	863,304	892,727	849,959	791,117
Withdrawals from Storage					
Underground Storage.....	1,192	1,582	1,625	1,044	1,663
LNG Storage	5,537	4,731	5,861	1,715	1,269
Supplemental Gas Supplies.....	289	194	709	172	50
Balancing Item.....	12,630	23,255	-16,814	R-17,104	-5,808
Total Supply.....	1,708,970	1,792,431	1,821,914	R1,786,491	1,745,023

See footnotes at end of table.

Table 70. Summary Statistics for Natural Gas — Minnesota, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	323,815	353,076	368,426	R354,081	325,269
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,377,432	1,434,132	1,443,843	1,429,306	1,417,230
Additions to Storage					
Underground Storage	1,556	1,478	1,655	1,417	1,291
LNG Storage	6,167	3,746	7,990	1,686	1,233
Total Disposition	1,708,970	1,792,431	1,821,914	R1,786,491	1,745,023
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	17,310	19,175	19,755	19,509	20,095
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	122,249	128,736	142,319	128,873	110,449
Commercial	83,933	90,658	98,537	92,232	82,345
Industrial	94,468	106,189	102,471	107,338	104,610
Vehicle Fuel	29	26	43	31	32
Electric Utilities	5,826	8,292	5,301	R6,098	7,738
Total Delivered to Consumers	306,505	333,900	348,671	R334,572	305,174
Total Consumption	323,815	353,076	368,426	R354,081	325,269
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	3,336	5,696	3,768	1,077	1,954
Industrial	53,928	69,467	60,195	63,995	63,114
Electric Utilities	906	734	0	0	0
Firm Deliveries (million cubic feet)					
Residential	122,249	128,614	142,228	128,806	110,391
Commercial	62,668	65,910	72,740	64,568	55,544
Industrial	57,965	45,815	45,226	46,258	53,618
Electric Utilities	1,701	2,285	2,097	2,145	3,688
Vehicle Fuel	29	26	5	8	3
Interruptible Deliveries (million cubic feet)					
Residential	0	122	91	66	58
Commercial	21,265	24,748	25,797	27,664	26,801
Industrial	36,503	60,374	57,246	61,080	50,993
Electric Utilities	2,296	2,337	1,455	1,972	1,865
Vehicle Fuel	0	0	38	23	29
Number of Consumers					
Residential	1,049,263	1,080,009	1,103,709	1,134,019	1,161,423
Commercial	102,857	103,874	105,531	108,686	110,986
Industrial	2,592	2,531	2,564	2,245	2,188
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	117	119	129	114	95
Commercial	816	873	934	849	742
Industrial	36,446	41,955	39,965	47,812	47,811
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	2.06	1.81	2.38	2.45	2.07
Exports	—	—	—	—	—
Pipeline Fuel	0.47	0.37	0.68	0.63	0.54
City Gate	2.85	2.52	3.07	3.67	2.98
Delivered to Consumers					
Residential	5.18	4.80	5.46	5.76	5.48
Commercial	4.36	3.98	4.63	4.80	4.39
Industrial	2.87	2.45	2.97	3.28	2.88
Vehicle Fuel	1.90	1.82	3.42	3.50	2.40
Electric Utilities	2.14	1.77	2.18	2.44	2.36

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

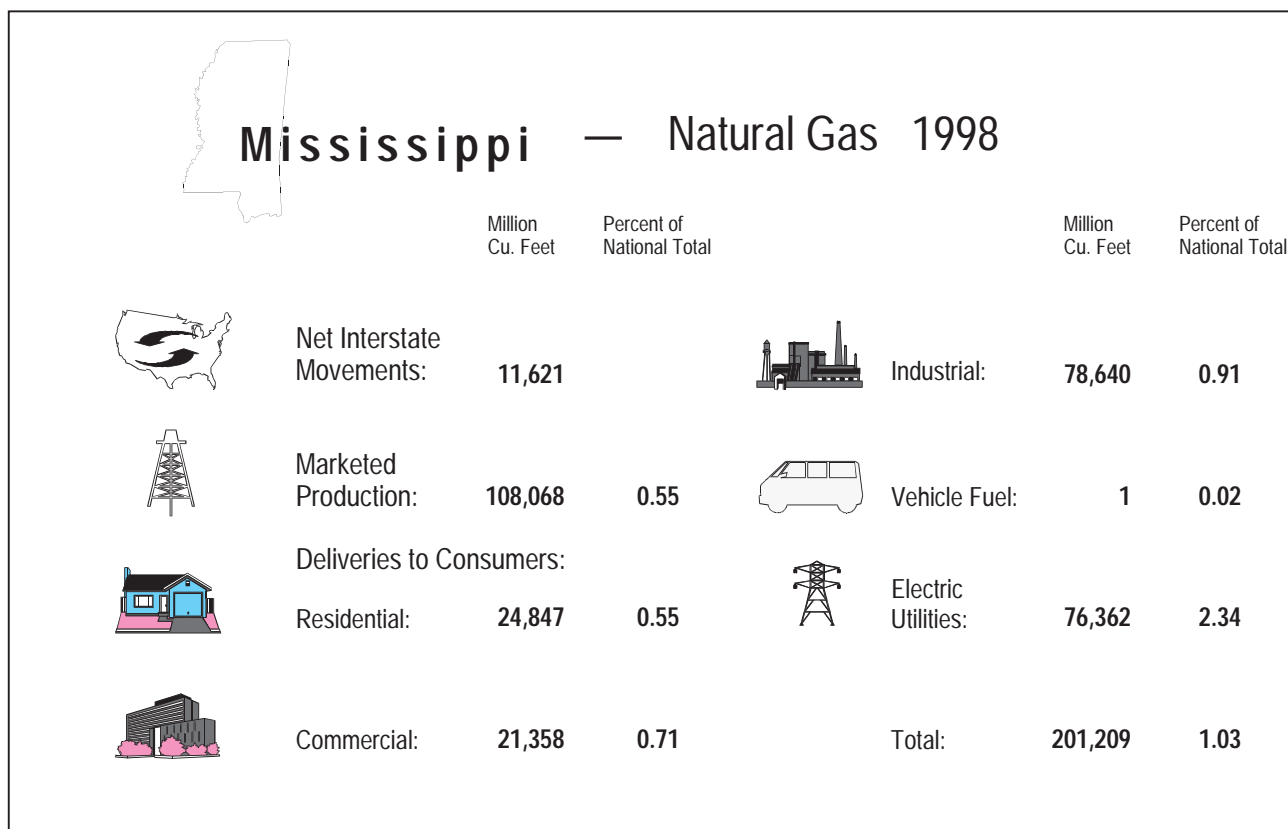


Table 71. Summary Statistics for Natural Gas — Mississippi, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	650	663	631	582	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	583	535	568	560	527
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	112,205	113,401	117,412	119,347	120,588
From Oil Wells.....	9,597	6,051	6,210	7,276	8,628
Total.....	121,802	119,452	123,622	126,623	129,216
Repressuring	12,083	11,321	9,366	8,414	9,830
Nonhydrocarbon Gases Removed.....	44,344	10,364	8,316	8,166	8,520
Wet After Lease Separation	65,376	97,767	105,940	110,042	110,866
Vented and Flared.....	1,928	2,234	2,677	2,742	2,798
Marketed Production	63,448	95,533	103,263	107,300	108,068
Extraction Loss.....	425	377	340	300	495
Total Dry Production.....	63,023	95,156	102,923	107,000	107,573
Supply (million cubic feet)					
Dry Production.....	63,023	95,156	102,923	107,000	107,573
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	5,660,877	5,623,521	5,880,172	5,701,467	5,098,105
Withdrawals from Storage					
Underground Storage.....	50,526	82,604	75,926	66,979	59,083
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	41,449	394,349	372,489	R103,808	132,238
Total Supply.....	5,815,874	6,195,630	6,431,510	R5,979,254	5,396,999

See footnotes at end of table.

Table 71. Summary Statistics for Natural Gas — Mississippi, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	257,647	288,067	269,296	R255,380	241,248
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	5,493,256	5,832,741	6,073,530	5,660,658	5,086,484
Additions to Storage					
Underground Storage.....	64,972	74,821	88,684	63,216	69,268
LNG Storage	0	0	0	0	0
Total Disposition	5,815,874	6,195,630	6,431,510	R5,979,254	5,396,999
Consumption (million cubic feet)					
Lease Fuel.....	3,169	3,108	3,202	3,280	3,347
Pipeline Fuel.....	39,162	41,674	49,188	44,979	36,329
Plant Fuel	463	399	382	372	363
Delivered to Consumers					
Residential.....	27,086	26,960	30,157	27,626	24,847
Commercial	19,232	19,904	22,225	22,070	21,358
Industrial.....	85,984	84,526	80,887	83,967	78,640
Vehicle Fuel.....	9	267	5	3	1
Electric Utilities	82,541	111,229	83,251	R73,083	76,362
Total Delivered to Consumers	214,852	242,887	216,524	R206,749	201,209
Total Consumption.....	257,647	288,067	269,296	R255,380	241,248
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	647	615	585	1,148	1,101
Industrial.....	48,154	48,691	47,133	50,692	49,109
Electric Utilities	31,927	40,663	57,417	58,577	70,819
Firm Deliveries (million cubic feet)					
Residential.....	27,086	26,960	30,157	27,626	24,847
Commercial	17,748	18,361	20,708	20,225	19,554
Industrial.....	48,202	47,753	43,165	47,432	50,138
Electric Utilities	1,701	3,847	2,979	15,449	42,764
Vehicle Fuel.....	0	267	0	0	1
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	1,484	1,543	1,516	1,845	1,805
Industrial.....	37,783	36,773	37,722	36,535	28,502
Electric Utilities	31,943	37,356	55,109	43,555	28,796
Vehicle Fuel.....	9	0	5	3	0
Number of Consumers					
Residential.....	405,312	415,123	418,442	423,397	415,673
Commercial	43,803	45,444	46,029	47,311	45,345
Industrial.....	1,313	1,298	1,241	1,199	1,165
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	67	65	72	65	60
Commercial	439	438	483	466	471
Industrial.....	65,487	65,120	65,178	70,031	67,502
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.49	1.24	1.66	1.73	1.42
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	1.98	1.82	2.63	2.62	2.33
City Gate	2.83	2.53	3.27	3.39	3.00
Delivered to Consumers					
Residential.....	5.46	5.28	5.72	6.35	6.08
Commercial	4.56	4.28	5.22	5.26	4.74
Industrial.....	2.98	2.71	3.43	3.55	3.22
Vehicle Fuel.....	2.82	1.63	2.51	2.76	2.79
Electric Utilities	1.98	1.78	2.78	2.72	2.31

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

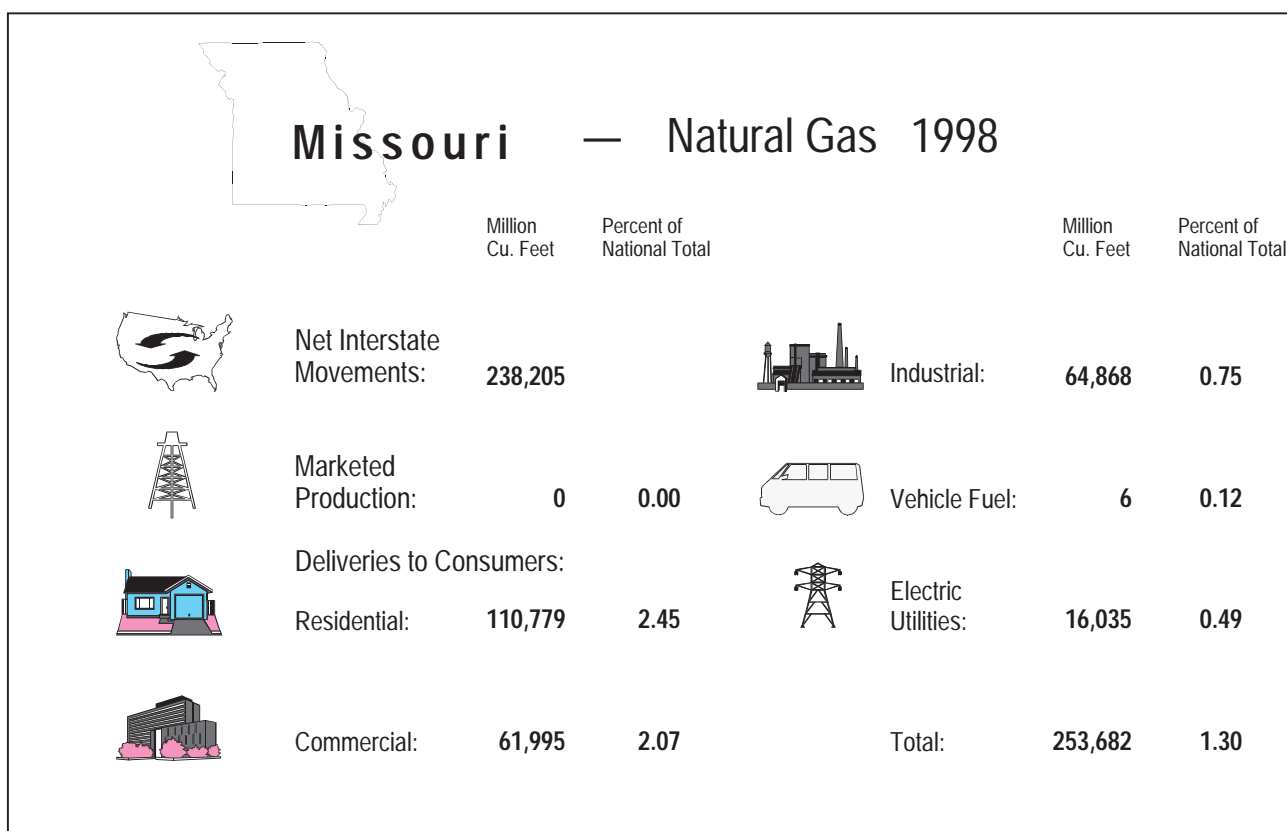


Table 72. Summary Statistics for Natural Gas — Missouri, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	NA	NA	NA	NA	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	12	15	24	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	8	16	25	5	0
From Oil Wells.....	0	0	0	0	0
Total.....	8	16	25	5	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	8	16	25	5	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	8	16	25	5	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	8	16	25	5	0
Supply (million cubic feet)					
Dry Production.....	8	16	25	5	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,442,661	1,544,992	1,556,791	1,508,139	1,290,478
Withdrawals from Storage					
Underground Storage.....	5,082	2,580	6,522	4,629	2,843
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	371	4	785	719	40
Balancing Item.....	21,145	8,664	7,022	R9,646	20,759
Total Supply.....	1,469,266	1,556,256	1,571,146	R1,523,137	1,314,120

See footnotes at end of table.

Table 72. Summary Statistics for Natural Gas — Missouri, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	267,594	279,078	294,270	R283,580	259,177
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,196,675	1,274,401	1,270,306	1,234,476	1,052,273
Additions to Storage					
Underground Storage	4,997	2,777	6,570	5,081	2,670
LNG Storage	0	0	0	0	0
Total Disposition	1,469,266	1,556,256	1,571,146	R1,523,137	1,314,120
Consumption (million cubic feet)					
Lease Fuel	0	*	1	0	0
Pipeline Fuel	2,879	7,122	7,455	7,456	5,495
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	122,566	125,110	137,225	127,625	110,779
Commercial	66,196	65,086	72,802	69,829	61,995
Industrial	71,602	68,924	71,533	71,164	64,868
Vehicle Fuel	1	6	31	40	6
Electric Utilities	4,351	12,830	5,223	R7,465	16,035
Total Delivered to Consumers	264,715	271,956	286,814	R276,124	253,682
Total Consumption	267,594	279,078	294,270	R283,580	259,177
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	11,072	10,880	12,988	14,059	13,463
Industrial	56,873	53,484	53,656	55,638	52,757
Electric Utilities	1,246	5,794	1,848	5,132	10,779
Firm Deliveries (million cubic feet)					
Residential	122,566	125,110	137,225	127,625	110,779
Commercial	63,080	63,237	70,861	67,793	59,748
Industrial	57,967	59,542	62,930	62,257	55,660
Electric Utilities	1,243	5,826	1,879	5,161	10,793
Vehicle Fuel	1	6	31	40	6
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	3,116	1,849	1,941	2,036	2,247
Industrial	13,635	9,383	8,603	8,908	9,208
Electric Utilities	1,911	4,225	953	990	3,501
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	1,281,007	1,259,102	1,275,465	1,293,032	1,307,563
Commercial	132,378	130,318	133,445	135,553	135,417
Industrial	3,115	3,033	3,408	3,464	3,523
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	96	99	108	99	85
Commercial	500	499	546	515	458
Industrial	22,986	22,725	20,990	20,544	18,413
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.49	1.70	1.56	1.70	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	0.91	1.19	2.34	2.43	2.02
City Gate	3.05	2.73	3.25	3.75	3.33
Delivered to Consumers					
Residential	5.43	5.16	5.97	6.61	6.57
Commercial	4.85	4.39	5.35	5.88	5.69
Industrial	4.18	3.48	4.35	4.78	4.51
Vehicle Fuel	4.37	2.74	3.19	3.79	3.38
Electric Utilities	1.90	1.69	2.58	2.81	2.26

R = Revised data.

NA = Not available.

— = Not applicable.

* = Volume is less than 500,000 cubic feet.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quan-

ty and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

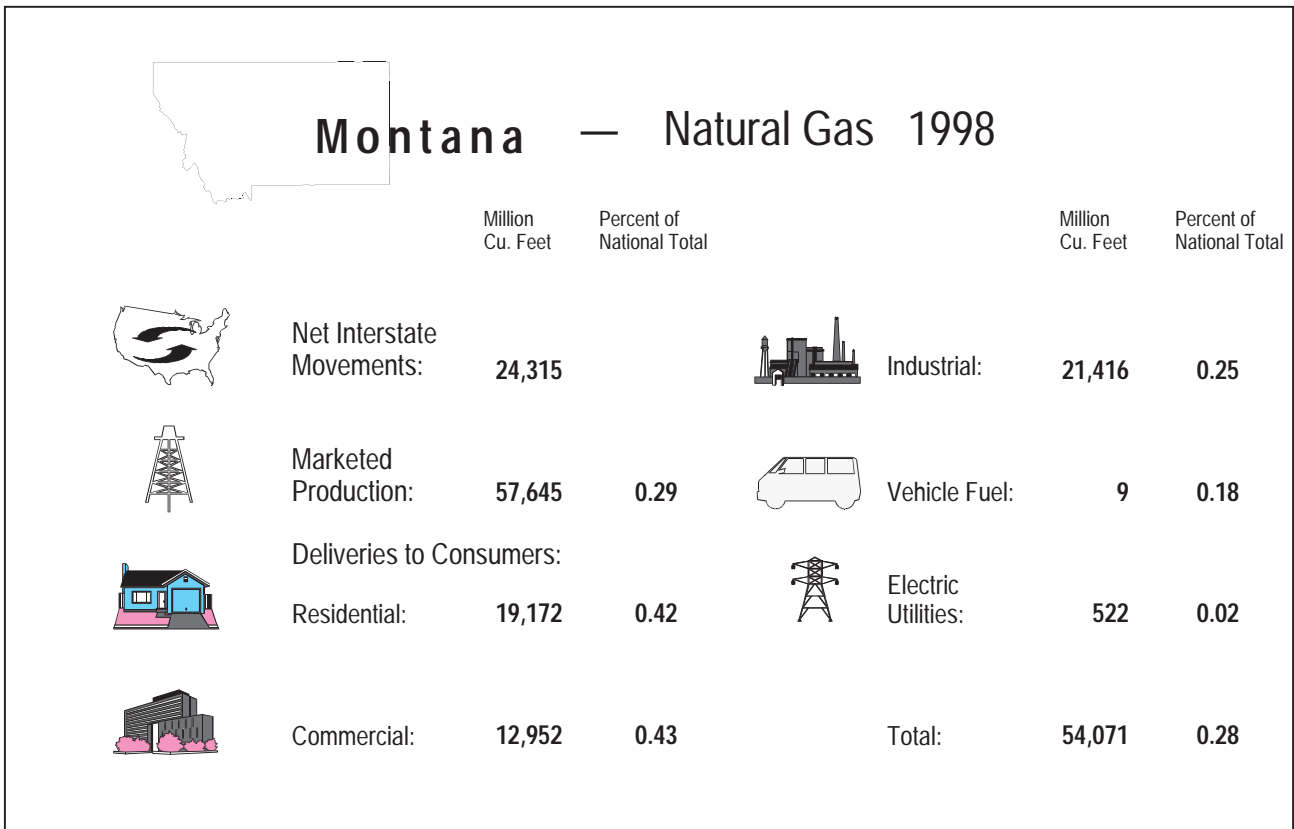


Table 73. Summary Statistics for Natural Gas — Montana, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	717	782	796	762	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	2,940	2,918	2,990	3,071	3,423
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	44,350	44,370	45,154	46,613	51,774
From Oil Wells.....	6,722	6,393	6,514	7,008	7,733
Total.....	51,072	50,763	51,668	53,621	59,506
Repressuring	105	82	76	64	68
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	518
Wet After Lease Separation	50,967	50,681	51,592	53,557	58,920
Vented and Flared.....	551	417	596	1,120	1,274
Marketed Production	50,416	50,264	50,996	52,437	57,645
Extraction Loss.....	631	597	576	409	410
Total Dry Production.....	49,785	49,667	50,420	52,028	57,235
Supply (million cubic feet)					
Dry Production.....	49,785	49,667	50,420	52,028	57,235
Receipts at State Borders					
Imports	535,855	570,396	576,511	572,977	580,548
Intransit Receipts	0	0	0	0	0
Interstate Receipts	20,408	20,207	27,448	19,054	16,410
Withdrawals from Storage					
Underground Storage.....	22,509	21,653	31,595	30,181	23,476
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-7,062	-16,190	-14,139	-8,272	-21,334
Total Supply.....	621,495	645,734	671,836	665,968	656,336

See footnotes at end of table.

Table 73. Summary Statistics for Natural Gas — Montana, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	52,058	57,827	61,399	59,827	59,817
Deliveries at State Borders					
Exports	3,087	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	551,660	569,852	590,475	587,923	572,643
Additions to Storage					
Underground Storage.....	14,690	18,054	19,871	18,219	23,876
LNG Storage	0	0	0	0	0
Total Disposition	621,495	645,734	671,746	665,968	656,336
Consumption (million cubic feet)					
Lease Fuel.....	2,037	2,070	2,233	2,089	1,792
Pipeline Fuel.....	3,542	3,929	3,414	3,436	3,746
Plant Fuel	206	168	168	188	208
Delivered to Consumers					
Residential.....	18,714	19,640	22,175	21,002	19,172
Commercial	12,981	13,489	14,823	13,911	12,952
Industrial.....	13,940	18,135	18,103	18,766	21,416
Vehicle Fuel.....	6	8	13	16	9
Electric Utilities	632	388	470	420	522
Total Delivered to Consumers	46,274	51,660	55,584	54,114	54,071
Total Consumption.....	52,058	57,827	61,399	59,827	59,817
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	218	0	0	0
Commercial	1,070	1,131	1,247	1,181	2,957
Industrial.....	13,395	17,565	17,483	18,193	21,103
Electric Utilities	139	250	301	304	361
Firm Deliveries (million cubic feet)					
Residential.....	18,714	19,640	22,175	21,002	19,172
Commercial	12,678	13,182	14,458	13,555	12,433
Industrial.....	5,580	7,184	9,067	8,998	7,667
Electric Utilities	523	119	141	76	165
Vehicle Fuel.....	6	8	13	15	8
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	303	306	365	356	519
Industrial.....	8,360	10,951	9,036	9,768	13,749
Electric Utilities	139	250	301	304	361
Vehicle Fuel.....	0	0	0	1	1
Number of Consumers					
Residential.....	194,357	203,435	205,199	209,806	218,851
Commercial	25,349	26,329	26,374	27,457	28,065
Industrial.....	453	463	466	462	454
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	96	97	108	100	88
Commercial	512	512	562	507	462
Industrial.....	30,773	39,168	38,848	40,619	47,172
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.46	1.36	1.41	1.59	1.53
Imports	1.47	1.23	1.88	2.15	1.82
Exports	1.43	—	—	—	—
Pipeline Fuel.....	1.53	1.16	1.44	1.77	1.72
City Gate	3.49	3.01	3.03	3.16	2.43
Delivered to Consumers					
Residential.....	5.23	5.15	4.86	5.05	5.25
Commercial	4.91	4.92	4.64	4.83	5.13
Industrial.....	4.91	4.87	4.88	4.79	4.68
Vehicle Fuel.....	4.34	4.61	3.93	3.83	4.18
Electric Utilities	1.21	3.84	2.89	NA	2.06

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

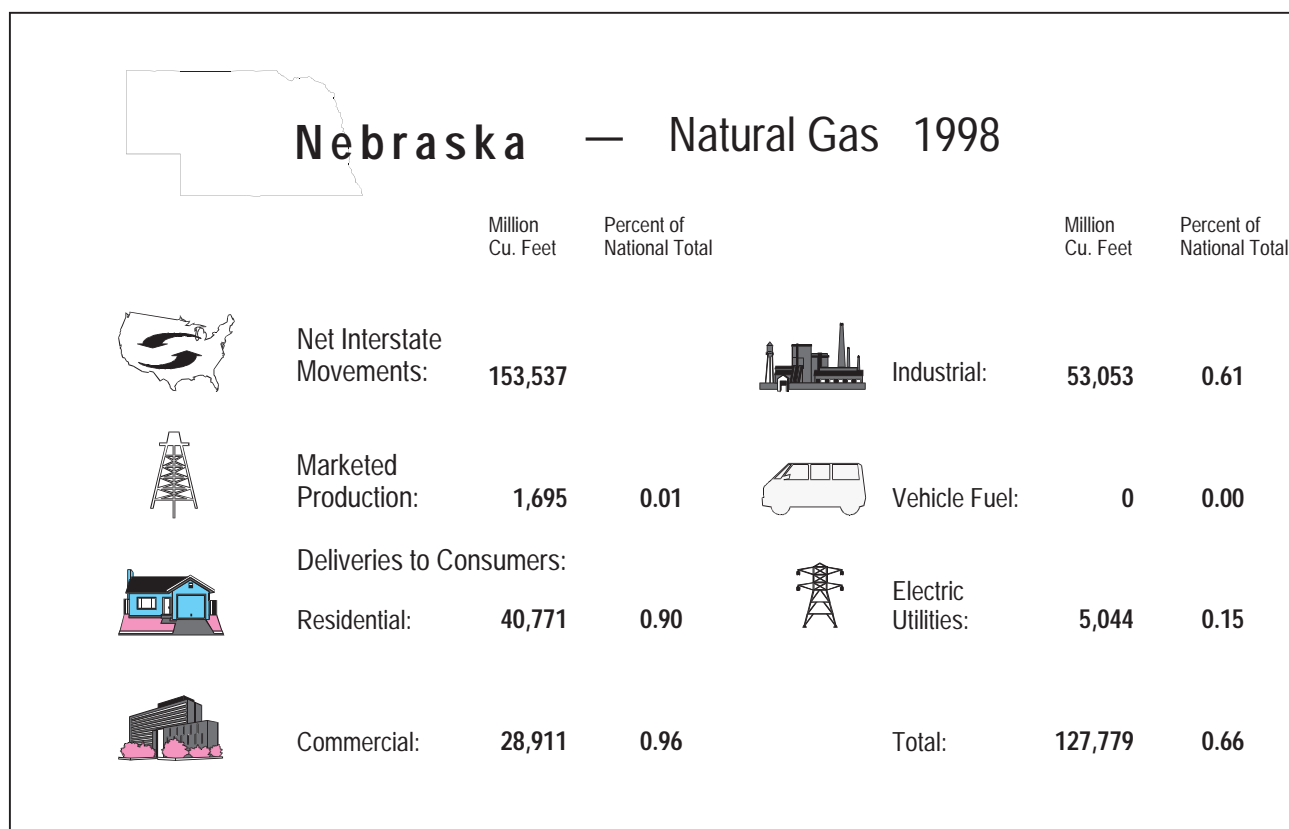


Table 74. Summary Statistics for Natural Gas — Nebraska, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	NA	NA	NA	NA	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	87	87	88	91	95
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	2,093	1,557	1,328	1,144	1,214
From Oil Wells.....	805	683	548	526	480
Total.....	2,898	2,240	1,876	1,670	1,695
Repressuring	*	*	0	0	0
Nonhydrocarbon Gases Removed.....	*	*	0	0	0
Wet After Lease Separation	2,898	2,240	1,876	1,670	1,695
Vented and Flared.....	*	*	0	0	0
Marketed Production	2,898	2,240	1,876	1,670	1,695
Extraction Loss.....	8	0	0	0	0
Total Dry Production.....	2,890	2,240	1,876	1,670	1,695
Supply (million cubic feet)					
Dry Production.....	2,890	2,240	1,876	1,670	1,695
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,170,211	1,030,750	1,091,152	1,082,729	1,141,508
Withdrawals from Storage					
Underground Storage.....	10,052	9,716	6,933	5,069	6,730
LNG Storage	367	248	788	383	351
Supplemental Gas Supplies.....	890	15	315	134	11
Balancing Item.....	-24,879	151,515	145,095	114,442	-26,390
Total Supply.....	1,159,532	1,194,485	1,246,160	1,204,427	1,123,904

See footnotes at end of table.

Table 74. Summary Statistics for Natural Gas — Nebraska, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	126,744	136,384	132,906	R132,161	130,669
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	1,019,871	1,054,114	1,103,916	1,065,103	987,971
Additions to Storage					
Underground Storage.....	12,524	3,872	8,423	6,659	5,264
LNG Storage	393	115	915	505	0
Total Disposition	1,159,532	1,194,485	1,246,160	1,204,427	1,123,904
Consumption (million cubic feet)					
Lease Fuel.....	86	58	43	38	37
Pipeline Fuel.....	3,282	3,401	4,563	4,084	2,853
Plant Fuel.....	3	2	3	7	0
Delivered to Consumers					
Residential.....	44,397	45,054	48,989	47,105	40,771
Commercial	38,946	40,044	40,833	33,853	28,911
Industrial.....	36,960	44,767	36,125	44,418	53,053
Vehicle Fuel.....	9	*	0	0	0
Electric Utilities.....	3,061	3,059	2,351	2,656	5,044
Total Delivered to Consumers	123,373	132,923	128,297	128,031	127,779
Total Consumption.....	126,744	136,384	132,906	R132,161	130,669
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	2,295
Commercial	7,726	9,181	12,247	8,738	7,941
Industrial.....	28,971	37,370	28,756	32,405	46,326
Electric Utilities.....	34	63	503	630	48
Firm Deliveries (million cubic feet)					
Residential.....	44,397	45,054	48,989	47,105	40,771
Commercial	33,550	34,796	35,960	28,808	23,835
Industrial.....	29,892	36,642	28,407	15,388	28,798
Electric Utilities.....	55	124	132	103	257
Vehicle Fuel.....	9	*	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	5,396	5,248	4,873	5,045	5,076
Industrial.....	7,069	8,125	7,718	29,030	24,254
Electric Utilities.....	563	1,214	1,570	1,562	1,953
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	428,201	427,720	439,931	444,970	523,790
Commercial	62,045	61,275	61,117	51,661	63,819
Industrial.....	766	2,432	2,234	11,553	10,673
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	104	105	111	106	78
Commercial	628	654	668	655	453
Industrial.....	48,251	18,407	16,170	3,845	4,971
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.60	1.19	1.43	1.53	1.30
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	1.34	1.33	2.10	2.54	2.01
City Gate	2.98	2.49	3.07	4.24	3.02
Delivered to Consumers					
Residential.....	5.01	4.83	4.88	5.69	5.13
Commercial	4.24	3.96	4.47	4.88	4.25
Industrial.....	3.12	2.79	3.29	3.85	3.26
Vehicle Fuel.....	4.67	—	—	—	—
Electric Utilities.....	2.02	1.65	2.07	2.86	2.40

R = Revised data.

NA = Not available.

— = Not applicable.

* = Volume is less than 500,000 cubic feet.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

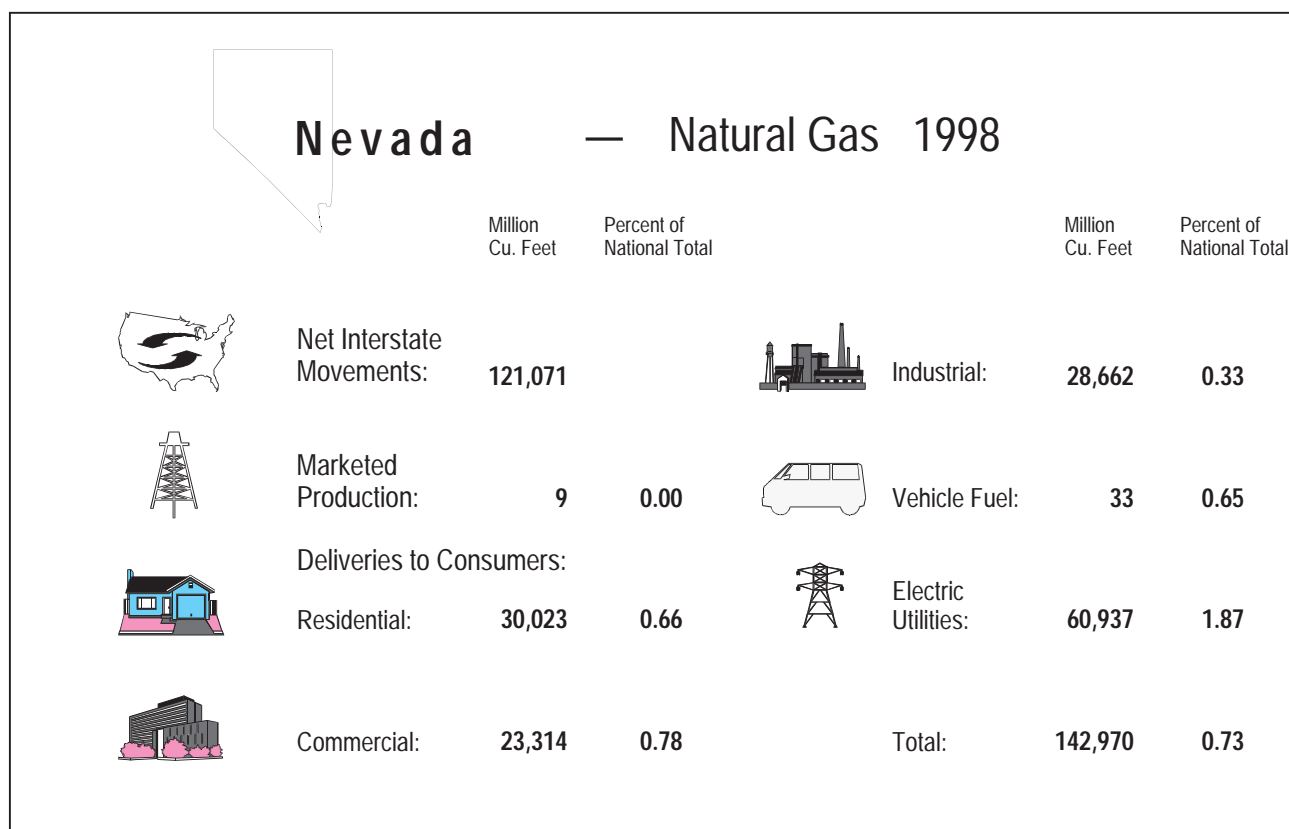


Table 75. Summary Statistics for Natural Gas — Nevada, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	5	5	4
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	16	13	11	9	9
Total.....	16	13	11	9	9
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	16	13	11	9	9
Vented and Flared.....	0	0	0	0	0
Marketed Production	16	13	11	9	9
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	16	13	11	9	9
Supply (million cubic feet)					
Dry Production.....	16	13	11	9	9
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	348,147	355,804	356,416	343,785	357,695
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	271	228	109	214	124
Supplemental Gas Supplies.....	9	0	0	0	0
Balancing Item.....	-893	2,910	10,688	R14,680	22,650
Total Supply.....	347,550	358,955	367,224	R358,689	380,478

See footnotes at end of table.

