

Natural Gas Annual 1997

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Preface

The *Natural Gas Annual* provides information on the supply and disposition of natural gas to a wide audience including industry, consumers, Federal and State agencies, and educational institutions. The 1997 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 1993 to 1997 for each Census Division and each State. Annual historical data are shown at the national level.

The data in the *Natural Gas Annual 1997* 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 citygate 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 Reports* was the source of the reserves data.

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, Appendix C lists additional natural gas information sources, and Appendix D provides a list (and description) of the various natural gas publications/products and their location on the EIA Internet site.

The tables of data that appear in this report are available on personal computer diskettes and the Internet. See Appendix D for further details.

Beginning with the *Natural Gas Annual 1997* report, the former Table 6, “Estimated Total Dry Natural Gas Proved Reserves by State,” now appears in Appendix A as Table A6.

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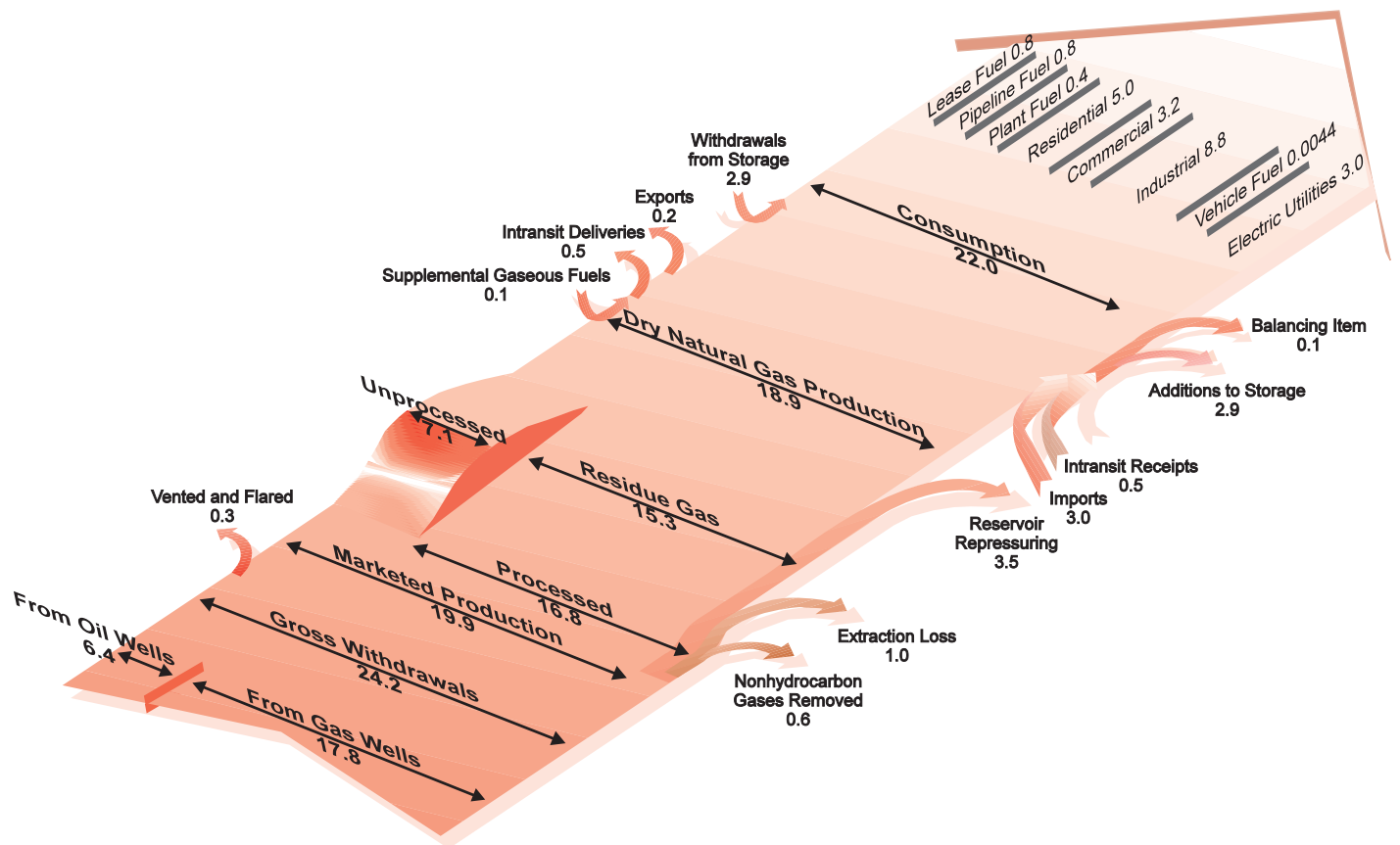
Overview

From 1996 to 1997, natural gas production and consumption, two major indicators of market activity, were fairly stable. Production rose slightly, by less than 1 percent, and consumption was virtually unchanged. Net imports also increased by a small amount and maintained a 13 percent share of consumption. Underground storage continued to play an integral role in the restructured competitive markets by enabling supply reliability during periods when demand was high. Prices also rose from the wellhead to the burner tip. Natural gas has accounted for 25 percent of total energy consumption in the United States since 1992, and this share was maintained in 1997.

Natural gas marketed production rose in 1997 to 19.9 trillion cubic feet, the highest level since 1981. Production has risen 3.0 trillion cubic feet since 1986, but current volumes remain 12 percent below the historical peak of 22.6 trillion cubic feet in 1973. For the fifth year in a row, the number of producing gas wells and gas-condensate wells rose, reaching 311,338 in 1997, 3 percent above the 1996 level.

During 1997, net imports rose for the 11th consecutive year, representing 13 percent of U.S. natural gas consumption. Canada continued its role as the major supplier of

Figure 1. Natural Gas Flow Diagram, 1997
(Trillion Cubic Feet)



Note: Totals may not add 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.