Table 75. Summary Statistics for Natural Gas — Nevada, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	101,790	111,004	123,178	^R 128,634	143,761
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	245,519	247,692	243,866	229,779	236,624
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	241	259	180	276	92
Total Disposition	347,550	358,955	367,224	^R358,689	380,478
Consumption (million cubic feet)					
Lease Fuel	16	13	11	9	9
Pipeline Fuel	669	730	718	656	782
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	21,263	20,686	22,607	25,243	30,023
Commercial	18,694	18,703	20,421	21,958	23,314
Industrial	28,867	30,641	32,606	28,925	28,662
Vehicle Fuel	36	109	48	65	33
Electric Utilities	32,246	40,134	46,766	^R 51,777	60,937
Total Delivered to Consumers	101,105	110,273	122,449	^R127,969	142,970
Total Consumption	101,790	111,004	123,178	^R128,634	143,761
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	3,276	4,416	5,272	6,305	6,941
Industrial	28,312	30,102	32,073	28,399	27,104
Electric Utilities	32,377	38,533	47,039	51,161	43,729
Firm Deliveries (million cubic feet)					
Residential	21,263	20,686	22,607	25,243	30,023
Commercial	18,407	18,393	20,093	21,527	22,799
Industrial	28,772	30,611	32,591	28,925	28,662
Electric Utilities	31,074	33,670	46,764	48,980	44,311
Vehicle Fuel	20	109	44	60	31
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	286	309	328	431	515
Industrial	95	30	15	0	0
Electric Utilities	1,303	4,863	275	2,181	2,924
Vehicle Fuel	16	0	5	5	2
Number of Consumers					
Residential	336,353	364,112	393,783	426,221	458,737
Commercial	24,521	25,593	26,613	27,629	29,030
Industrial	119	120	121	97	97
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	63	57	57	59	65
Commercial	762	731	767	795	803
Industrial	242,577	255,340	269,472	298,197	295,488
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.87	1.79	1.35	2.09	1.98
City Gate	3.18	2.73	3.10	3.39	3.02
Delivered to Consumers					
Residential	6.66	6.76	6.19	6.27	7.11
Commercial	5.36	5.40	4.91	5.09	6.28
Industrial	5.67	5.34	4.90	7.77	4.74
Vehicle Fuel	3.81	3.73	3.53	3.61	3.86
Electric Utilities	1.99	1.71	2.12	2.18	2.38

^R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

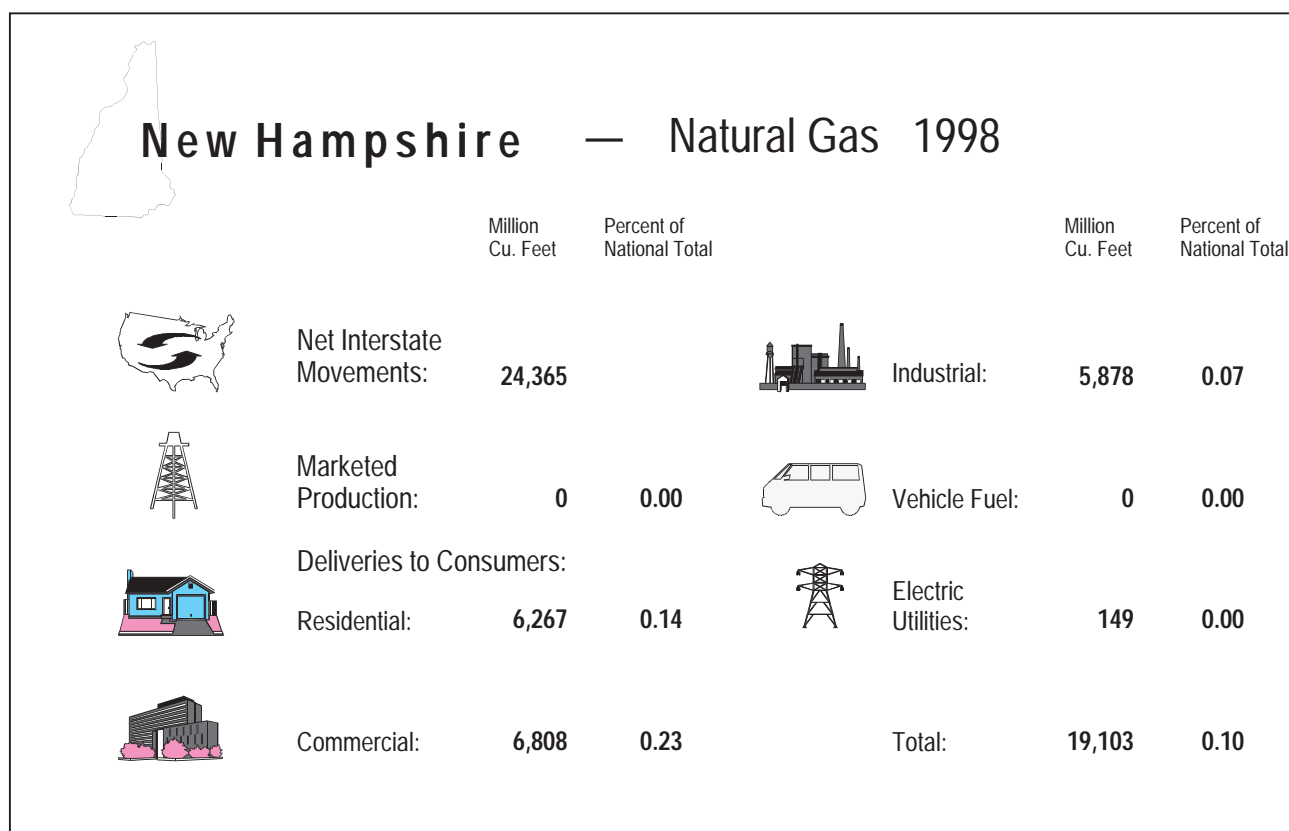


Table 76. Summary Statistics for Natural Gas — New Hampshire, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	20,249	31,742	27,435	27,720	30,093
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	160	90	147	102	103
Balancing Item.....	4,181	-6,413	-2,638	-542	-5,343
Total Supply.....	24,590	25,419	24,945	27,280	24,853

See footnotes at end of table.

Table 76. Summary Statistics for Natural Gas — New Hampshire, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	19,706	19,899	19,057	20,846	19,125
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	4,884	5,521	5,888	6,433	5,728
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	24,590	25,419	24,945	27,280	24,853
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	974	22	26	24	22
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	6,572	6,507	7,012	6,939	6,267
Commercial	6,412	6,514	7,099	7,489	6,808
Industrial	4,471	4,607	4,916	5,830	5,878
Vehicle Fuel	*	*	0	0	0
Electric Utilities	1,277	2,248	3	564	149
Total Delivered to Consumers	18,732	19,877	19,031	20,822	19,103
Total Consumption	19,706	19,899	19,057	20,846	19,125
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	0	52	218	567	399
Industrial	225	1,639	2,193	2,987	4,072
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	6,572	6,507	7,012	6,939	6,267
Commercial	6,412	6,514	7,099	7,489	6,808
Industrial	3,634	2,809	2,777	3,568	3,945
Electric Utilities	0	0	0	0	0
Vehicle Fuel	*	*	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	837	1,798	2,139	2,263	1,933
Electric Utilities	1,271	2,211	0	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	72,656	74,232	75,175	77,092	78,786
Commercial	12,240	12,450	12,755	13,225	13,512
Industrial	324	332	367	385	389
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	90	88	93	90	80
Commercial	524	523	557	566	504
Industrial	13,799	13,877	13,396	15,144	15,111
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	3.88	3.42	4.17	4.20	3.88
City Gate	3.49	3.39	4.20	4.10	3.75
Delivered to Consumers					
Residential	7.96	7.16	7.40	8.48	8.12
Commercial	7.17	6.44	6.74	7.63	7.18
Industrial	4.44	3.80	4.79	4.90	4.66
Vehicle Fuel	6.21	6.16	—	—	—
Electric Utilities	2.13	1.86	NA	2.71	—

NA = Not available.

— = Not applicable.

* = Volume is less than 500,000 cubic feet.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

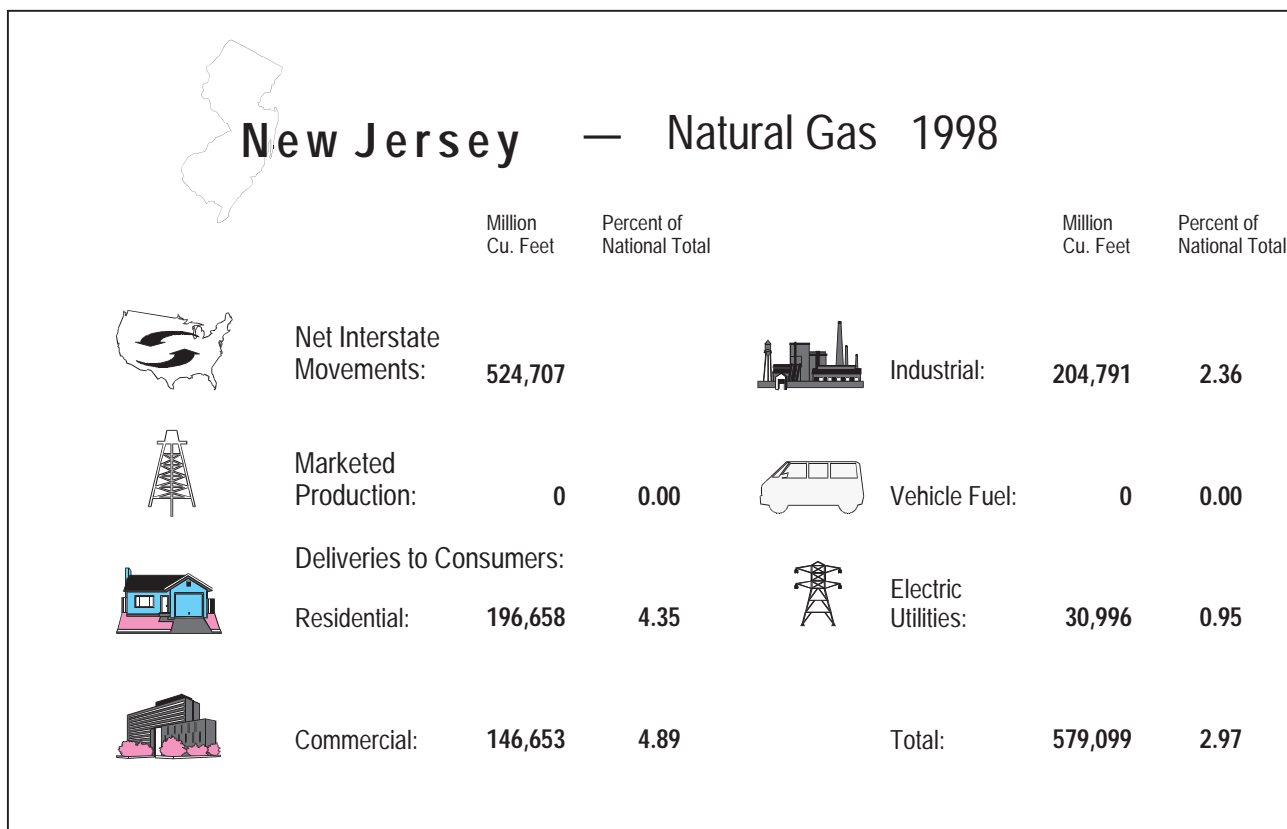


Table 77. Summary Statistics for Natural Gas — New Jersey, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,119,949	1,296,464	1,217,278	1,274,307	1,154,761
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	3,565	2,982	3,219	3,330	4,305
Supplemental Gas Supplies.....	7,737	7,291	6,778	6,464	9,082
Balancing Item.....	48,070	-465	17,919	R47,699	48,625
Total Supply.....	1,179,320	1,306,272	1,245,194	R1,331,800	1,216,774

See footnotes at end of table.

Table 77. Summary Statistics for Natural Gas — New Jersey, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	584,853	590,797	602,907	R621,045	581,799
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	589,632	712,420	637,254	706,829	630,054
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	4,835	3,055	5,033	3,926	4,922
Total Disposition	1,179,320	1,306,272	1,245,194	R1,331,800	1,216,774
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	2,497	2,482	3,097	3,407	2,700
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	216,873	194,432	222,619	216,925	196,658
Commercial	132,008	138,965	150,432	168,760	146,653
Industrial	190,845	209,014	200,933	202,418	204,791
Vehicle Fuel	4	6	0	1	0
Electric Utilities	42,625	45,897	25,825	R29,534	30,996
Total Delivered to Consumers	582,356	588,315	599,810	R617,638	579,099
Total Consumption	584,853	590,797	602,907	R621,045	581,799
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	611	2,301
Commercial	11,045	19,074	40,100	73,902	57,904
Industrial	81,222	98,456	96,081	107,183	106,301
Electric Utilities	1,637	3,725	12,559	5,436	7,078
Firm Deliveries (million cubic feet)					
Residential	216,873	194,432	222,619	216,925	196,658
Commercial	103,523	111,869	124,479	127,356	111,531
Industrial	74,939	79,863	81,881	80,006	80,699
Electric Utilities	29,126	30,145	20,864	15,065	21,504
Vehicle Fuel	4	6	0	1	0
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	28,485	27,096	25,954	41,404	35,122
Industrial	115,906	129,151	119,052	122,412	124,092
Electric Utilities	6,286	8,574	5,021	7,442	6,559
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	2,089,911	2,123,323	2,147,622	2,193,629	2,252,248
Commercial	219,061	222,632	224,749	226,714	234,459
Industrial	10,608	10,362	10,139	17,638	16,295
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	104	92	104	99	87
Commercial	603	624	669	744	625
Industrial	17,991	20,171	19,818	11,476	12,568
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.66	2.59	3.15	3.11	2.93
City Gate	3.33	3.34	3.84	4.19	3.71
Delivered to Consumers					
Residential	7.11	7.27	7.16	7.93	7.33
Commercial	6.03	5.76	6.14	5.88	3.70
Industrial	3.64	3.11	3.82	3.78	2.97
Vehicle Fuel	4.26	4.28	6.93	7.06	7.74
Electric Utilities	2.17	2.18	2.96	3.06	2.74

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

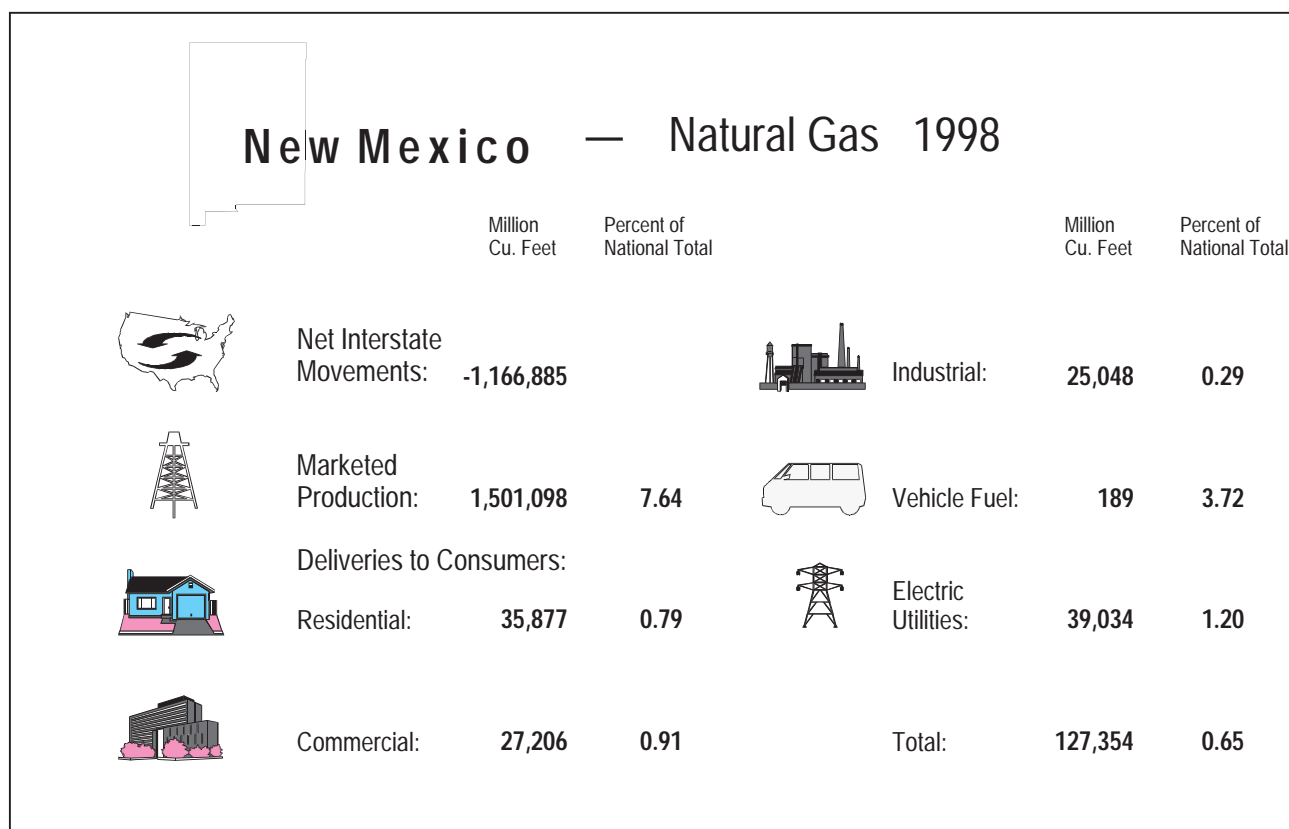


Table 78. Summary Statistics for Natural Gas — New Mexico, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	17,228	17,491	16,485	15,514	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	23,292	23,510	24,134	27,421	28,200
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	1,381,756	1,398,631	1,418,116	1,460,104	1,404,467
From Oil Wells.....	200,041	242,247	246,559	257,365	243,458
Total.....	1,581,797	1,640,878	1,664,676	1,717,468	1,647,925
Repressuring	18,982	9,615	10,131	10,456	10,032
Nonhydrocarbon Gases Removed.....	3,164	3,282	^a 97,759	145,594	134,122
Wet After Lease Separation	1,559,651	1,627,982	1,556,787	1,561,419	1,503,771
Vented and Flared.....	1,963	2,144	2,700	2,786	2,673
Marketed Production	1,557,689	1,625,837	1,554,087	1,558,633	1,501,098
Extraction Loss.....	86,607	85,668	108,341	109,046	106,665
Total Dry Production.....	1,471,082	1,540,169	1,445,746	1,449,587	1,394,433
Supply (million cubic feet)					
Dry Production.....	1,471,082	1,540,169	1,445,746	1,449,587	1,394,433
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	334,650	343,196	316,153	303,455	292,297
Withdrawals from Storage					
Underground Storage.....	17,172	16,986	17,290	15,001	10,342
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-165,975	-199,959	-93,135	^R -64,224	18,363
Total Supply.....	1,656,929	1,700,392	1,686,053	^R1,703,819	1,715,435

See footnotes at end of table.

Table 78. Summary Statistics for Natural Gas — New Mexico, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	220,770	215,147	221,736	R249,665	239,432
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,417,608	1,470,532	1,452,364	1,441,218	1,459,182
Additions to Storage					
Underground Storage	18,551	14,712	11,953	12,936	16,821
LNG Storage	0	0	0	0	0
Total Disposition	1,656,929	1,700,392	1,686,053	R1,703,819	1,715,435
Consumption (million cubic feet)					
Lease Fuel	18,476	16,134	17,901	18,476	17,728
Pipeline Fuel	59,135	56,762	26,926	R61,772	52,424
Plant Fuel	36,310	36,455	63,850	45,982	41,926
Delivered to Consumers					
Residential	30,868	28,770	33,689	36,623	35,877
Commercial	24,964	23,934	26,466	R27,403	27,206
Industrial	18,741	21,095	22,858	R25,875	25,048
Vehicle Fuel	62	73	77	158	189
Electric Utilities	32,214	31,924	29,969	R33,375	39,034
Total Delivered to Consumers	106,849	105,796	113,059	R123,435	127,354
Total Consumption	220,770	215,147	221,736	R249,665	239,432
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	10
Commercial	9,395	9,520	9,351	7,959	8,981
Industrial	16,884	19,596	22,049	R23,412	22,603
Electric Utilities	24,868	25,751	13,618	13,635	14,198
Firm Deliveries (million cubic feet)					
Residential	30,868	28,770	33,689	36,623	35,877
Commercial	24,849	23,749	26,379	27,193	26,784
Industrial	17,976	19,979	19,892	R22,421	22,134
Electric Utilities	15,213	25,161	13,883	14,383	15,106
Vehicle Fuel	62	73	77	158	189
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	115	186	87	R210	422
Industrial	765	1,116	2,966	3,454	2,914
Electric Utilities	11,360	2,711	2,814	1,308	1,833
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	409,095	421,896	428,621	443,167	454,065
Commercial	39,846	38,099	37,796	R38,918	42,067
Industrial	1,097	1,065	1,365	R1,366	1,549
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	75	68	79	83	79
Commercial	627	628	700	R704	647
Industrial	17,084	19,808	16,746	R18,942	16,170
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.58	1.26	1.67	1.76	1.76
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.61	1.13	1.59	1.94	1.89
City Gate	2.02	1.46	1.99	2.53	2.08
Delivered to Consumers					
Residential	5.61	5.04	4.47	5.87	5.22
Commercial	4.41	3.74	3.35	R4.41	4.04
Industrial	3.39	2.83	2.90	R3.18	3.22
Vehicle Fuel	5.11	3.86	4.78	4.67	3.92
Electric Utilities	1.99	1.57	2.31	2.64	2.22

^a Nonhydrocarbon gases removed increased significantly in 1996 due to production increases in the Bravo Dome.

^R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of

Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

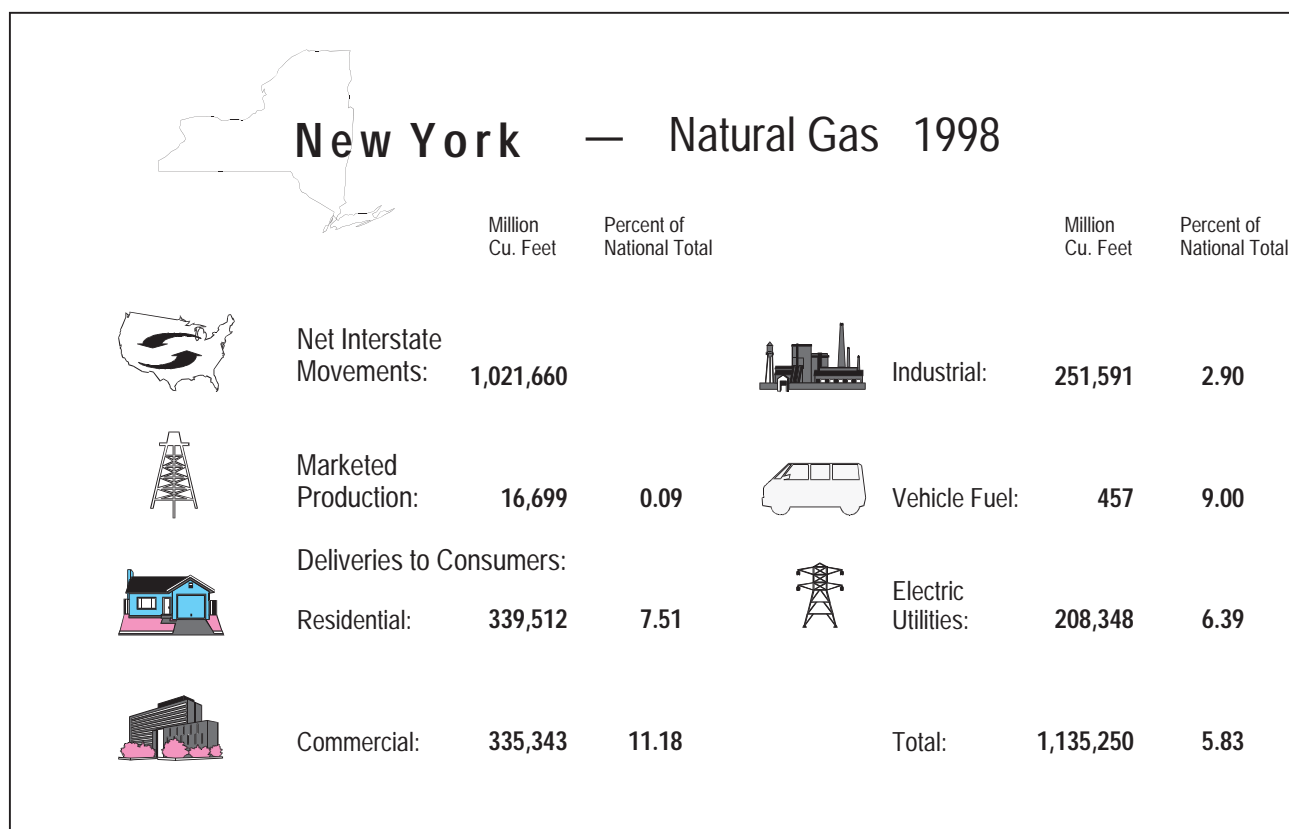


Table 79. Summary Statistics for Natural Gas — New York, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	242	197	232	224	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	5,884	6,134	6,208	5,731	5,903
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	19,937	17,677	17,494	15,525	16,413
From Oil Wells.....	539	723	641	669	291
Total.....	20,476	18,400	18,134	16,193	16,704
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	20,476	18,400	18,134	16,193	16,704
Vented and Flared.....	11	0	3	5	5
Marketed Production	20,465	18,400	18,131	16,188	16,699
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	20,465	18,400	18,131	16,188	16,699
Supply (million cubic feet)					
Dry Production.....	20,465	18,400	18,131	16,188	16,699
Receipts at State Borders					
Imports	562,267	630,321	652,578	656,332	666,256
Intransit Receipts	0	0	0	0	0
Interstate Receipts	926,727	1,376,638	1,194,754	1,196,768	1,042,286
Withdrawals from Storage					
Underground Storage.....	64,803	75,692	63,108	67,438	52,642
LNG Storage	835	886	1,262	760	260
Supplemental Gas Supplies.....	1,460	1,490	1,259	881	699
Balancing Item.....	53,555	-15,053	76,323	R105,450	114,859
Total Supply.....	1,630,111	2,088,373	2,007,416	R2,043,817	1,893,702

See footnotes at end of table.

Table 79. Summary Statistics for Natural Gas — New York, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	1,012,497	1,140,488	1,130,516	R1,228,368	1,143,203
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	549,862	886,014	798,572	746,689	686,882
Additions to Storage					
Underground Storage	66,627	60,947	76,475	67,135	63,298
LNG Storage	1,125	926	1,853	1,625	318
Total Disposition	1,630,111	2,088,373	2,007,416	R2,043,817	1,893,702
Consumption (million cubic feet)					
Lease Fuel	781	1,074	939	778	636
Pipeline Fuel	6,039	8,088	7,835	7,477	7,317
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	385,408	375,005	403,264	375,641	339,512
Commercial	223,256	231,352	253,075	320,862	335,343
Industrial	214,438	278,576	322,661	305,521	251,591
Vehicle Fuel	53	127	54	584	457
Electric Utilities	182,521	246,265	142,688	R217,504	208,348
Total Delivered to Consumers	1,005,676	1,131,325	1,121,742	R1,220,113	1,135,250
Total Consumption	1,012,497	1,140,488	1,130,516	R1,228,368	1,143,203
Delivered for the Account of Others (million cubic feet)					
Residential	2,369	3,019	3,840	4,525	15,356
Commercial	45,626	55,135	58,135	113,408	157,319
Industrial	180,002	240,506	291,057	279,409	236,657
Electric Utilities	14,082	24,175	4,804	16,513	4,978
Firm Deliveries (million cubic feet)					
Residential	382,713	371,662	399,748	372,264	337,214
Commercial	201,478	203,125	215,904	229,873	222,947
Industrial	135,471	210,865	254,300	255,078	204,409
Electric Utilities	34,310	35,779	13,448	32,682	36,302
Vehicle Fuel	28	127	54	584	457
Interruptible Deliveries (million cubic feet)					
Residential	2,695	3,343	3,516	3,378	2,297
Commercial	21,779	28,227	37,170	90,989	112,396
Industrial	78,967	67,711	68,361	50,443	47,182
Electric Utilities	135,488	199,843	129,051	169,272	154,455
Vehicle Fuel	25	0	0	0	0
Number of Consumers					
Residential	4,008,868	4,030,702	4,048,166	4,077,385	4,117,307
Commercial	301,499	308,760	315,855	314,613	348,694
Industrial	21,833	22,484	15,300	23,109	6,268
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	96	93	100	92	82
Commercial	740	749	801	1,020	962
Industrial	9,822	12,390	21,089	13,221	40,139
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.35	2.30	—	2.56	2.56
Imports	2.44	2.30	2.94	2.90	2.55
Exports	—	—	—	—	—
Pipeline Fuel	2.21	1.52	2.23	1.89	1.38
City Gate	3.02	2.47	3.36	4.20	2.65
Delivered to Consumers					
Residential	8.75	8.42	8.90	9.73	9.59
Commercial	6.51	6.10	6.88	6.50	6.08
Industrial	5.22	4.69	5.04	5.05	4.02
Vehicle Fuel	3.64	2.13	5.47	4.14	6.66
Electric Utilities	2.30	2.13	2.96	2.88	2.57

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

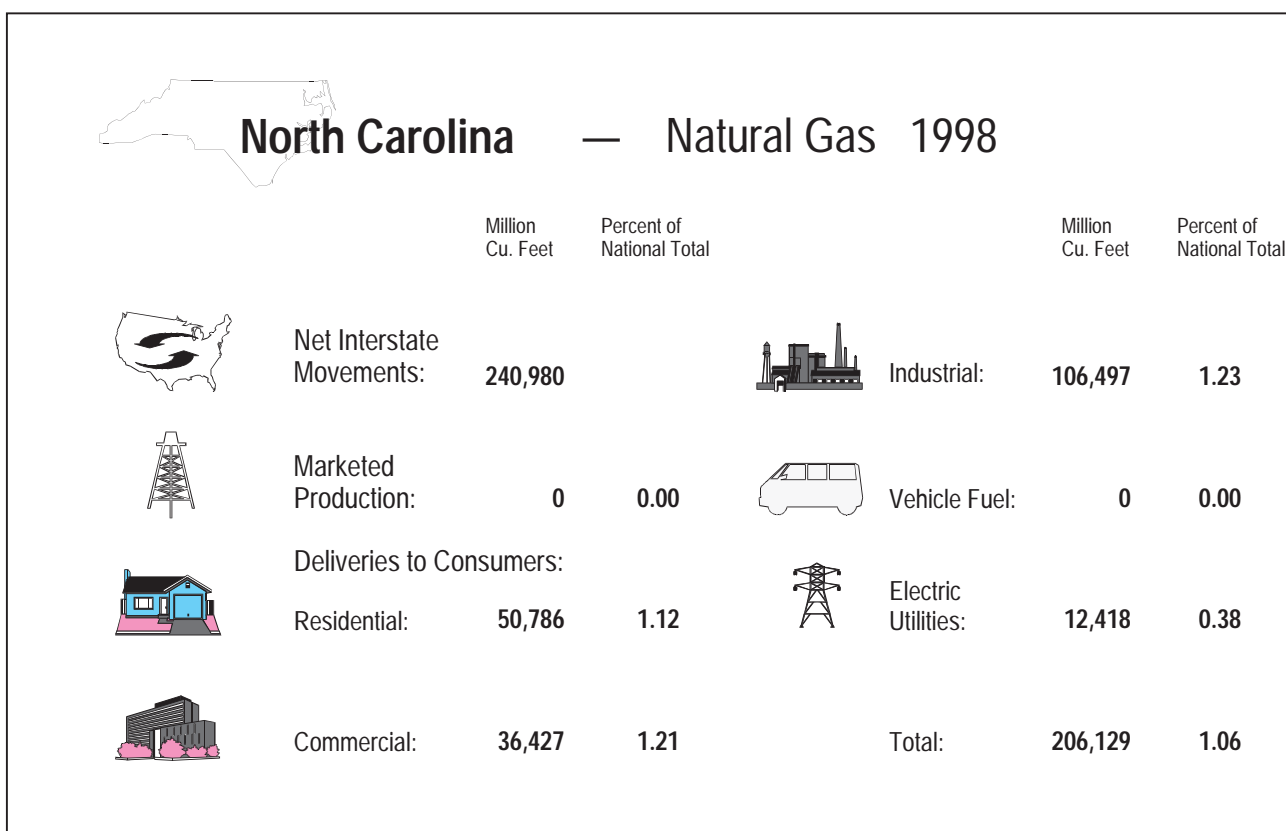


Table 80. Summary Statistics for Natural Gas — North Carolina, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	901,123	913,692	970,866	976,910	962,544
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	1,802	1,710	2,490	1,686	1,083
Supplemental Gas Supplies.....	3	0	0	0	0
Balancing Item.....	-10,433	-15,104	-13,425	^R -24,877	-27,982
Total Supply.....	892,496	900,298	959,931	^R953,719	935,645

See footnotes at end of table.

Table 80. Summary Statistics for Natural Gas — North Carolina, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	187,861	202,726	213,155	^R 214,206	212,795
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	702,517	696,000	744,068	737,497	721,564
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	2,118	1,572	2,708	2,016	1,286
Total Disposition	892,496	900,298	959,931	^R953,719	935,645
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	5,753	6,100	7,372	7,265	6,666
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	47,451	49,379	58,812	52,894	50,786
Commercial	38,940	37,362	40,467	38,021	36,427
Industrial	94,838	106,731	104,124	111,513	106,497
Vehicle Fuel	8	9	0	0	0
Electric Utilities	871	3,146	2,381	^R 4,512	12,418
Total Delivered to Consumers	182,107	196,626	205,783	^R206,940	206,129
Total Consumption	187,861	202,726	213,155	^R214,206	212,795
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	1,314	2,831	1,409	2,141	3,418
Industrial	38,907	56,707	42,287	60,729	72,282
Electric Utilities	432	967	578	1,012	1,884
Firm Deliveries (million cubic feet)					
Residential	47,451	49,379	58,812	52,894	50,786
Commercial	36,567	35,592	39,847	35,875	35,501
Industrial	18,816	23,511	26,915	27,318	31,494
Electric Utilities	149	50	7	43	89
Vehicle Fuel	8	9	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	2,374	1,770	619	2,146	927
Industrial	76,023	83,220	77,208	84,195	75,003
Electric Utilities	703	2,970	2,356	4,492	11,396
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	652,307	678,147	699,159	740,013	777,805
Commercial	80,739	84,041	93,504	97,629	100,251
Industrial	3,401	3,652	3,973	5,375	6,228
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	73	73	84	71	65
Commercial	482	445	433	389	363
Industrial	27,885	29,225	26,208	20,747	17,100
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.08	1.77	2.43	3.23	2.61
City Gate	3.27	2.95	3.74	3.97	3.49
Delivered to Consumers					
Residential	7.30	6.93	7.59	8.98	8.69
Commercial	5.56	5.24	6.18	7.00	6.63
Industrial	3.68	3.56	4.37	4.66	3.96
Vehicle Fuel	4.44	4.27	—	—	—
Electric Utilities	3.38	2.40	3.11	3.22	2.81

^R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

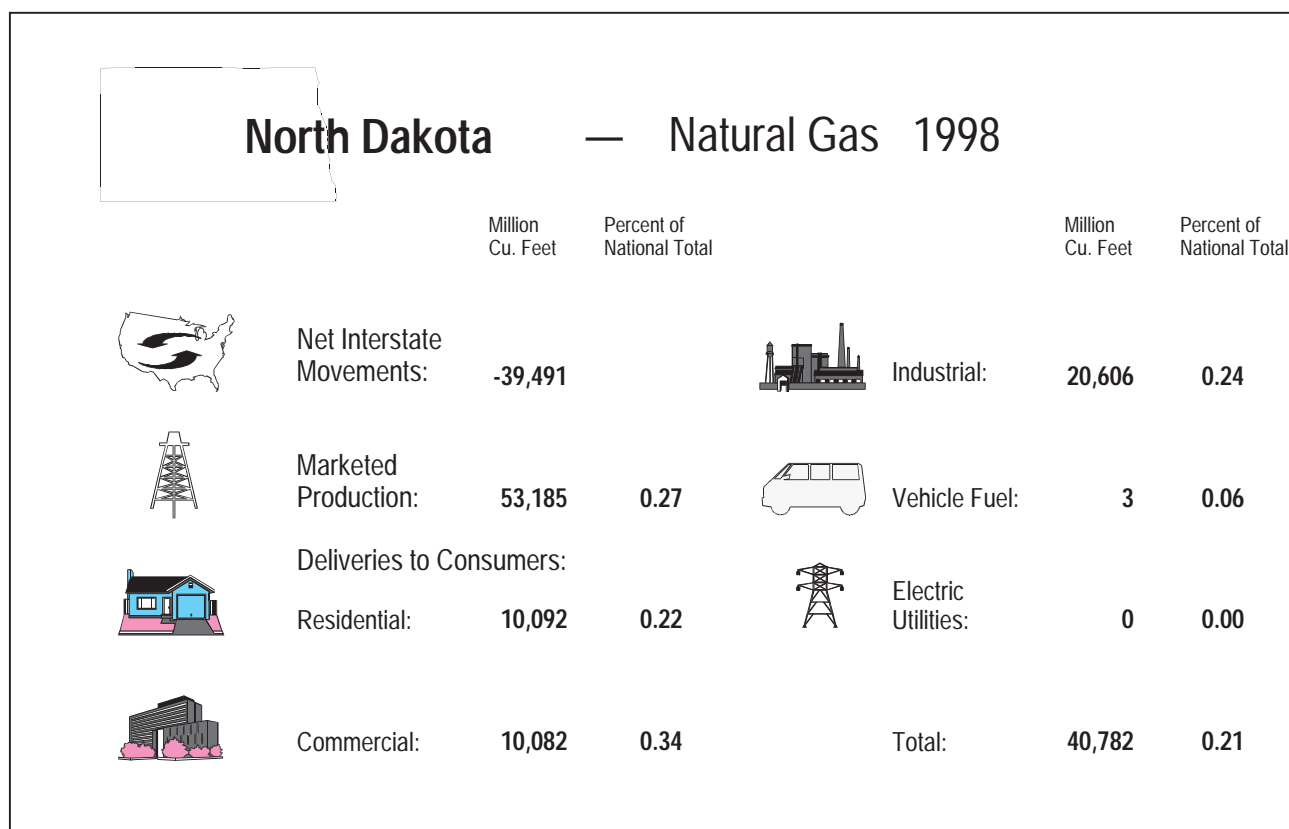


Table 81. Summary Statistics for Natural Gas — North Dakota, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	507	463	462	479	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	104	99	108	104	99
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	19,592	16,914	16,810	18,186	18,220
From Oil Wells.....	43,640	39,760	38,906	38,107	39,394
Total.....	63,232	56,674	55,716	56,292	57,614
Repressuring	2,577	2,813	2,727	^a 196	0
Nonhydrocarbon Gases Removed.....	358	93	358	161	57
Wet After Lease Separation	60,297	53,768	52,631	55,935	57,556
Vented and Flared.....	2,492	4,300	2,957	3,534	4,371
Marketed Production	57,805	49,468	49,674	52,401	53,185
Extraction Loss.....	5,671	5,327	4,937	5,076	5,481
Total Dry Production.....	52,134	44,141	44,737	47,325	47,704
Supply (million cubic feet)					
Dry Production.....	52,134	44,141	44,737	47,325	47,704
Receipts at State Borders					
Imports	1,617	4,559	6,110	7,672	9,268
Intransit Receipts	0	0	0	0	0
Interstate Receipts	543,543	574,766	598,044	596,337	578,285
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	57,127	57,393	55,867	53,179	54,672
Balancing Item.....	-4,439	869	-2,037	-5,464	-13,381
Total Supply.....	649,983	681,729	702,720	699,049	676,548

See footnotes at end of table.

Table 81. Summary Statistics for Natural Gas — North Dakota, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	42,853	45,378	49,030	56,143	49,504
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	607,129	636,351	653,690	642,906	627,044
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	649,983	681,729	702,720	699,049	676,548
Consumption (million cubic feet)					
Lease Fuel.....	6,247	6,800	7,320	4,152	3,838
Pipeline Fuel.....	4,246	4,665	4,757	4,744	413
Plant Fuel.....	5,059	4,542	4,283	4,420	4,471
Delivered to Consumers					
Residential.....	10,661	11,209	12,591	11,370	10,092
Commercial	10,783	11,644	12,150	10,870	10,082
Industrial.....	5,846	6,505	7,911	20,580	20,606
Vehicle Fuel.....	8	12	15	5	3
Electric Utilities.....	3	1	3	1	0
Total Delivered to Consumers	27,301	29,371	32,670	42,826	40,782
Total Consumption.....	42,853	45,378	49,030	56,143	49,504
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	2,199	2,224	1,454	1,207	1,631
Industrial.....	4,402	5,319	5,813	16,783	17,594
Electric Utilities.....	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential.....	10,661	11,209	12,591	11,370	10,092
Commercial	7,937	8,342	9,484	8,627	8,062
Industrial.....	506	169	870	11,752	10,777
Electric Utilities.....	2	1	3	1	1
Vehicle Fuel.....	8	12	15	5	3
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	2,846	3,302	2,666	2,243	2,020
Industrial.....	5,340	6,336	7,041	8,828	9,828
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	93,398	95,818	97,761	98,326	101,930
Commercial	12,944	13,399	13,789	14,099	14,422
Industrial.....	186	189	206	216	404
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	114	117	129	116	99
Commercial	833	869	881	771	699
Industrial.....	31,429	34,418	38,401	95,276	51,004
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	NA	—	—	2.16	2.14
Imports	1.55	0.97	1.26	1.67	1.71
Exports	—	—	—	—	—
Pipeline Fuel.....	1.34	1.01	1.70	2.07	1.77
City Gate	3.15	2.58	2.94	3.38	2.81
Delivered to Consumers					
Residential.....	5.19	4.66	4.54	4.99	5.16
Commercial	4.48	3.90	3.91	4.35	4.37
Industrial.....	3.31	2.90	3.02	3.05	2.82
Vehicle Fuel.....	4.19	2.71	1.54	3.92	4.01
Electric Utilities.....	4.11	3.71	2.93	3.43	—

^a Ceased injections.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

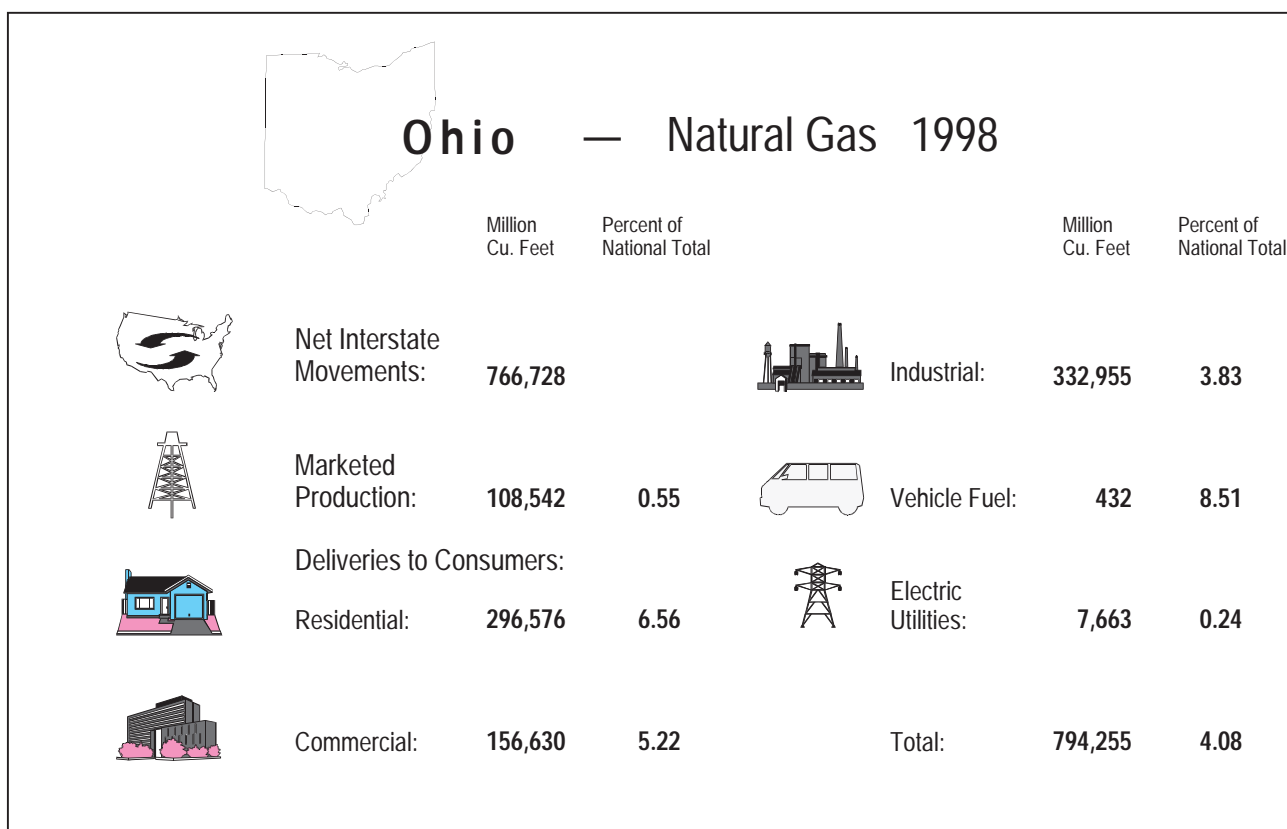


Table 82. Summary Statistics for Natural Gas — Ohio, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,094	1,054	1,113	985	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	34,731	34,520	34,380	34,238	34,098
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	132,151	126,336	119,251	116,246	108,542
From Oil Wells.....	0	0	0	0	0
Total.....	132,151	126,336	119,251	116,246	108,542
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	132,151	126,336	119,251	116,246	108,542
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	132,151	126,336	119,251	116,246	108,542
Extraction Loss.....	104	94	85	83	78
Total Dry Production.....	132,047	126,242	119,166	116,163	108,464
Supply (million cubic feet)					
Dry Production.....	132,047	126,242	119,166	116,163	108,464
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,617,648	2,817,908	2,997,400	2,662,578	2,108,289
Withdrawals from Storage					
Underground Storage.....	163,084	200,211	187,798	192,991	165,159
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	1,432	904	1,828	1,423	1,194
Balancing Item.....	-40,803	-112,044	-241,361	R-38,239	-36,692
Total Supply.....	2,873,408	3,033,222	3,064,832	R2,934,916	2,346,414

See footnotes at end of table.

Table 82. Summary Statistics for Natural Gas — Ohio, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	843,345	896,072	936,430	R898,778	813,022
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,838,402	1,975,801	1,929,760	1,835,811	1,341,561
Additions to Storage					
Underground Storage	191,660	161,350	198,642	200,327	191,831
LNG Storage	0	0	0	0	0
Total Disposition	2,873,408	3,033,222	3,064,832	R2,934,916	2,346,414
Consumption (million cubic feet)					
Lease Fuel	1,296	1,251	1,193	1,162	1,085
Pipeline Fuel	17,895	17,677	20,166	19,453	17,641
Plant Fuel	36	32	37	39	40
Delivered to Consumers					
Residential	343,331	357,754	374,824	354,543	296,576
Commercial	166,798	175,160	189,966	183,838	156,630
Industrial	311,123	336,552	347,149	335,993	332,955
Vehicle Fuel	48	187	229	264	432
Electric Utilities	2,818	7,459	2,867	R3,486	7,663
Total Delivered to Consumers	824,119	877,112	915,035	R878,124	794,255
Total Consumption	843,345	896,072	936,430	R898,778	813,022
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	3,477	17,184
Commercial	30,807	41,569	53,609	63,352	70,543
Industrial	281,055	312,067	321,733	316,813	318,793
Electric Utilities	1,626	4,647	2,303	3,414	6,982
Firm Deliveries (million cubic feet)					
Residential	343,321	357,726	374,790	354,543	296,576
Commercial	163,205	170,659	184,757	179,869	153,066
Industrial	268,372	290,146	299,145	292,384	288,103
Electric Utilities	985	1,659	1,342	2,024	2,393
Vehicle Fuel	48	187	229	264	432
Interruptible Deliveries (million cubic feet)					
Residential	11	28	34	0	0
Commercial	3,594	4,501	5,209	3,969	3,564
Industrial	42,751	46,407	48,004	43,609	44,851
Electric Utilities	1,703	3,667	1,344	1,826	5,981
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	2,921,536	2,967,375	2,994,891	3,041,948	3,050,960
Commercial	245,190	250,223	259,663	254,991	258,076
Industrial	8,655	8,650	8,672	7,780	8,114
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	118	121	125	117	97
Commercial	680	700	732	721	607
Industrial	35,947	38,908	40,031	43,187	41,035
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.43	2.33	2.63	2.70	2.24
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.50	2.03	2.88	2.80	3.20
City Gate	3.48	3.84	4.37	5.18	4.70
Delivered to Consumers					
Residential	5.88	5.46	5.90	6.75	6.43
Commercial	5.38	4.92	5.38	6.23	5.83
Industrial	4.45	3.93	4.10	4.93	4.39
Vehicle Fuel	4.87	4.44	4.77	6.24	5.90
Electric Utilities	3.85	2.34	3.44	3.72	3.24

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

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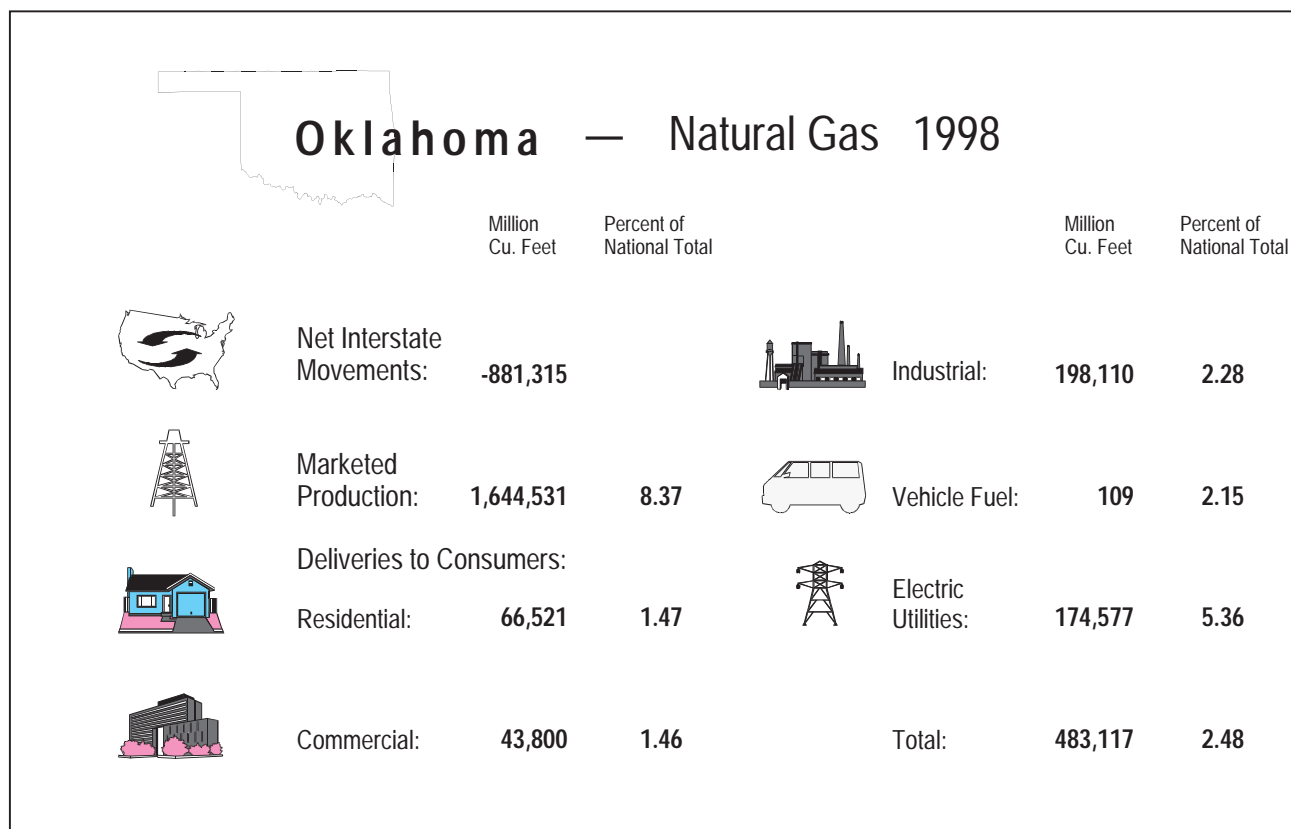


Table 83. Summary Statistics for Natural Gas — Oklahoma, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	13,487	13,438	13,074	13,439	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	29,121	29,733	29,733	R29,734	30,101
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	1,626,858	1,521,857	1,467,695	1,450,118	1,426,864
From Oil Wells.....	308,006	289,877	267,192	253,770	217,666
Total.....	1,934,864	1,811,734	1,734,887	1,703,888	1,644,531
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	1,934,864	1,811,734	1,734,887	1,703,888	1,644,531
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	1,934,864	1,811,734	1,734,887	1,703,888	1,644,531
Extraction Loss.....	101,564	94,930	100,379	96,830	92,785
Total Dry Production.....	1,833,300	1,716,804	1,634,508	1,607,058	1,551,746
Supply (million cubic feet)					
Dry Production.....	1,833,300	1,716,804	1,634,508	1,607,058	1,551,746
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	543,679	810,112	848,589	827,475	657,304
Withdrawals from Storage					
Underground Storage.....	104,738	114,073	140,028	123,008	117,623
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-303	-105,683	-10,233	R-49,329	-53,520
Total Supply.....	2,481,414	2,535,307	2,612,891	R2,508,212	2,273,153

See footnotes at end of table.

Table 83. Summary Statistics for Natural Gas — Oklahoma, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	572,074	568,153	566,995	^R 560,095	568,902
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,785,764	1,872,345	1,928,829	1,815,627	1,538,619
Additions to Storage					
Underground Storage	123,576	94,809	117,067	132,489	165,631
LNG Storage	0	0	0	0	0
Total Disposition	2,481,414	2,535,307	2,612,891	^R2,508,212	2,273,153
Consumption (million cubic feet)					
Lease Fuel	55,607	45,946	37,803	51,042	35,509
Pipeline Fuel	26,146	30,633	33,583	26,130	24,242
Plant Fuel	35,432	34,900	35,236	30,370	26,034
Delivered to Consumers					
Residential	69,211	68,702	76,629	71,762	66,521
Commercial	36,504	39,639	46,152	45,086	43,800
Industrial	195,909	194,101	201,024	^R 206,777	198,110
Vehicle Fuel	157	117	133	110	109
Electric Utilities	153,109	154,114	136,436	^R 128,818	174,577
Total Delivered to Consumers	454,889	456,674	460,373	^R452,553	483,117
Total Consumption	572,074	568,153	566,995	^R560,095	568,902
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	4,214	5,894	7,165	8,204	11,752
Industrial	148,340	164,610	187,816	197,058	190,910
Electric Utilities	139,435	138,365	125,825	112,592	114,556
Firm Deliveries (million cubic feet)					
Residential	69,211	68,700	76,629	71,762	66,521
Commercial	32,220	36,699	44,276	43,257	42,074
Industrial	30,103	114,292	86,838	^R 110,739	107,899
Electric Utilities	153,602	140,115	127,247	114,713	114,511
Vehicle Fuel	2	117	133	110	109
Interruptible Deliveries (million cubic feet)					
Residential	0	2	0	0	0
Commercial	4,284	2,940	1,876	1,829	1,726
Industrial	165,806	79,809	114,185	96,039	90,211
Electric Utilities	4,457	14,582	16,261	17,164	21,093
Vehicle Fuel	154	0	0	0	0
Number of Consumers					
Residential	845,448	856,604	866,531	872,454	877,236
Commercial	87,494	88,358	89,852	90,284	89,711
Industrial	2,853	2,845	2,843	2,569	3,330
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	82	80	88	82	76
Commercial	417	449	514	499	488
Industrial	68,668	68,225	70,708	^R 80,489	59,492
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.70	1.44	2.21	2.32	1.77
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.64	1.36	2.12	2.34	1.90
City Gate	2.46	2.52	2.56	3.12	2.55
Delivered to Consumers					
Residential	5.50	5.56	5.64	6.23	5.93
Commercial	4.73	4.48	4.71	5.35	5.06
Industrial	2.14	2.27	3.26	^R 4.16	3.66
Vehicle Fuel	2.36	2.36	2.36	2.46	2.49
Electric Utilities	2.76	2.34	2.98	2.97	2.48

^R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

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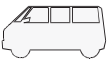



Oregon		— Natural Gas 1998			
	Million Cu. Feet	Percent of National Total		Million Cu. Feet	Percent of National Total
					
 Net Interstate Movements:	217,377		 Industrial:	102,770	1.18
 Marketed Production:	1,067	0.01	 Vehicle Fuel:	38	0.75
Deliveries to Consumers:					
 Residential:	34,417	0.76	 Electric Utilities:	28,883	0.89
 Commercial:	25,986	0.87	Total:	192,094	0.99

Table 84. Summary Statistics for Natural Gas — Oregon, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	NA	NA	NA	NA	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	19	17	18	17	15
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	4,200	2,520	1,743	1,382	1,263
From Oil Wells.....	0	0	0	0	0
Total.....	4,200	2,520	1,743	1,382	1,263
Repressuring	55	43	39	43	44
Nonhydrocarbon Gases Removed.....	924	554	265	166	152
Wet After Lease Separation	3,221	1,923	1,439	1,173	1,067
Vented and Flared.....	0	0	0	0	0
Marketed Production	3,221	1,923	1,439	1,173	1,067
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	3,221	1,923	1,439	1,173	1,067
Supply (million cubic feet)					
Dry Production.....	3,221	1,923	1,439	1,173	1,067
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	765,764	882,385	906,506	954,325	957,810
Withdrawals from Storage					
Underground Storage.....	5,237	3,567	5,199	4,943	4,395
LNG Storage	1,117	675	939	841	1,014
Supplemental Gas Supplies.....	2	2	2	2	2
Balancing Item.....	6,816	4,075	-11,418	^R -9,398	-11,986
Total Supply.....	782,157	892,627	902,666	^R951,887	952,302

See footnotes at end of table.

Table 84. Summary Statistics for Natural Gas — Oregon, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	146,409	145,867	168,605	R171,586	205,439
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	628,931	741,523	728,952	773,152	740,433
Additions to Storage					
Underground Storage	5,956	4,447	4,416	6,259	5,673
LNG Storage	860	790	693	889	757
Total Disposition	782,157	892,627	902,666	R951,887	952,302
Consumption (million cubic feet)					
Lease Fuel	95	66	40	0	0
Pipeline Fuel	5,788	7,256	7,939	12,481	13,345
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	28,848	28,067	33,236	32,522	34,417
Commercial	22,960	22,419	25,597	25,465	25,986
Industrial	62,569	68,904	87,754	90,403	102,770
Vehicle Fuel	17	18	25	35	38
Electric Utilities	26,132	19,136	14,015	R10,680	28,883
Total Delivered to Consumers	140,526	138,545	160,626	R159,105	192,094
Total Consumption	146,409	145,867	168,605	R171,586	205,439
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	430	419	431	378	254
Industrial	42,891	51,352	71,942	75,666	88,092
Electric Utilities	26,310	19,136	13,127	10,446	28,065
Firm Deliveries (million cubic feet)					
Residential	28,848	28,067	33,236	32,522	34,417
Commercial	22,529	22,001	25,166	25,087	25,732
Industrial	18,733	22,694	41,597	48,360	36,572
Electric Utilities	26,310	19,136	13,127	10,446	28,065
Vehicle Fuel	17	18	25	35	38
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	430	419	431	378	254
Industrial	43,835	46,211	46,157	42,042	66,198
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	391,845	411,465	433,638	456,960	477,796
Commercial	53,700	55,409	57,613	60,419	63,085
Industrial	765	791	799	704	695
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	74	68	77	71	72
Commercial	428	405	444	421	412
Industrial	81,789	87,110	109,830	128,413	147,870
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.06	0.93	2.26	2.19	2.38
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.86	1.77	1.77	1.80	1.84
City Gate	2.73	2.42	2.42	2.58	2.73
Delivered to Consumers					
Residential	6.99	6.74	6.31	6.21	6.81
Commercial	5.52	5.23	4.85	4.63	5.25
Industrial	3.61	3.41	3.24	3.03	3.75
Vehicle Fuel	4.91	4.63	4.43	5.92	5.92
Electric Utilities	1.85	1.31	1.33	1.49	1.56

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

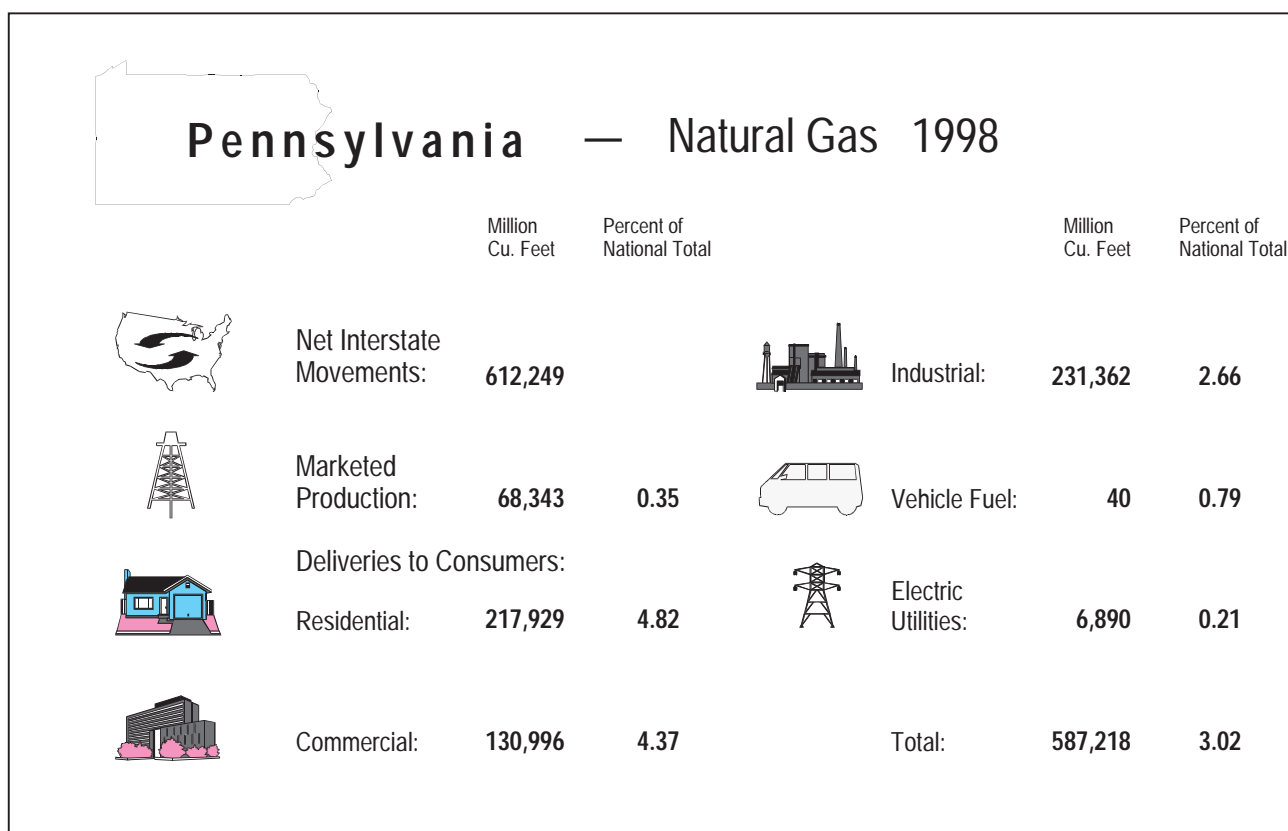


Table 85. Summary Statistics for Natural Gas — Pennsylvania, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,800	1,482	1,696	1,852	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	20,296	31,025	31,792	32,692	21,576
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	120,506	111,000	135,000	80,000	68,343
From Oil Wells.....	0	0	0	0	0
Total.....	120,506	111,000	135,000	80,000	68,343
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	120,506	111,000	135,000	80,000	68,343
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	120,506	111,000	135,000	80,000	68,343
Extraction Loss.....	513	582	603	734	732
Total Dry Production.....	119,993	110,418	134,397	79,266	67,611
Supply (million cubic feet)					
Dry Production.....	119,993	110,418	134,397	79,266	67,611
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,165,861	2,718,075	2,650,265	2,477,537	2,203,403
Withdrawals from Storage					
Underground Storage.....	340,334	396,393	316,757	341,168	288,109
LNG Storage	5,030	3,921	4,722	5,852	4,559
Supplemental Gas Supplies.....	252	75	266	135	80
Balancing Item.....	-111,958	-188,486	-192,298	R-104,240	-17,942
Total Supply.....	2,519,513	3,040,396	2,914,109	R2,799,718	2,545,820

See footnotes at end of table.

Table 85. Summary Statistics for Natural Gas — Pennsylvania, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	697,232	721,433	727,963	R693,666	621,456
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,476,943	1,982,831	1,804,267	1,788,650	1,591,154
Additions to Storage					
Underground Storage	339,512	332,608	376,290	312,787	328,118
LNG Storage	5,826	3,523	5,590	4,615	5,092
Total Disposition	2,519,513	3,040,396	2,914,109	R2,799,718	2,545,820
Consumption (million cubic feet)					
Lease Fuel	3,136	2,888	3,082	2,022	1,484
Pipeline Fuel	37,959	37,869	40,642	39,173	32,532
Plant Fuel	116	181	217	253	222
Delivered to Consumers					
Residential	268,405	262,126	278,606	262,494	217,929
Commercial	138,473	143,735	154,642	144,084	130,996
Industrial	236,417	249,928	243,499	238,220	231,362
Vehicle Fuel	10	10	35	50	40
Electric Utilities	12,716	24,697	7,239	R7,370	6,890
Total Delivered to Consumers	656,021	680,495	684,022	R652,219	587,218
Total Consumption	697,232	721,433	727,963	R693,666	621,456
Delivered for the Account of Others (million cubic feet)					
Residential	998	211	245	5,062	16,617
Commercial	35,514	45,481	45,809	52,464	56,528
Industrial	187,980	209,372	198,545	204,331	201,211
Electric Utilities	8,948	24,181	5,056	5,493	7,084
Firm Deliveries (million cubic feet)					
Residential	268,405	262,126	278,606	262,494	217,929
Commercial	124,236	129,771	134,732	129,248	113,864
Industrial	172,414	184,624	180,509	176,010	162,739
Electric Utilities	6,195	3,549	1,662	1,333	3,695
Vehicle Fuel	7	5	23	34	20
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	14,237	13,964	19,910	14,836	17,132
Industrial	64,003	65,304	62,990	62,210	68,623
Electric Utilities	7,958	22,028	4,147	4,701	4,030
Vehicle Fuel	3	4	11	16	20
Number of Consumers					
Residential	2,393,053	2,413,715	2,431,909	2,452,524	2,493,639
Commercial	206,812	209,245	214,340	215,057	216,519
Industrial	6,388	6,328	6,441	6,495	6,740
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	112	109	115	107	87
Commercial	670	687	721	670	605
Industrial	37,010	39,496	37,805	36,677	34,327
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.76	2.84	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.47	2.00	2.71	2.72	2.08
City Gate	3.46	3.09	2.68	4.09	4.12
Delivered to Consumers					
Residential	7.44	7.16	7.38	8.33	8.45
Commercial	6.50	6.28	6.44	7.35	7.43
Industrial	4.01	3.90	4.12	4.61	4.15
Vehicle Fuel	6.46	7.24	4.14	5.00	5.02
Electric Utilities	2.36	2.04	2.85	3.02	3.26

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quan-

ty and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.





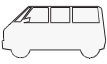



		Rhode Island		— Natural Gas 1998			
		Million Cu. Feet	Percent of National Total	Million Cu. Feet	Percent of National Total		
							
	Net Interstate Movements:	95,207			Industrial:	42,278	0.49
	Marketed Production:	0	0.00		Vehicle Fuel:	6	0.12
	Deliveries to Consumers:						
	Residential:	16,461	0.36		Electric Utilities:	15,589	0.48
	Commercial:	11,477	0.38		Total:	85,811	0.44

Table 86. Summary Statistics for Natural Gas — Rhode Island, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	184,516	251,800	243,047	221,909	201,303
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	996	908	1,603	1,533	851
Supplemental Gas Supplies.....	0	27	42	18	1
Balancing Item.....	12,678	-30,041	-24,660	R-16,427	-9,810
Total Supply.....	198,189	222,694	220,031	R207,033	192,345

See footnotes at end of table.

Table 86. Summary Statistics for Natural Gas — Rhode Island, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	71,267	70,137	82,725	^R 82,936	86,147
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	125,766	151,700	136,456	123,040	106,096
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	1,156	857	850	1,056	102
Total Disposition	198,189	222,694	220,031	^R207,033	192,345
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	366	617	685	837	336
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	17,384	17,342	18,839	18,162	16,461
Commercial	12,049	12,064	12,298	12,303	11,477
Industrial	40,921	35,109	25,829	24,472	42,278
Vehicle Fuel	1	2	3	3	6
Electric Utilities	546	5,002	25,071	^R 27,160	15,589
Total Delivered to Consumers	70,901	69,520	82,041	^R82,100	85,811
Total Consumption	71,267	70,137	82,725	^R82,936	86,147
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	0	0	1,010	2,405	4,679
Industrial	37,257	31,211	21,472	20,203	39,163
Electric Utilities	0	0	25,046	27,298	22,984
Firm Deliveries (million cubic feet)					
Residential	17,384	17,342	18,839	18,162	16,461
Commercial	10,524	11,206	12,105	12,272	11,475
Industrial	39,723	33,885	24,759	23,613	36,335
Electric Utilities	0	0	25,046	27,298	22,984
Vehicle Fuel	1	2	3	3	6
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	1,525	858	193	31	2
Industrial	1,197	1,224	1,071	859	5,943
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	200,959	202,947	204,259	212,777	208,208
Commercial	21,208	21,472	21,664	21,862	22,136
Industrial	1,064	359	363	336	325
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	87	85	92	85	79
Commercial	568	562	568	563	518
Industrial	38,459	97,798	71,156	72,834	130,086
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.69	2.21	3.35	3.15	3.00
City Gate	4.17	3.57	4.41	4.49	3.78
Delivered to Consumers					
Residential	9.12	8.02	8.49	9.61	9.56
Commercial	7.57	6.41	7.50	8.21	8.12
Industrial	4.43	4.09	4.67	4.33	3.82
Vehicle Fuel	7.09	5.85	3.34	5.27	5.15
Electric Utilities	2.29	1.90	2.29	3.35	3.38

^R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

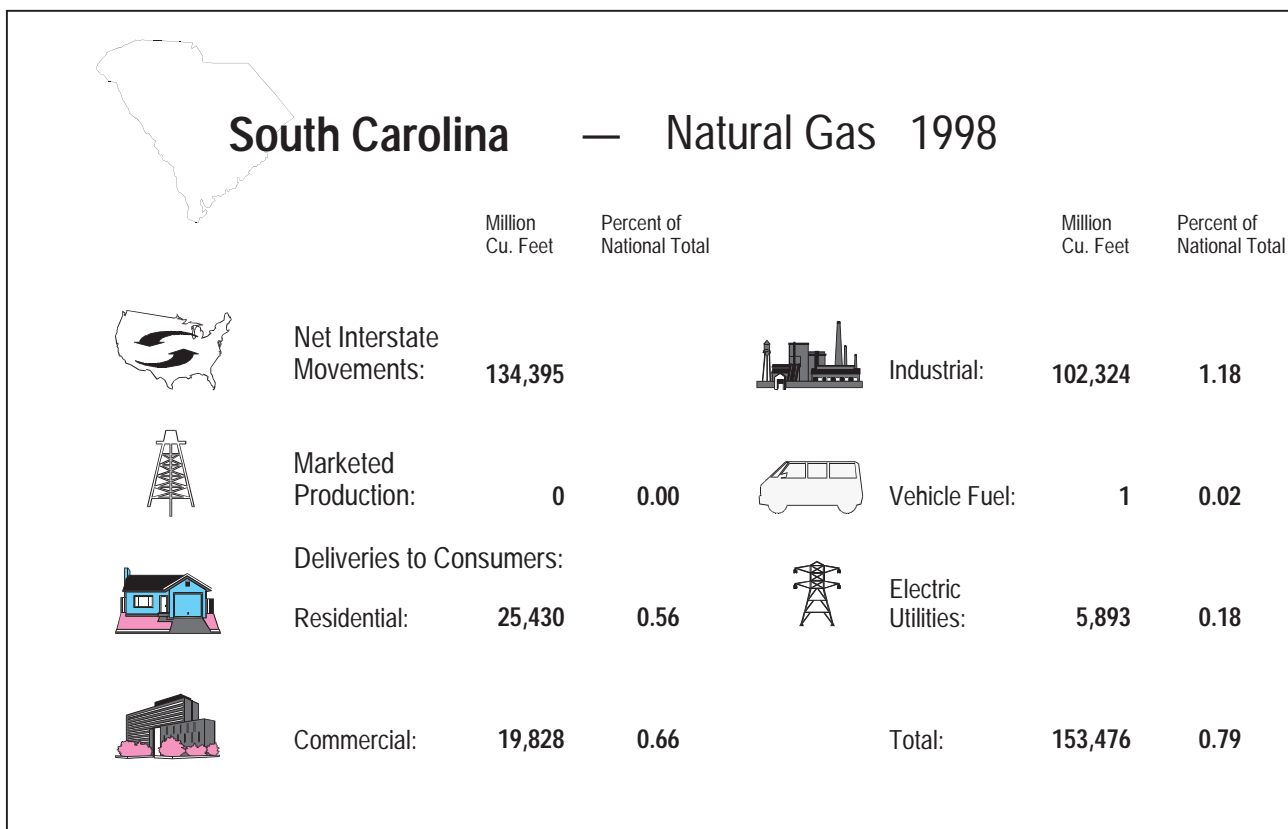


Table 87. Summary Statistics for Natural Gas — South Carolina, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,025,779	1,053,357	1,102,786	1,105,842	1,091,920
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	682	754	910	461	406
Supplemental Gas Supplies.....	154	62	178	10	0
Balancing Item.....	14,766	4,985	12,094	19,228	21,894
Total Supply.....	1,041,381	1,059,158	1,115,967	R1,125,542	1,114,220

See footnotes at end of table.

Table 87. Summary Statistics for Natural Gas — South Carolina, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	144,526	151,915	149,572	R153,902	156,639
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	896,007	906,316	965,420	971,634	957,525
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	847	927	976	6	56
Total Disposition	1,041,381	1,059,158	1,115,967	R1,125,542	1,114,220
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	2,663	2,934	3,138	2,940	3,163
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	23,486	25,164	29,406	25,741	25,430
Commercial	17,870	18,868	20,328	19,560	19,828
Industrial	97,500	98,332	95,493	102,929	102,324
Vehicle Fuel	2	1	1	1	1
Electric Utilities	3,005	6,615	1,206	2,731	5,893
Total Delivered to Consumers	141,863	148,980	146,434	R150,962	153,476
Total Consumption	144,526	151,915	149,572	R153,902	156,639
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	265	688	199	235	412
Industrial	22,755	18,336	13,562	13,525	13,602
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	23,486	25,164	29,406	25,741	25,430
Commercial	14,435	15,127	16,555	15,421	15,469
Industrial	17,424	18,452	17,983	18,483	20,042
Electric Utilities	60	72	3	0	0
Vehicle Fuel	2	1	1	1	1
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	3,435	3,740	3,773	4,139	4,359
Industrial	80,076	79,880	77,510	84,446	82,282
Electric Utilities	2,961	12,663	1,715	2,709	6,109
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	416,773	412,259	426,088	443,093	460,141
Commercial	45,487	47,293	48,650	50,817	52,237
Industrial	1,928	1,802	1,759	1,764	1,728
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	56	61	69	58	55
Commercial	393	399	418	385	380
Industrial	50,571	54,568	54,288	58,350	59,215
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.06	1.80	2.54	3.28	2.55
City Gate	3.67	3.25	3.90	3.81	3.39
Delivered to Consumers					
Residential	7.65	7.54	7.41	8.37	8.30
Commercial	6.11	6.09	6.26	6.74	6.48
Industrial	3.32	3.11	3.77	3.72	3.29
Vehicle Fuel	3.40	4.67	2.87	5.17	0.19
Electric Utilities	1.71	1.64	4.56	4.07	3.62

R = Revised data.
 NA = Not available.
 — = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

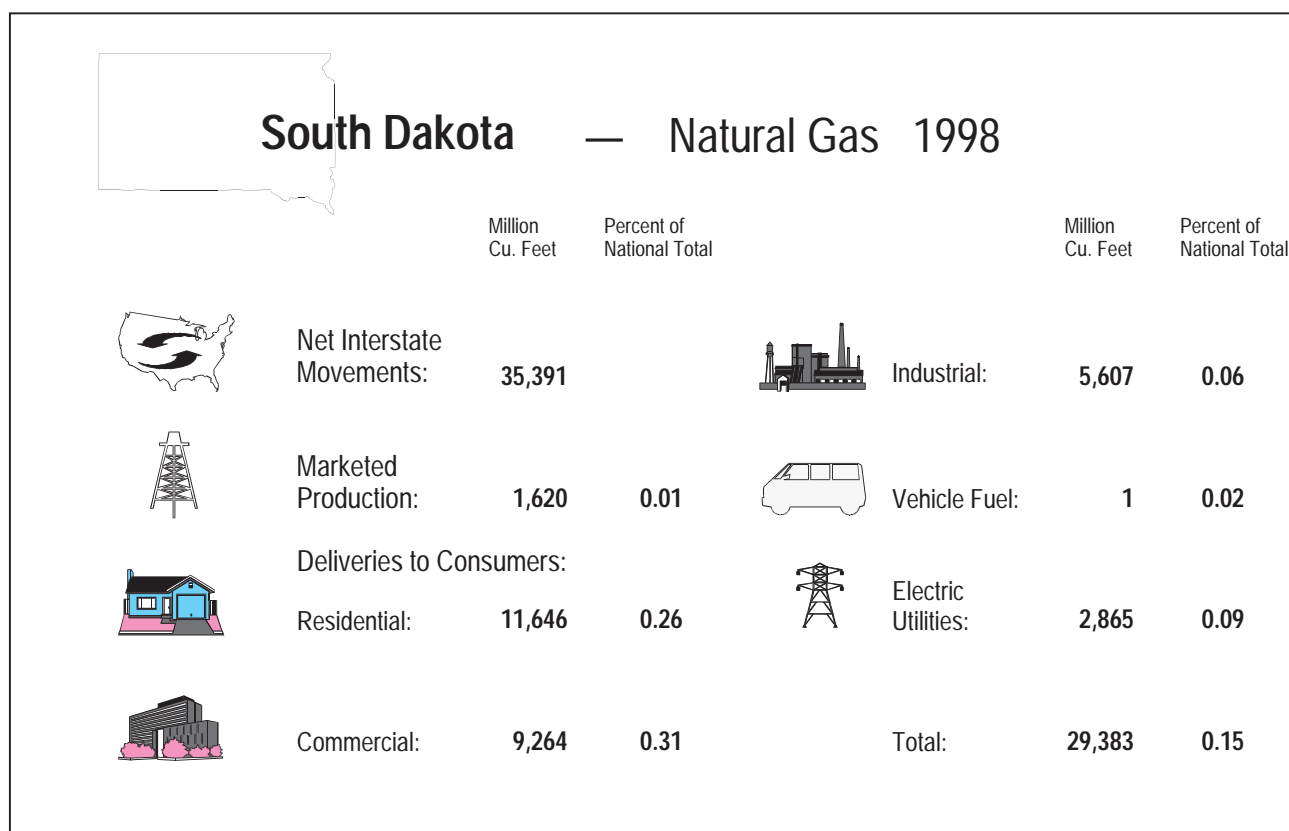


Table 88. Summary Statistics for Natural Gas — South Dakota, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	NA	NA	NA	NA	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	55	56	61	60	59
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	1,000	848	905	687	772
From Oil Wells.....	6,264	7,526	8,061	9,107	8,480
Total.....	7,264	8,374	8,965	9,795	9,252
Repressuring	22	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	R6,557	6,106
Wet After Lease Separation	7,242	8,374	8,965	R3,237	3,146
Vented and Flared.....	5,805	7,122	7,636	R1,639	1,526
Marketed Production	1,437	1,252	1,329	R1,598	1,620
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	1,437	1,252	1,329	R1,598	1,620
Supply (million cubic feet)					
Dry Production.....	1,437	1,252	1,329	R1,598	1,620
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	613,908	638,002	656,552	648,098	633,863
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	143	0	53
Supplemental Gas Supplies.....	61	37	87	30	4
Balancing Item.....	-773	-960	-980	R-2,006	-3,987
Total Supply.....	614,633	638,331	657,130	R647,720	631,552

See footnotes at end of table.