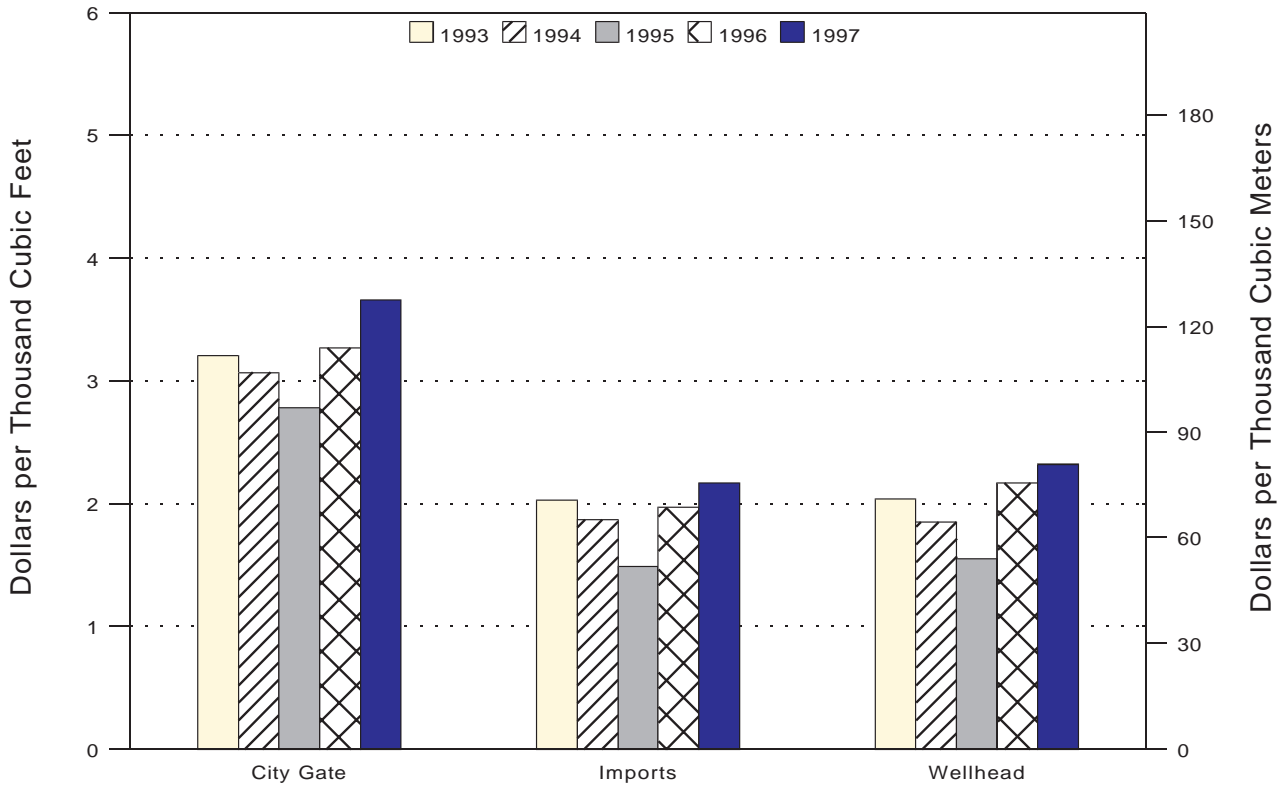
natural gas imported into the United States. However, the growth rate of U.S. imports of Canadian gas was minimal because pipeline capacity utilization remained near its maximum level and capacity expanded very little during the year. Increases in pipeline capacity are under development or have been proposed for the next several years. Cross border trade with Mexico also increased in 1997, and that nation holds substantial promise for expansion on both the supply and demand sides of the market. Spot purchases of liquefied natural gas (LNG) rose as the United States responded to LNG availability in the world marketplace. Spot purchases of LNG were received from the United Arab Emirates (Abu Dhabi), and, for the first time, from Australia.

At the end of 1997, there were 418 active underground storage fields in operation in the United States, with nearly 4.0 trillion cubic feet of working gas capacity. From January through December, withdrawals from underground storage were larger than injections and resulted in a net change of minus 24.0 billion cubic feet. For LNG storage, additions exceeded withdrawals by 0.3 billion cubic feet. The net change for total gas in storage for the year was minus 23.6 billion cubic feet. This change resulted in an addition to natural gas supplies.

Increases in consumption in the commercial and electric utility sectors were offset by declines in the residential and industrial sectors. Commercial consumption set a new record, 3.2 trillion cubic feet, surpassing the previous record high from a year ago by 2 percent. Natural gas consumption by electric utilities rose substantially in 1997 to 3.0 trillion cubic feet, 9 percent above last year. Two States, California and New York, accounted for more than half of the increase in this sector.

Prices rose from the wellhead to the burner tip. The average wellhead price increased in 1997 for the second year in a row. It reached \$2.32 per thousand cubic feet, 7 percent more than the 1996 price of \$2.17 and 50 percent above the 1995 low of \$1.55. Following the trend in prices at the wellhead, prices for sales to the industrial and electric utility sectors rose greatly from 1995 to 1996, but much more modestly from 1996 to 1997. By contrast, the increase in price paid for deliveries to the residential sector from 1996 to 1997 was larger than the increase from 1995 to 1996. In the commercial sector, the percentage increase in price was about the same in each time period. These consumers pay higher prices for gas than industrial and electric utility consumers because they have fewer options for service and require high quality service during periods of peak demand.

Figure 2. Selected Average Prices of Natural Gas in the United States, 1993-1997



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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1993 through 1995); and Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997).

Table 1. Summary Statistics for Natural Gas in the United States, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	162,415	163,837	165,146	166,474	167,223
Number of Gas and Gas Condensate Wells					
Producing at End of Year	282,152	291,773	298,541	301,811	311,338
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	16,691,139	17,351,060	17,282,032	17,680,777	17,844,046
From Oil Wells.....	6,034,504	6,229,645	6,461,596	6,370,888	6,368,631
Total.....	22,725,642	23,580,706	23,743,628	24,051,665	24,212,677
Repressuring	-3,103,014	-3,230,667	-3,565,023	-3,510,330	-3,491,542
Nonhydrocarbon Gases Removed.....	-413,971	-412,178	-388,392	-518,425	-592,134
Wet After Lease Separation	19,208,657	19,937,861	19,790,213	20,022,909	20,129,001
Vented and Flared.....	-226,743	-228,336	-283,739	-272,117	-263,819
Marketed Production	18,981,915	19,709,525	19,506,474	19,750,793	19,865,182
Extraction Loss.....	-886,455	-888,500	-907,795	-958,178	-963,759
Total Dry Production.....	18,095,460	18,821,025	18,598,679	18,792,615	18,901,423
Supply (million cubic feet)					
Dry Production.....	18,095,460	18,821,025	18,598,679	18,792,615	18,901,423
Receipts at U.S. Borders					
Imports	2,350,115	2,623,839	2,841,048	2,937,413	2,994,173
Intransit Receipts	324,093	487,760	492,481	536,333	548,000
Withdrawals from Storage					
Underground Storage.....	2,717,064	2,508,151	2,974,102	2,911,327	2,824,245
LNG Storage	82,189	70,689	50,446	69,287	69,517
Supplemental Gas Supplies.....	118,999	110,826	110,290	109,455	103,153
Balancing Item.....	-109,593	-415,579	-230,002	278,937	76,044
Total Supply.....	23,578,326	24,206,711	24,837,044	25,635,365	25,516,554
Disposition (million cubic feet)					
Consumption	20,279,095	20,707,717	21,580,665	21,966,991	21,972,770
Deliveries at U.S. Borders					
Exports	140,183	161,739	154,119	153,393	157,006
Intransit Deliveries.....	324,093	472,499	492,481	536,333	516,620
Additions to Storage					
Underground Storage.....	2,759,738	2,796,279	2,565,882	2,905,592	2,800,294
LNG Storage	75,217	68,478	43,897	73,057	69,865
Total Disposition	23,578,326	24,206,711	24,837,044	25,635,365	25,516,554
Consumption (million cubic feet)					
Lease Fuel.....	723,118	699,842	792,315	800,004	775,619
Pipeline Fuel.....	624,308	685,362	700,335	711,446	751,595
Plant Fuel	448,822	423,878	427,853	450,033	426,873
Delivered to Consumers					
Residential.....	4,956,445	4,847,702	4,850,318	5,241,414	4,983,772
Commercial	2,861,569	2,895,013	3,031,077	3,158,244	3,218,606
Industrial.....	7,981,433	8,167,033	8,579,585	8,870,422	8,842,896
Vehicle Fuel.....	960	1,741	2,674	2,932	4,424
Electric Utilities	2,682,440	2,987,146	3,196,507	2,732,496	2,968,984
Total Delivered to Consumers	18,482,847	18,898,635	19,660,161	20,005,508	20,018,683
Total Consumption.....	20,279,095	20,707,717	21,580,665	21,966,991	21,972,770
Delivered for the Account of Others (million cubic feet)					
Residential.....	44,314	42,338	45,269	49,148	61,013
Commercial	460,097	599,058	706,139	706,667	939,086
Industrial.....	5,644,894	6,112,919	6,517,352	7,151,885	7,273,764
Electric Utilities	1,658,438	2,092,124	2,110,284	1,871,496	1,932,394

See footnotes at end of table.