Table 88. Summary Statistics for Natural Gas — South Dakota, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	30,980	34,292	36,905	R36,109	33,036
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	583,653	604,039	620,225	611,611	598,472
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	0	0	0	0	44
Total Disposition	614,633	638,331	657,130	R647,720	631,552
Consumption (million cubic feet)					
Lease Fuel	437	404	424	R911	848
Pipeline Fuel	2,541	2,724	2,887	2,910	2,805
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	12,056	12,610	14,085	13,203	11,646
Commercial	10,274	10,685	11,598	10,422	9,264
Industrial	5,508	6,933	7,182	6,928	5,607
Vehicle Fuel	5	4	4	5	1
Electric Utilities	159	931	725	R1,731	2,865
Total Delivered to Consumers	28,002	31,164	33,594	R32,289	29,383
Total Consumption	30,980	34,292	36,905	R36,109	33,036
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	1	1	0
Commercial	1,124	1,406	2,008	1,742	1,466
Industrial	3,449	5,017	5,414	5,257	3,609
Electric Utilities	64	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	12,056	12,610	14,085	13,203	11,646
Commercial	9,491	9,868	10,698	9,663	8,515
Industrial	2,571	2,835	2,960	2,885	2,946
Electric Utilities	0	0	0	0	240
Vehicle Fuel	5	4	4	5	1
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	784	816	900	759	748
Industrial	2,936	4,098	4,222	4,043	2,661
Electric Utilities	64	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	119,544	124,152	127,269	130,307	133,095
Commercial	15,539	16,285	16,880	17,432	17,972
Industrial	381	396	444	481	464
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	101	102	111	101	87
Commercial	661	656	687	598	515
Industrial	14,456	17,509	16,176	14,404	12,084
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.73	1.59	—	2.09	2.47
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.36	1.03	1.75	2.13	1.68
City Gate	3.35	2.88	3.19	3.65	3.24
Delivered to Consumers					
Residential	5.27	5.05	5.25	5.75	5.59
Commercial	4.35	3.99	4.20	4.71	4.43
Industrial	3.72	3.44	3.50	4.02	3.28
Vehicle Fuel	3.17	3.89	3.76	3.48	4.95
Electric Utilities	2.65	1.58	2.36	NA	1.77

R = Revised data.
 NA = Not available.
 — = Not applicable.
Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.
Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

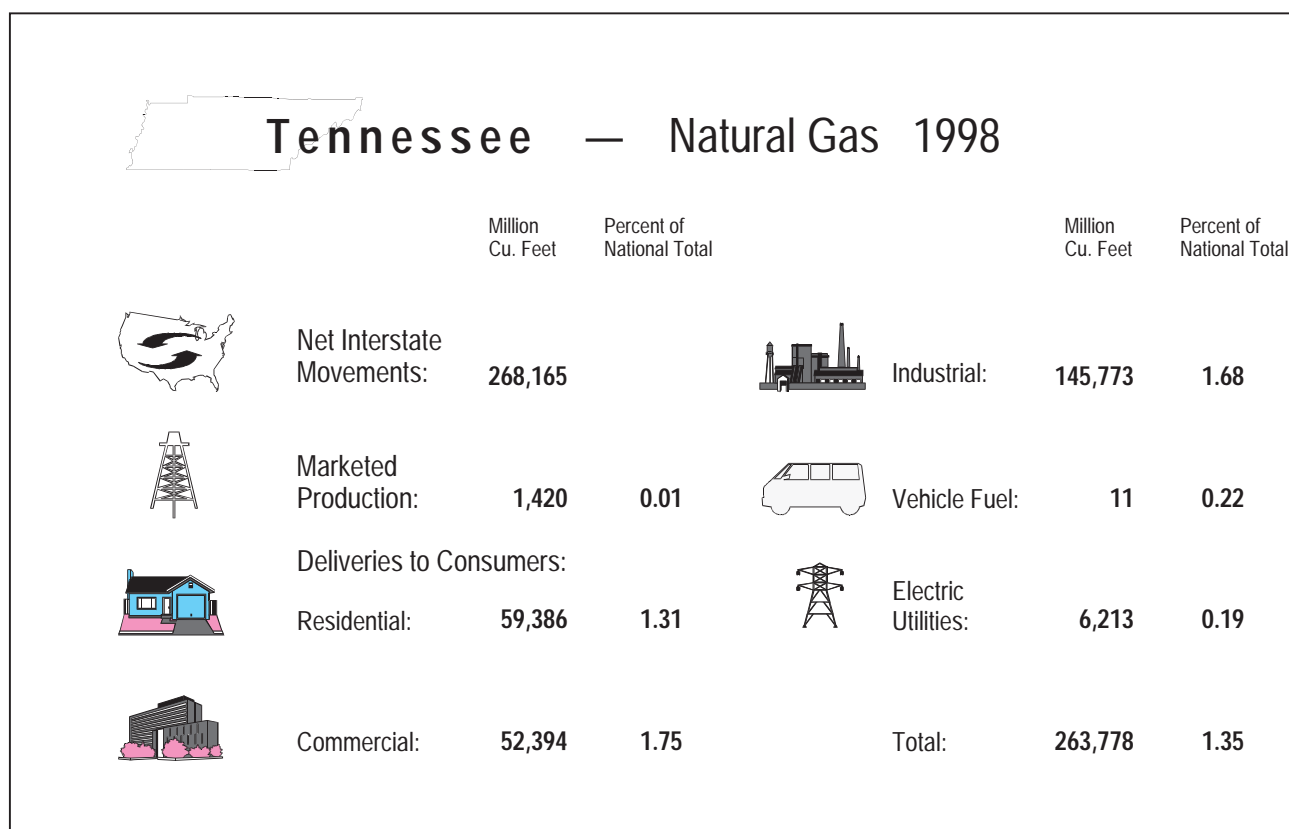


Table 89. Summary Statistics for Natural Gas — Tennessee, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	NA	NA	NA	NA	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	505	460
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	1,990	1,820	1,690	1,510	1,420
Total.....	1,990	1,820	1,690	1,510	1,420
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	1,990	1,820	1,690	1,510	1,420
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	1,990	1,820	1,690	1,510	1,420
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	1,990	1,820	1,690	1,510	1,420
Supply (million cubic feet)					
Dry Production.....	1,990	1,820	1,690	1,510	1,420
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	3,878,897	4,027,113	4,272,871	3,868,295	3,328,150
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	391
LNG Storage	2,879	3,035	3,985	2,416	3,562
Supplemental Gas Supplies.....	84	33	73	19	4
Balancing Item.....	24,107	-14,215	-44,277	R-16,305	8,976
Total Supply.....	3,907,957	4,017,785	4,234,342	R3,855,936	3,342,502

See footnotes at end of table.

Table 89. Summary Statistics for Natural Gas — Tennessee, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	246,157	256,843	280,311	^R 282,378	280,249
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	3,658,815	3,758,529	3,951,222	3,571,683	3,059,985
Additions to Storage					
Underground Storage	0	0	0	0	453
LNG Storage	2,985	2,414	2,809	1,875	1,816
Total Disposition	3,907,957	4,017,785	4,234,342	^R3,855,936	3,342,502
Consumption (million cubic feet)					
Lease Fuel	44	47	37	45	31
Pipeline Fuel	18,106	17,696	24,221	22,559	16,440
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	57,334	59,994	70,423	64,130	59,386
Commercial	50,760	51,235	58,497	55,117	52,394
Industrial	118,889	125,814	126,545	138,877	145,773
Vehicle Fuel	5	3	15	13	11
Electric Utilities	1,019	2,055	572	^R 1,636	6,213
Total Delivered to Consumers	228,007	239,100	256,053	259,773	263,778
Total Consumption	246,157	256,843	280,311	^R282,378	280,249
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	2,992	3,163	3,316	4,312	6,635
Industrial	64,615	65,914	67,050	85,683	96,672
Electric Utilities	498	1,414	425	1,906	6,058
Firm Deliveries (million cubic feet)					
Residential	57,057	59,994	70,423	64,130	59,386
Commercial	46,932	47,235	53,058	48,995	47,269
Industrial	44,500	47,941	52,137	63,370	63,394
Electric Utilities	0	0	0	0	0
Vehicle Fuel	5	3	15	13	11
Interruptible Deliveries (million cubic feet)					
Residential	277	0	0	0	0
Commercial	3,829	4,000	5,440	6,122	5,125
Industrial	74,389	77,873	74,408	75,507	82,379
Electric Utilities	971	2,127	688	1,906	6,058
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	768,421	804,724	841,232	867,793	905,757
Commercial	97,943	101,561	103,867	105,925	109,772
Industrial	2,440	2,393	2,306	2,394	5,219
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	75	75	84	74	66
Commercial	518	504	563	520	477
Industrial	48,725	52,576	54,877	58,011	27,931
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.16	1.54	2.54	2.55	2.15
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.88	1.59	2.57	2.52	2.17
City Gate	2.71	2.71	4.04	3.60	3.47
Delivered to Consumers					
Residential	6.13	5.77	6.26	6.91	6.73
Commercial	5.56	5.18	5.72	6.11	6.04
Industrial	3.84	3.34	3.92	4.18	3.94
Vehicle Fuel	5.69	5.08	5.49	5.59	4.98
Electric Utilities	1.20	2.28	2.61	NA	NA

^R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

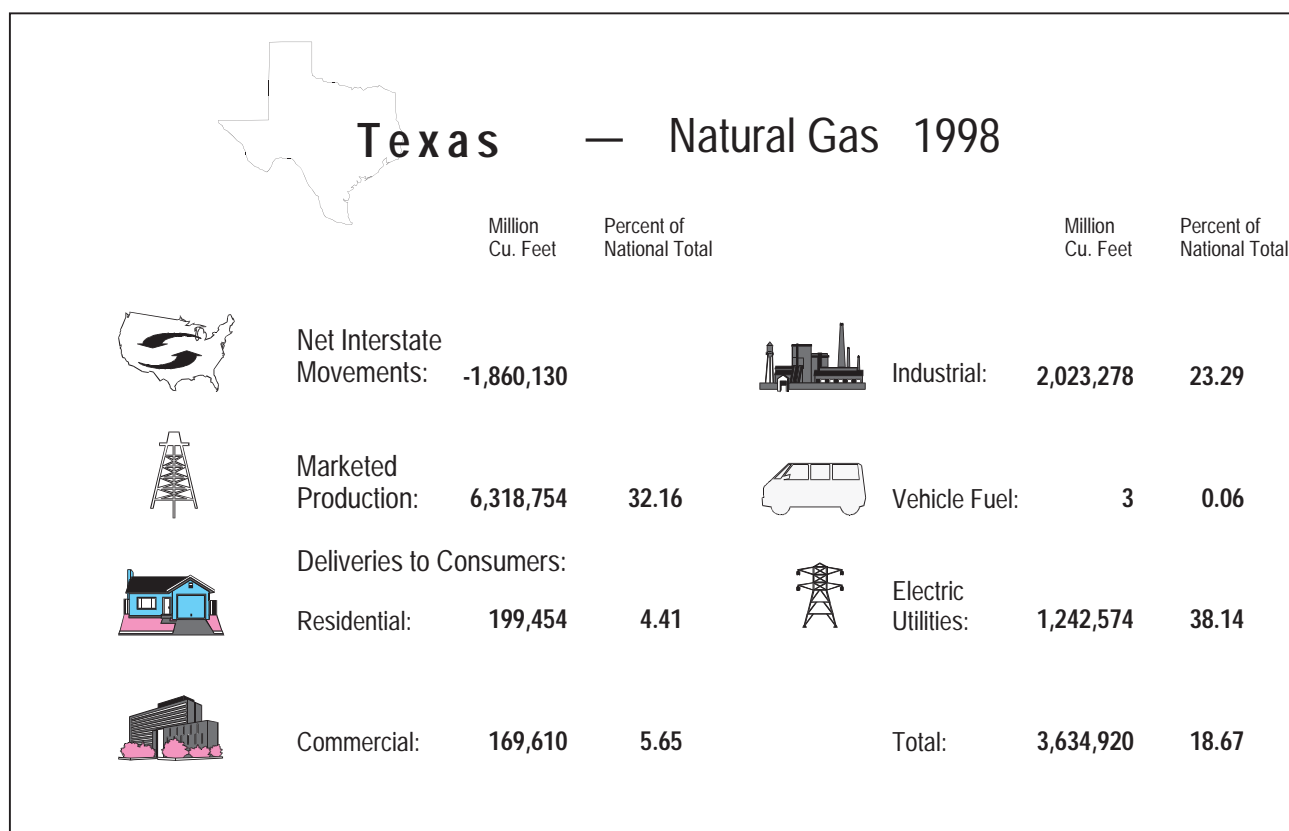


Table 90. Summary Statistics for Natural Gas — Texas, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	42,357	43,067	38,270	37,761	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	48,654	54,635	53,816	56,747	58,736
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	5,643,577	5,660,153	R5,843,635	5,865,930	5,826,161
From Oil Wells.....	1,268,127	1,212,503	R1,184,565	1,150,211	1,053,198
Total.....	6,911,705	6,872,656	R7,028,201	7,016,141	6,879,359
Repressuring	319,360	296,192	273,301	250,949	244,205
Nonhydrocarbon Gases Removed.....	196,463	200,233	238,897	263,397	290,931
Wet After Lease Separation	6,395,881	6,376,231	R6,516,003	6,501,795	6,344,223
Vented and Flared.....	42,037	46,183	45,382	47,922	25,469
Marketed Production	6,353,844	6,330,048	R6,470,620	6,453,873	6,318,754
Extraction Loss.....	381,020	381,712	398,442	391,174	388,011
Total Dry Production.....	5,972,824	5,948,336	R6,072,178	6,062,699	5,930,743
Supply (million cubic feet)					
Dry Production.....	5,972,824	5,948,336	R6,072,178	6,062,699	5,930,743
Receipts at State Borders					
Imports	7,013	6,722	13,862	17,243	14,532
Intransit Receipts	0	0	0	0	0
Interstate Receipts	603,826	853,812	941,088	824,731	734,541
Withdrawals from Storage					
Underground Storage.....	274,046	300,889	369,783	322,289	242,343
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	1	1	0	0	0
Balancing Item.....	-164,969	232,524	R343,909	R242,326	59,584
Total Supply.....	6,692,740	7,342,283	7,740,821	R7,469,287	6,981,743

See footnotes at end of table.

Table 90. Summary Statistics for Natural Gas — Texas, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	3,666,329	3,802,489	3,991,316	R3,950,555	4,028,080
Deliveries at State Borders					
Exports	44,041	61,241	30,435	34,163	46,933
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	2,672,096	3,203,828	3,413,156	3,172,315	2,562,270
Additions to Storage					
Underground Storage	310,273	274,724	305,914	312,254	344,461
LNG Storage	0	0	0	0	0
Total Disposition	6,692,740	7,342,283	7,740,821	R7,469,287	6,981,743
Consumption (million cubic feet)					
Lease Fuel	139,427	178,827	177,508	144,787	173,394
Pipeline Fuel	95,684	81,877	75,567	82,115	65,800
Plant Fuel	158,826	154,721	153,039	157,013	153,966
Delivered to Consumers					
Residential	213,433	206,415	229,318	234,988	199,454
Commercial	180,232	209,584	178,549	216,333	169,610
Industrial	1,829,478	1,923,763	2,138,155	2,058,755	2,023,278
Vehicle Fuel	45	29	24	15	3
Electric Utilities	1,049,205	1,047,274	1,039,155	R1,056,550	1,242,574
Total Delivered to Consumers	3,272,393	3,387,065	3,585,201	R3,566,640	3,634,920
Total Consumption	3,666,329	3,802,489	3,991,316	R3,950,555	4,028,080
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	31,742	65,911	29,469	83,494	32,280
Industrial	1,321,308	1,402,017	1,708,843	1,703,403	1,738,943
Electric Utilities	659,710	577,894	578,654	538,488	652,908
Firm Deliveries (million cubic feet)					
Residential	213,433	206,415	229,318	234,988	199,454
Commercial	167,798	154,451	164,788	204,671	162,793
Industrial	1,114,766	1,069,917	1,165,722	1,177,378	1,202,173
Electric Utilities	512,960	410,160	479,907	478,433	582,568
Vehicle Fuel	6	2	21	14	1
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	12,433	55,133	13,761	11,662	6,817
Industrial	714,712	853,846	972,433	881,377	821,105
Electric Utilities	478,646	473,726	419,121	383,483	420,730
Vehicle Fuel	40	27	3	1	1
Number of Consumers					
Residential	3,350,314	3,446,120	3,501,853	3,543,027	3,600,505
Commercial	306,376	325,785	329,287	332,077	320,922
Industrial	5,222	9,043	8,796	8,178	8,290
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	64	60	65	66	55
Commercial	588	643	542	651	529
Industrial	350,341	212,735	243,083	251,743	244,062
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.89	1.61	2.29	2.48	2.06
Imports	1.99	1.53	2.25	2.31	2.03
Exports	1.68	1.49	2.13	2.46	2.03
Pipeline Fuel	1.64	1.64	2.40	2.36	2.02
City Gate	3.00	2.95	3.22	3.66	2.63
Delivered to Consumers					
Residential	5.99	5.92	5.89	6.32	6.16
Commercial	4.33	4.09	4.27	4.91	4.44
Industrial	2.20	1.89	2.58	2.82	2.35
Vehicle Fuel	3.41	2.88	3.34	3.17	1.77
Electric Utilities	2.20	1.93	2.51	2.69	2.30

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

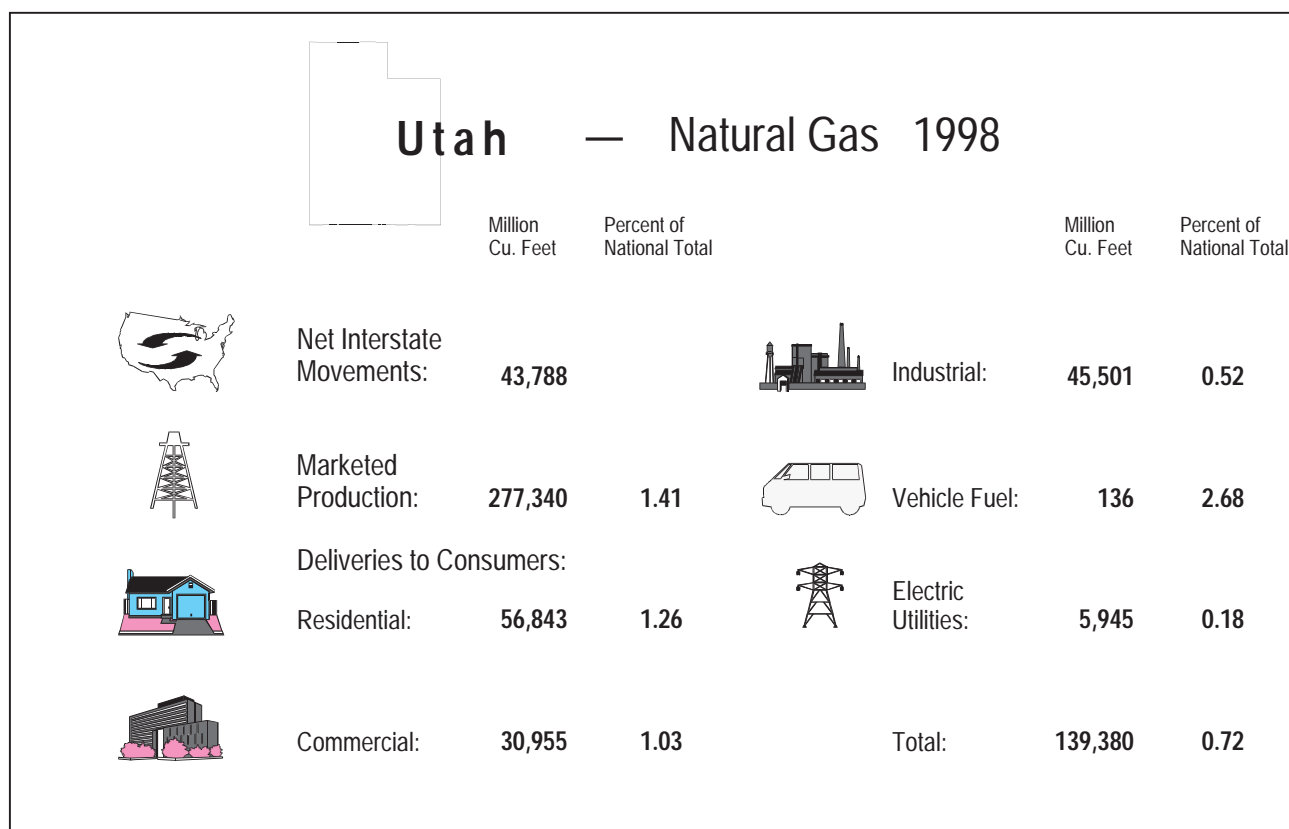


Table 91. Summary Statistics for Natural Gas — Utah, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,789	1,580	1,633	1,839	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	1,303	1,127	1,339	1,475	1,643
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	304,347	262,400	233,594	231,368	253,761
From Oil Wells.....	42,672	40,833	47,614	43,552	43,504
Total.....	347,019	303,233	281,208	274,920	297,265
Repressuring	72,798	26,874	3,165	990	559
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	274,221	276,358	278,044	273,930	296,706
Vented and Flared.....	3,363	35,069	27,277	16,790	19,365
Marketed Production	270,858	241,290	250,767	257,139	277,340
Extraction Loss.....	13,780	13,679	10,970	17,872	11,801
Total Dry Production.....	257,078	227,611	239,797	239,267	265,539
Supply (million cubic feet)					
Dry Production.....	257,078	227,611	239,797	239,267	265,539
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	444,646	431,245	420,103	443,318	420,012
Withdrawals from Storage					
Underground Storage.....	22,921	32,084	45,323	35,231	24,420
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-104,650	-113,083	-121,524	-14,947	-140,370
Total Supply.....	619,996	577,857	583,698	702,870	569,602

See footnotes at end of table.

Table 91. Summary Statistics for Natural Gas — Utah, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	137,073	156,824	160,371	165,159	169,634
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	440,415	388,831	390,959	494,909	376,224
Additions to Storage					
Underground Storage	42,508	32,201	32,368	42,803	23,744
LNG Storage	0	0	0	0	0
Total Disposition	619,996	577,857	583,698	702,870	569,602
Consumption (million cubic feet)					
Lease Fuel	3,322	18,520	18,570	16,478	19,481
Pipeline Fuel	2,807	2,831	3,601	2,935	2,788
Plant Fuel	9,951	8,492	8,549	8,141	7,985
Delivered to Consumers					
Residential	48,922	48,975	54,344	58,108	56,843
Commercial	26,501	26,825	29,543	31,129	30,955
Industrial	36,618	42,373	42,213	44,162	45,501
Vehicle Fuel	52	100	122	128	136
Electric Utilities	8,900	8,707	3,428	R4,078	5,945
Total Delivered to Consumers	120,993	126,981	129,651	137,605	139,380
Total Consumption	137,073	156,824	160,371	165,159	169,634
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	4,438	4,892	5,360	5,222	5,427
Industrial	32,238	37,694	38,424	40,234	41,587
Electric Utilities	7,922	7,515	4,006	3,435	5,613
Firm Deliveries (million cubic feet)					
Residential	48,922	48,975	54,344	58,108	56,843
Commercial	20,273	20,102	22,811	24,442	24,152
Industrial	1,999	1,772	12,816	16,272	23,346
Electric Utilities	6,200	7,094	3,559	2,190	4,016
Vehicle Fuel	52	100	122	127	136
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	6,228	6,723	6,733	6,687	6,803
Industrial	34,619	40,601	29,397	27,890	22,155
Electric Utilities	1,756	457	506	1,279	1,635
Vehicle Fuel	0	0	1	1	1
Number of Consumers					
Residential	503,583	523,622	562,343	567,786	588,364
Commercial	39,183	40,101	40,107	40,689	42,054
Industrial	252	713	923	3,379	3,597
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	97	94	97	102	97
Commercial	676	669	737	765	736
Industrial	145,310	59,430	45,734	13,070	12,650
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.54	1.15	1.39	1.86	1.73
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.94	1.57	1.68	2.20	2.04
City Gate	3.31	2.88	2.25	2.79	3.22
Delivered to Consumers					
Residential	4.96	4.74	4.47	5.13	5.57
Commercial	3.84	3.64	3.38	3.91	4.34
Industrial	2.74	2.34	2.10	2.55	3.00
Vehicle Fuel	4.90	4.73	4.49	5.37	5.42
Electric Utilities	2.42	2.26	1.83	2.09	2.11

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quan-

ty and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

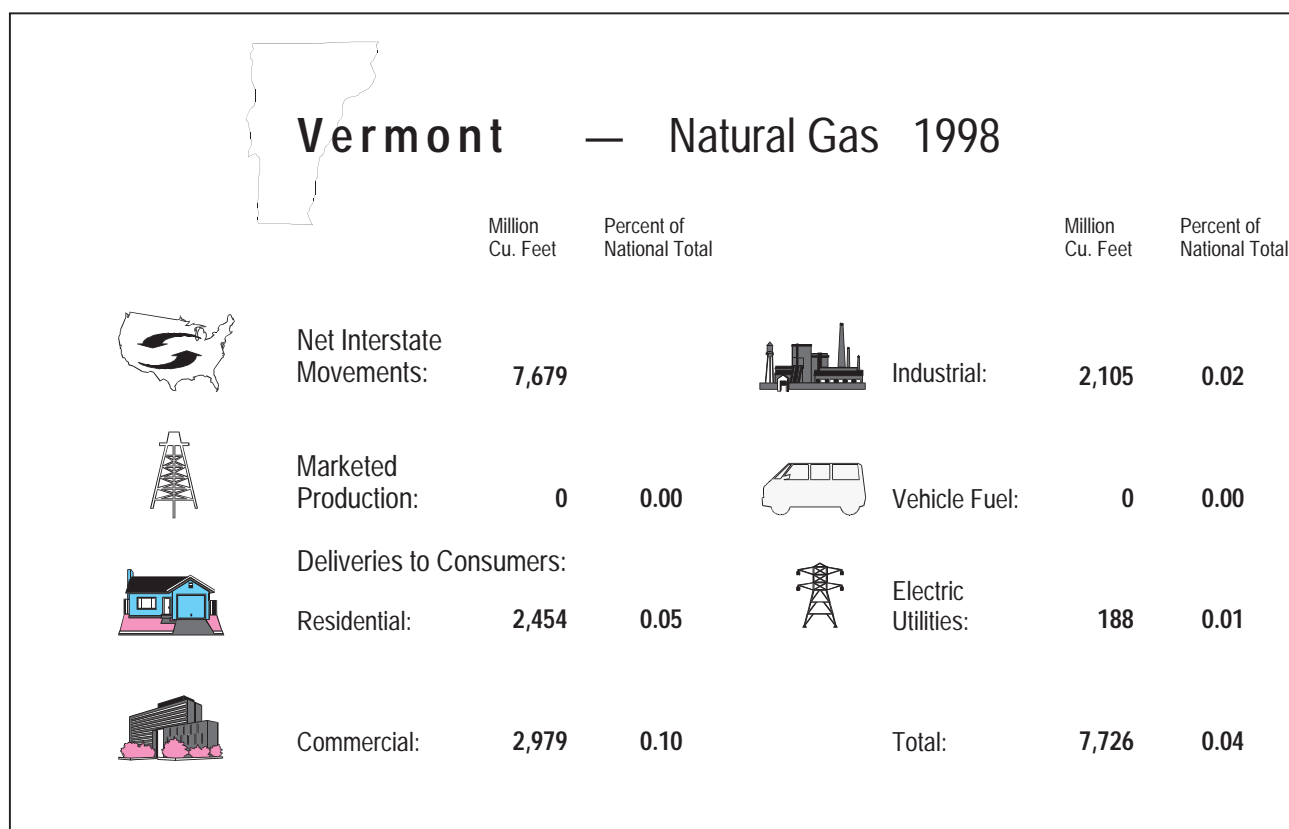


Table 92. Summary Statistics for Natural Gas — Vermont, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	18,091	18,429	18,736	19,343	18,998
Intransit Receipts	0	0	0	0	0
Interstate Receipts	0	0	0	0	0
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	9	4	5	6	0
Balancing Item.....	-12	-1,823	-3,470	-3,153	55
Total Supply.....	18,088	16,610	15,270	16,195	19,053

See footnotes at end of table.

Table 92. Summary Statistics for Natural Gas — Vermont, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	7,299	7,275	7,333	8,061	7,734
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	10,789	9,335	7,937	8,134	11,319
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	18,088	16,610	15,270	16,195	19,053
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	3	7	8	9	8
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential.....	2,438	2,299	2,523	2,631	2,454
Commercial	2,669	2,672	2,825	3,051	2,979
Industrial.....	2,023	2,159	1,953	2,334	2,105
Vehicle Fuel.....	0	0	0	0	0
Electric Utilities.....	166	138	24	36	188
Total Delivered to Consumers	7,297	7,268	7,325	8,052	7,726
Total Consumption.....	7,299	7,275	7,333	8,061	7,734
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial.....	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential.....	2,438	2,299	2,523	2,631	2,454
Commercial	2,669	2,672	2,825	3,051	2,979
Industrial.....	116	131	133	159	0
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial.....	1,908	2,028	1,820	2,176	2,105
Electric Utilities.....	165	138	24	35	210
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	22,546	23,523	24,383	25,539	26,664
Commercial	3,512	3,649	3,790	3,928	4,034
Industrial.....	24	23	27	30	36
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	108	98	103	103	92
Commercial	760	732	745	777	739
Industrial.....	84,307	93,854	72,327	77,807	58,461
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	2.14	2.53	2.97	2.83	2.62
Exports	—	—	—	—	—
Pipeline Fuel.....	2.89	1.05	1.09	1.09	1.40
City Gate	3.11	2.61	2.74	2.33	2.58
Delivered to Consumers					
Residential.....	6.94	6.82	6.40	6.41	6.54
Commercial	5.60	5.43	5.24	5.18	5.08
Industrial.....	3.47	3.39	3.44	3.07	2.80
Vehicle Fuel.....	—	—	—	—	—
Electric Utilities.....	2.31	1.95	3.22	3.16	2.90

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

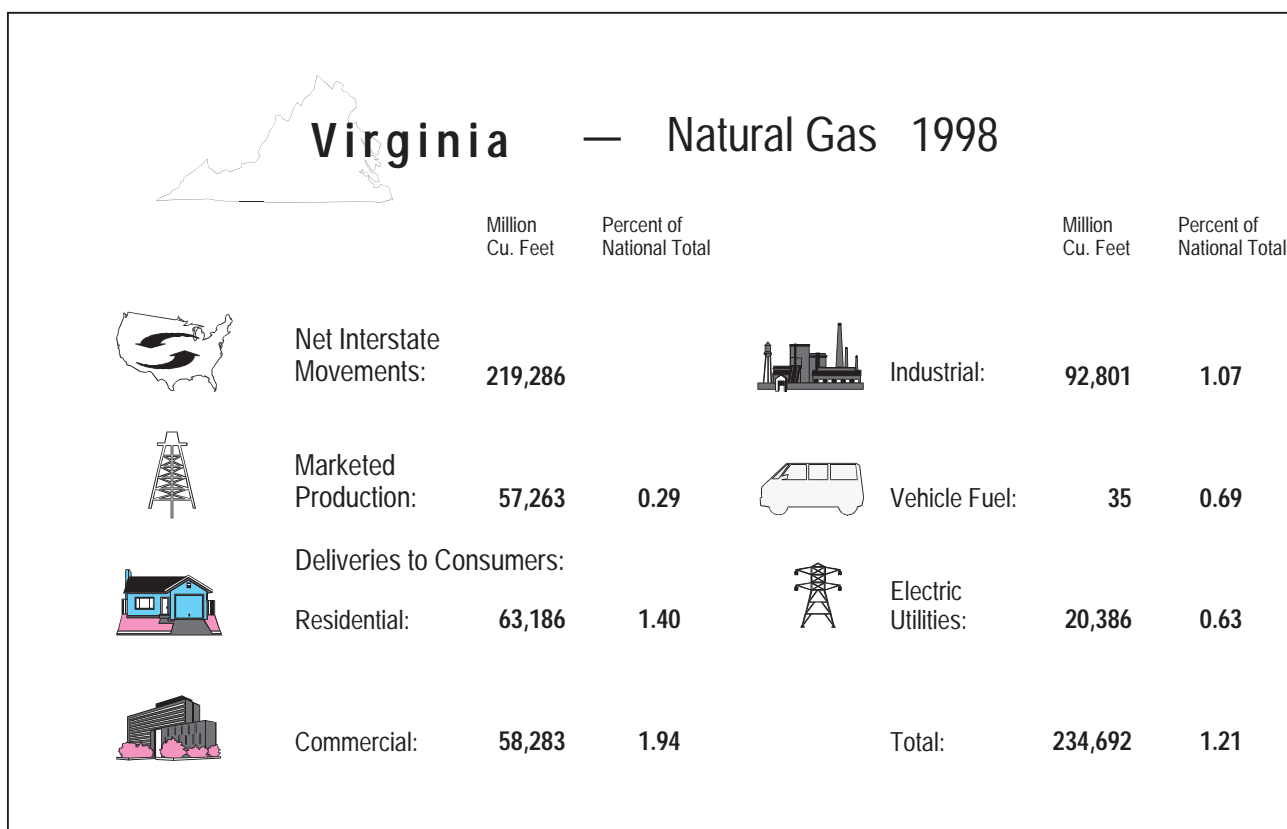


Table 93. Summary Statistics for Natural Gas — Virginia, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,833	1,836	1,930	2,446	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	1,470	1,671	1,671	2,046	2,388
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	50,259	49,818	54,290	58,249	57,263
From Oil Wells.....	0	0	0	0	0
Total.....	50,259	49,818	54,290	58,249	57,263
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	50,259	49,818	54,290	58,249	57,263
Vented and Flared.....	0	0	0	0	0
Marketed Production	50,259	49,818	54,290	58,249	57,263
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	50,259	49,818	54,290	58,249	57,263
Supply (million cubic feet)					
Dry Production.....	50,259	49,818	54,290	58,249	57,263
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,025,827	1,055,691	1,074,350	1,120,061	1,091,838
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	1,859
LNG Storage	236	1,276	1,614	988	774
Supplemental Gas Supplies.....	1,195	445	716	350	148
Balancing Item.....	38,265	-8,362	-22,638	R-30,327	-33,538
Total Supply.....	1,115,782	1,098,868	1,108,332	R1,149,320	1,118,345

See footnotes at end of table.