Table 1. Summary Statistics for Natural Gas in the United States, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Firm Deliveries (million cubic feet)					
Residential.....	4,957,208	4,843,995	4,846,360	5,236,112	4,980,060
Commercial.....	2,553,679	2,559,500	2,650,412	2,799,442	2,754,852
Industrial.....	4,624,853	4,734,106	5,140,048	5,388,436	5,306,167
Electric Utilities.....	1,522,061	1,580,745	1,758,945	1,506,864	1,445,885
Vehicle Fuel.....	792	1,336	2,449	2,674	4,168
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	3,706	3,958	5,301	3,712
Commercial.....	307,890	335,513	380,665	358,802	463,753
Industrial.....	3,356,581	3,432,927	3,439,537	3,481,986	3,536,729
Electric Utilities.....	922,962	1,210,453	1,147,860	989,185	1,177,631
Vehicle Fuel.....	168	405	225	258	257
Number of Consumers					
Residential.....	52,535,411	53,392,557	54,322,179	55,263,673	56,186,958
Commercial.....	4,464,906	4,533,905	4,636,500	4,720,227	5,004,384
Industrial.....	209,666	202,940	209,398	206,049	238,905
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	94	91	89	95	89
Commercial.....	641	639	654	669	643
Industrial.....	38,067	40,244	40,973	43,050	37,014
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.04	1.85	1.55	2.17	2.32
Imports.....	2.03	1.87	1.49	1.97	2.17
Exports.....	2.59	2.50	2.39	2.97	3.02
Pipeline Fuel.....	1.97	1.70	1.49	2.27	2.29
City Gate.....	3.21	3.07	2.78	3.27	3.66
Delivered to Consumers					
Residential.....	6.16	6.41	6.06	6.34	6.94
Commercial.....	5.22	5.44	5.05	5.40	5.79
Industrial.....	3.07	3.05	2.71	3.42	3.59
Vehicle Fuel.....	4.27	4.11	3.98	4.34	4.44
Electric Utilities.....	2.61	2.28	2.02	2.69	2.74

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); *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, 1997
(Trillion Cubic Feet)

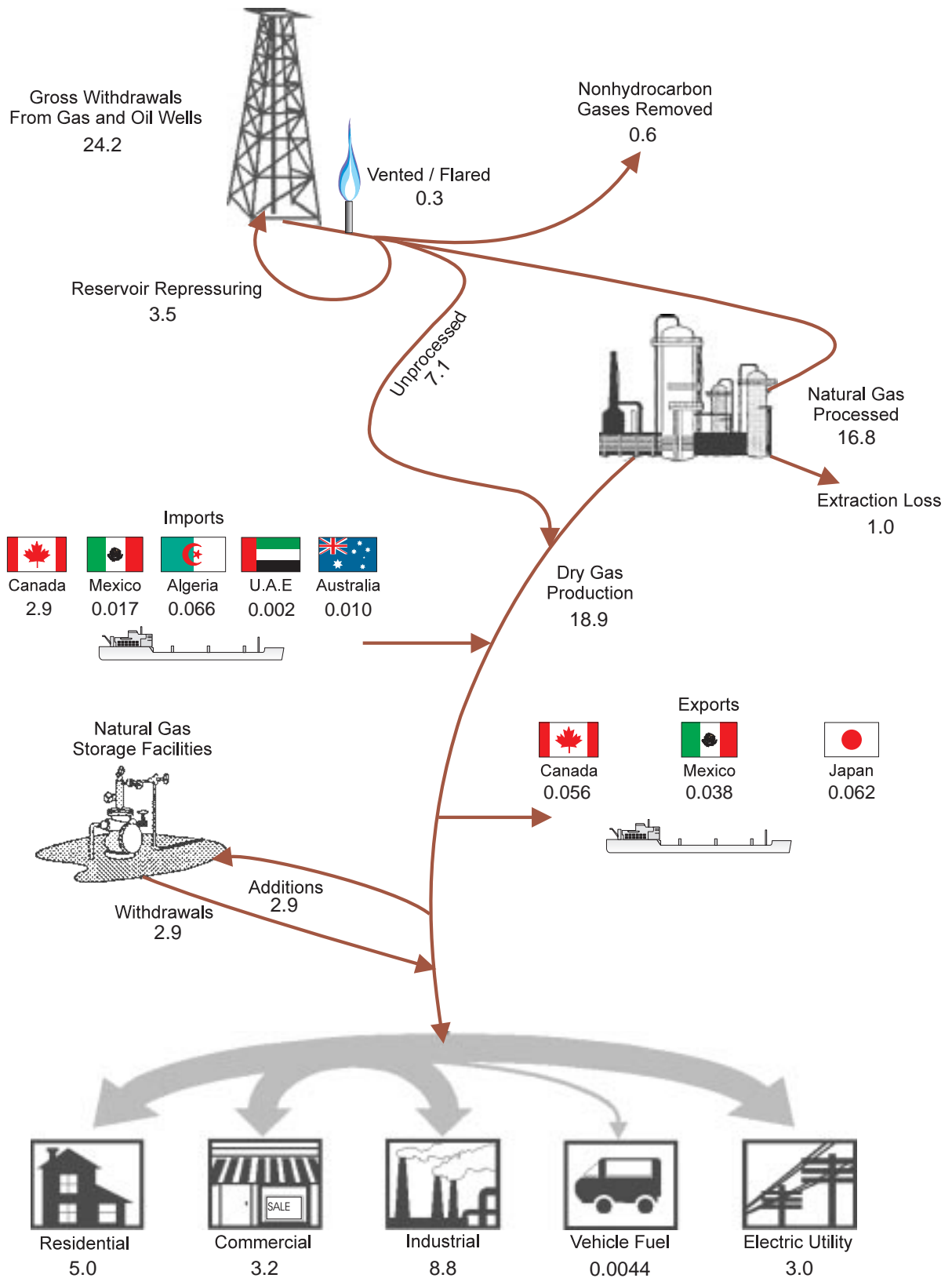


Table 2. Natural Gas Production, Transmission, and Consumption by State, 1997
(Million Cubic Feet)