Table 93. Summary Statistics for Natural Gas — Virginia, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	230,562	247,198	239,100	R241,391	242,792
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	885,104	850,457	867,600	906,833	872,552
Additions to Storage					
Underground Storage	0	0	0	0	2,369
LNG Storage	116	1,214	1,631	1,096	632
Total Disposition	1,115,782	1,098,868	1,108,332	R1,149,320	1,118,345
Consumption (million cubic feet)					
Lease Fuel	1,102	1,296	1,183	1,330	1,243
Pipeline Fuel	6,338	6,286	7,777	7,387	6,856
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	65,176	68,712	76,214	73,905	63,186
Commercial	52,944	56,948	59,262	61,895	58,283
Industrial	85,764	97,499	84,357	85,264	92,801
Vehicle Fuel	20	43	32	37	35
Electric Utilities	19,219	16,414	10,275	R11,572	20,386
Total Delivered to Consumers	223,122	239,616	230,140	R232,674	234,692
Total Consumption	230,562	247,198	239,100	R241,391	242,792
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	234
Commercial	7,039	9,062	8,712	13,705	16,267
Industrial	67,341	83,030	69,163	74,182	80,885
Electric Utilities	26,706	20,462	14,366	10,787	57,441
Firm Deliveries (million cubic feet)					
Residential	65,176	68,712	76,214	73,905	63,186
Commercial	39,093	41,333	44,943	44,941	43,405
Industrial	51,312	59,471	52,809	54,843	64,323
Electric Utilities	17,932	13,613	8,632	8,161	52,730
Vehicle Fuel	18	6	10	21	25
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	13,851	15,615	14,319	16,954	14,878
Industrial	34,452	38,028	31,548	30,421	28,478
Electric Utilities	8,865	6,849	5,770	2,642	4,712
Vehicle Fuel	2	36	21	16	10
Number of Consumers					
Residential	721,495	753,003	789,985	812,866	847,938
Commercial	72,188	74,690	77,284	78,986	77,220
Industrial	2,740	2,812	2,822	2,391	2,469
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	90	91	96	91	75
Commercial	733	762	767	784	755
Industrial	31,301	34,672	29,893	35,660	37,587
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.15	1.72	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.14	1.83	2.60	3.22	2.59
City Gate	3.44	2.92	3.89	4.14	3.74
Delivered to Consumers					
Residential	7.63	7.18	7.94	8.60	8.57
Commercial	5.67	5.08	5.93	6.45	6.12
Industrial	3.15	3.35	4.07	4.68	4.07
Vehicle Fuel	2.57	2.30	2.80	5.05	5.09
Electric Utilities	2.66	2.67	2.98	2.93	3.10

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

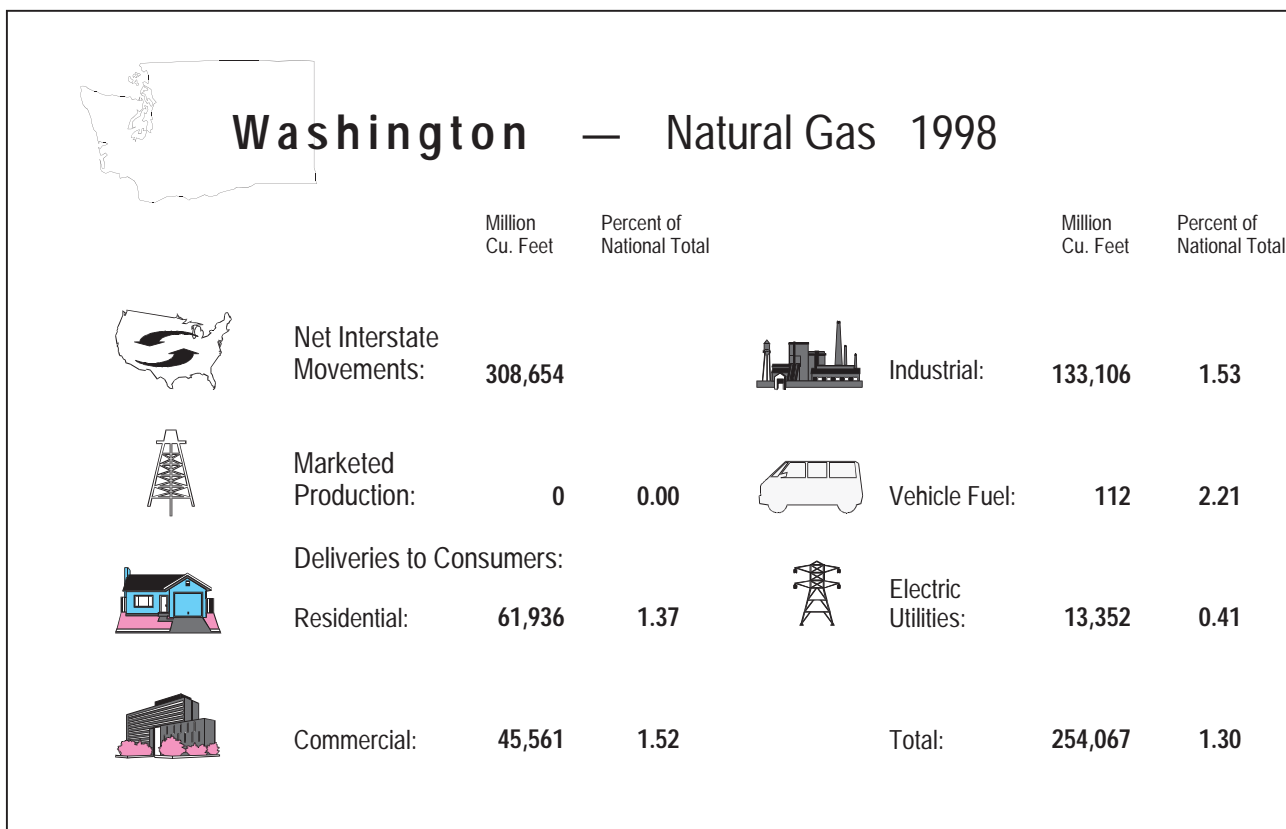


Table 94. Summary Statistics for Natural Gas — Washington, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	320,362	335,866	356,711	360,261	374,666
Intransit Receipts	0	0	0	0	0
Interstate Receipts	713,101	804,621	823,997	867,820	892,082
Withdrawals from Storage					
Underground Storage.....	17,133	15,452	22,192	19,015	22,597
LNG Storage	1,701	2,055	2,356	2,145	1,779
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-52,630	-34,861	-36,154	R-41,479	-45,839
Total Supply.....	999,668	1,123,134	1,169,102	R1,207,762	1,245,285

See footnotes at end of table.

Table 94. Summary Statistics for Natural Gas — Washington, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	212,782	220,427	238,639	^R 231,227	263,153
Deliveries at State Borders					
Exports	0	0	0	0	208
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	765,840	882,385	906,604	954,325	957,886
Additions to Storage					
Underground Storage	18,705	17,815	20,124	20,018	23,136
LNG Storage	2,340	1,902	2,284	2,193	902
Total Disposition	999,668	1,122,529	1,167,651	^R1,207,762	1,245,285
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	6,437	8,636	6,871	8,836	9,087
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	53,144	52,763	62,689	61,813	61,936
Commercial	42,982	42,568	48,139	46,686	45,561
Industrial	107,603	109,997	114,236	111,159	133,106
Vehicle Fuel	155	107	113	116	112
Electric Utilities	2,461	6,356	6,590	^R 2,618	13,352
Total Delivered to Consumers	206,346	211,791	231,767	^R222,391	254,067
Total Consumption	212,782	220,427	238,639	^R231,227	263,153
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	1,993	3,514	6,795	7,440	6,026
Industrial	62,877	73,798	86,332	85,079	106,345
Electric Utilities	2,328	2,084	6,589	2,518	6,344
Firm Deliveries (million cubic feet)					
Residential	53,144	52,763	62,689	61,813	61,936
Commercial	34,631	33,710	38,230	35,768	34,755
Industrial	48,545	47,261	94,879	87,356	109,200
Electric Utilities	2,307	1,682	5,525	2,518	4,585
Vehicle Fuel	60	17	13	16	12
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	8,352	8,858	9,909	10,918	10,807
Industrial	59,059	62,735	19,357	23,803	23,906
Electric Utilities	20	402	1,064	0	1,759
Vehicle Fuel	95	90	100	100	100
Number of Consumers					
Residential	604,315	638,603	673,357	702,701	737,208
Commercial	68,118	70,781	73,708	75,550	77,770
Industrial	3,586	3,544	3,587	3,748	3,848
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	88	83	93	88	84
Commercial	631	601	653	618	586
Industrial	30,007	31,037	31,847	29,658	34,591
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	1.81	1.23	1.43	1.69	1.71
Exports	—	—	—	—	2.80
Pipeline Fuel	1.84	1.78	1.77	1.89	1.76
City Gate	2.54	2.18	2.44	2.62	2.34
Delivered to Consumers					
Residential	5.70	5.89	5.65	5.64	5.84
Commercial	4.90	5.00	4.81	4.73	4.76
Industrial	2.95	2.74	2.67	3.16	2.64
Vehicle Fuel	4.29	5.63	2.62	3.81	3.84
Electric Utilities	4.95	4.60	4.98	NA	3.44

^R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

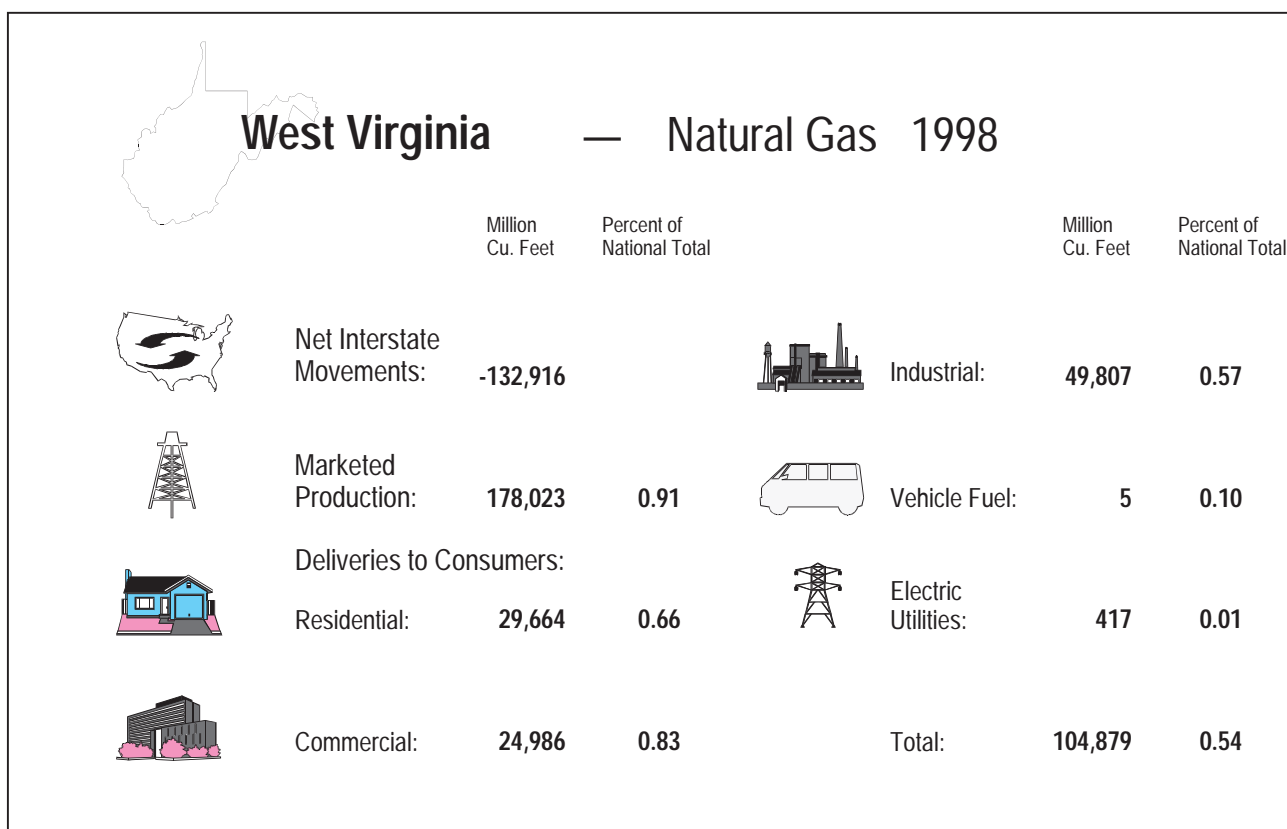


Table 95. Summary Statistics for Natural Gas — West Virginia, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	2,565	2,499	2,703	2,846	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	39,830	36,144	35,148	31,000	39,072
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	183,773	186,231	R169,839	172,268	178,023
From Oil Wells.....	0	0	0	0	0
Total.....	183,773	186,231	R169,839	172,268	178,023
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	183,773	186,231	R169,839	172,268	178,023
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	183,773	186,231	R169,839	172,268	178,023
Extraction Loss.....	10,901	7,396	7,093	7,179	7,337
Total Dry Production.....	172,872	178,835	R162,746	165,089	170,686
Supply (million cubic feet)					
Dry Production.....	172,872	178,835	R162,746	165,089	170,686
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,620,921	1,724,557	1,776,833	1,790,175	1,437,472
Withdrawals from Storage					
Underground Storage.....	156,284	187,088	164,768	181,015	143,924
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	92,551	-18,543	R150,134	77,582	132,454
Total Supply.....	2,042,629	2,071,936	R2,254,481	2,213,861	1,884,536

See footnotes at end of table.

Table 95. Summary Statistics for Natural Gas — West Virginia, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	145,428	148,364	R154,642	159,040	141,957
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,725,985	1,777,613	1,899,227	1,890,522	1,570,388
Additions to Storage					
Underground Storage	171,216	145,958	200,612	164,299	172,191
LNG Storage	0	0	0	0	0
Total Disposition	2,042,629	2,071,936	R2,254,481	2,213,861	1,884,536
Consumption (million cubic feet)					
Lease Fuel	4,815	4,846	R4,292	4,500	3,865
Pipeline Fuel	30,144	26,411	32,467	32,318	30,868
Plant Fuel	3,272	3,199	2,262	2,710	2,344
Delivered to Consumers					
Residential	35,201	35,379	37,390	35,996	29,664
Commercial	24,979	25,872	28,025	25,913	24,986
Industrial	46,774	52,239	49,997	57,380	49,807
Vehicle Fuel	*	7	5	6	5
Electric Utilities	243	410	205	219	417
Total Delivered to Consumers	107,197	113,908	115,622	119,512	104,879
Total Consumption	145,428	148,364	R154,642	159,040	141,957
Delivered for the Account of Others (million cubic feet)					
Residential	15	28	23	9	8
Commercial	11,194	12,536	12,263	11,779	12,625
Industrial	40,684	44,726	42,843	50,353	46,650
Electric Utilities	244	208	157	184	221
Firm Deliveries (million cubic feet)					
Residential	35,186	35,351	37,367	35,996	29,664
Commercial	6,982	7,454	8,741	7,032	7,041
Industrial	20,521	19,333	18,540	21,849	17,577
Electric Utilities	244	208	157	184	221
Vehicle Fuel	*	7	5	5	5
Interruptible Deliveries (million cubic feet)					
Residential	15	28	23	0	0
Commercial	17,997	18,418	19,284	18,881	17,945
Industrial	26,253	32,906	31,457	35,530	32,230
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	0	1	0
Number of Consumers					
Residential	352,929	353,629	358,049	362,432	359,783
Commercial	33,756	36,144	33,837	33,970	35,362
Industrial	191	192	182	173	217
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	100	100	104	99	82
Commercial	740	716	828	763	707
Industrial	244,891	272,080	274,709	331,674	229,525
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.62	2.22	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	3.54	1.87	3.19	2.97	2.69
City Gate	3.26	2.85	3.36	3.17	3.17
Delivered to Consumers					
Residential	6.66	7.05	7.02	6.81	7.29
Commercial	5.91	6.09	6.03	6.34	6.26
Industrial	2.93	2.60	2.76	2.91	3.39
Vehicle Fuel	3.82	2.08	2.20	2.69	2.55
Electric Utilities	4.00	3.58	2.99	3.35	3.29

R = Revised data.

NA = Not available.

— = Not applicable.

* = Volume is less than 500,000 cubic feet.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

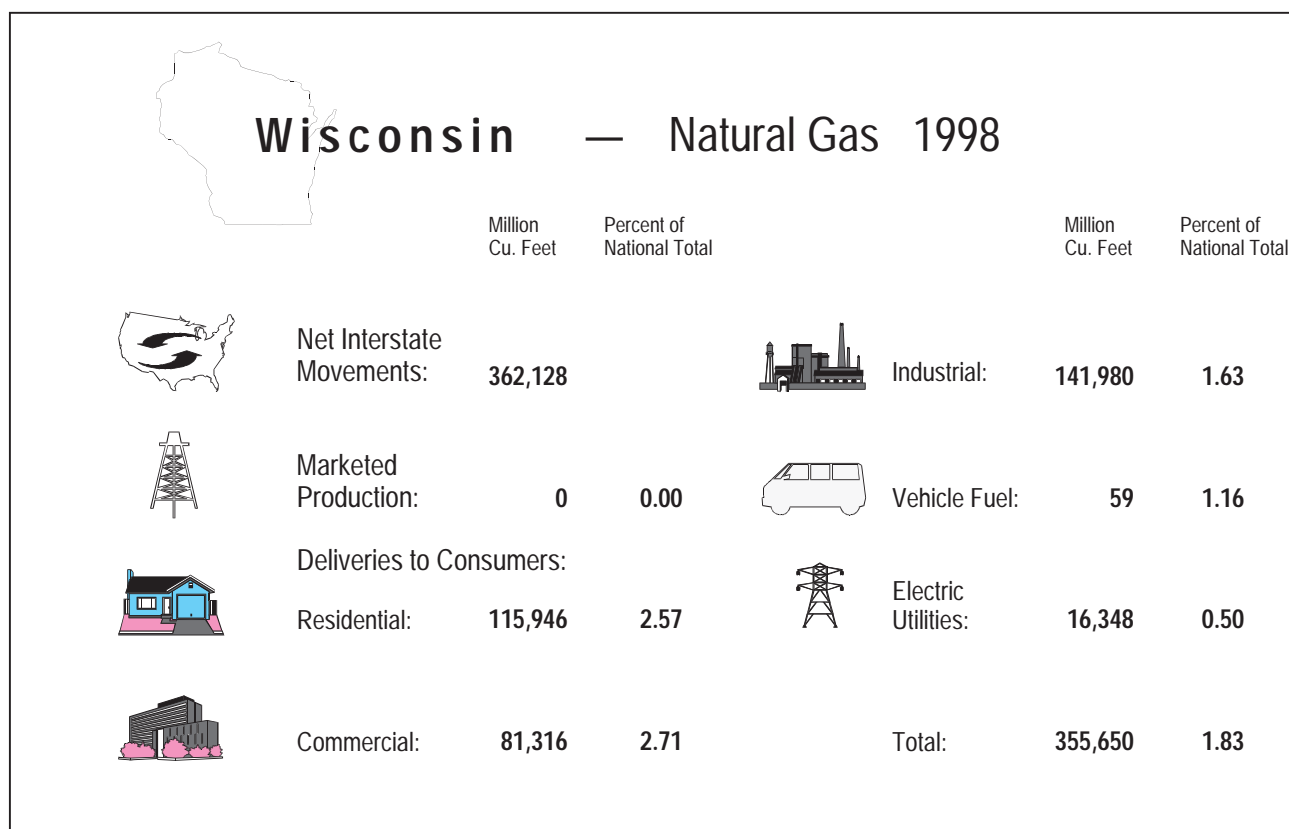


Table 96. Summary Statistics for Natural Gas — Wisconsin, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	0	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	0	0	0	0	0
Total.....	0	0	0	0	0
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	0	0	0	0	0
Vented and Flared.....	0	0	0	0	0
Marketed Production	0	0	0	0	0
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	0	0	0	0	0
Supply (million cubic feet)					
Dry Production.....	0	0	0	0	0
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,179,011	1,195,087	1,194,236	1,185,145	1,168,021
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	316	120	329	92	106
Supplemental Gas Supplies.....	5	2	21	5	0
Balancing Item.....	-124,878	-2,924	4,981	R7,587	-2,216
Total Supply.....	1,054,454	1,192,286	1,199,567	R1,192,829	1,165,911

See footnotes at end of table.

Table 96. Summary Statistics for Natural Gas — Wisconsin, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	355,602	380,489	402,777	^R 400,599	359,934
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	698,586	811,591	796,522	792,086	805,893
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	266	206	269	143	85
Total Disposition	1,054,454	1,192,286	1,199,567	^R1,192,829	1,165,911
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	9,854	4,198	4,196	4,544	4,284
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	128,175	136,012	147,893	135,819	115,946
Commercial	78,609	84,888	93,816	88,729	81,316
Industrial	135,106	146,070	149,517	155,677	141,980
Vehicle Fuel	36	32	53	55	59
Electric Utilities	3,821	9,289	7,303	^R 15,776	16,348
Total Delivered to Consumers	345,748	376,291	398,581	^R396,055	355,650
Total Consumption	355,602	380,489	402,777	^R400,599	359,934
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	25	108	135
Commercial	5,133	6,760	7,848	15,907	21,172
Industrial	69,191	78,008	95,077	113,529	110,805
Electric Utilities	457	2,188	2,404	7,576	7,757
Firm Deliveries (million cubic feet)					
Residential	128,175	136,012	147,893	135,819	115,946
Commercial	70,222	75,867	85,363	84,179	78,603
Industrial	28,563	25,760	27,098	50,470	45,207
Electric Utilities	3,416	2,561	1,957	11,232	9,036
Vehicle Fuel	10	7	30	35	40
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	8,386	9,021	8,453	4,549	2,713
Industrial	106,544	120,310	122,419	105,207	96,773
Electric Utilities	1,885	7,396	5,299	4,909	8,779
Vehicle Fuel	26	25	23	20	19
Number of Consumers					
Residential	1,253,333	1,291,424	1,324,570	1,361,348	1,390,068
Commercial	119,788	125,539	129,146	131,238	134,651
Industrial	7,342	6,454	5,861	8,346	9,158
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	102	105	112	100	83
Commercial	656	676	726	676	604
Industrial	18,402	22,632	25,511	18,653	15,503
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.36	0.36	1.20	1.16	0.95
City Gate	3.42	2.83	3.43	3.67	3.29
Delivered to Consumers					
Residential	6.28	5.82	6.04	6.43	6.15
Commercial	4.91	4.50	4.83	5.35	4.71
Industrial	3.36	2.96	3.48	4.13	3.78
Vehicle Fuel	3.41	2.96	2.40	2.38	1.13
Electric Utilities	2.66	2.23	3.04	3.17	2.67

R = Revised data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quan-

ty and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

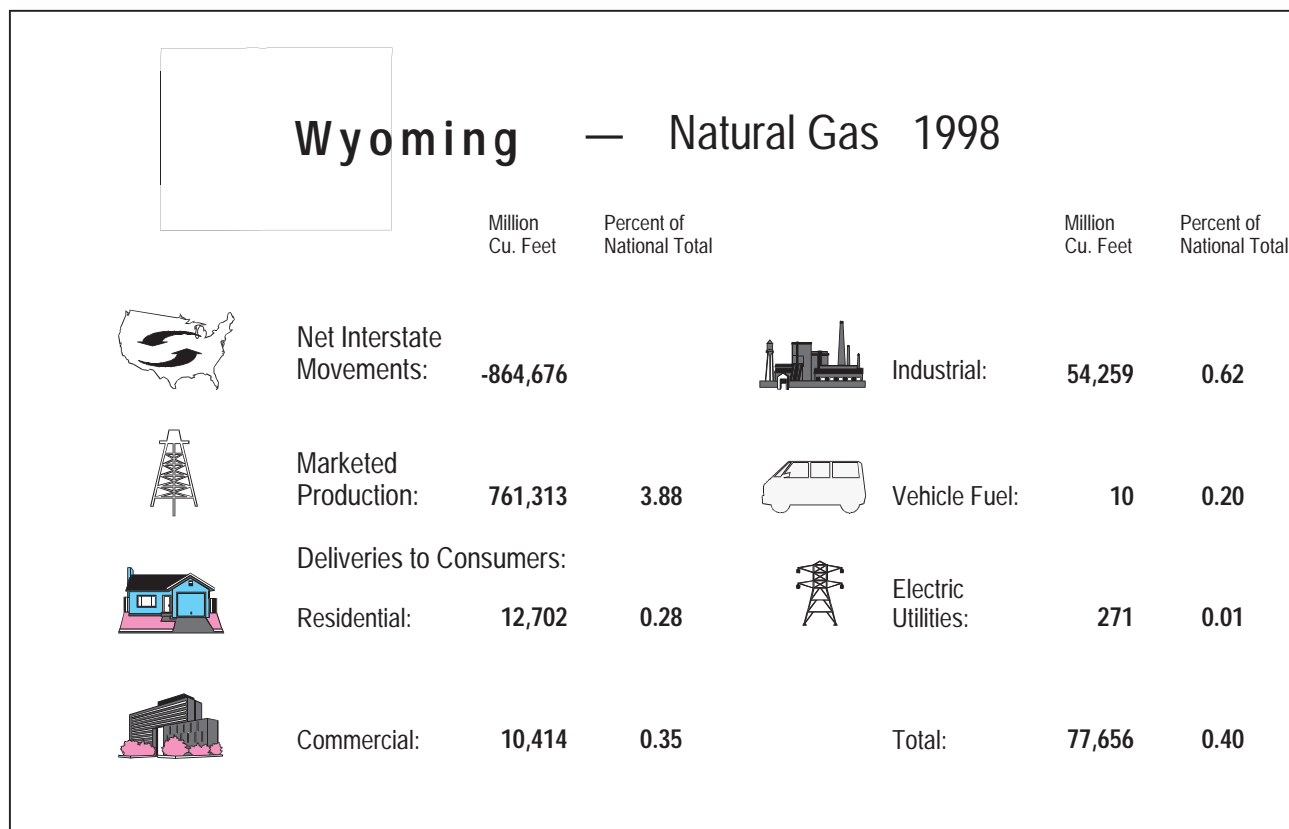


Table 97. Summary Statistics for Natural Gas — Wyoming, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	10,879	12,166	12,320	13,562	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	3,942	4,196	4,510	5,160	5,166
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	949,343	988,671	981,115	1,043,797	1,029,403
From Oil Wells.....	121,519	111,442	109,434	109,318	132,044
Total.....	1,070,862	1,100,113	1,090,549	1,153,115	1,161,447
Repressuring	110,064	131,893	134,867	128,186	117,094
Nonhydrocarbon Gases Removed.....	138,056	145,724	144,194	146,414	142,739
Wet After Lease Separation	822,741	822,496	811,488	878,515	901,614
Vented and Flared.....	126,722	148,721	145,452	140,147	140,301
Marketed Production	696,018	673,775	666,036	738,368	761,313
Extraction Loss.....	33,486	36,058	48,254	49,333	44,358
Total Dry Production.....	662,532	637,717	617,782	689,035	716,955
Supply (million cubic feet)					
Dry Production.....	662,532	637,717	617,782	689,035	716,955
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	280,941	384,208	294,140	516,922	267,950
Withdrawals from Storage					
Underground Storage.....	8,012	11,000	15,478	14,989	12,493
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	121,842	99,322	253,985	6,045	259,632
Total Supply.....	1,073,328	1,132,247	1,181,385	1,226,990	1,257,031

See footnotes at end of table.

Table 97. Summary Statistics for Natural Gas — Wyoming, 1994-1998 (Continued)

	1994	1995	1996	1997	1998
Disposition (million cubic feet)					
Consumption	106,316	97,706	101,413	100,955	109,193
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	956,416	1,025,093	1,069,550	1,111,955	1,132,626
Additions to Storage					
Underground Storage	10,596	9,448	10,422	14,080	15,212
LNG Storage	0	0	0	0	0
Total Disposition	1,073,328	1,132,247	1,181,385	1,226,990	1,257,031
Consumption (million cubic feet)					
Lease Fuel	^a 4,676	4,570	4,252	4,099	3,477
Pipeline Fuel	6,193	7,254	8,144	10,461	11,535
Plant Fuel	13,939	14,896	15,409	15,597	16,524
Delivered to Consumers					
Residential	11,564	12,152	13,534	12,999	12,702
Commercial	9,231	9,833	9,721	10,754	10,414
Industrial	60,566	48,856	50,253	46,936	54,259
Vehicle Fuel	18	16	14	13	10
Electric Utilities	129	128	87	95	271
Total Delivered to Consumers	81,507	70,986	73,609	70,797	77,656
Total Consumption	106,316	97,706	101,413	100,955	109,193
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	846	935	990
Commercial	358	632	1,370	1,705	987
Industrial	59,219	47,467	48,798	45,763	53,151
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	11,564	12,152	13,534	12,999	12,702
Commercial	5,025	9,044	8,943	10,033	9,531
Industrial	10,670	13,329	18,063	16,460	24,246
Electric Utilities	79	104	61	25	0
Vehicle Fuel	18	15	14	12	10
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	4,205	790	778	721	883
Industrial	49,896	35,527	32,190	30,476	30,013
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	1	0	1	0
Number of Consumers					
Residential	117,385	119,544	131,910	125,740	127,324
Commercial	15,348	15,580	17,036	15,907	16,171
Industrial	135	126	170	194	317
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	99	102	103	103	100
Commercial	601	631	571	676	644
Industrial	448,635	387,748	295,606	241,939	171,165
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.05	1.78	2.57	2.42	1.78
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.52	1.31	1.54	1.84	1.86
City Gate	2.91	2.72	2.36	3.11	2.73
Delivered to Consumers					
Residential	5.10	4.83	4.26	4.58	5.19
Commercial	4.45	4.23	3.67	3.93	4.45
Industrial	3.51	3.18	3.14	3.49	3.37
Vehicle Fuel	4.62	5.34	5.24	5.56	6.30
Electric Utilities	5.80	8.32	12.59	NA	8.31

^a The state of Wyoming previously estimated lease fuel use. Starting in 1993, the data for lease fuel are actual reported data.

NA = Not available.

— = Not applicable.

Notes: Deliveries to electric utilities (consumption) are reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." See the discussion on electric utility data and Table A1 in Appendix A for a comparison of reporting to these two forms. Totals may not add due to 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.

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Historical Data



Workmen remove snow from this natural gas drilling platform located in Wyoming.

Table 98. Quantity and Average Price of Natural Gas Production in the United States, 1930-1998
 (Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year	Gross Withdrawals	Used for Repressuring	Nonhydrocarbon Gases Removed	Vented and Flared	Marketed Production	Extraction Loss	Dry Production	Average Wellhead Price of Marketed Production
1930	NA	NA	NA	NA	1,978,911	75,140	1,903,771	0.08
1931	NA	NA	NA	NA	1,721,902	62,288	1,659,614	0.07
1932	NA	NA	NA	NA	1,593,798	51,816	1,541,982	0.06
1933	NA	NA	NA	NA	1,596,673	48,280	1,548,393	0.06
1934	NA	NA	NA	NA	1,815,796	52,190	1,763,606	0.06
1935	NA	NA	NA	NA	1,968,963	55,488	1,913,475	0.06
1936	2,691,512	73,507	NA	392,528	2,225,477	61,064	2,164,413	0.06
1937	3,084,567	84,925	NA	526,159	2,473,483	70,210	2,403,273	0.05
1938	3,108,858	101,551	NA	649,106	2,358,201	73,338	2,284,863	0.05
1939	3,387,095	171,401	NA	677,311	2,538,383	73,746	2,464,637	0.05
1940	3,752,702	362,916	NA	655,967	2,733,819	79,526	2,654,293	0.05
1941	4,168,116	644,379	NA	630,212	2,893,525	115,464	2,778,061	0.05
1942	4,525,095	752,619	NA	626,782	3,145,694	119,000	3,026,694	0.05
1943	5,024,449	824,803	NA	684,115	3,515,531	121,788	3,393,743	0.05
1944	5,708,288	882,979	NA	1,010,285	3,815,024	142,868	3,672,156	0.05
1945	6,000,161	1,061,951	NA	896,208	4,042,002	159,936	3,882,066	0.05
1946	6,293,037	1,038,242	NA	1,102,033	4,152,762	165,274	3,987,488	0.05
1947	6,733,230	1,083,119	NA	1,067,938	4,582,173	188,734	4,393,439	0.06
1948	7,178,777	1,220,579	NA	810,178	5,148,020	209,508	4,938,512	0.06
1949	7,546,825	1,273,205	NA	853,884	5,419,736	224,332	5,195,404	0.06
1950	8,479,650	1,396,546	NA	801,044	6,282,060	259,862	6,022,198	0.07
1951	9,689,372	1,438,827	NA	793,186	7,457,359	292,400	7,164,959	0.07
1952	10,272,566	1,410,501	NA	848,608	8,013,457	319,158	7,694,299	0.08
1953	10,645,798	1,438,606	NA	810,276	8,396,916	340,068	8,056,848	0.09
1954	10,984,850	1,518,737	NA	723,567	8,742,546	354,348	8,388,198	0.10
1955	11,719,794	1,540,804	NA	773,639	9,405,351	376,686	9,028,665	0.10
1956	12,372,905	1,426,648	NA	864,334	10,081,923	418,013	9,663,910	0.11
1957	12,906,669	1,417,263	NA	809,148	10,680,258	433,636	10,246,622	0.11
1958	13,146,635	1,482,975	NA	633,412	11,030,248	458,040	10,572,208	0.12
1959	14,229,272	1,612,109	NA	571,048	12,046,115	498,457	11,547,658	0.13
1960	15,087,911	1,753,996	NA	562,877	12,771,038	542,890	12,228,148	0.14
1961	15,460,312	1,682,754	NA	523,533	13,254,025	592,446	12,661,579	0.15
1962	16,038,973	1,736,722	NA	425,629	13,876,622	623,616	13,253,006	0.16
1963	16,973,368	1,843,297	NA	383,408	14,746,663	670,251	14,076,412	0.16
1964	17,535,553	1,647,108	NA	341,853	15,546,592	722,565	14,824,027	0.15
1965	17,963,100	1,604,204	NA	319,143	16,039,753	753,473	15,286,280	0.16
1966	19,033,839	1,451,516	NA	375,695	17,206,628	739,308	16,467,320	0.16
1967	20,251,776	1,590,574	NA	489,877	18,171,325	784,534	17,386,791	0.16
1968	21,325,000	1,486,092	NA	516,508	19,322,400	827,877	18,494,523	0.16
1969	22,679,195	1,455,205	NA	525,750	20,698,240	866,560	19,831,680	0.17

See footnotes at end of table.

**Table 98. Quantity and Average Price of Natural Gas Production in the United States, 1930-1998
(Continued)**

Year	Gross Withdrawals	Used for Repressuring	Nonhydrocarbon Gases Removed	Vented and Flared	Marketed Production	Extraction Loss	Dry Production	Average Wellhead Price of Marketed Production
1970	23,786,453	1,376,351	NA	489,460	21,920,642	906,413	21,014,229	0.17
1971	24,088,031	1,310,458	NA	284,561	22,493,012	883,127	21,609,885	0.18
1972	24,016,109	1,236,292	NA	248,119	22,531,698	907,993	21,623,705	0.19
1973	24,067,202	1,171,361	NA	248,292	22,647,549	916,551	21,730,998	0.22
1974	22,849,793	1,079,890	NA	169,381	21,600,522	887,490	20,713,032	0.30
1975	21,103,530	860,956	NA	133,913	20,108,661	872,282	19,236,379	0.44
1976	20,943,778	859,410	NA	131,930	19,952,438	854,086	19,098,352	0.58
1977	21,097,071	934,801	NA	136,807	20,025,463	862,563	19,162,900	0.79
1978	21,308,815	1,181,432	NA	153,350	19,974,033	852,130	19,121,903	0.91
1979	21,883,353	1,245,074	NA	167,019	20,471,260	807,845	19,663,415	1.18
1980	21,869,692	1,365,454	199,063	125,451	20,179,724	776,605	19,403,119	1.59
1981	21,587,453	1,311,735	221,878	98,017	19,955,823	774,562	19,181,261	1.98
1982	20,272,254	1,388,392	208,492	93,365	18,582,005	761,942	17,820,063	2.46
1983	18,659,046	1,458,054	221,937	94,962	16,884,093	789,632	16,094,461	2.59
1984	20,266,522	1,630,152	224,118	107,913	18,304,339	837,867	17,466,472	2.66
1985	19,606,699	1,915,197	326,497	94,778	17,270,227	816,370	16,453,857	2.51
1986	19,130,711	1,837,552	336,851	97,633	16,858,675	799,645	16,059,030	1.94
1987	20,140,200	2,207,559	376,033	123,707	17,432,901	812,320	16,620,581	1.67
1988	20,999,255	2,478,382	459,883	142,525	17,918,465	815,844	17,102,621	1.69
1989	21,074,425	2,475,179	362,457	141,642	18,095,147	784,502	17,310,645	1.69
1990	21,522,622	2,489,040	289,374	150,415	18,593,792	784,118	17,809,674	1.71
1991	21,750,108	2,771,928	275,831	169,909	18,532,439	834,637	17,697,802	1.64
1992	22,132,249	2,972,552	280,370	167,519	18,711,808	871,905	17,839,903	1.74
1993	22,725,642	3,103,014	413,971	226,743	18,981,915	886,455	18,095,460	2.04
1994	23,580,706	3,230,667	412,178	228,336	19,709,525	888,500	18,821,025	1.85
1995	23,743,628	3,565,023	388,392	283,739	19,506,474	907,795	18,598,679	1.55
1996	^R 24,113,536	^R 3,510,753	^a 518,425	272,117	^R 19,812,241	958,178	^R 18,854,063	2.17
1997	24,212,677	3,491,542	^R 598,691	^R 256,351	^R 19,866,093	963,759	^R 18,902,334	2.32
1998	23,924,233	3,433,323	611,226	234,130	19,645,554	937,798	18,707,756	1.94

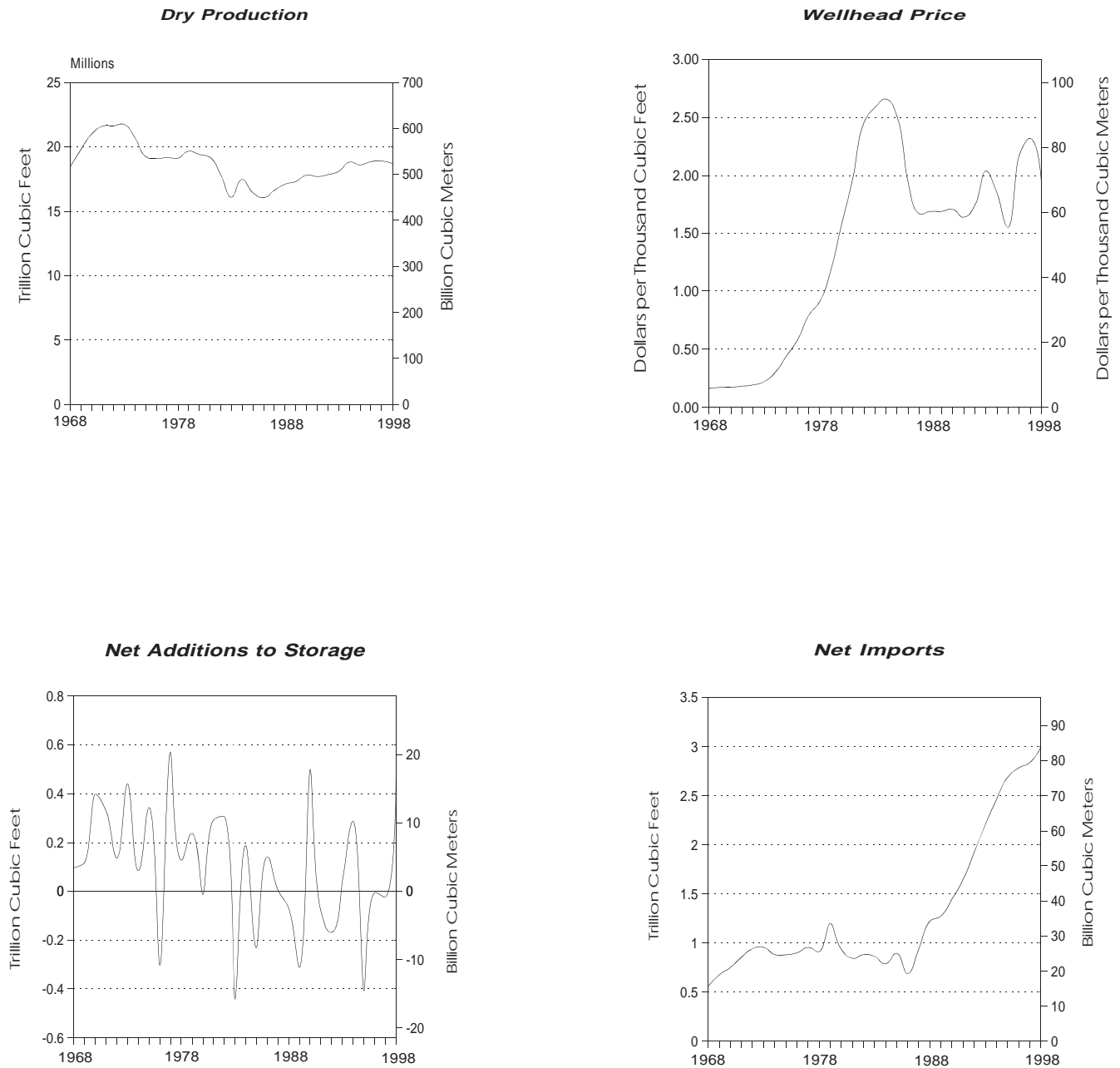
^a Nonhydrocarbon gases removed increased significantly in 1996 due to production increases in the Bravo Dome.