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	583,272	4,637	-70,095	-185,706	0	587	21	322,270
Alaska	468,311	41,535	60,798	0	-62,187	0	0	425,387
Arizona	452	0	9,469	125,217	-3,901	0	0	131,237
Arkansas	208,514	554	-17,978	72,846	0	-261	0	263,089
California	285,690	11,600	-14,363	1,671,128	-308	-16,398	0	1,946,945
Colorado	637,375	28,851	-225,105	-83,263	0	525	6,314	305,945
Connecticut	0	0	197	136,910	0	94	37	137,049
D.C.	0	0	-1,074	35,144	0	0	0	34,070
Delaware	0	0	2,266	44,214	0	-8	2	46,490
Florida	6,114	1,563	-21,960	503,126	0	0	0	485,717
Georgia	0	0	-7,724	369,230	0	-153	14	361,672
Hawaii	0	0	-6	0	0	0	2,617	2,611
Idaho	0	0	16,288	-805,867	856,503	32	0	66,892
Illinois	231	200	62,533	1,020,287	0	9,952	4,165	1,077,065
Indiana	526	0	-74,012	627,176	0	-331	3,580	557,602
Iowa	0	0	-30,437	291,581	0	6,496	137	254,785
Kansas	687,215	38,224	-54,836	-248,265	0	11,372	0	334,518
Kentucky	79,547	2,404	4,299	143,416	0	-3,013	24	227,894
Louisiana	5,229,821	150,008	241,455	-3,681,223	30,596	11,422	0	1,659,218
Maine	0	0	-231	6,444	0	-2	31	6,247
Maryland	118	0	-42,878	251,756	0	1,730	178	207,443
Massachusetts	0	0	13,626	315,791	47,183	-3,517	147	380,263
Michigan	305,950	6,147	-95,525	1,306,300	-549,710	3,388	22,238	979,719
Minnesota	0	0	-17,106	-579,348	950,706	344	172	354,080
Mississippi	107,300	300	103,806	40,809	0	-3,763	0	255,378
Missouri	5	0	9,645	273,663	0	453	719	283,579
Montana	52,437	409	-8,272	-568,869	572,977	-11,962	0	59,827
Nebraska	1,670	0	114,442	17,627	0	1,712	134	132,160
Nevada	9	0	14,679	114,006	0	61	0	128,633
New Hampshire	0	0	-542	21,287	0	0	102	20,846
New Jersey	0	0	47,692	567,479	0	596	6,464	621,039
New Mexico	1,558,633	109,046	-45,180	-1,137,763	0	-2,065	0	268,709
New York	16,188	0	105,439	450,079	656,332	561	881	1,228,357
North Carolina	0	0	-24,878	239,413	0	330	0	214,204
North Dakota	52,401	5,076	-5,464	-46,569	7,672	0	53,179	56,143
Ohio	116,246	83	-38,240	826,767	0	7,336	1,423	898,777
Oklahoma	1,703,888	96,830	-49,425	-988,152	0	9,482	0	560,000
Oregon	1,173	0	-9,392	181,173	0	1,364	2	171,592
Pennsylvania	80,000	734	-104,242	688,887	0	-29,618	135	693,664
Rhode Island	0	0	-16,425	98,868	0	-476	18	82,938
South Carolina	0	0	19,228	134,208	0	-455	10	153,901
South Dakota	687	0	-1,783	36,487	0	0	30	35,421
Tennessee	1,510	0	-16,306	296,613	0	-541	19	282,377
Texas	6,453,873	391,174	242,357	-2,347,584	-16,920	-10,035	0	3,950,587
Utah	257,139	17,872	-14,947	-51,590	0	7,571	0	165,159
Vermont	0	0	-3,153	-8,134	19,343	0	6	8,061
Virginia	58,249	0	-30,329	213,228	0	108	350	241,389
Washington	0	0	-41,478	-86,505	360,261	1,051	0	231,228
West Virginia	172,268	7,179	77,582	-100,347	0	-16,716	0	159,040
Wisconsin	0	0	7,584	393,058	0	51	5	400,596
Wyoming	738,368	49,333	6,045	-595,034	0	-908	0	100,955
Total	19,865,182	963,759	76,044	0	2,868,547	-23,603	103,153	21,972,770

^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

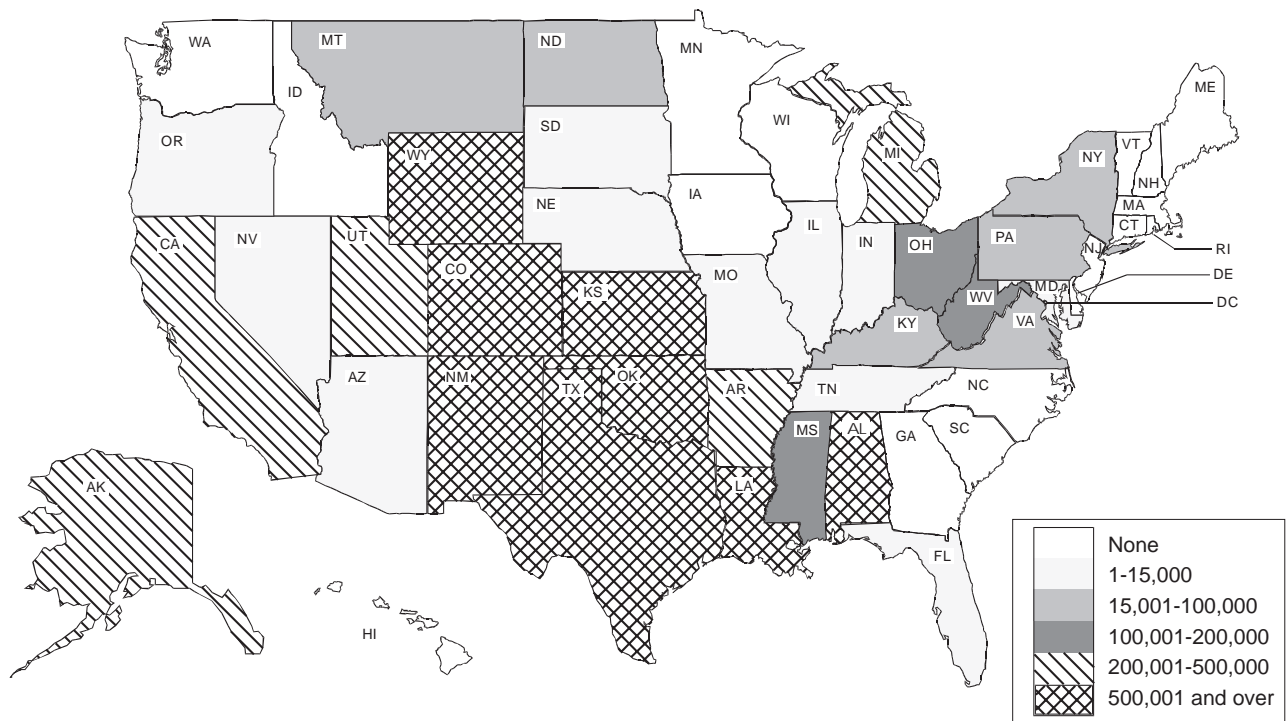
Production

Natural gas marketed production rose in 1997 to 19.9 trillion cubic feet, the highest level since 1981. Marketed production is derived from gross withdrawals by subtracting quantities used for repressuring, nonhydrocarbon gases removed, and gas vented and flared. Production has risen 3.0 trillion cubic feet since 1986, but current volumes remain 12 percent below the historical peak of 22.6 trillion cubic feet in 1973. Louisiana, Texas, Oklahoma, and New Mexico continued as the leading producers of natural gas. Together these four States supplied 14.9 trillion cubic feet, 75 percent of marketed natural gas production in 1997.

From 1996 to 1997, four States showed substantial increases in marketed production: Alabama, 52 billion cubic feet; Colorado, 65 billion cubic feet; Michigan, 60 billion cubic feet; and Wyoming, 72 billion cubic feet. In Texas it rose very modestly, by 5 billion cubic feet, to reach 6.5 trillion cubic feet. Marketed production declined 31 billion cubic feet in Oklahoma to 1.7 trillion cubic feet. In Louisiana and New Mexico, production remained virtually the same.

For the fifth year in a row, the number of producing gas wells and gas-condensate wells rose, reaching 311,338 in 1997, 3 percent above the level one year ago. Colorado, New Mexico, and Texas each showed substantial increases from 1996 to 1997, ranging from approximately 2,900 to more than 4,100 wells. The number of wells in West Virginia declined, by more than 4,100.

Figure 4. Marketed Production of Natural Gas in the United States, 1997
(Million Cubic Feet)



Sources: West Virginia, 1997: 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.

Wellhead Prices

The average wellhead price rose in 1997 for the second year in a row. It reached \$2.32 per thousand cubic feet, 7 percent more than the 1996 price of \$2.17 and 50 percent above the 1995 low of \$1.55. 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 \$2.51 to \$2.66 per thousand cubic feet. The 1997 price of \$2.32 per thousand cubic feet still was more than 41 percent below the 1983 peak after adjustment for inflation.

Drilling

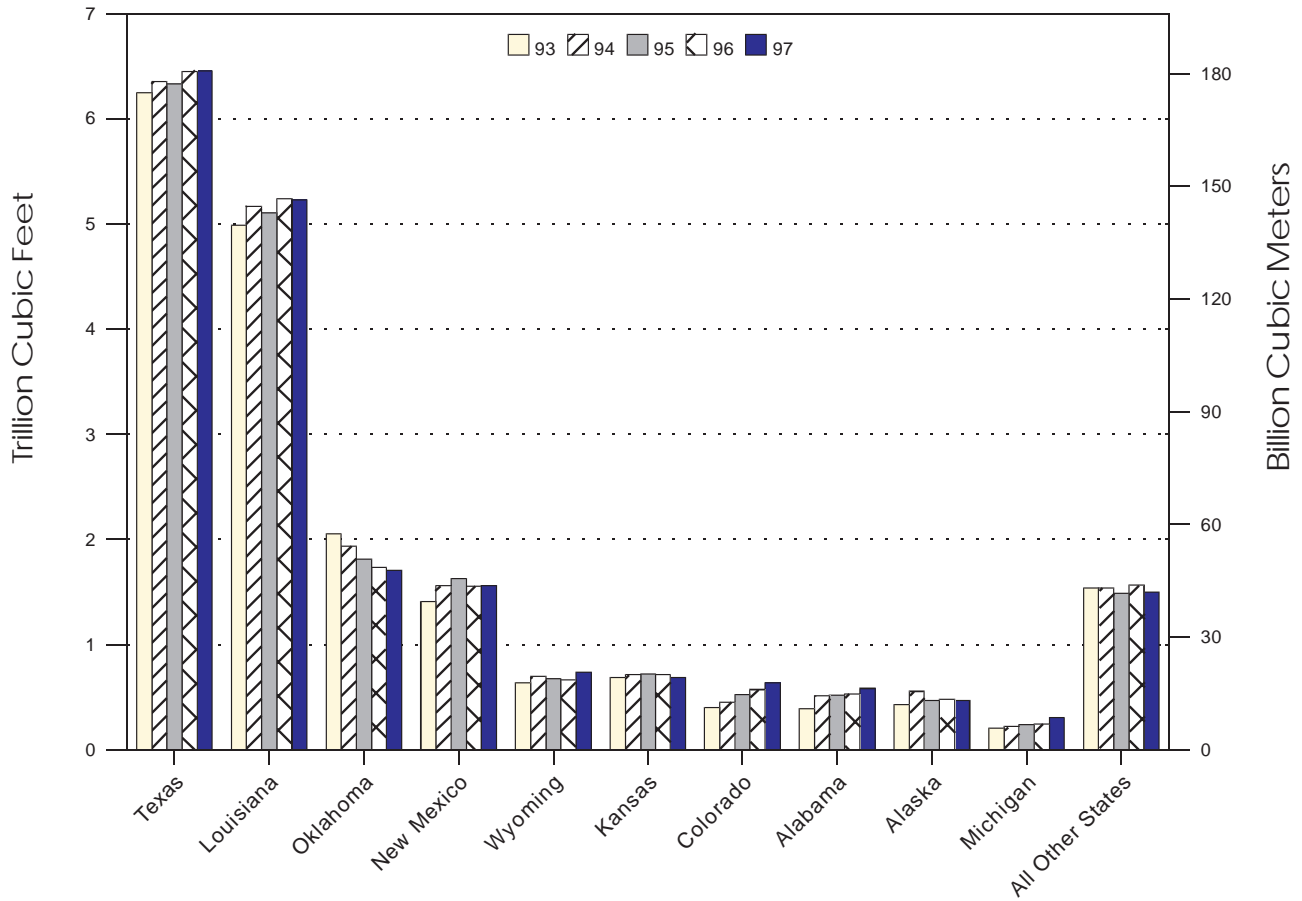
Exploration and development activities incrementally added to proved reserves of natural gas. In 1997, natural gas reserves reached 167,223 billion cubic feet, and reserve additions replaced production for the fourth year in a row. The number of rotary rigs running and the number of well completions are indicators that in the past have been good guides to the level of exploration and development activity,

and thus to subsequent reserve additions. The number of rotary rigs drilling for gas in 1997 rose from 464 to 564, exceeding the number of rigs drilling for oil for the fourth year in a row. Total rigs running rose from 779 to 943, with offshore rigs up 13 percent to 122 and onshore rigs up 22 percent to 821.

Well completions for gas exceeded those for oil for the fifth year in a row. Exploratory gas well completions were down in 1997 from 560 to 538, while gas development well completions rose from 8,625 to 10,755. Total gas well completions increased from 9,185 to 11,293.

Overall well completions rose from 22,706 to 27,101. Of these, 3,036 were exploratory wells and 24,065 were development wells. This continues the upward trend in total completions that began with a 1996 drilling surge. The reversal has continued to be driven by 1997's higher natural gas prices and the increased focus of independent operators in the Gulf of Mexico.