^R = Revised data.
NA = Not available.

Notes: Beginning with 1965 data, all volumes are shown on a pressure base of 14.73 psia at 60 degrees Fahrenheit. For prior years, the pressure base is 14.65 psia at 60 degrees Fahrenheit.

Sources: 1930-1975: Bureau of Mines, *Minerals Yearbook*, "Natural Gas" chapter. 1976-1978: Energy Information Administration (EIA), Energy Data Reports, *Natural Gas Annual*. 1979: EIA, *Natural Gas Production and Consumption, 1979*. 1980-1995: EIA, Form EIA-627, "Annual Quantity and Value of Natural Gas Report"; Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; and Form EIA-816, "Monthly Natural Gas Liquids Report." 1996-1998: EIA, Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"; Form EIA-176, Form EIA-64A, and Form EIA-816.

Figure 22. Natural Gas Supply and Disposition in the United States, 1968-1998



Sources: 1960-1975: Bureau of Mines, *Minerals Yearbook*, "Natural Gas" chapter. 1976-1978: Energy Information Administration (EIA), Energy Data Reports, *Natural Gas Annual*. 1979: EIA, *Natural Gas Production and Consumption, 1979*. 1980-1994: EIA, Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Forms EIA-191/FERC-8, "Underground Gas Storage Report"; Form-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report"; and Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas"; 1995: EIA, Form EIA-176, Forms EIA-191/FERC-8, Form EIA-64A, Form EIA-627, "Annual Quantity and Value of Natural Gas Report"; and Office of Fossil Fuels, U.S. Department of Energy, Natural Gas Imports and Exports; 1996-1998: EIA, Form EIA-176, Forms EIA-191/FERC-8, Form EIA-64A, Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"; and Office of Fossil Fuels.

Table 99. Supply and Disposition of Natural Gas in the United States, 1930-1998
(Million Cubic Feet)

Year	Supply					Disposition			
	Dry Production	Withdrawals from Storage	Imports	Balancing Item	Total	Additions to Storage	Exports	Consumption	Total
1930	1,903,771	NA	21	-35,490	1,868,302	NA	1,798	1,866,504	1,868,302
1931	1,659,614	NA	44	-35,466	1,624,192	NA	2,231	1,621,961	1,624,192
1932	1,541,982	NA	38	-37,808	1,504,212	NA	1,693	1,502,519	1,504,212
1933	1,548,393	NA	83	-41,199	1,507,277	NA	2,158	1,505,119	1,507,277
1934	1,763,606	NA	68	-45,075	1,718,599	NA	5,801	1,712,798	1,718,599
1935	1,913,475	NA	106	-41,074	1,872,507	11,294	6,800	1,854,413	1,872,507
1936	2,164,413	NA	152	-46,677	2,117,888	10,998	7,436	2,099,454	2,117,888
1937	2,403,273	NA	289	-52,157	2,351,405	13,706	4,868	2,332,831	2,351,405
1938	2,284,863	NA	372	-47,658	2,237,577	14,981	1,837	2,220,759	2,237,577
1939	2,464,637	NA	131	-53,595	2,411,173	8,032	3,122	2,400,019	2,411,173
1940	2,654,293	NA	0	-58,602	2,595,691	14,995	5,563	2,575,133	2,595,691
1941	2,778,061	NA	0	-64,616	2,713,445	16,251	7,466	2,689,728	2,713,445
1942	3,026,694	NA	0	-71,195	2,955,499	21,024	8,702	2,925,773	2,955,499
1943	3,393,743	NA	0	-81,889	3,311,854	18,953	11,210	3,281,691	3,311,854
1944	3,672,156	33,585	0	-94,068	3,611,673	43,502	14,576	3,553,595	3,611,673
1945	3,882,066	36,167	0	-97,981	3,820,252	61,502	18,207	3,740,543	3,820,252
1946	3,987,488	56,138	0	-102,837	3,940,789	75,458	17,675	3,847,656	3,940,789
1947	4,393,439	86,643	0	-127,807	4,352,275	96,316	18,149	4,237,810	4,352,275
1948	4,938,512	79,035	0	-126,796	4,890,751	136,406	18,704	4,735,641	4,890,751
1949	5,195,404	106,368	0	-138,515	5,163,257	172,051	20,054	4,971,152	5,163,257
1950	6,022,198	175,260	0	-175,437	6,022,021	229,752	25,727	5,766,542	6,022,021
1951	7,164,959	209,428	0	-192,372	7,182,015	347,690	24,163	6,810,162	7,182,015
1952	7,694,299	221,909	7,807	-203,646	7,720,369	398,593	27,456	7,294,320	7,720,369
1953	8,056,848	246,802	9,225	-240,445	8,072,430	404,838	28,322	7,639,270	8,072,430
1954	8,388,198	330,177	6,847	-215,709	8,509,513	432,283	28,726	8,048,504	8,509,513
1955	9,028,665	437,251	10,888	-246,933	9,229,871	505,185	31,029	8,693,657	9,229,871
1956	9,663,910	452,762	10,380	-212,992	9,914,060	589,232	35,963	9,288,865	9,914,060
1957	10,246,622	480,981	37,941	-205,373	10,560,171	672,377	41,655	9,846,139	10,560,171
1958	10,572,208	621,091	135,797	-283,597	11,045,499	704,172	38,719	10,302,608	11,045,499
1959	11,547,658	668,743	133,990	-223,312	12,127,079	787,485	18,413	11,321,181	12,127,079
1960	12,228,148	712,658	155,646	-274,231	12,822,221	844,352	11,332	11,966,537	12,822,221
1961	12,661,579	698,050	218,860	-234,808	13,343,681	843,666	10,747	12,489,268	13,343,681
1962	13,253,006	854,336	401,534	-285,726	14,223,150	940,823	15,814	13,266,513	14,223,150
1963	14,076,412	916,720	406,204	-364,658	15,034,678	1,047,492	16,957	13,970,229	15,034,678
1964	14,824,027	885,307	443,326	-304,435	15,848,225	1,014,814	19,603	14,813,808	15,848,225
1965	15,286,280	959,865	456,394	-318,711	16,383,828	1,077,980	26,132	15,279,716	16,383,828
1966	16,467,320	1,141,614	479,780	-401,203	17,687,511	1,210,469	24,639	16,452,403	17,687,511
1967	17,386,791	1,132,534	564,226	-296,214	18,787,337	1,317,363	81,614	17,388,360	18,787,337
1968	18,494,523	1,329,536	651,885	-325,062	20,150,882	1,425,075	93,745	18,632,062	20,150,882
1969	19,831,680	1,379,488	726,951	-334,168	21,603,951	1,498,988	51,304	20,056,240	21,606,532

See footnotes at end of table.

Table 99. Supply and Disposition of Natural Gas in the United States, 1930-1998 (Continued)
(Million Cubic Feet)

Year	Supply					Disposition			
	Dry Production	Withdrawals from Storage	Imports	Balancing Item	Total	Additions to Storage	Exports	Consumption	Total
1970	21,014,229	1,458,607	820,780	-227,650	23,065,966	1,856,767	69,813	21,139,386	23,065,966
1971	21,609,885	1,507,630	934,548	-338,999	23,713,064	1,839,398	80,212	21,793,454	23,713,064
1972	21,623,705	1,757,218	1,019,496	-328,002	24,072,417	1,892,952	78,013	22,101,452	24,072,417
1973	21,730,998	1,532,820	1,032,901	-195,863	24,100,856	1,974,324	77,169	22,049,363	24,100,856
1974	20,713,032	1,700,546	959,284	-288,731	23,084,131	1,784,209	76,789	21,223,133	23,084,131
1975	19,236,379	1,759,565	953,008	-235,065	21,713,887	2,103,619	72,675	19,537,593	21,713,887
1976	19,098,352	2,059,898	963,768	-216,240	21,905,778	1,755,690	64,711	19,946,496	21,766,897
1977	19,162,900	1,735,868	1,011,002	-41,063	21,868,707	2,306,515	55,626	19,520,581	21,882,722
1978	19,121,903	2,150,928	965,545	-287,201	21,951,175	2,278,002	52,532	19,627,478	21,958,012
1979	19,663,415	2,057,020	1,253,383	-372,330	22,601,488	2,295,034	55,673	20,240,761	22,591,468
1980	19,557,709	1,972,333	984,767	-639,721	21,875,088	1,949,064	48,731	19,877,293	21,875,088
1981	19,356,963	1,930,092	903,949	-500,444	21,690,560	2,227,522	59,372	19,403,858	21,690,752
1982	17,964,874	2,164,184	933,336	-537,061	20,525,333	2,472,383	51,728	18,001,055	20,525,166
1983	16,226,355	2,269,654	918,407	-703,342	18,711,074	1,822,354	54,639	16,834,914	18,711,907
1984	17,576,449	2,098,303	843,060	-217,308	20,300,504	2,295,138	54,753	17,950,524	20,300,415
1985	16,580,220	2,397,359	949,715	-428,120	19,499,174	2,162,603	55,268	17,280,943	19,498,814
1986	16,172,219	1,836,693	750,449	-494,491	18,264,870	1,983,603	61,271	16,221,296	18,266,170
1987	16,721,963	1,905,419	992,532	-443,231	19,176,683	1,911,489	54,020	17,210,809	19,176,318
1988	17,203,755	2,270,011	1,293,812	-452,492	20,315,086	2,211,277	73,638	18,029,588	20,314,503
1989	17,417,390	2,854,061	1,381,520	-217,526	21,435,445	2,527,750	106,871	18,800,826	21,435,447
1990	17,932,480	1,986,330	1,532,259	-151,863	21,299,206	2,499,264	85,565	18,715,090	21,299,919
1991	17,810,408	2,751,818	1,773,313	-499,779	21,835,760	2,671,632	129,244	19,035,156	21,836,032
1992	17,957,822	2,772,308	2,137,504	-507,565	22,360,069	2,599,426	216,282	19,544,364	22,360,072
1993	18,214,459	2,799,253	2,350,115	-109,593	23,254,234	2,834,955	140,183	20,279,095	23,254,233
1994	18,931,851	2,578,840	2,623,839	-415,579	23,718,951	2,864,757	161,739	20,707,717	23,734,213
1995	18,708,969	3,024,548	2,841,048	-230,002	24,344,563	2,609,779	154,119	21,580,665	24,344,563
1996	^R 18,963,518	2,980,614	2,937,413	^R 217,114	^R 25,098,659	2,978,649	153,393	^R 21,966,616	^R 25,098,658
1997	^R 19,005,487	2,893,762	2,994,173	^R 61,024	^R 24,954,446	2,870,159	157,006	^R 21,958,660	^R 24,985,825
1998	18,809,945	2,431,709	3,152,058	-33,330	24,360,382	2,961,472	159,007	21,262,023	24,382,502

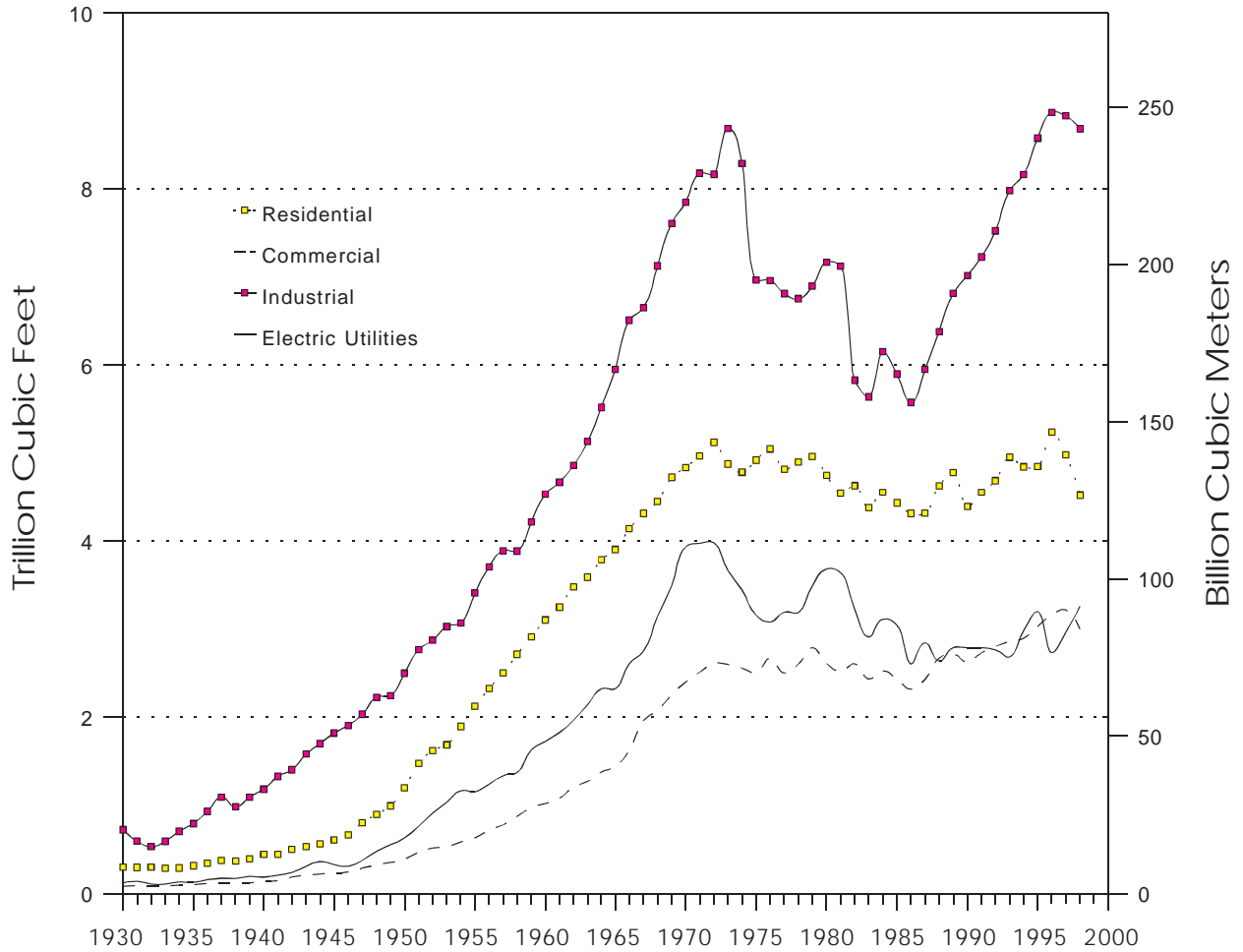
^R = Revised data.
NA = Not available.

Notes: Beginning with 1980 data, dry production and consumption volumes did include supplemental gas supplies, and storage volumes did include liquefied natural gas (LNG). Beginning with 1976 data, total supply and disposition do not balance on equivalent data in Table 1 due to the exclusion of intransit receipts and deliveries. Beginning with 1965 data, all volumes are shown on a pressure base of 14.73 psia at degrees Fahrenheit. For prior years, the pressure base is 14.65 psia at 60 degrees Fahrenheit.

Sources: 1930-1975: Bureau of Mines, *Minerals Yearbook*, "Natural Gas" chapter. 1976-1978: Energy Information Administration (EIA), Energy Data Report, *Natural Gas*

Annual. 1979: EIA, *Natural Gas Production and Consumption, 1979*. 1980-1994: EIA, Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-191, "Underground Gas Storage Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-627, "Annual Quantity and Value of Natural Gas Report"; Form EIA-191, "Underground Gas Storage Report"; and Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995: EIA, Form EIA-176, Form EIA-191, Form EIA-64A, Form EIA-627, and Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports, 1996-1998*: EIA, Form EIA-176, Form EIA-191, Form EIA-64A, Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"; and Office of Fossil Energy.

Figure 23. Natural Gas Delivered to Consumers in the United States, 1930-1998



Sources: 1930-1975: Bureau of Mines, *Minerals Yearbook*, "Natural Gas" chapter. 1976-1978: Energy Information Administration (EIA), Energy Data Reports, *Natural Gas Annual*. 1979: EIA, *Natural Gas Production and Consumption, 1979*. 1980-1998: Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" and Form EIA-759, "Monthly Power Plant Report."

Table 100. Natural Gas Consumption in the United States, 1930-1998
(Million Cubic Feet)

Year	Lease and Plant Fuel	Pipeline Fuel	Delivered to Consumers					Total Consumption	
			Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities		Total
1930	648,025	NA	295,700	80,707	721,782	NA	120,290	1,218,479	1,866,504
1931	509,077	NA	294,406	86,491	593,644	NA	138,343	1,112,884	1,621,961
1932	477,562	NA	298,520	87,367	531,831	NA	107,239	1,024,957	1,502,519
1933	442,879	NA	283,197	85,577	590,865	NA	102,601	1,062,240	1,505,119
1934	502,352	NA	288,236	91,261	703,053	NA	127,896	1,210,446	1,712,798
1935	524,926	NA	313,498	100,187	790,563	NA	125,239	1,329,487	1,854,413
1936	557,404	NA	343,346	111,623	931,001	NA	156,080	1,542,050	2,099,454
1937	581,110	NA	371,844	117,390	1,091,920	NA	170,567	1,751,721	2,332,831
1938	585,865	NA	367,772	114,296	982,838	NA	169,988	1,634,894	2,220,759
1939	607,138	NA	391,153	118,334	1,092,263	NA	191,131	1,792,881	2,400,019
1940	632,335	NA	443,646	134,644	1,181,352	NA	183,156	1,942,798	2,575,133
1941	570,694	NA	442,067	144,844	1,326,967	NA	205,156	2,119,034	2,689,728
1942	602,063	NA	498,537	183,603	1,402,834	NA	238,736	2,323,710	2,925,773
1943	659,198	NA	529,444	204,793	1,582,680	NA	305,576	2,622,493	3,281,691
1944	712,312	NA	562,183	220,747	1,698,608	NA	359,745	2,841,283	3,553,595
1945	757,016	NA	607,400	230,099	1,819,838	NA	326,190	2,983,527	3,740,543
1946	732,535	NA	660,820	241,802	1,905,575	NA	306,924	3,115,121	3,847,656
1947	745,027	NA	802,150	285,213	2,032,383	NA	373,037	3,492,783	4,237,810
1948	812,005	NA	896,348	323,054	2,226,137	NA	478,097	3,923,636	4,735,641
1949	835,297	NA	992,544	347,818	2,245,372	NA	550,121	4,135,855	4,971,152
1950	927,611	125,546	1,198,369	387,838	2,498,259	NA	628,919	4,713,385	5,766,542
1951	1,149,470	192,496	1,474,725	464,309	2,765,264	NA	763,898	5,468,196	6,810,162
1952	1,164,596	207,207	1,621,966	515,669	2,874,765	NA	910,117	5,922,517	7,294,320
1953	1,131,017	230,314	1,685,503	530,650	3,027,514	NA	1,034,272	6,277,939	7,639,270
1954	1,102,535	230,615	1,894,248	584,957	3,070,651	NA	1,165,498	6,715,354	8,048,504
1955	1,130,985	245,246	2,123,952	629,219	3,410,975	NA	1,153,280	7,317,426	8,693,657
1956	1,002,537	295,972	2,327,564	716,871	3,706,610	NA	1,239,311	7,990,356	9,288,865
1957	1,046,084	299,235	2,500,269	775,916	3,888,494	NA	1,336,141	8,500,820	9,846,139
1958	1,146,064	312,221	2,714,251	871,774	3,885,445	NA	1,372,853	8,844,323	10,302,608
1959	1,238,945	349,348	2,912,601	975,107	4,216,671	NA	1,628,509	9,732,888	11,321,181
1960	1,236,781	347,075	3,103,167	1,020,222	4,534,530	NA	1,724,762	10,382,681	11,966,537
1961	1,288,762	377,607	3,248,578	1,076,849	4,672,355	NA	1,825,117	10,822,899	12,489,268
1962	1,369,512	382,496	3,478,563	1,206,668	4,863,300	NA	1,965,974	11,514,505	13,266,513
1963	1,411,088	423,783	3,589,021	1,267,783	5,134,081	NA	2,144,473	12,135,358	13,970,229
1964	1,370,835	435,570	3,787,292	1,374,717	5,522,498	NA	2,322,896	13,007,403	14,813,808
1965	1,156,224	500,524	3,902,802	1,443,648	5,955,417	NA	2,321,101	13,622,968	15,279,716
1966	1,033,400	535,353	4,138,259	1,622,740	6,512,702	NA	2,609,949	14,883,650	16,452,403
1967	1,140,966	575,752	4,313,304	1,958,970	6,653,016	NA	2,746,352	15,671,642	17,388,360
1968	1,237,131	590,965	4,450,354	2,075,736	7,129,967	NA	3,147,909	16,803,966	18,632,062
1969	1,345,648	630,962	4,728,281	2,253,206	7,610,501	NA	3,487,642	18,079,630	20,056,240

See footnotes at end of table.

Table 100. Natural Gas Consumption in the United States, 1930-1998 (Continued)
(Million Cubic Feet)

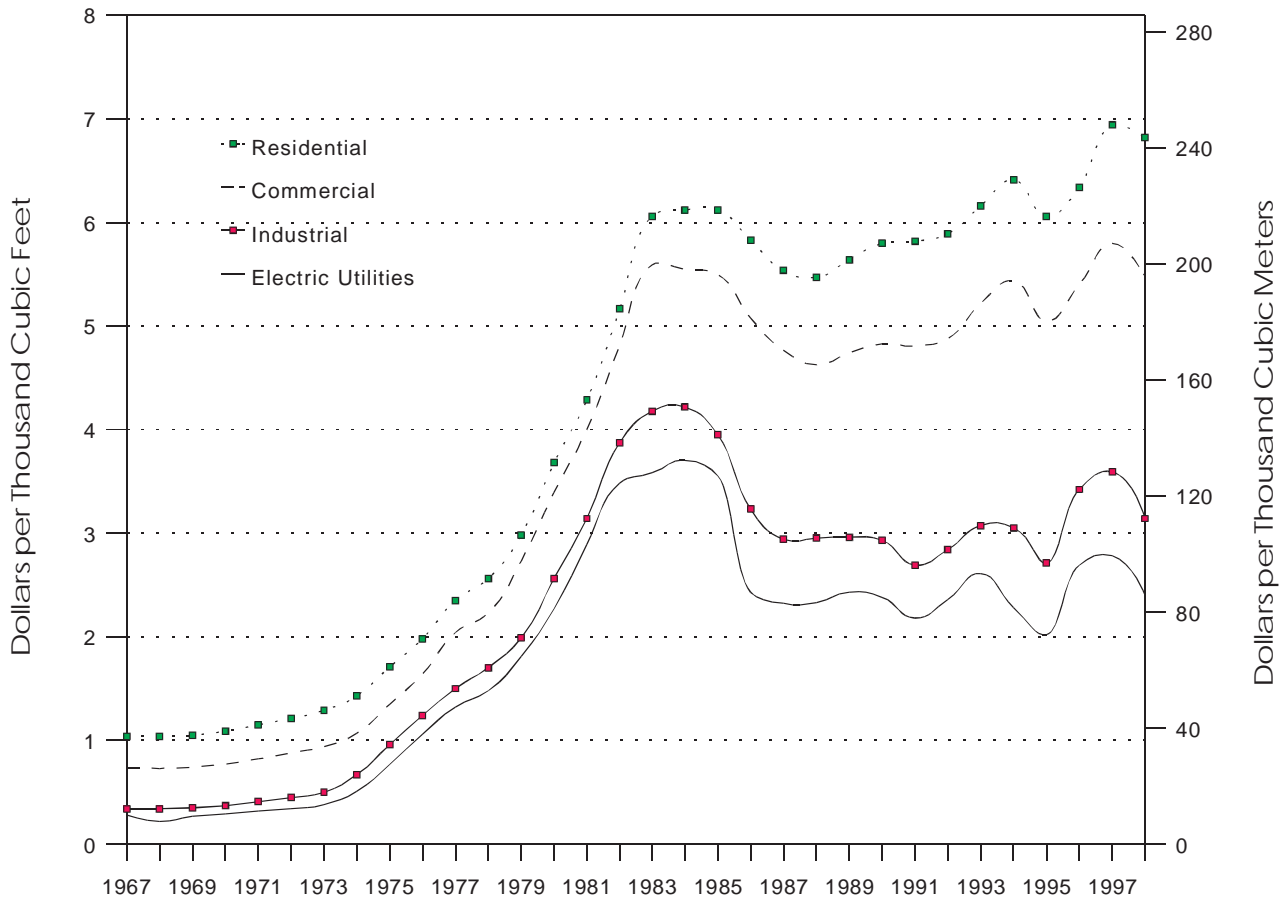
Year	Lease and Plant Fuel	Pipeline Fuel	Delivered to Consumers					Total Consumption	
			Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities		Total
1970	1,398,758	722,166	4,837,432	2,398,510	7,850,660	NA	3,931,860	19,018,462	21,139,386
1971	1,413,650	742,592	4,971,690	2,508,977	8,180,527	NA	3,976,018	19,637,212	21,793,454
1972	1,455,563	766,156	5,125,982	2,607,982	8,168,855	NA	3,976,914	19,879,733	22,101,452
1973	1,495,915	728,177	4,879,387	2,597,037	8,688,675	NA	3,660,172	19,825,271	22,049,363
1974	1,477,386	668,792	4,786,128	2,555,617	8,291,782	NA	3,443,428	19,076,955	21,223,133
1975	1,396,277	582,963	4,924,124	2,508,293	6,968,267	NA	3,157,669	17,558,353	19,537,593
1976	1,634,355	548,323	5,051,360	2,667,740	6,963,850	NA	3,080,868	17,763,818	19,946,496
1977	1,659,145	532,669	4,821,485	2,500,793	6,815,289	NA	3,191,200	17,328,767	19,520,581
1978	1,647,911	530,451	4,903,006	2,601,106	6,756,641	NA	3,188,363	17,449,116	19,627,478
1979	1,498,530	600,964	4,965,365	2,785,961	6,899,418	NA	3,490,523	18,141,267	20,240,761
1980	1,026,438	634,622	4,752,082	2,610,895	7,171,661	NA	3,681,595	18,216,233	19,877,293
1981	927,591	642,325	4,546,450	2,519,791	7,127,547	NA	3,640,154	17,833,942	19,403,858
1982	1,109,398	596,411	4,633,035	2,605,523	5,831,170	NA	3,225,518	16,295,245	18,001,055
1983	978,249	490,042	4,380,599	2,432,547	5,642,708	NA	2,910,767	15,366,621	16,834,914
1984	1,076,881	528,754	4,555,465	2,524,244	6,153,841	NA	3,111,342	16,344,893	17,950,524
1985	966,047	503,766	4,433,377	2,432,382	5,901,288	NA	3,044,083	15,811,130	17,280,943
1986	922,524	485,041	4,313,969	2,318,335	5,579,057	NA	2,602,370	14,813,731	16,221,296
1987	1,149,383	519,170	4,314,833	2,430,064	5,953,308	NA	2,844,051	15,542,256	17,210,809
1988	1,095,883	613,912	4,630,330	2,670,465	6,383,382	NA	2,635,616	16,319,793	18,029,588
1989	1,069,902	629,308	4,780,638	2,717,722	6,816,244	NA	2,787,012	17,101,615	18,800,826
1990	1,236,392	659,816	4,391,324	2,622,721	7,018,414	270	2,786,153	16,818,882	18,715,090
1991	1,129,268	601,305	4,555,659	2,728,581	7,230,962	367	2,789,014	17,304,582	19,035,156
1992	1,170,821	587,710	4,690,065	2,802,751	7,526,898	511	2,765,608	17,785,833	19,544,364
1993	1,171,940	624,308	4,956,445	2,861,569	7,981,433	960	2,682,440	18,482,847	20,279,095
1994	1,123,720	685,362	4,847,702	2,895,013	8,167,033	1,741	2,987,146	18,898,635	20,707,717
1995	1,220,168	700,335	4,850,318	3,031,077	8,579,585	2,674	3,196,507	19,660,161	21,580,665
1996	^R 1,249,662	711,446	5,241,414	3,158,244	8,870,422	2,932	2,732,496	20,005,508	^R 21,966,616
1997	^R 1,203,179	^R 751,470	4,983,772	^R 3,214,912	^R 8,832,450	4,424	^R 2,968,453	^R 20,004,012	^R 21,958,660
1998	1,157,498	635,477	4,520,276	2,999,491	8,686,147	5,079	3,258,054	19,469,047	21,262,023

^R = Revised data.
NA = Not available.

Notes: Beginning with 1965 data, all volumes are shown on a pressure base of 14.73 psia at 60 degrees Fahrenheit. For prior years, the pressure base is 14.65 psia at 60 degrees Fahrenheit. Number of vehicle fuel consumers generally refers to the number of fueling stations. 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.

Sources: 1930-1975: Bureau of Mines, *Minerals Yearbook*, "Natural Gas" chapter. 1976-1978: Energy Information Administration (EIA), Energy Data Reports, *Natural Gas Annual*. 1979: EIA, *Natural Gas Production and Consumption, 1979*. 1980-1989: EIA, Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" and Form EIA-759, "Monthly Power Plant Report"; 1990: EIA, Form EIA-176, Form EIA-759, and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; 1991-1995: EIA, Form EIA-176, Form EIA-759, Form EIA-64A, and Form EIA-627, "Annual Quantity and Value of Natural Gas Report." 1996-1998: EIA, Form EIA-176, Form EIA-759, Form EIA-64A, and Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

Figure 24. Average Price of Natural Gas Delivered to U.S. Consumers, 1967-1998



Sources: Electric Utilities: 1967-1977: Federal Power Commission (FPC). 1978-1993: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report;" Federal Energy Regulatory Commission (FERC), Form FERC-423, "Cost and Quality of Fuels for Electric Utility Plants" and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." All other data: 1967-1975: Bureau of Mines, *Minerals Yearbook*, "Natural Gas" chapter. 1976-1978: Energy Information Administration, Energy Data Report, *Natural Gas Annual*. 1979: Energy Information Administration, *Natural Gas Production and Consumption 1979*. 1980-1998: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" and Federal Energy Regulatory Commission (FERC), Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 101. Average Price of Natural Gas Delivered to U. S. Consumers, 1967-1998
(Dollars per Thousand Cubic Feet)

Year	Delivered to Consumers				
	Residential	Commercial	Industrial	Vehicle	Electric Utilities
1967	1.04	0.74	0.34	NA	0.28
1968	1.04	0.73	0.34	NA	0.22
1969	1.05	0.74	0.35	NA	0.27
1970	1.09	0.77	0.37	NA	0.29
1971	1.15	0.82	0.41	NA	0.32
1972	1.21	0.88	0.45	NA	0.34
1973	1.29	0.94	0.50	NA	0.38
1974	1.43	1.07	0.67	NA	0.51
1975	1.71	1.35	0.96	NA	0.77
1976	1.98	1.64	1.24	NA	1.06
1977	2.35	2.04	1.50	NA	1.32
1978	2.56	2.23	1.70	NA	1.48
1979	2.98	2.73	1.99	NA	1.81
1980	3.68	3.39	2.56	NA	2.27
1981	4.29	4.00	3.14	NA	2.89
1982	5.17	4.82	3.87	NA	3.48
1983	6.06	5.59	4.18	NA	3.58
1984	6.12	5.55	4.22	NA	3.70
1985	6.12	5.50	3.95	NA	3.55
1986	5.83	5.08	3.23	NA	2.43
1987	5.54	4.77	2.94	NA	2.32
1988	5.47	4.63	2.95	NA	2.33
1989	5.64	4.74	2.96	NA	2.43
1990	5.80	4.83	2.93	3.39	2.38
1991	5.82	4.81	2.69	3.96	2.18
1992	5.89	4.88	2.84	4.05	2.36
1993	6.16	5.22	3.07	4.27	2.61
1994	6.41	5.44	3.05	4.11	2.28
1995	6.06	5.05	2.71	3.98	2.02
1996	6.34	5.40	3.42	4.34	2.69
1997	6.94	^R 5.80	3.59	4.44	^R 2.78
1998	6.82	5.48	3.14	4.59	2.40

^R = Revised data.

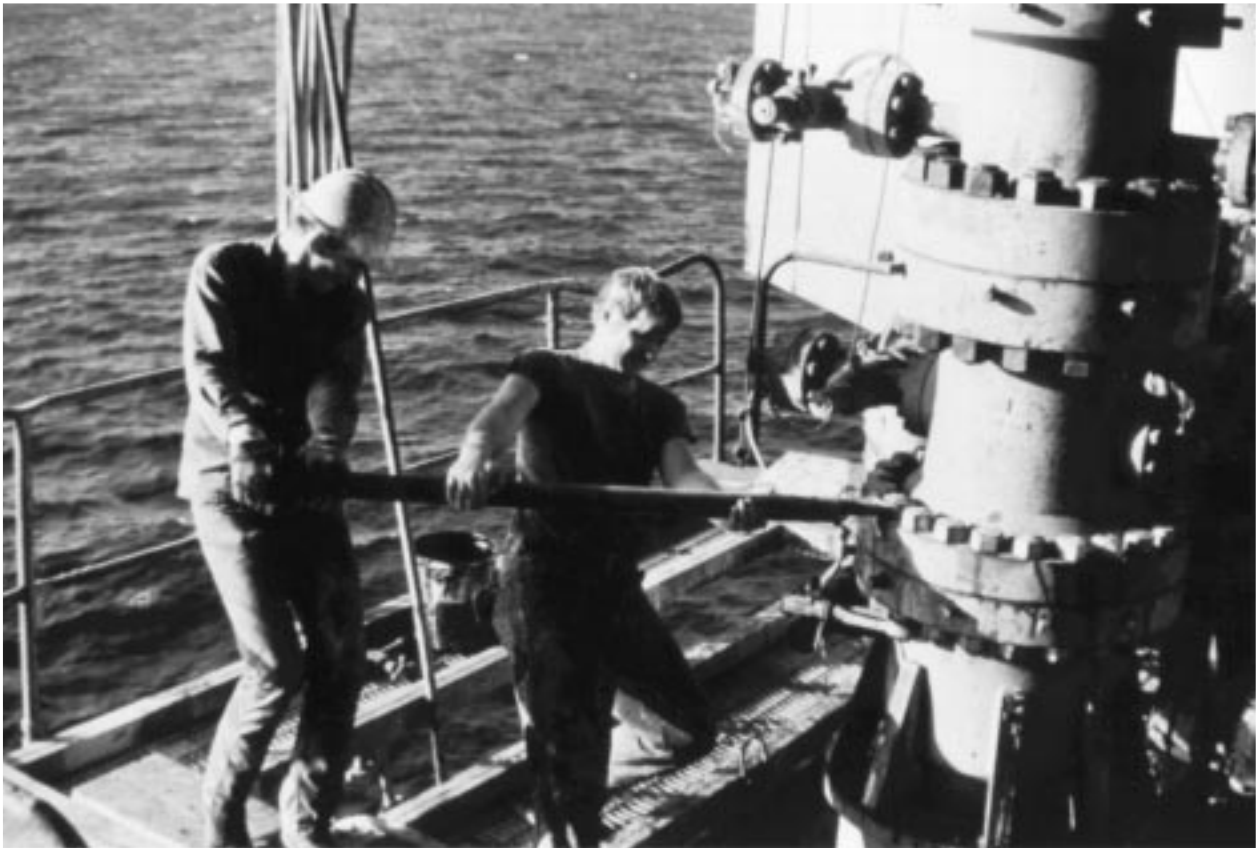
NA = Not available.

Notes: Beginning in 1987, prices for deliveries to consumers are calculated using only on-system sales data. Due to large amounts of missing data for values of lease and plant fuel since 1987, prices are not estimated. In previous years, imputations were made for missing data and a price was calculated using reported and imputed data to derive a total value for gas consumed. Since total consumption value estimates were not made since 1987, no lease and plant fuel value estimate was made. 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.

Sources: Electric Utilities: 1967-1977: Federal Power Commission (FPC). 1978-1996: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report"; Federal Energy Regulatory Commission (FERC), Form FERC-423, "Cost and Quality of Fuels for Electric Utility Plants"; and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." All other data: 1967-1975: Bureau of Mines, *Minerals Yearbook*, "Natural Gas" chapter. 1976-1978: EIA, Energy Data Report, *Natural Gas Annual*. 1979: EIA, *Natural Gas Production and Consumption, 1979*. 1980-1998: EIA, Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Summary of Data Collection and Report Methodology



Workmen perform maintenance on this offshore natural gas drilling platform.

Appendix A

Summary of Data Collection Operations and Report Methodology

The 1998 data for the Natural Gas Annual are taken primarily from Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition” and Form EIA-895, “Monthly Quantity and Value of Natural Gas Report.” Each of these surveys and all other sources of data for this report are discussed separately in the following sections.

Form EIA-176

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 revision 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 consumers for the account of others. The revised form was approved for use during report years 1987 through 1989. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas.

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 (OMB) approval in 1993, the Form EIA-176 was revised. All deliveries to consumers are now categorized as firm or interruptible. Commercial and industrial consumers are further 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.