Figure 5. Marketed Production of Natural Gas in Selected Sectors, 1993-1997



Sources: West Virginia, 1997: 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, 1993-1997
(Million Cubic Feet)

Year and State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
1993 Total	16,691,139	6,034,504	22,725,642	3,103,014	413,971	226,743	18,981,915
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	17,680,777	6,370,888	24,051,665	3,510,330	^a 518,425	272,117	19,750,793
1997 Total	17,844,046	6,368,631	24,212,677	3,491,542	592,134	263,819	19,865,182
Alabama Total	619,302	10,463	629,765	17,724	27,205	1,563	583,272
Onshore	210,211	10,463	220,674	17,724	16,056	1,320	185,574
State Offshore.....	214,414	0	214,414	0	11,149	243	203,021
Federal Offshore...	194,677	0	194,677	0	0	0	194,677
Alaska Total	179,534	3,201,416	3,380,950	2,904,370	0	8,269	468,311
Onshore	63,599	3,193,497	3,257,096	2,904,370	0	6,401	346,325
State Offshore.....	115,934	7,919	123,854	0	0	1,868	121,986
Federal Offshore...	0	0	0	0	0	0	0
Arizona.....	398	55	453	0	0	1	452
Arkansas.....	172,642	38,145	210,787	2,139	0	134	208,514
California Total	78,800	318,852	397,652	110,134	239	1,590	285,690
Onshore	74,540	242,597	317,137	78,583	239	1,590	236,725
State Offshore.....	0	7,171	7,171	225	NA	NA	6,947
Federal Offshore...	4,260	69,084	73,345	31,327	NA	NA	42,018
Colorado	550,765	95,960	646,725	7,172	0	2,178	637,375
Florida.....	0	6,907	6,907	0	793	0	6,114
Illinois ^E	224	7	231	0	0	0	231
Indiana.....	526	0	526	NA	NA	NA	526
Kansas.....	618,016	71,037	689,053	1,157	NA	680	687,215
Kentucky.....	79,547	0	79,547	0	0	0	79,547
Louisiana Total	4,613,916	685,040	5,298,956	47,207	NA	21,928	5,229,821
Onshore	1,254,326	102,828	1,357,155	9,782	NA	21,928	1,325,445
State Offshore.....	164,847	16,002	180,848	1,279	NA	NA	179,569
Federal Offshore...	3,194,743	566,210	3,760,953	36,147	NA	NA	3,724,807
Maryland.....	118	0	118	0	0	0	118
Michigan.....	249,291	62,323	311,614	2,340	NA	3,324	305,950
Mississippi.....	119,347	7,276	126,623	8,414	8,166	2,742	107,300
Missouri.....	5	0	5	0	0	0	5
Montana.....	46,613	7,008	53,621	64	NA	1,120	52,437
Nebraska.....	1,144	526	1,670	0	0	0	1,670
Nevada.....	0	9	9	0	0	0	9
New Mexico	1,460,104	257,365	1,717,468	10,456	145,594	2,786	1,558,633
New York ^E	15,525	669	16,193	0	0	5	16,188
North Dakota ^b	18,186	38,107	56,292	196	161	3,534	52,401
Ohio.....	116,246	0	116,246	NA	NA	NA	116,246
Oklahoma.....	1,450,118	253,770	1,703,888	NA	NA	NA	1,703,888
Oregon.....	1,382	0	1,382	43	166	0	1,173
Pennsylvania	80,000	0	80,000	NA	NA	NA	80,000
South Dakota.....	687	9,107	9,795	0	0	9,107	687
Tennessee.....	0	1,510	1,510	NA	NA	NA	1,510
Texas Total	5,865,930	1,150,211	7,016,141	250,949	263,397	47,922	6,453,873
Onshore	4,609,355	1,055,719	5,665,074	250,949	263,397	47,922	5,102,806
State Offshore.....	63,903	625	64,528	NA	NA	NA	64,528
Federal Offshore...	1,192,672	93,867	1,286,539	NA	NA	NA	1,286,539
Utah.....	231,368	43,552	274,920	990	NA	16,790	257,139
Virginia.....	58,249	0	58,249	0	0	0	58,249
West Virginia ^E	172,268	0	172,268	NA	NA	NA	172,268
Wyoming.....	1,043,797	109,318	1,153,115	128,186	146,414	140,147	738,368

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

^b Ceased injections.

^E = Estimated data.

NA = Not available.

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

Sources: West Virginia, 1997: 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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); and the United States Minerals Management Service.

Table 4. Offshore Gross Withdrawals of Natural Gas by State, 1993-1997
(Million Cubic Feet)

Year and State	State			Federal			Total Offshore
	From Gas Wells	From Oil Wells	Total	From Gas Wells	From Oil Wells	Total	
1993 Total	470,487	136,948	607,435	4,215,015	550,850	4,765,865	5,373,300
Alabama	131,508	0	131,508	86,515	0	86,515	218,023
Alaska	127,834	105,363	233,198	0	0	0	233,198
California	0	6,484	6,484	10,618	41,532	52,150	58,635
Louisiana	133,261	23,750	157,011	2,883,761	467,340	3,351,101	3,508,112
Texas	77,883	1,350	79,234	1,234,121	41,978	1,276,099	1,355,333
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	4,493,294	682,111	5,175,405	5,772,644
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	3,120,143	519,609	3,639,752	3,832,280
Texas	62,624	716	63,340	1,215,587	101,226	1,316,814	1,380,154
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

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, 1993-1997

State	1993	1994	1995	1996	1997
Alabama	3,514	3,565	3,526	4,105	4,156
Alaska	113	104	100	102	141
Arizona	6	6	7	7	8
Arkansas	3,500	3,500	3,988	4,020	3,700
California	1,092	1,261	997	978	930
Colorado.....	6,372	7,056	7,017	8,251	12,433
Illinois	385	390	372	370	372
Indiana	1,336	1,348	1,347	1,367	1,458
Kansas	19,472	19,365	22,020	21,388	21,500
Kentucky	12,836	13,036	13,311	13,501	13,825
Louisiana.....	15,569	12,958	14,169	15,295	14,958
Maryland	7	7	7	8	8
Michigan	5,500	6,000	5,258	5,826	6,825
Mississippi.....	620	583	535	568	560
Missouri ^a	8	12	15	24	0
Montana	3,075	2,940	2,918	2,990	3,071
Nebraska.....	59	87	87	88	91
Nevada	0	0	0	5	5
New Mexico.....	20,846	23,292	23,510	24,134	27,421
New York.....	5,757	5,884	6,134	6,208	5,731
North Dakota ^b	101	104	99	108	104
Ohio.....	34,782	34,731	34,520	34,380	34,238
Oklahoma.....	29,118	29,121	29,733	29,733	30,101
Oregon	18	19	17	18	17
Pennsylvania.....	31,100	31,150	31,025	31,792	32,692
South Dakota	47	55	56	61	60
Tennessee	0	0	0	0	505
Texas.....	47,101	48,654	54,635	53,816	56,747
Utah.....	1,061	1,303	1,127	1,339	1,475
Virginia	1,426	1,470	1,671	1,671	2,046
West Virginia.....	33,716	39,830	36,144	35,148	31,000
Wyoming	3,615	3,942	4,196	4,510	5,160
Total.....	282,152	291,773	298,541	301,811	311,338

^a No wells currently in production.

^b Ceased injections.

Sources: Energy Information Administration (EIA), Form EIA-627, "Annual Quantity and Value of Natural Gas Report" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); the United States Minerals Management Services (MMS), and *World Oil* Magazine.

Table 6. Wellhead Value and Marketed Production of Natural Gas by State, 1993-1997

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)			
1993 Total	15,341,514	—	2.04	18,981,915	38,810,612
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	19,750,793	42,818,138
1997 Total	17,105,855	—	2.32	19,865,182	46,131,323
Alabama.....	583,370	1,556,913	2.67	583,272	1,556,655
Alaska.....	191,017	346,783	1.82	468,311	850,200
Arizona.....	401	963	2.40	452	1,084
Arkansas ^c	71,449	288,214	4.03	208,514	841,118
California.....	219,216	527,433	2.41	285,690	687,367
Colorado ^c	637,375	1,418,457	2.23	637,375	1,418,458
Florida.....	NA	NA	—	6,114	0
Illinois.....	NA	NA	—	231	0
Indiana.....	526	1,147	2.18	526	1,147
Kansas.....	678,652	1,388,744	2.05	687,215	1,406,269
Kentucky.....	79,547	211,571	2.66	79,547	211,571
Louisiana.....	5,398,216	12,749,469	2.36	5,229,821	12,351,739
Maryland.....	118	263	2.23	118	263
Michigan.....	305,950	670,174	2.19	305,950	670,175
Mississippi.....	98,075	169,898	1.73	107,300	185,880
Missouri.....	5	8	1.70	5	8
Montana.....	50,409	80,316	1.59	52,437	83,548
Nebraska.....	1,194	1,823	1.53	1,670	2,548
Nevada ^d	0	0	—	9	0
New Mexico.....	1,540,157	2,717,844	1.76	1,558,633	2,750,442
New York.....	15,415	39,500	2.56	16,188	41,481
North Dakota.....	52,401	113,187	2.16	52,401	113,187
Ohio.....	116,246	313,864	2.70	116,246	313,864
Oklahoma.....	1,452,233	3,375,207	2.32	1,703,888	3,960,091
Oregon.....	1,173	2,566	2.19	1,173	2,566
Pennsylvania.....	NA	NA	—	80,000	0
South Dakota.....	687	1,435	2.09	687	1,435
Tennessee.....	1,510	3,850	2.55	1,510	3,850
Texas.....	4,716,304	11,674,626	2.48	6,453,873	15,975,789
Utah.....	174,275	324,277	1.86	257,139	478,465
Virginia.....	NA	NA	—	58,249	0
West Virginia.....	NA	NA	—	172,268	0
Wyoming.....	719,933	1,745,072	2.42	738,368	1,789,760

^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.
NA = Not available.

— = Not applicable.

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

Sources: West Virginia, 1997: 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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); and the United States Minerals Management Service.

Table 7. Natural Gas Processed, Liquids Extracted, and Estimated Extraction Loss by State, 1997

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	114,411	3,471	4,637	14,645
Alaska	2,964,734	34,908	41,535	154,848
Arkansas	185,244	429	554	1,785
California	243,054	9,246	11,600	38,594
Colorado.....	374,728	20,659	28,851	77,431
Florida	8,364	1,596	1,563	5,970
Illinois	500	60	200	260
Kansas	749,423	29,027	38,224	114,392
Kentucky	43,352	1,745	2,404	6,771
Louisiana.....	4,767,965	107,473	150,008	405,737
Michigan.....	86,564	4,484	6,147	17,426
Mississippi.....	4,372	232	300	1,011
Montana	8,859	324	409	1,342
New Mexico.....	851,305	74,970	109,046	271,830
North Dakota.....	51,657	3,897	5,076	16,291
Ohio.....	2,553	65	83	273
Oklahoma.....	1,014,008	67,745	96,830	248,951
Pennsylvania.....	11,661	587	734	2,413
Texas	4,171,967	275,315	391,174	1,018,436
Utah.....	249,930	13,757	17,872	53,176
West Virginia.....	69,092	5,057	7,179	18,906
Wyoming	863,052	35,952	49,333	135,528
Total.....	16,836,795	690,999	963,759	2,606,015

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 vast network of interconnected pipelines provides for the transmission and delivery of natural gas to customers in the lower 48 States. Principally, natural gas flows from the producing areas in Texas, Louisiana, Oklahoma, and offshore areas of the Gulf of Mexico toward the northeast and midwest. Imports, primarily from Canada, have continued to provide significant contributions, helping the United States meet increasing demand for natural gas.

pipeline capacity utilization remained near its maximum level and capacity expanded very little during the year. Increases in pipeline capacity are under development and others have been proposed for the next several years. Crossborder trade with Mexico also increased in 1997, and that nation holds substantial promise for expansion on both the supply and demand sides of the market. Spot purchases of liquefied natural gas (LNG) rose as the United States responded to LNG availability in the world marketplace.