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

In January 1999, forms for report year 1998 were mailed to all identified interstate natural gas pipeline companies; intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) other than for lease or plant use or processing; and field, well, or processing-plant operators that transport gas to, across, or from a State border through field or gathering facilities. Detailed instructions for completing the form were included in each survey package.

Completed forms were returned to the Natural Gas Division, Office of Oil & Gas, where each was checked for errors, corrected as necessary, and processed into computer-generated State and national data summaries.

Change in Definition of Consumption Sector

With the 1996 annual reporting cycle, the Energy Information Administration has changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. Most natural gas consumed in

agriculture is used to drive irrigation systems and to dry crops. Separate reports of the volumes affected are not available so the direct impact of this change is not known.

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 in the instructions.

Response Statistics

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing totaled 1910 questionnaire packages. To this original mailing, 5 names were added and 32 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 1,883 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1883 responses were entered into the data base. There were 50 nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The Form EIA-176 is a five-page form consisting of seven parts. Part I of the form contains identifying information including the company identification number, the company name and address, the State for which the report is filed, and address correction information. Part II contains certification information. The body of the form (Parts III-VII) is a multiline schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents filed completed forms with the EIA in Washington, D.C. Data for the year 1998 were due April 1, 1999.

Computer edit programs verified the report year, State code, and arithmetic totals. Further tests were made to ensure that all necessary data elements were present and that the data were reasonable and internally consistent. The computerized edit system produced error listings with messages for each

failed edit test. To resolve problems, respondents were contacted by telephone and were required to file amended forms with corrected data.

All natural gas and supplemental gaseous fuels volumes were reported on a physical custody basis in thousand cubic feet, and dollar values were reported to the nearest whole dollar. All volumes were reported at 14.73 pounds per square inch absolute pressure and 60 degrees Fahrenheit. Other minor report standards were specified in the instructions booklet to assure that the filed data were consistent and could be readily processed.

Comparison of the Form EIA-176 with Other Data Sources

Comparison of the EIA-176 data with data from similar series is another method of ensuring the validity of the data published in this report. This comparison on a company-by-company basis showed significant differences that respondents were required to reconcile.

The FPC-14, "Annual Report for Importers and Exporters of Natural Gas," was discontinued in September 1995. Data on imports and exports of natural gas, as collected by the EIA-176 survey, were checked by comparing individual responses with quarterly data reports, "Natural Gas Imports and Exports," filed with the Office of Fossil Energy, U.S. Department of Energy. These quarterly reports are required as a condition of import/export authorizations. Where discrepancies were noted, respondents were required to file corrected reports.

Similarly, data on the underground storage of natural gas were compared with submissions of Form EIA-191, Underground Gas Storage Report." If significant differences were noted, companies were contacted to reconcile the discrepancies. During 1998, the 117 companies filing the Form EIA-191 reported total injections of 2,905 billion cubic feet and total withdrawals of 2,386 billion cubic feet. This compares to 2,904 billion cubic feet of injections and 2,377 billion cubic feet of withdrawals, as reported on the Form EIA-176.

Data on deliveries to residential, commercial, and industrial consumers were compared with data submitted on Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." Where discrepancies were noted, respondents were required to file corrected reports for either and sometimes both surveys. Numerous telephone calls were made to clarify any misunderstandings concerning the correct filing of both forms. Typical errors included electric utility volumes combined with industrial volumes, sale for resale

volumes reported as industrial consumption, cogeneration volumes not reported on Form EIA-857, and misinterpretation of general instructions.

A discussion of the comparison of the data on deliveries to electric utilities filed on Form EIA-176 and that reported in the EIA publication, *Electric Power Annual*, is included in this Appendix under "Electric Utility Data."

Routine Form EIA-176 Edit Checks

A series of manual and computerized edit checks were used to screen the Form EIA-176. The edits performed included validity, arithmetic, and analytical checks. A computerized check was also made for consistency with previous filings.

The incoming forms for the survey were reviewed prior to keying. This prescan determined if the respondent identification (ID) number and the company name and address were correct, if the data on the form appeared complete and reasonable, and if the certifying information was complete.

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

Form EIA-627 and Form EIA-895

Survey Design

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from appropriate State agencies were collected on Form EIA-627. 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, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In April 1999, forms for report year 1998 were mailed to the appropriate agencies in 33 States. Completed forms were returned to the Data Operations Branch of the Reserves and Natural Gas Division for review, processing, and compilation.

In 1996, the Reserves and Natural Gas Division redesigned the Form EIA-895, formerly known as the "Monthly Quantity of Natural Gas Report." The Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," has a Monthly and Annual Schedule (replaces the Form EIA-627) for quantity and value of natural gas production. The Annual Schedule is to be filed with the December Monthly Schedule each year and should include any changes or updates in previously reported monthly data.

Response Statistics

Of the 33 natural gas producing States, 31 participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data for the 2 nonresponding States (Illinois and West Virginia) were estimated. Data on the quantities of nonhydrocarbon gases removed in 1998 were reported by the appropriate agencies of 22 of the 33 producing States. These 22 States accounted for 66 percent of total 1998 gross withdrawals. In addition, the gross withdrawal data from Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 39 percent of total production, excluded all or most of the nonhydrocarbon gases removed on leases. Gross withdrawals from Louisiana excludes most quantities of nonhydrocarbon gases removed on leases. 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 (116,946), Colorado (387,376), and New Mexico (608,000).

Summary of EIA-895 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 for reporting the annual data, including 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,

Figure A1. Form EIA-176

EIA-176 (Revised 1996)

Form Approved
OMB No. 19050175
Expires 12/31/99

U.S. DEPARTMENT OF ENERGY
Energy Information Administration
Washington DC 20585

ANNUAL REPORT OF NATURAL AND SUPPLEMENTAL GAS SUPPLY AND DISPOSITION, 19

This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). For the provisions concerning the confidentiality of information and sanctions statement, see Sections VI and VII of the instructions. Respondents are not required to file or reply to any Federal collection of information unless it has a valid OMB control number. Public reporting burden for this collection of information is estimated to average 20.8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Energy Information Administration, Office of Statistical Standards, EI-73, 1000 Independence Avenue, S.W., Washington, D.C. 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

EIA USE

Affix mailing label or enter mail address

Control (ID) No. _____

Name: _____

Operations in (State): _____

Street or Post Office Box: _____

City, State, Zip Code: _____

Attention: _____

RESPONDENT COPY.
Retain for your files.

PART I: IDENTIFICATION			
1.0 Control No.	2.0 Company Name	3.0 Report State	EIA <input type="checkbox"/> <input type="checkbox"/> 4.0 Resubmittal <input type="checkbox"/> Date
5.0 Company status, name, and/or address change or correction. (Check appropriate box)			
a. <input type="checkbox"/> Name and address on mailing label are correct. b. <input type="checkbox"/> Change name, attention line, and/or mail address as indicated below. c. <input type="checkbox"/> Company was sold to , or merged with, company entered below. d. <input type="checkbox"/> Company went out of business. Customer accounts taken over by company entered below. e. <input type="checkbox"/> Other changes, corrections, or comments: _____ _____			
5.1 Change company name and/or address to:			
a. Company Name: _____ b. Operations in (State): _____ c. Street or Post Office Box: _____ d. City, State, Zip Code: _____ e. Attention: _____			

PART II: CONTACT PERSON	
1.0 Name (Type or Print)	2.0 Telephone Number (including Area Code and Extension)
3.0 Signature	4.0 Date



1.0 Control No.	2.0 Company Name	3.0 Report State	EIA	4.0 Resubmittal
			Date:	

PART III: TYPE OF COMPANY AND GAS ACTIVITIES OPERATED IN THE REPORT STATE

<p>1.0 Type of Company (check one)</p> <p>a <input type="checkbox"/> Investor owned distributor</p> <p>b <input type="checkbox"/> Municipally owned distributor</p> <p>c <input type="checkbox"/> Interstate pipeline</p> <p>d <input type="checkbox"/> Intrastate pipeline</p> <p>e <input type="checkbox"/> Storage operator</p> <p>f <input type="checkbox"/> SNG plant operator</p> <p>g <input type="checkbox"/> Integrated oil and gas</p> <p>h <input type="checkbox"/> Producer</p> <p>i <input type="checkbox"/> Gatherer</p> <p>j <input type="checkbox"/> Processor</p> <p>k <input type="checkbox"/> Other (specify)</p>	<p>2.0 Gas Activities Operated On-system Within the Report State (check all that apply)</p> <table style="width:100%;"> <tr> <td style="width:50%;">a <input type="checkbox"/> Produced Natural Gas</td> <td style="width:50%;">m <input type="checkbox"/> Delivered for Resale</td> </tr> <tr> <td>b <input type="checkbox"/> Gathered</td> <td>n <input type="checkbox"/> Delivered directly to consumers</td> </tr> <tr> <td>c <input type="checkbox"/> Processed</td> <td>o <input type="checkbox"/> Other (specify)</td> </tr> <tr> <td>d <input type="checkbox"/> Purchased</td> <td>_____</td> </tr> <tr> <td>e <input type="checkbox"/> Transported Interstate</td> <td></td> </tr> <tr> <td>f <input type="checkbox"/> Transported Intrastate</td> <td></td> </tr> <tr> <td>g <input type="checkbox"/> Stored Underground</td> <td></td> </tr> <tr> <td>h <input type="checkbox"/> Stored LNG</td> <td></td> </tr> <tr> <td>i <input type="checkbox"/> Injected Propane-air</td> <td></td> </tr> <tr> <td>j <input type="checkbox"/> Produced SNG</td> <td></td> </tr> <tr> <td>k <input type="checkbox"/> Imported</td> <td></td> </tr> <tr> <td>l <input type="checkbox"/> Exported</td> <td></td> </tr> </table>	a <input type="checkbox"/> Produced Natural Gas	m <input type="checkbox"/> Delivered for Resale	b <input type="checkbox"/> Gathered	n <input type="checkbox"/> Delivered directly to consumers	c <input type="checkbox"/> Processed	o <input type="checkbox"/> Other (specify)	d <input type="checkbox"/> Purchased	_____	e <input type="checkbox"/> Transported Interstate		f <input type="checkbox"/> Transported Intrastate		g <input type="checkbox"/> Stored Underground		h <input type="checkbox"/> Stored LNG		i <input type="checkbox"/> Injected Propane-air		j <input type="checkbox"/> Produced SNG		k <input type="checkbox"/> Imported		l <input type="checkbox"/> Exported	
a <input type="checkbox"/> Produced Natural Gas	m <input type="checkbox"/> Delivered for Resale																								
b <input type="checkbox"/> Gathered	n <input type="checkbox"/> Delivered directly to consumers																								
c <input type="checkbox"/> Processed	o <input type="checkbox"/> Other (specify)																								
d <input type="checkbox"/> Purchased	_____																								
e <input type="checkbox"/> Transported Interstate																									
f <input type="checkbox"/> Transported Intrastate																									
g <input type="checkbox"/> Stored Underground																									
h <input type="checkbox"/> Stored LNG																									
i <input type="checkbox"/> Injected Propane-air																									
j <input type="checkbox"/> Produced SNG																									
k <input type="checkbox"/> Imported																									
l <input type="checkbox"/> Exported																									

PART IV: SUPPLY OF NATURAL AND SUPPLEMENTAL GAS RECEIVED WITHIN OR TRANSPORTED INTO REPORT STATE

	Volume (Mcf at 14.73 psia)	e or f	Cost (Including taxes)	e or f
1.0 Company-owned natural gas produced on-system				
2.0 On-system purchases received:				
2.1 From producers, gatherers, and/or gas processors				
2.2 From pipelines and/or distribution companies				
2.3 From synthetic natural gas plants or SNG pipeline				
2.4 At State line or U.S. border from:				
Company _____				
State or Country _____				
(Continue on Part VI, if more space is needed)				
3.0 Transportation and/or exchange receipts:				
3.1 Received within the report State				
3.2 Received at the State line or U.S. border from:				
Company _____				
State or Country _____				
(Continue on Part VI, if more space is needed)				
4.0 Transportated into the report State from:				
State or Country _____				
(Continue on Part VI, if more space is needed)				
5.0 Withdrawn from storage facilities:				
5.1 Withdrawn from company-opeated underground storage:				
5.1.1 Company-owned natural gas				
5.1.2 Natural gas owned by others				
5.2 Company-owned natural gas received directly from underground storage operators				
5.3 Received from underground storage operators for the account of others				
5.4 From liquefied natural gas storage				
6.0 Synthetic natural gas produced				
7.0 Other sources of supply (specify source and/or kind of fuel): _____				
Continue on Part VI, if more space is needed)				
8.0 Total supply within report State				

EIA-176, ANNUAL REPORT OF NATURAL AND SUPPLEMENTAL GAS SUPPLY AND DISPOSITION, 19

1.0 Control No.	2.0 Company Name	3.0 Report State	EIA <input type="checkbox"/>	4.0 Resubmittal <input type="checkbox"/>	Date	
PART V: DISPOSITION OF NATURAL AND SUPPLEMENTAL GAS WITHIN OR TRANSPORTED OUT OF REPORT STATE						
			Volume (Mcf at 14.73 psia)	e or f	Cost or Revenue (Including taxes)	e or f
1.0	Used in well, lease, and field operations					
2.0	Returned to oil and/or gas reservoirs					
3.0	Used, removed, or lost in gas processing or treating plants					
3.1	Company-operated plants:					
3.1.1	Volume delivered to company-operated plants for redelivery <input type="text"/> Mcf					
3.1.2	Volume used for plant fuel					
3.1.3	Extraction loss estimated gas phase volume of liquids extracted					
3.1.4	Volume of nonhydrocarbons removed (e.g. H ₂ S & CO ₂)					
3.1.5	Vented, flared, and/or lost					
3.2	Plants operated by others:					
3.2.1	Volume delivered to plants operated by others for redelivery <input type="text"/> Mcf					
3.2.2	Total volume used, removed, vented and/or flared					
4.0	Added to storage facilities:					
4.1	Injected into company-operated underground storage:					
4.1.1	Company-owned natural gas					
4.1.2	Natural gas owned by others					
4.2	Company owned gas delivered directly to underground storage operators					
4.3	Delivered to underground storage operators for the account of others					
4.4	Added to liquefied natural gas storage					
5.0	Deliveries of company-owned natural gas					
5.1	Delivered to other pipelines within the report State					
5.2	Delivered to resellers (e.g., distribution companies)					
5.3	Delivered at the State line or U.S. border to: Company _____ State or Country _____ (Continue on Part VI if more space is needed)					
5.4	Delivered directly to consumers <input type="text"/> Number of consumers					
5.4.1	Residential sales <input type="text"/>					
5.4.1.1	Firm					
5.4.1.2	Interruptible					
5.4.2	Commercial Sales <input type="text"/>					
5.4.2.1	Commercial (excluding nonutility power producer sales)					
5.4.2.1.1	Firm					
5.4.2.1.2	Interruptible					
5.4.2.2	Commercial nonutility power producer sales					
5.4.2.2.1	Firm					
5.4.2.2.2	Interruptible					
5.4.3	Industrial Sales <input type="text"/>					
5.4.3.1	Industrial (excluding nonutility power producer sales)					
5.4.3.1.1	Firm					
5.4.3.1.2	Interruptible					
5.4.3.2	Industrial nonutility power producer sales					
5.4.3.2.1	Firm					
5.4.3.2.2	Interruptible					
5.4.4	Other Nonutility Power Producer Sales <input type="text"/>					
5.4.4.1	Firm					
5.4.4.2	Interruptible					

EIA-176, ANNUAL REPORT OF NATURAL AND SUPPLEMENTAL GAS SUPPLY AND DISPOSITION, 19



1.0 Control No.	2.0 Company Name	3.0 Report State	EIA	4.0 Resubmittal	Date
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PART V: CONTINUATION, DISPOSITION OF NATURAL AND SUPPLEMENTAL GAS WITHIN OR TRANSPORTED OUT OF REPORT STATE

		Volume (Mcf at 14.73 psia)	e or f	Cost or Revenue (Including taxes)	e or f
Delivered directly to consumers	Number of consumers				
5.4.5 Electric Utility Sales	<input type="text"/>				
5.4.5.1 Firm					
5.4.5.2 Interruptible					
5.4.6 Natural Gas Used as Vehicle Fuel	<input type="text"/>				
5.4.6.1 Firm					
5.4.6.2 Interruptible					
6.0 Average heat content of gas delivered directly to consumers	<input type="text"/> Btu				
7.0 Natural gas transported for the account of others					
7.1 Delivered to other pipelines within the report State					
7.2 Delivered to resellers for the account of others					
7.3 Delivered at the State line or U.S. border to:					
Company _____					
State or Country _____					
(Continue on Part VI if more space is needed)					
7.4 Transported and delivered to consumers for the account of others:	Number of consumers				
7.4.1 Residential Consumers	<input type="text"/>				
7.4.1.1 Firm					
7.4.1.2 Interruptible					
7.4.2 Commercial Consumers	<input type="text"/>				
7.4.2.1 Commercial (excluding nonutility power producer consumers)					
7.4.2.1.1 Firm					
7.4.2.1.2 Interruptible					
7.4.2.2 Commercial nonutility power producer consumers					
7.4.2.2.1 Firm					
7.4.2.2.2 Interruptible					
7.4.3 Industrial Consumers	<input type="text"/>				
7.4.3.1 Industrial (excluding nonutility power producer consumers)					
7.4.3.1.1 Firm					
7.4.3.1.2 Interruptible					
7.4.3.2 Industrial nonutility power producer consumers					
7.4.3.2.1 Firm					
7.4.3.2.2 Interruptible					
7.4.4 Other Nonutility Power Producer Consumers	<input type="text"/>				
7.4.4.1 Firm					
7.4.4.2 Interruptible					
7.4.5 Electric Utility Sales	<input type="text"/>				
7.4.5.1 Firm					
7.4.5.2 Interruptible					
7.4.6 Natural Gas Used as Vehicle Fuel	<input type="text"/>				
7.4.6.1 Firm					
7.4.6.2 Interruptible					
8.0 Deliveries of exchange gas or storage gas					
8.1 Delivered at point(s) within the report State					
8.2 Delivered at the State line or U.S. Border to					
Company _____					
State or Country _____					
(Continue on Part VI if more space is needed)					
9.0 Used in pipeline, storage, and/or distribution operations					
10.0 Other disposition (specify)	<input type="text"/>				
(Continue on Part VI if more space is needed)					
11.0 Total disposition accounted for					
12.0 Unaccounted for gas supply (+) or disposition (-)					



1.0 Control No.	2.0 Company Name	3.0 Report State	EIA	4.0 Resubmittal	Date:
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PART VI: CONTINUATION SHEET
 (To be used only if insufficient space was provided in Part IV and/or Part V)

Supply (Continued)	Volume (Mcf at 14.73 psia)	e or f	Cost or Revenue (Including taxes)	e or f	
PART IV, 2.4 On-system purchases received at State line or U.S. border from: (Continued) Company _____ State or Country _____					
Company _____ State or Country _____					
PART IV, 3.2 Transportation and or exchange receipts at State line or U.S. border from: (Continued) Company _____ State or Country _____					
Company _____ State or Country _____					
PART IV, 4.0 Transported into the report State from: (Cont'd) State or Country _____ State or Country _____ State or Country _____ State or Country _____					
PART IV, 7.0 Other sources of supply (specify source and/or kind of fuel): (Continued) _____ _____					
Disposition (Continued)					
PART V, 5.3 Company-owned natural gas deliveries at State line or U.S. border to: (Continued) Company _____ State or Country _____					
Company _____ State or Country _____					
PART V, 7.3 Transported for the account of others out of report State to: (Continued) State or Country _____ State or Country _____ State or Country _____ State or Country _____					
PART V, 8.2 Deliveries of exchange gas at State line or U.S. border to: (Continued) Company _____ State or Country _____					
Company _____ State or Country _____					
PART V, 10.0 Other disposition (specify): (Continued) _____ _____ _____					

Figure A2. Form EIA-176, Short Form

EIA-176 (Revised 1996)

Form Approved
OMB No. 19050175
Expires 12/31/99

U.S. DEPARTMENT OF ENERGY
Energy Information Administration
Washington DC 20585

ANNUAL REPORT OF NATURAL AND SUPPLEMENTAL GAS SUPPLY AND DISPOSITION, 19

**SHORT
FORM**

This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). For the provisions concerning the confidentiality of information and sanctions statement, see Sections VI and VII of the instructions. Respondents are not required to file or reply to any Federal collection of information unless it has a valid OMB control number. Public reporting burden for this collection of information is estimated to average 20.8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Energy Information Administration, Office of Statistical Standards, EI-73, 1000 Independence Avenue, S.W., Washington, D.C. 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

EIA USE

Affix mailing label or enter mail address

EIA COPY. Tear out, complete, and return to:

Energy Information Administration: EI-441
Mail Station: BG-094 FORSTL
U.S. Department of Energy
Washington, D.C. 20585
Attn: Form EIA-176

Control (ID) No. _____
Name: _____
Operations in (State): _____
Street or Post Office Box: _____
City, State, Zip Code: _____
Attention: _____

PART I: IDENTIFICATION			
1.0 Control No.	2.0 Company Name	3.0 Report State	EIA <input type="checkbox"/> <input type="checkbox"/> 4.0 Resubmittal <input type="checkbox"/> Date
5.0 Company status, name, and/or address change or correction. (Check appropriate box)			
a. <input type="checkbox"/> Name and address on mailing label are correct. b. <input type="checkbox"/> Change name, attention line, and/or mail address as indicated below. c. <input type="checkbox"/> Company was sold to, or merged with, company entered below. d. <input type="checkbox"/> Company went out of business. Customer accounts taken over by company entered below. e. <input type="checkbox"/> Other changes, corrections, or comments: _____ _____			
5.1 Change company name and/or address to:			
a. Company Name: _____ b. Operations in (State): _____ c. Street or Post Office Box: _____ d. City, State, Zip Code: _____ e. Attention: _____			
PART II: CONTACT PERSON			
1.0 Name (Type or Print)		2.0 Telephone Number (including Area Code and Extension)	
3.0 Signature		4.0 Date	

EIA-176, ANNUAL REPORT OF NATURAL AND SUPPLEMENTAL GAS SUPPLY AND DISPOSITION, 19



1.0 Control No.	2.0 Company Name	3.0 Report State	EIA	4.0 Resubmittal
				Date
PART V: CONTINUATION, DISPOSITION OF NATURAL AND SUPPLEMENTAL GAS WITHIN OR TRANSPORTED OUT OF REPORT STATE				
		Volume (Mcf at 14.73 psia)	e or f	Cost or Revenue (Including taxes)
				e or f
5.4.4 Other Nonutility Power Producer Sales	<input type="text"/>			
5.4.4.1 Firm				
5.4.4.2 Interruptible				
5.4.5 Electric Utility Sales	<input type="text"/>			
5.4.5.1 Firm				
5.4.5.2 Interruptible				
5.4.6 Natural Gas Used as Vehicle Fuel	<input type="text"/>			
5.4.5.1 Firm				
5.4.5.2 Interruptible				
6.0 Average heat content of gas delivered directly to consumers (Btu per cubic foot)	<input type="text"/> Btu			
10.0 Other disposition (specify)	<input type="text"/>			
(Continue on Part VI, if more space is needed)				
11.0 Total disposition accounted for				
12.0 Unaccounted for gas supply (+) or disposition (-)				

EIA-176, ANNUAL REPORT OF NATURAL AND SUPPLEMENTAL GAS SUPPLY AND DISPOSITION, 19



1.0 Control No.	2.0 Company Name	3.0 Report State	EIA	4.0 Resubmittal	Date:
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PART VI: CONTINUATION SHEET Sheet ____ of ____
 (To be used only if insufficient space was provided in Part IV and/or Part V)

Supply (Continued)	Volume (Mcf at 14.73 psia)	e or f	Cost or Revenue (Including taxes)	e or f
PART IV, 7.0 Other sources of supply (specify source and/or kind of fuel): (Continued) <hr/> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <div style="width: 30%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> </div>				
Disposition (Continued)				
PART V, 10.0 Other disposition (specify): (Continued) <hr/> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <div style="width: 30%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> <div style="width: 10%; border-bottom: 1px solid black;"></div> </div>				

PART VII: FOOTNOTES

Part No.	Item No.	EIA Use	Sub-item (State, Company, or Line)	Line No.	Footnote

RESPONDENT COPY Page 4

pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; 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.

Routine Form EIA-895 Edit Checks

Each filing of the Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Value data are compared to the previous year's data for reasonableness. When data on nonhydrocarbon gases removed, gas vented and flared, and gas used for repressuring are not reported for a State that historically reported one or more of these items, a volume is imputed. The imputation is based on the average ratio of gas volumes in the missing category to total gross withdrawals in States with values reporting gas in that category. This average ratio is applied to the volume of total gross withdrawals reported by the State to calculate the volume for the missing items. State agencies are contacted by telephone in order to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Comparison of the Form EIA-895 with Other Data Sources

Annual production data, as reported on the Form EIA-895, are compared to the sum of monthly data previously reported on the Monthly Schedule. The comparison is made in order to assure the reasonableness of the data reported on the Form EIA-895, Annual Schedule. Any significant differences are resolved by contacting the reporting State.

For discussion of the comparison of production data collected on Form EIA-895 and that collected on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," see the EIA report, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*.

Electric Utility Data

The electric utility data published in this report are taken from the Forms EIA-759, "Monthly Power Plant Report" and FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." These data were used in order to maintain consistency among EIA publications. Electric data are necessary on the Form EIA-176 to provide a supply/disposition balance on the form. Differences in the two surveys are apparent

in the results published in Table 15, "Natural Gas Deliveries to Consumers by State," and Table 18, "Natural Gas Delivered to Electric Utilities for the Account of Others by State," where volumes in Table 18 sometimes exceed volumes in Table 15. A State-by-State comparison of the reported volumes of natural gas, as collected on the Forms EIA-176 and EIA-759 is shown in Table A1. The national totals differ by 327 billion cubic feet or 11 percent in relative terms.

While processing the data reported on the Form EIA-176, the EIA made special efforts to determine the reasons for the differences in reporting of electric utility data on the Forms EIA-176 and EIA-759. Typical instances of misreporting occurred in the reporting of gas delivered to electric utilities for the account of others. Some companies reported these deliveries under sales for resale. Others reported them under transportation, exchange and/or storage deliveries. A few others reported them under transported to industrials. Companies making mistakes were asked to refile, and new companies were asked to file when they were found making deliveries of gas. Most companies were cooperative, and their refilings and new filings improved the accuracy of the data.

Other Data Sources

The U.S. Minerals Management Service (USMMS) supplied data on the quantity and value of natural gas production and the number of producing wells in the Gulf of Mexico Outer Continental Shelf. Volumes of extraction losses were reported on Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." Heat (Btu) content extraction loss was estimated from data reported on Form EIA-64A and Form EIA-816, "Monthly Natural Gas Liquids Report." Volumes and prices of natural gas imports and exports were reported to the Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. These data are nonproprietary and are filed annually by each individual or organization having authorization to import and export natural gas.

Report Methodology

Marketed Production

Marketed production of natural gas is taken from responses to Part IV of the Form EIA-895. It is the quantity of natural gas produced that is available for marketing and is reported in Tables 3 and 7. It refers to quantities of gas available after processes related to production are complete. These processes are repressuring, pressure maintenance, cycling, venting and flaring, removing nonhydrocarbon gases, using fuel on the lease.

Figure A3. Form EIA-895

Form Approved
OMB No. 19050192
Expires: 12/31/99

U.S. DEPARTMENT OF ENERGY
Energy Information Administration
Washington, DC 20585

EIA-895

EIA-895, MONTHLY QUANTITY AND VALUE OF NATURAL GAS REPORT										
PART IV: ANNUAL SCHEDULE (to be completed when a calendar year of monthly reports has been completed)										
Enter the total number of producing gas wells in operation as of December 31 for the reporting year.										
Month	Gas and Condensate Wells	Oil Wells (Casinghead)	Total	Used for Repressuring, Etc.	Vented and Flared	Nonhydrocarbon Gases Removed	Natural Gas Used as Fuel on Leases	Marketed Production	Value of Marketed Production	Quantity of Marketed Production (Value Based)
January										
February										
March										
April										
May										
June										
July										
August										
September										
October										
November										
December										
Total										
PART V: COMMENTS										

Average wellhead prices are calculated from volumes and values reported in Part IV of the Form EIA-895. These data are shown as "Reported Wellhead Value" in Table 7. The volumes in this section refer to the actual amounts of natural gas reported to the States as sold.

In many States, the marketed production volumes are larger than the reported wellhead value volumes. Differences in these volumes generally result from differences in definition and reporting requirements for separate data systems in the State. For example, while production quantities of federal, tribal, and State royalty gas are included in marketed production, some State reporting rules exclude these quantities from reported wellhead value volumes.

Natural Gas Processed and Extraction Loss

Extraction loss is the reduction in the volume of natural gas available for disposition resulting from the removal of natural gas liquid constituents at natural gas processing plants. It represents that portion of the "raw" gas stream that is transferred from the natural gas supply chain to the petroleum and natural gas liquids supply chain. Extraction loss does not include the reduction in volume resulting from the removal of nonhydrocarbon constituents or gas used as fuel, vented, flared, or otherwise disposed of within natural gas processing plants. Extraction loss also results in a reduction in the total heat (Btu) content of the natural gas stream equal to the heat content of the liquids extracted.

The Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production," collects data on the volume of natural gas received for processing, the total quantity of natural gas liquids produced, and the resulting shrinkage (defined as extraction loss in this report) from all natural gas processing- and cycling-plant operators. The quantity of natural gas received and liquids produced are reported by State of origin of the natural gas. Shrinkage volumes are calculated and reported by plant operators based upon the chemical composition of the liquids extracted using standard conversion factors specified in the form instructions. A description of the Form EIA-64A survey is presented in the EIA publication, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*.

The heat (Btu) content of liquids extracted is not reported on the Form EIA-64A. Therefore, in order to estimate the extraction loss heat content, data reported on the Form EIA-816, "Monthly Natural Gas Liquids Report," were used to determine the individual products contained in the total liquids reported on Form EIA-64A. A description of the Form EIA-816 survey is presented in the EIA publication, *Petroleum Supply Annual 1998, Volume II*.

To estimate the quantities of individual products extracted in each State, data from the Form EIA-64A survey were used to determine the total liquids production, and data from the Form EIA-816 survey were used to estimate the quantities of the individual products contained in those total liquids.

The Form EIA-816 captures information on the quantity of individual components (i.e., ethane, propane, normal butane, isobutane, and pentanes plus) produced or contained in mixes of plant liquids as determined by chemical analysis. The volumetric ratios of the individual components to the total liquids, as calculated from the 12 monthly Form EIA-816 reports for each State, were applied to the annual total liquids production, as reported on the Form EIA-64A, to estimate the quantities of individual components removed at gas-processing plants (Table A4).

The heat (Btu) content of extracted liquids was estimated by applying conversion factors to the estimated quantities of products extracted in each State. These conversion factors, in million Btu per barrel of liquid produced, were ethane, 3.082; propane, 3.836; normal butane, 4.326; isobutane, 3.974; and pentane plus, 4.620. It should be noted that, at the State level, extraction losses are not necessarily related to State production. All gas processed in 9 States originated, or was produced in those States; but part of the gas processed in the other 15 States originated outside of the State in which the gas was processed. Gas produced from 9 States (Arizona, Indiana, Maryland, Missouri, New York, Oregon, South Dakota, Tennessee, and Virginia) was not processed.

For comparative purposes, the quantities of natural gas delivered to processing plants, total liquids extracted, and estimated volumetric and heat content extraction losses by State or origin of the gas (i.e., the State in which the gas was produced) are shown in Table A5.

Lease and Plant Fuel

Lease and plant fuel represent those quantities of natural gas used in well, field, and/or lease operations (such as gas used in drilling operations, heaters, dehydrators, and field compressors) and as fuel in natural gas processing plants.

Lease fuel data were collected for report year 1998, on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report." Of the 33 States reporting on the Form EIA-895, 21 States reported quantities of natural gas used as lease fuel. In the absence of reporting quantities on the Form EIA-895, the Form EIA-176 was used to estimate lease fuel quantities. Although EIA recognizes that lease data collected on the Form EIA-176 do not constitute a census or result from a statistically selected sample, the data collected in the survey provide

the best information available to the EIA for estimating such usage. To estimate lease use during 1998 (Table 14), several simplifying assumptions were made:

- The quantity of gas used for lease fuel was assumed to be a function of gross withdrawals of natural gas from gas and oil wells.
- The average proportion of company-owned on-system production reported as used in lease operations by respondents to the Form EIA-176 was assumed to be typical of the average use by all operators as a proportion of gross withdrawals.
- Average usage was calculated separately for Alaska and for the lower 48 States to reflect the distinctive field operations in Alaska, particularly on the North Slope.

Form EIA-176 respondents reported volumes of company-owned onsystem production amounting to 9 percent of 1998 gross withdrawals (37 percent of withdrawals in Alaska and 4 percent of withdrawals in the lower 48 States). Lease use reported by respondents averaged 0.02432 per thousand cubic feet of reported production in Alaska and 0.02171 per thousand cubic feet of reported production in the lower 48 States. The fuel-use estimates shown in Table 13 were calculated by applying the above ratios to the gross withdrawals from the various States (Table 3), not reporting lease use on the EIA-895.

Natural Gas Consumed as a Vehicle Fuel

Data on deliveries of natural gas delivered for use as a vehicle fuel were collected for the first time in 1990. In 1990 and 1991 deliveries of natural gas for vehicle fuel use were included with volumes delivered to commercial consumers. Beginning with the *Natural Gas Annual 1992*, vehicle fuel volumes are no longer included with commercial volumes.

Coverage of Consumer Prices

Coverage for prices varies by consumer sector as discussed below. All average prices are computed by dividing the reported revenue by its associated sales volume. Prices for deliveries of natural gas to consumers, except electric utilities, are calculated from reports to Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." City gate prices are calculated from reports to the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." Both of these forms are completed by companies that deliver natural gas to end-use consumers.

With the unbundling of services in the natural gas industry, pipeline and local distribution companies provide transportation service for their end-user customers. In this report, those

volumes are described as deliveries of gas for the account of others. When companies that deliver gas are the sellers of that gas, they are able to report the associated revenue to the Energy Information Administration. Those volumes are described as onsystem sales. When the firm that physically delivers gas to the end user acts as a transportation agent, it does not know the sales price of the gas. Respondents, therefore, do not report a revenue amount associated with deliveries for the account of others in their submissions of the Form EIA-176.

City gate: City gate prices represent the total cost paid by gas distribution companies for gas received at the point where the gas is physically transferred from a pipeline company or transmission system. This price is intended to reflect all charges for the acquisition, storage, and transportation of gas as well as other charges associated with the LDC's obtaining the gas for sale to consumers.

Prices for gas delivered to the city gate represent all of the volumes of gas delivered. Since these prices are reported on a monthly form, the annual average city gate price is calculated by summing the monthly revenues reported and dividing that figure by the sum of the monthly reported volumes.

Residential: Prices in this publication for the residential sector cover nearly all of the volumes of gas delivered.

Commercial and Industrial: Prices for the commercial and industrial sectors are often associated with relatively small volumes of the total gas delivered. This occurs because they are reported by those that deliver gas and not by either the gas resellers or by the consumers. Beginning with the reporting of 1996 data, the EIA has changed the customer classification used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. This change affects the calculation of prices because these volumes and revenues previously classified as commercial are now classified as industrial. Separate reports of the volumes and revenues affected are not available so the direct impact of this change is not known.

Facilities that generate electricity but are not regulated are known as nonutility power producers. A nonutility power producer may be a commercial facility, an industrial facility, or a facility that produces electricity for resale. Deliveries of natural gas to nonutility power producers are reported on the Form EIA-176. The volumes and associated revenues for deliveries to nonutility producers who are primarily commercial establishments are included in the calculation of commercial prices. Those for deliveries to both nonutility producers who are primarily industrial establishments and nonutility establishments that produce electricity for resale are included in the calculation of industrial prices.

Electric Utilities: Prices for natural gas are also reported to the EIA on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," a consumer survey form. Electric utility prices in this report are taken from this form. The respondents are all large regulated electric utilities that report consumption and prices of fuels and represent most of the volumes delivered to electric utilities. These prices are also published in the EIA report, *Cost and Quality of Fuels for Electric Utility Plants*. Prices to electric utilities, because they are derived from a survey of the utilities themselves, represent most of the volumes consumed by this sector.

Vehicle Fuel: Most of the natural gas delivered for vehicle fuel represents deliveries to refueling stations that are used primarily or exclusively by fleet vehicles. Thus, the prices are often those associated with the operation of fleet vehicles and may be based on internal transfer prices for companies primarily in the natural gas business.

Natural Gas Balancing Item

The natural gas 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. It is calculated for each State as the result of a comparison between total reported supply and total reported disposition (Table 2). In the formula used, total reported supply is the sum of marketed production, net interstate movements, net movements across U.S. borders, and supplemental gaseous fuels supply. Total reported disposition is the sum of extraction loss, net storage changes (net additions to storage), and consumption. When this calculation results in a negative quantity for the balancing item it represents an excess of reported supply in relation to reported disposition, and positive quantities indicate the opposite situation.

The differences between supply and demand represent quantities lost, the net result of gas company conversions of flow data metered at varying temperature and pressure conditions to a standard temperature and pressure base, metering inaccuracies, the effect of variations in company accounting and billing practices, differences between billing cycle and calendar-period time frames, and imbalances resulting from EIA's

merger of data reporting systems, which vary in scope, format, definitions, and type of respondents. The balancing items in individual States may also reflect the underreporting on Form EIA-176 of gas transported across State borders for the account of others by some interstate pipelines.

Census Divisions

The Bureau of the Census, U.S. Department of Commerce, has grouped the 50 States and the District of Columbia into Census divisions. Some of the tables and graphs in this report show data by Census division. These groupings are:

New England: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Middle Atlantic: New Jersey, New York, and Pennsylvania.

East North Central: Illinois, Indiana, Michigan, Ohio, and Wisconsin.

West North Central: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota.

South Atlantic: Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia.

East South Central: Alabama, Kentucky, Mississippi, and Tennessee.

West South Central: Arkansas, Louisiana, Oklahoma, and Texas.

Mountain: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming.

Pacific Contiguous: California, Oregon, and Washington.

Pacific Noncontiguous: Alaska and Hawaii.

Table A1. Comparison of Electric Utility Natural Gas Consumption Data by State, 1998
(Million Cubic Feet)

State	Form EIA-176	Form EIA-759	Difference	MDP ^a
Alabama.....	26,165	25,546	-618	2.4
Alaska.....	28,961	28,784	-177	0.6
Arizona.....	39,137	38,674	-463	1.2
Arkansas.....	40,150	40,576	426	1.1
California.....	323,664	271,154	-52,510	19.4
Colorado.....	8,894	10,627	1,733	19.5
Connecticut.....	10,655	10,719	64	0.6
Delaware.....	10,828	11,135	307	2.8
Florida.....	290,361	281,346	-9,015	3.2
Georgia.....	26,058	22,371	-3,688	16.5
Illinois.....	59,857	56,337	-3,520	6.2
Indiana.....	6,084	9,096	3,012	49.5
Iowa.....	8,814	5,947	-2,868	48.2
Kansas.....	28,432	36,896	8,464	29.8
Kentucky.....	1,159	5,760	4,601	396.8
Louisiana.....	253,617	318,395	64,779	25.5
Maryland.....	7,939	12,303	4,364	55.0
Massachusetts.....	18,428	18,427	-1	0
Michigan.....	46,779	48,321	1,542	3.3
Minnesota.....	5,553	7,738	2,185	39.3
Mississippi.....	71,560	76,362	4,802	6.7
Missouri.....	14,294	16,035	1,741	12.2
Montana.....	527	522	-5	0.9
Nebraska.....	2,210	5,044	2,834	128.2
Nevada.....	47,235	60,937	13,703	29.0
New Hampshire.....	0	149	149	0
New Jersey.....	28,063	30,996	2,933	10.4
New Mexico.....	16,939	39,034	22,095	130.4
New York.....	190,757	208,348	17,591	9.2
North Carolina.....	11,485	12,418	934	8.1
North Dakota.....	1	0	-1	0
Ohio.....	8,374	7,663	-710	9.3
Oklahoma.....	135,604	174,577	38,973	28.7
Oregon.....	28,065	28,883	818	2.9
Pennsylvania.....	7,725	6,890	-835	12.1
Rhode Island.....	22,984	15,589	-7,395	47.4
South Carolina.....	6,109	5,893	-216	3.7
South Dakota.....	240	2,865	2,626	—
Tennessee.....	6,058	6,213	156	2.6
Texas.....	1,003,298	1,242,574	239,276	23.8
Utah.....	5,651	5,945	294	5.2
Vermont.....	210	188	-22	11.7
Virginia.....	57,442	20,386	-37,056	181.8
Washington.....	6,344	13,352	7,007	110.5
West Virginia.....	221	417	197	89.0
Wisconsin.....	17,815	16,348	-1,467	9.0
Wyoming.....	0	271	271	0
Total.....	2,930,744	3,258,054	327,309	11.2

^a Relative comparisons are expressed as the maximum difference percentage (MDP), or the absolute value of the difference between two volumes divided by the smaller of the two volumes, multiplied by 100.
— = Not applicable.

Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition" and Form EIA-759, "Monthly Power Plant Report."

Table A2. Natural Gas Unaccounted for by State, 1994-1998
(Million Cubic Feet)

State	1994	1995	1996	1997	1998
Alabama.....	5,295	9,997	-2,954	15,799	32,788
Alaska.....	2,669	-592	1,032	-1,790	3,923
Arizona.....	-1,782	2,606	1,191	2,975	-40,211
Arkansas.....	5,650	8,881	7,639	7,569	3,985
California.....	217,809	174,506	277,924	292,339	61,625
Colorado.....	9,023	8,734	6,652	9,110	11,664
Connecticut.....	1,491	3,826	1,055	334	2,187
D.C.....	528	1,006	784	1,074	794
Delaware.....	479	2,065	438	5,935	4,808
Florida.....	6,063	3,554	-4	4,391	3,105
Georgia.....	2,104	3,712	1,666	-1,260	9,828
Hawaii.....	53	21	88	6	61
Idaho.....	5,572	8,893	-18,969	-61,021	-19,015
Illinois.....	5,205	30,648	10,867	15,349	14,312
Indiana.....	979	539	-3,307	11,848	10,081
Iowa.....	4,963	4,849	4,500	5,370	34,578
Kansas.....	4,819	14,287	7,904	25,939	22,666
Kentucky.....	4,534	9,808	9,410	8,345	409
Louisiana.....	58,677	10,248	19,555	40,760	82,184
Maine.....	-131	292	241	231	78
Maryland.....	3,620	9,879	5,592	12,147	6,588
Massachusetts.....	12,194	1,091	-5,692	1,359	4,702
Michigan.....	-14,398	4,028	16,836	42,875	2,685
Minnesota.....	-22,290	-32,466	6,703	4,855	825
Mississippi.....	35,595	21,441	13,047	18,066	-122,470
Missouri.....	2,253	13,981	1,596	5,779	7,267
Montana.....	79	-5,345	-6,233	-6,635	2,146
Nebraska.....	22,179	2,403	4,354	1,531	1,630
Nevada.....	-1	533	1,479	2,795	623
New Hampshire.....	327	453	466	1,046	149
New Jersey.....	-31,893	1,790	-741	3,500	-16,615
New Mexico.....	7,827	9,924	6,859	^R 2,010	-2,065
New York.....	84,704	18,129	940	126,641	115,611
North Carolina.....	2,906	7,640	1,300	8,125	-274
North Dakota.....	728	-66	1,259	1,041	7,590
Ohio.....	10,641	31,518	16,344	-67,821	6,586
Oklahoma.....	8,976	13,742	302	-32,983	29,312
Oregon.....	57	5,406	1,560	1,603	3,116
Pennsylvania.....	-1,317	18,220	-4,426	12,631	6,187
Rhode Island.....	-1,603	2,362	-646	-2,652	-3,400
South Carolina.....	298	2,315	846	2,807	138
South Dakota.....	999	1,107	994	500	1,227
Tennessee.....	2,884	8,123	11,613	8,426	1,630
Texas.....	-28,206	-6,590	51,729	10,262	-73,153
Utah.....	6,461	5,669	15,207	35,469	3,895
Vermont.....	14	802	1,817	4,690	777
Virginia.....	-831	8,328	4,810	7,057	5,521
Washington.....	68,028	66,580	68,447	59,159	1,772
West Virginia.....	7,790	8,561	5,044	64,475	11,554
Wisconsin.....	1,218	5,402	-2,756	7,001	7,791
Wyoming.....	1,681	-1,784	3,911	5,349	7,961
Total.....	514,924	521,057	548,274	^R724,409	259,157

^R = Revised data.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table A3. Natural Gas Processed and Liquids Extracted at Natural Gas Processing Plants by State, 1998

Plant Location	Volume of Natural Gas Delivered to Processing Plants ^a (million cubic feet)			Total Liquids Extracted ^b (thousand barrels)	Extraction Loss (million cubic feet)
	State Production	Out of State Production	Natural Gas Processed		
Alabama	105,708	1,626	107,334	3,199	4,263
Alaska	2,966,461	0	2,966,461	33,889	40,120
Arkansas	198,148	0	198,148	365	451
California	235,558	0	235,558	8,351	10,242
Colorado	424,984	99	425,083	17,467	24,365
Florida	5,037	3,137	8,174	1,559	1,523
Illinois	468	0	468	59	70
Kansas	600,453	132,375	732,828	32,853	45,801
Kentucky	37,929	0	37,929	1,661	2,263
Louisiana	4,520,288	90,681	4,610,969	101,358	144,609
Michigan	83,052	0	83,052	4,399	5,938
Mississippi	3,668	0	3,668	370	495
Montana	8,715	0	8,715	318	410
New Mexico	867,041	1,168	868,209	74,058	106,665
North Dakota	52,777	0	52,777	4,234	5,481
Ohio	2,895	0	2,895	61	78
Oklahoma	944,568	2,609	947,177	65,306	92,785
Pennsylvania	8,400	2,966	11,366	554	732
Texas	4,045,405	28,334	4,073,739	272,512	388,011
Utah	235,896	6,174	242,070	8,280	11,801
West Virginia	70,488	153	70,641	5,158	7,337
Wyoming	869,726	792	870,518	32,000	44,358
Total	16,287,665	270,114	16,557,779	668,011	937,798

^a "State Production" refers to gas delivered to processing plants located in the same State in which the gas was produced. "Out of State Production" refers to gas produced in other States and delivered to plants located in the State listed for processing.

^b "Totals Liquids Extracted" represents the total quantity of liquids extracted from natural gas at natural gas processing plants located in the State.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA), Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production."

Table A4. Estimated Composition of Liquids Extracted at Natural Gas Processing Plants and the Resulting Heat Content Extraction Loss by State, 1998
(Liquid Volumes in Thousand Barrels, Heat Content in Billion Btu)

State	Estimated Components and Products in Liquids Extracted ^a					Estimated Heat Content Extraction Loss ^b
	Ethane	Propane	Isobutane	N-Butane	Pentanes Plus	Heat Content
Alabama	22	1,141	172	826	1,036	13,496
Alaska.....	0	1,319	3,490	9,724	19,356	150,419
Arkansas	39	51	29	110	137	1,536
California	18	2,159	2,523	1,377	2,274	34,826
Colorado.....	6,345	5,096	875	2,205	2,946	65,730
Florida	546	521	0	335	157	5,856
Illinois.....	0	22	0	0	37	255
Kansas	6,605	14,223	2,450	4,751	4,823	127,491
Kentucky	274	823	79	275	211	6,476
Louisiana.....	33,494	29,514	9,727	10,370	18,252	384,288
Michigan.....	1,209	1,238	566	511	875	16,977
Mississippi.....	3	94	16	97	160	1,592
Montana	11	144	17	77	69	1,306
New Mexico.....	34,811	20,311	3,637	7,154	8,145	268,232
North Dakota.....	0	1,969	0	1,171	1,094	17,673
Ohio.....	0	23	1	16	20	258
Oklahoma.....	27,416	19,789	3,516	6,756	7,829	239,776
Pennsylvania.....	0	258	54	144	98	2,280
Texas.....	104,408	76,501	36,787	10,131	44,686	1,011,707
Utah.....	2,317	2,270	320	1,048	2,325	32,395
West Virginia.....	1,674	2,054	276	591	563	19,293
Wyoming.....	7,319	11,562	2,728	4,403	5,988	124,462
Total.....	226,511	191,082	67,263	62,072	121,081	2,526,324

^a The liquid quantities shown are the estimated quantities of individual components and products contained in the liquids at the point at which the liquids were extracted from the natural gas. The estimates are based upon the assumption that the liquids extracted in each State were composed of natural gas components and products in the same proportions as those ultimately fractionated at processing and fractionating plants within the State. The quantities ultimately extracted in each State were obtained from unpublished summaries of the 12 monthly reports on Form EIA-816. For each State, ratios of the quantities of each component and product ultimately fractionated to the total quantity of liquids fractionated were developed. Those ratios were applied to the total liquids quantities extracted from natural gas in each State (see Table A3) to derive the estimated component and product quantities shown.

^b Extraction loss represents that portion of the natural gas stream which was transferred to the petroleum and natural gas liquids supply chain as a result of the removal of

part of the natural gas constituents in the form of natural gas liquids at natural gas processing plants. Estimates of the heat content extraction loss, i.e., the heat content of the extracted liquids, were computed using the following average heat content conversion factors (million Btu per barrel): ethane, 3.082; propane, 3.836; normal butane, 4.326; isobutane, 3.974; and pentanes plus, 4.620.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Estimated Components and Products in Liquids Extracted: Total liquids from Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production," apportioned to components and products based upon quantities of components and products fractionated as reported on Energy Information Administration (EIA), Form EIA-816, "Monthly Natural Gas Liquids Report" (see footnote a above). Heat Content extraction loss conversion factors (see footnote b above): Energy Information Administration, *Annual Energy Review*, 1998.

Table A5. Natural Gas Processed, Liquids Extracted, and Estimated Extraction Loss by State of Origin (Production) of Natural Gas, 1998

State	Volume of Natural Gas Delivered to Processing Plants (million cubic feet)			Total Liquids Extracted (thousand barrels)	Extraction Loss	
	Located Within the State	Located Outside of the State	Total Processed		Volume (million cubic feet)	Estimated Heat Content (billion Btu)
Alabama	105,708	3,137	108,845	3,756	4,783	15,572
Alaska	2,966,461	0	2,966,461	33,889	40,120	150,419
Arkansas	198,148	4	198,152	365	451	1,536
California	235,558	0	235,558	8,351	10,242	34,826
Colorado	424,984	766	425,750	17,541	24,401	66,018
Florida	5,037	0	5,037	967	939	3,632
Illinois	468	0	468	59	70	255
Kansas	600,453	2,170	602,623	28,316	37,739	109,867
Kentucky	37,929	28	37,957	2,715	2,266	10,418
Louisiana	4,520,288	1,911	4,522,199	99,380	141,947	376,778
Michigan	83,052	0	83,052	4,399	5,938	16,977
Mississippi	3,668	1,626	5,294	405	560	1,740
Montana	8,715	246	8,961	354	423	1,446
New Mexico	867,041	678	867,719	73,932	106,586	267,777
North Dakota	52,777	0	52,777	4,234	5,481	17,673
Ohio	2,895	0	2,895	61	78	258
Oklahoma	944,568	88,885	1,033,453	69,393	98,914	255,324
Pennsylvania	8,400	125	8,525	449	554	1,846
Texas	4,045,405	161,299	4,206,704	275,056	392,670	1,021,709
Utah	235,896	99	235,995	8,060	11,506	31,534
West Virginia	70,488	2,966	73,454	4,209	7,512	15,785
Wyoming	869,726	6,174	875,900	32,120	44,619	124,934
Total	16,287,665	270,114	16,557,779	668,011	937,798	2,526,324

Notes: This table shows the volume of natural gas delivered to processing plants, the quantity of natural gas liquids extracted, and the estimated volumetric and heat content extraction losses traced back to the State of origin of the gas, i.e., to the State from which the gas was produced whether processed within or outside of the producing State. Totals may not equal sum of components due to independent rounding.

Sources: Natural gas delivered to plants, and total liquids extracted: Energy Information Administration (EIA), Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." Extraction Loss: Extraction loss volumes (Table A3) and estimated heat contents (Table A4) apportioned to State of origin based upon the origin of gas processed as reported on Form EIA-64A.

Table A6. Estimated Total Dry Natural Gas Proved Reserves by State, 1994-1998
(Billion Cubic Feet)

State	1994	1995	1996	1997	1998
Alabama	4,830	4,868	5,033	4,968	NA
Alaska	9,733	9,497	9,294	10,562	NA
Arkansas	1,607	1,563	1,470	1,475	NA
California	2,402	2,243	2,082	2,273	NA
Colorado	6,753	7,256	7,710	6,828	NA
Florida	98	92	96	96	NA
Kansas	9,156	8,571	7,694	6,989	NA
Kentucky	969	1,044	983	1,364	NA
Louisiana	9,748	9,274	9,543	9,673	NA
Michigan	1,323	1,294	2,061	2,195	NA
Mississippi	650	663	631	582	NA
Montana	717	782	796	762	NA
New Mexico	17,228	17,491	16,485	15,514	NA
New York	242	197	232	224	NA
North Dakota	507	463	462	479	NA
Ohio	1,094	1,054	1,113	985	NA
Oklahoma	13,487	13,438	13,074	13,439	NA
Pennsylvania	1,800	1,482	1,696	1,852	NA
Texas	35,974	36,542	38,270	37,761	NA
Utah	1,789	1,580	1,633	1,839	NA
Virginia	1,833	1,836	1,930	2,446	NA
West Virginia	2,565	2,499	2,703	2,846	NA
Wyoming	10,879	12,166	12,320	13,562	NA
Federal Offshore	28,388	29,182	29,096	28,466	NA
Other States ^a	65	69	67	43	NA
Total	163,837	165,146	166,474	167,223	NA

^a Includes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.

Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA), *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216.

Natural gas reserves information for 1998 was not available at the time that the *Natural Gas Annual 1998* (NGA) was published. When this information does become available, it will be added to the tables, and they will be updated to the NGA report posted on the Energy Information Administration (EIA) World Wide Web Site. Both the Advance Summary and the full EIA report, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Report 1998*, will be available on the EIA Web Site later this fall. The EIA Web Site address is: <http://www.eia.doe.gov>.

Table A7. Number of Natural Gas Residential Consumers by State, 1997-1998

State	1997			1998		
	Sales	Transported	Total	Sales	Transported	Total
Alabama	781,711	0	781,711	788,464	0	788,464
Alaska	83,596	0	83,596	86,243	0	86,243
Arizona	724,911	0	724,911	764,167	0	764,167
Arkansas	544,460	0	544,460	550,017	0	550,017
California	9,056,483	3,990	9,060,473	9,177,195	4,733	9,181,928
Colorado	1,183,978	0	1,183,978	1,223,433	0	1,223,433
Connecticut	436,119	0	436,119	438,716	0	438,716
D.C.	134,807	0	134,807	132,824	43	132,867
Delaware	109,400	0	109,400	112,507	0	112,507
Florida	532,789	1	532,790	542,769	1	542,770
Georgia.....	1,553,948	0	1,553,948	1,597,331	62,399	1,659,730
Hawaii.....	30,990	0	30,990	30,918	0	30,918
Idaho	200,165	0	200,165	213,786	0	213,786
Illinois	3,509,907	11,800	3,521,707	3,538,850	17,886	3,556,736
Indiana.....	1,509,142	0	1,509,142	1,531,912	2	1,531,914
Iowa.....	780,746	0	780,746	790,162	0	790,162
Kansas	811,975	0	811,975	841,843	0	841,843
Kentucky	713,509	0	713,509	726,960	0	726,960
Louisiana.....	962,604	182	962,786	962,250	186	962,436
Maine.....	15,221	0	15,221	15,646	0	15,646
Maryland	866,646	23,549	890,195	822,509	78,946	901,455
Massachusetts	1,189,768	14,726	1,204,494	1,193,867	18,619	1,212,486
Michigan	2,885,776	3,707	2,859,483	2,899,463	4,235	2,903,698
Minnesota.....	1,134,019	0	1,134,019	1,161,423	0	1,161,423
Mississippi.....	423,397	0	423,397	415,673	0	415,673
Missouri.....	1,293,032	0	1,293,032	1,307,563	0	1,307,563
Montana	209,806	0	209,806	218,851	0	218,851
Nebraska	444,970	0	444,970	452,269	71,521	523,790
Nevada	426,221	0	426,221	458,737	0	458,737
New Hampshire.....	77,092	0	77,092	78,786	0	78,786
New Jersey	2,175,973	17,656	2,193,629	2,210,479	41,769	2,252,248
New Mexico.....	443,165	2	443,167	453,916	149	454,065
New York.....	4,071,620	5,765	4,077,385	4,081,435	35,872	4,117,307
North Carolina.....	740,013	0	740,013	777,805	0	777,805
North Dakota.....	98,326	0	98,326	101,930	0	101,930
Ohio.....	3,001,134	40,814	3,041,948	2,807,626	243,334	3,050,960
Oklahoma.....	872,454	0	872,454	877,236	0	877,236
Oregon	456,960	0	456,960	477,796	0	477,796
Pennsylvania.....	2,332,168	120,356	2,452,524	2,287,814	205,825	2,493,639
Rhode Island.....	212,777	0	212,777	208,208	0	208,208
South Carolina	443,093	0	443,093	460,141	0	460,141
South Dakota	130,306	1	130,307	133,095	0	133,095
Tennessee	867,793	0	867,793	905,757	0	905,757
Texas.....	3,543,027	0	3,543,027	3,600,505	0	3,600,505
Utah.....	567,786	0	567,786	588,364	0	588,364
Vermont.....	25,539	0	25,539	26,664	0	26,664
Virginia	812,866	0	812,866	843,157	4,781	847,938
Washington	702,701	0	702,701	737,208	0	737,208
West Virginia.....	362,374	58	362,432	359,743	40	359,783
Wisconsin.....	1,360,489	859	1,361,348	1,388,630	1,438	1,390,068
Wyoming.....	116,423	9,317	125,740	117,839	9,485	127,324
Total.....	55,934,175	252,783	56,186,958	56,520,482	801,264	57,321,746

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Please see the cautionary note regarding the number of residential customers located in the Consumption and Consumer Prices sections of this report.

Appendix B

Metric and Thermal Conversion Tables



An overhead pipeline crossing on the White River near Newport, Arkansas.

Appendix B

Metric and Thermal Conversion Tables

Metric Conversions

Table B1 presents Summary Statistics for Natural Gas in the United States for 1994 through 1998 in metric units of measure. Volumes are shown in cubic meters instead of cubic feet. Prices are shown in dollars per thousand cubic meters instead of dollars per thousand cubic feet. The data in this table have been converted from the data that appear in Table 1 of this report.

Thermal Conversions

Table B2 presents the thermal (Btu) conversion factors and the converted data for natural gas supply and disposition from 1994 through 1998. A brief documentation for the thermal conversion factors follows:

- *Marketed Production.* The conversion factor is calculated by adding the total heat content of dry production to the total heat content of extraction loss and dividing the resulting sum by the total quantity of dry production and extraction loss (see below).
- *Extraction Loss.* The conversion factor is obtained from Appendix A of this publication.
- *Dry Production.* The conversion factor is assumed to be the same as the thermal conversion factors for consumption (see below).
- *Receipts at U.S. Borders.* The conversion factor for 1994 imports was obtained from the discontinued Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." The 1994 conversion factor has been applied to volumes reported through 1998. Intransit receipts are assumed to have the same average heat content as imports.
- *Withdrawals from Storage.* Both underground and LNG storage withdrawals are assumed to have the same heat content as consumption (see below).
- *Supplemental Gas Supplies.* This conversion factor is assumed to be the same as that for consumption (see below).
- *Balancing Item.* This conversion factor is calculated by subtracting the total heat content of all other items of supply from the heat content of total disposition (from Table B2) and dividing the difference by the balancing item quantity.
- *Consumption.* The thermal conversion factor for total consumption (lease fuel, plant fuel, pipeline fuel, and deliveries to consumers) is the average heat content for deliveries to end users as reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." Average heat content of electric utility consumption is obtained from EIA's *Electric Power Annual*. The factor for nonutility consumption is calculated by subtracting the total heat content of electric utility consumption from the heat content of total consumption and dividing the difference by the quantity of nonutility consumption (total consumption less electric utility consumption).
- *Deliveries at U.S. Borders.* The conversion factor for 1994 exports was obtained from the discontinued Form FPC-14. The 1994 conversion factor has been applied to volumes reported through 1998. Intransit deliveries are assumed to have the same average heat content as exports.
- *Additions to Storage.* Additions to both underground and LNG storage are assumed to have the same heat content as consumption (see above).

Table B1. Summary Statistics for Natural Gas in the United States, Metric Equivalents, 1994-1998

	1994	1995	1996	1997	1998
Reserves (billion cubic meters)					
Estimated Proved Reserves (dry) as of December 31	4,639	4,676	4,714	4,735	NA
Number of Gas and Gas Condensate Wells					
Producing at End of Year	291,773	298,541	301,811	R310,971	316,373
Production (million cubic meters)					
Gross Withdrawals					
From Gas Wells.....	491,327	489,373	R502,265	505,287	497,205
From Oil Wells.....	176,404	182,972	R180,554	180,340	180,254
Total.....	667,731	672,345	R682,819	685,627	677,459
Repressuring	-91,482	-100,950	R-99,413	-98,869	-97,221
Nonhydrocarbon Gases Removed.....	-11,672	-10,998	-14,680	R-16,953	-17,308
Wet After Lease Separation	564,577	560,396	R568,726	R569,804	562,930
Vented and Flared.....	-6,466	-8,035	-7,705	R-7,259	-6,630
Marketed Production	558,112	552,362	R561,020	R562,545	556,300
Extraction Loss.....	-25,160	-25,706	-27,133	-27,291	-26,555
Total Dry Production.....	532,952	526,656	R533,888	R535,255	529,745
Supply (million cubic meters)					
Dry Production.....	532,952	526,656	R533,888	R535,255	529,745
Receipts at U.S. Borders					
Imports	74,299	80,450	83,178	84,786	89,256
Intransit Receipts	13,812	13,946	15,187	15,518	13,637
Withdrawals from Storage					
Underground Storage.....	71,023	84,217	82,440	79,974	67,319
LNG Storage	2,002	1,428	1,962	1,969	1,539
Supplemental Gas Supplies.....	3,138	3,123	3,099	2,921	2,894
Balancing Item.....	-11,768	-6,513	R6,148	R1,728	-944
Total Supply.....	685,458	703,307	R725,902	R722,149	703,446
Disposition (million cubic meters)					
Consumption	586,377	611,096	R622,025	R621,800	602,074
Deliveries at U.S. Borders					
Exports	4,580	4,364	4,344	4,446	4,503
Intransit Deliveries.....	13,380	13,946	15,187	14,629	13,010
Additions to Storage					
Underground Storage.....	79,182	72,658	82,277	79,296	82,220
LNG Storage	1,939	1,243	2,069	1,978	1,639
Total Disposition	685,458	703,307	R725,902	R722,149	703,446
Consumption (million cubic meters)					
Lease Fuel.....	19,817	22,436	R22,643	R21,983	21,413
Pipeline Fuel.....	19,407	19,831	20,146	R21,279	17,995
Plant Fuel	12,003	12,115	12,744	12,088	11,364
Delivered to Consumers					
Residential.....	137,272	137,346	148,420	141,125	128,000
Commercial	81,978	85,831	89,432	R91,036	84,936
Industrial.....	231,265	242,947	251,182	R250,107	245,964
Vehicle Fuel.....	49	76	83	125	144
Electric Utilities.....	84,587	90,515	77,376	R84,057	92,258
Total Delivered to Consumers	535,150	556,714	566,493	R566,451	551,302
Total Consumption.....	586,377	611,096	R622,025	R621,800	602,074
Delivered for the Account of Others (million cubic meters)					
Residential.....	1,199	1,282	1,392	1,728	2,977
Commercial	16,963	19,996	20,011	R26,599	28,041
Industrial.....	173,099	184,551	202,519	R205,947	207,827
Electric Utilities.....	59,242	59,757	52,995	54,719	60,962

See footnotes at end of table.

**Table B1. Summary Statistics for Natural Gas in the United States, Metric Equivalents, 1994-1998
(Continued)**

	1994	1995	1996	1997	1998
Firm Deliveries (million cubic meters)					
Residential.....	137,167	137,234	148,270	141,020	127,927
Commercial.....	72,477	75,051	79,271	^R 78,016	71,830
Industrial.....	134,055	145,550	152,584	^R 149,961	152,377
Electric Utilities.....	44,762	49,808	42,670	40,943	49,518
Vehicle Fuel.....	38	69	76	118	136
Interruptible Deliveries (million cubic meters)					
Residential.....	105	112	150	105	73
Commercial.....	9,501	10,779	10,160	^R 13,020	13,106
Industrial.....	97,210	97,397	98,599	^R 100,146	93,587
Electric Utilities.....	34,276	32,504	28,011	33,347	33,471
Vehicle Fuel.....	11	6	7	7	8
Number of Consumers					
Residential.....	53,392,557	54,322,179	55,263,673	56,186,958	57,321,746
Commercial.....	4,533,905	4,636,500	4,720,227	^R 4,761,409	5,044,497
Industrial.....	202,940	209,398	206,049	^R 238,961	231,438
Average Annual Consumption per Consumer (thousand cubic meters)					
Residential.....	3	3	3	3	2
Commercial.....	18	19	19	^R 19	17
Industrial.....	1,140	1,160	1,219	^R 1,047	1,063
Average Prices for Natural Gas (dollars per thousand cubic meters)					
Wellhead (Marketed Production).....	65.33	54.74	76.63	81.93	68.51
Imports.....	66.04	52.62	69.57	76.63	69.57
Exports.....	88.29	84.40	104.88	106.65	86.52
Pipeline Fuel.....	60.03	52.62	80.16	80.87	70.98
City Gate.....	108.42	98.17	115.48	129.25	108.42
Delivered to Consumers					
Residential.....	226.37	214.01	223.89	245.08	240.85
Commercial.....	192.11	178.34	190.70	^R 204.83	193.52
Industrial.....	107.71	95.70	120.78	126.78	110.89
Vehicle Fuel.....	145.14	140.55	153.27	156.80	162.09
Electric Utilities.....	80.52	71.34	95.00	^R 98.17	84.76

^R = Revised data.

NA = Not available.

Notes: Beginning in 1987, prices for gas delivered to consumers are calculated using only on-system sales data. No imputations are made for prices of gas delivered for the account of others. In previous years, prices were calculated using reported values and values imputed for gas delivered for the account of others. The United States includes the 50 States and the District of Columbia. Totals may not equal sum of components due to 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.

Sources: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-627, "Annual Quan-

ty and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-816, "Monthly Natural Gas Liquids Report"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form EIA-759, "Monthly Power Plant Report"; Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-191, "Underground Gas Storage Report"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

Table B2. Thermal Conversion Factors and Data, 1994-1998

	1994	1995	1996	1997	1998
Conversion Factor (Btu per cubic foot)					
Production					
Marketed	1,105	1,106	1,109	1,107	1,110
Extraction Loss	2,735	2,730	2,721	2,704	2,694
Total Dry Production.....	1,028	1,027	1,027	1,026	1,031
Supply					
Dry Production.....	1,028	1,027	1,027	1,026	1,031
Receipts at U.S. Borders					
Imports	1,022	1,021	1,022	1,023	1,023
Intransit Receipts	1,022	1,021	1,022	1,023	1,023
Withdrawals from Storage					
Underground Storage.....	1,028	1,027	1,027	1,026	1,031
LNG Storage	1,028	1,027	1,027	1,026	1,031
Supplemental Gas Supplies.....	1,028	1,027	1,027	1,026	1,031
Balancing Item.....	937	988	R1,056	R1,029	547
Total Supply.....	NA	NA	NA	NA	NA
Disposition					
Consumption	1,028	1,027	1,027	1,026	1,031
(Electric Utility)	(1,022)	(1,025)	(1,024)	(1,019)	(1,022)
(Non-Utility)	(1,029)	(1,027)	(1,027)	(1,027)	(1,033)
Deliveries at U.S. Borders					
Exports	1,011	1,011	1,011	1,011	1,011
Intransit Deliveries.....	1,011	1,011	1,011	1,011	1,011
Additions to Storage					
Underground Storage.....	1,028	1,027	1,027	1,026	1,031
LNG Storage	1,028	1,027	1,027	1,026	1,031
Total Disposition	NA	NA	NA	NA	NA
Summary Data (billion Btu)					
Production					
Marketed	21,702,261	21,579,527	R21,970,606	R21,999,810	21,814,020
Extraction Loss.....	-2,430,350	-2,478,684	-2,607,484	-2,606,015	-2,526,324
Total Dry Production.....	19,271,911	19,100,844	R19,363,122	R19,393,794	19,287,696
Supply					
Dry Production.....	19,271,911	19,100,844	R19,363,122	R19,393,794	19,287,696
Receipts at U.S. Borders					
Imports	2,682,436	2,901,166	3,002,256	3,063,489	3,225,082
Intransit Receipts	498,653	502,902	548,172	560,686	492,737
Withdrawals from Storage					
Underground Storage.....	2,561,187	3,054,402	2,989,933	2,897,675	2,451,042
LNG Storage	72,668	51,808	71,157	71,324	56,050
Supplemental Gas Supplies.....	113,929	113,268	112,410	105,835	105,357
Balancing Item.....	-277,959	-227,156	R229,205	R82,357	-18,217
Total Supply.....	24,922,825	25,497,233	R26,316,256	R26,175,161	25,599,748
Disposition					
Consumption	21,336,624	22,163,343	R22,559,714	R22,549,125	21,921,145
(Electric Utility)	(3,052,864)	(3,276,420)	(2,798,076)	R(3,024,854)	(3,329,731)
(Non-Utility)	(18,283,760)	(18,886,922)	R(19,761,638)	R(19,524,271)	(18,591,414)
Deliveries at U.S. Borders					
Exports	163,522	155,799	155,115	158,783	160,770
Intransit Deliveries.....	477,710	497,849	542,354	522,469	464,555
Additions to Storage					
Underground Storage.....	2,874,574	2,635,161	2,984,043	2,873,102	2,993,596
LNG Storage	70,395	45,082	75,029	71,681	59,681
Total Disposition	24,922,825	25,497,233	R26,316,256	R26,175,161	25,599,748

R = Revised data.

NA = Not available.

Notes: See accompanying text for conversion factor documentation. Items appearing in parentheses are subsets of other items for which data are shown in this table and are not involved in the summing of supply and disposition. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA), Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1994 and 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 through 1998); Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"; Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas" (1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1998); Forms EIA-191/FERC-8, "Underground Gas Storage Report"; and Form EIA-767, "Steam-Electric Plant Operating and Design Report."

Form EIA-191/FERC-8, "Underground Gas Storage Report"; and Form EIA-767, "Steam-Electric Plant Operating and Design Report."

Appendix C

Selected Natural Gas and Related Reports



Liquefied natural gas (LNG) is stored in production facilities.

Appendix C

Selected Natural Gas and Related Reports

Recurring Natural Gas Reports

- *Natural Gas Monthly*, DOE/EIA-0130. Published monthly.

Other Reports Covering Natural Gas, Natural Gas Liquids, and Other Energy Sources

- *Monthly Energy Review*, DOE/EIA-0035. Published monthly. Provides national aggregate data for natural gas, natural gas liquids, and other energy sources.
- *Short-Term Energy Outlook*, DOE/EIA-0202. Published quarterly. Provides forecasts for next six quarters for natural gas and other energy sources.
- *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves -1997 Annual Report*, DOE/EIA-0216(97)/Advance Summary, September 1998.
- *Annual Energy Review 1998*, DOE/ EIA-0384(98), July 1999. Published annually.
- *Annual Report to Congress 1998*, DOE/ EIA-0173(98), April 1999. Published annually.
- *Oil and Gas Resources of the West Siberian Basin, Russia*, DOE/EIA-0617, December 1997.
- *State Energy Data Report, Consumption Estimates, 1960-1996*, DOE/EIA-0214(96), February 1999.
- *Annual Energy Outlook 1999*, DOE/ EIA-0383(99), December 1998. Published annually.
- *Natural Gas Productive Capacity for the Lower 48 States 1986 Through 1998*, DOE/EIA-0542(98), December 1997.
- *Natural Gas 1998: Issues and Trends*, DOE/EIA-0560(98), June 1999.
- *State Energy Price and Expenditure Report 1970-1995*, DOE/EIA-0376(95), August 1998.

One-Time Reports

- *The Value of Underground Storage in Today's Natural Gas Industry*, DOE/EIA-0591, March 1995.
- *Energy Policy Act Transportation Study: Interim Report of Natural Gas Flows and Rates*, DOE/EIA-0602, October 1995.

Reference Reports

- *Oil and Gas Field Code Master List, 1997*, EIA-0370(97), February 1998.
- *Directory of Energy Data Collection Forms*, DOE/ EIA-0249(96), December 1996.

Glossary

Balancing Item: Represents differences 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 that vary in scope, format, definitions, and type of respondents.

Biomass Gas: A medium Btu gas containing methane and carbon dioxide, resulting from the action of microorganisms on organic materials such as a landfill.

British Thermal Unit (Btu): The quantity of heat required to raise the temperature of 1 pound of water by 1 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.

Coke Oven Gas: The gaseous portion of volatile substances driven off in the coking process after other coal chemicals are removed.

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

Delivered: The physical transfer of natural, synthetic, and/or supplemental gas from facilities operated by the responding company to facilities operated by others or to consumers.

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 due to the removal of natural gas liquid constituents such as ethane, propane, and butane at natural gas processing plants.

Flared: Natural gas burned in flares at 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 liquids and all nonhydrocarbon gases, but excluding lease condensate.

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

Imports: Gas receipts into the United States from a foreign country.

Industrial Consumers: Establishments engaged in a process which creates or changes raw or unfinished materials into another form or product. Generation of electricity, other than by electric utilities, and agricultural uses are included.

Industrial Consumption: Natural gas used by manufacturing and mining establishments and for agricultural purposes for heat, power, and chemical feedstock.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Lease Fuel: Natural gas used in well, field, and lease operations such as gas used in drilling operations, heaters, dehydrators, and field compressors.

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

Manufactured Gas: A gas obtained by destructive distillation of coal, or by the thermal decomposition of oil, or by the reaction of steam passing through a bed of heated coal or coke. Examples are coal gases, coke oven gases, producer gas, blast furnace gas, blue (water) gas, carbureted water gas. Btu content varies widely.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations.

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

Natural Gas, Wet After Lease Separation: The volume of natural gas remaining after removal of lease condensate in lease and/or field separation facilities, if any, and after exclusion of nonhydrocarbon gases where they occur in sufficient quantity to render the gas unmarketable. Natural gas liquids may be recovered from volumes of natural gas, wet after lease separation, at natural gas processing plants.

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

Nonutility Power Producers: A company which owns electric generating capacity and is not an electric utility. Nonutility power producers include qualifying cogenerators, qualifying small power producers, and other nonutility generators including independent power producers.

Offshore Reserves and Production: Unless otherwise indicated, reserves and production that are in either State or Federal domains, located seaward of the coastline.

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

Outer Continental Shelf: Offshore Federal domain.

Pipeline: A continuous pipe conduit, complete with such equipment as valves, compressor stations, communications systems, and meters, for transporting natural and/or supplemental gas from one point to another, usually from a point in or beyond the producing field or processing plant to another pipeline or to points of use. Also refers to a company operating such facilities.

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

Plant Fuel: Natural gas used as fuel in natural gas processing plants.

Production, Wet After Lease Separation: Gross withdrawals less gas used for repressuring and nonhydrocarbon gases removed in treating or processing operations.

Propane-air: A mixture of propane and air resulting in a gaseous fuel suitable for pipeline distribution.

Proved Reserves: The estimated quantities that analysis of geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known oil and gas reservoirs under existing economic and operating conditions.

Receipts: Gas physically transferred into the responding company's transportation, storage, and/or distribution facilities.

Refinery Gas: Noncondensate gas collected in petroleum refineries.

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

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

Storage Additions: Volumes of gas injected or otherwise added to underground natural gas reservoirs or liquefied natural gas storage.

Storage Withdrawals: Volumes of gas withdrawn from underground storage or liquefied natural gas storage.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

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

Therm: One hundred thousand British thermal units.

Underground Storage: The storage of natural gas in underground reservoirs at a different location from which it was produced.

Underground Storage Injections: Gas from extraneous sources put into underground storage reservoirs.

Underground Storage Withdrawals: Gas removed from underground storage reservoirs.

Unit Value, Consumption: Total price per specified unit, including all taxes, at the point of consumption.

Unit Value, Wellhead: 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.

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