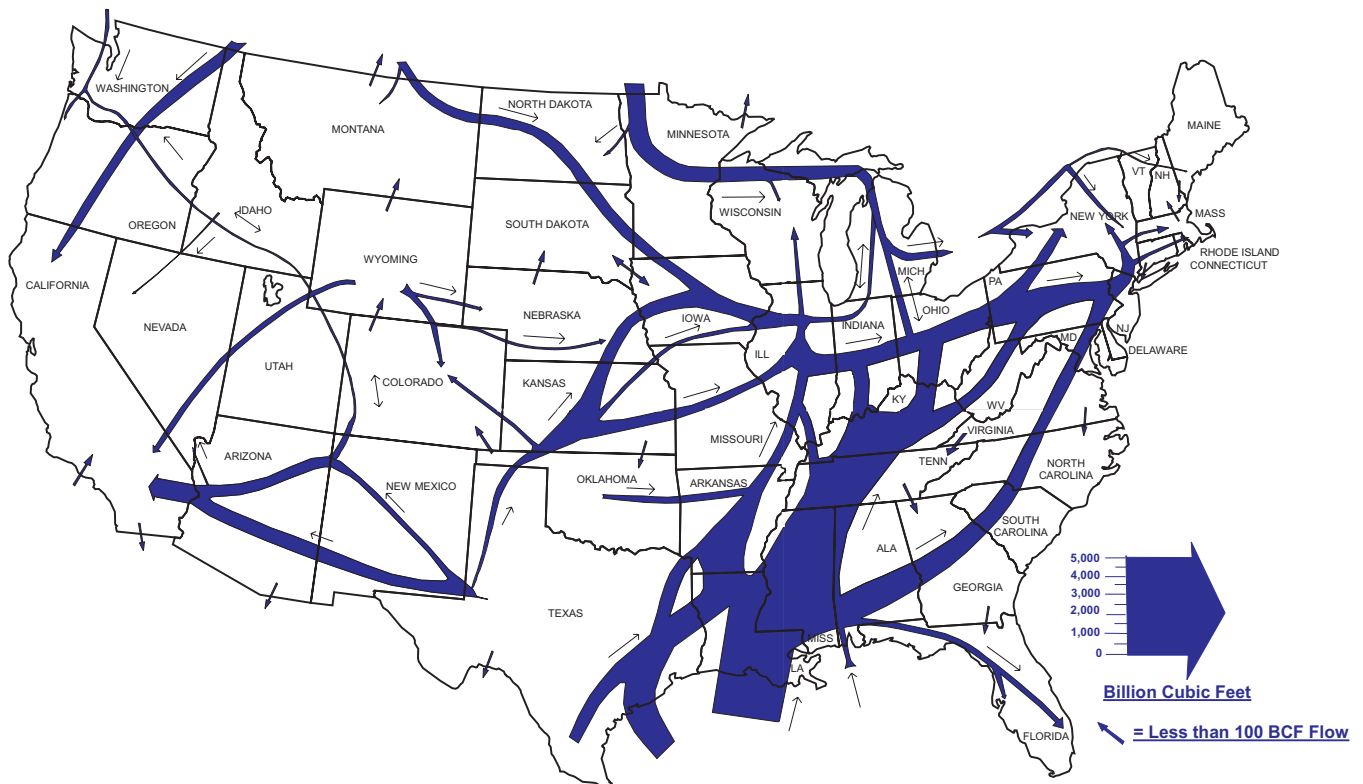
Imports and Exports

During 1997, net imports rose for the 11th consecutive year, representing 13 percent of U.S. natural gas consumption. Canada continued its role as the major supplier of natural gas imported into the United States. However, the growth rate of U.S. imports of Canadian gas was minimal because

Trade with Canada

For the 11th consecutive year, natural gas imports from Canada increased, reaching a record 3 trillion cubic feet and accounting for 97 percent of total U.S. imports of natural gas. The average price of Canadian imports was \$2.15 per thousand cubic feet, the highest average price since 1986. It rose 10 percent from the 1996 price and 45 percent above

Figure 6. Principal Interstate Natural Gas Flow Summary, 1997



1995's 20-year record low of \$1.48 per thousand cubic feet. The increases in Canadian import prices follow the trend in the U.S. wellhead prices. The 1997 U.S. wellhead price was 3 percent more than the 1996 level and 44 percent above the 1995 price.

Despite the record import levels from Canada, the growth rate was minimal, less than 1 percent, in contrast to an average annual growth rate of 13 percent during the previous 10 years. The capacity of the pipelines that bring the gas across the border constrained the growth rate as current capacity is almost completely utilized and little capacity expansion occurred during 1997. More than 3 billion cubic feet per day of Canadian export capacity has been proposed over the next several years, principally into the U.S. Midwest and Northeast. For the most part, the proposals are driven by growing markets in the United States and by Canadian natural gas producers seeking market outlets for their expanding production capabilities. Capacity additions within the United States are also proposed for moving Canadian and domestic gas from the Midwest to the Northeast.

Two crossborder pipeline expansion projects, each with a projected in-service date of November 1998, will add large amounts of capacity. Northern Border's Chicago Project will increase capacity from the U.S. Canadian border at Port of Morgan, Montana into Iowa by 700 million cubic feet per day and extend the pipeline into Illinois just south of Chicago. The Portland Natural Gas Transmission System project will connect facilities at the border near East Hereford, Quebec and Pittsburgh, New Hampshire with Westbrook, Maine. The Portland project will add 138 million cubic feet per day of capacity.

Natural gas exports to Canada rose to 56 billion cubic feet, a 9-percent increase over 1996 levels. The average price of these exports was \$2.52 per thousand cubic feet, 6 percent less than the 1996 price. Exports to Canada represented 36 percent of total U.S. natural gas exports during 1997.

Trade With Mexico

Exports of natural gas to Mexico rose in 1997 to 38.4 billion cubic feet, 13 percent above the 1996 level, but still well below the peak of 96.0 billion cubic feet in 1992. The price of exports to Mexico also climbed to \$2.46 per thousand cubic feet, up 17 percent from 1996 and the highest price since 1988. The United States imported 17.2 billion cubic feet of natural gas from Mexico in 1997, 24 percent more than during 1996. The United States did not import gas from Mexico from 1985 through November 1993. Since trade resumed in December 1993, imports from Mexico have represented less than 1 percent of total annual U.S. natural gas imports.

The fact that gas exports to Mexico are still less than in 1992 may reflect the increased availability of gas in Mexico because of increases in production by Petroleos Mexicanos (Pemex) during 1997. This additional production may have displaced some U.S. Supplies. However, Mexico still holds substantial promise for expansion on both the supply and demand sides of the market. Extensive infrastructure development is underway that will increase crossborder flows of gas in both directions. This development includes construction in Mexico of gas-fired electric utilities as well as natural gas distribution infrastructure, which will promote expanded gas consumption. Mexican sources predict that exports from Mexico into the United States will continue to grow but that Mexico is expected to be a net importer of natural gas during the foreseeable future.

Liquefied Natural Gas

During 1997, the United States imported liquefied natural gas (LNG) from Algeria, the United Arab Emirates (Abu Dhabi), and, for the first time, from Australia. The shipments from the United Arab Emirates and Australia were spot purchases. LNG shipments totaled 77.8 billion cubic feet, almost double the 1996 level. They were received in Massachusetts and Louisiana and represented 3 percent of total natural gas imports. LNG was exported from Alaska to Japan. These exports accounted for 40 percent of total gas exports.

LNG imports from Algeria rose to 65.7 billion cubic feet in 1997, the highest level since 1993. This increase was primarily the result of the end of curtailments, which began in August 1994. Sonatrach, the state-owned oil and gas company in Algeria, curtailed exports because of a major renovation project on that nation's liquefaction plants. Those renovations have progressed so that the original capacities of its liquefaction plants have been restored. By late 1996, Algerian shipments into the United States returned to near pre-curtailment levels, measured as the average of Algerian imports during 1990 through 1993. During 1997, Algerian imports represented 84 percent of LNG imports, but only 2 percent of the total amount of natural gas imported into the United States. The price of Algerian imports was \$2.67 per thousand cubic feet, 1 percent less than the 1996 price.

An LNG shipment of 2.4 billion cubic feet was imported from the United Arab Emirates in January. Shipments from Australia were received in May, September, and November, totaling 9.7 billion cubic feet. The price for the shipments from the United Arab Emirates averaged \$3.74 per thousand cubic feet, and from Australia, \$2.92 per thousand cubic feet. Purchasing of LNG on the spot market is likely to continue in the foreseeable future because of a world-wide surplus of LNG production capacity, reduced demand

caused by economic problems in the Far East, and reduced costs caused by new technological developments in the liquefaction process. Spot sales into the United States will continue if the market price of gas is high enough to justify long distance sales.¹

LNG exports from Alaska to Japan fell by 8 percent from 1996 to 1997 to 62.2 billion cubic feet. This decline may reflect the economic difficulties in the Far East that have resulted in reduced demand for energy in general and LNG in particular. The price for these exports increased by 5 percent between 1996 and 1997 to \$3.83 per thousand cubic feet.

At present, there are two LNG import facilities in the United States that are not receiving LNG shipments. The Cove Point LNG facility in southern Maryland continues to be used to liquefy and store gas for later regasification during peak demand periods. Currently the facility uses domestic gas, but in the long term it expects to be a receiving terminal for LNG tankers. The Elba Island LNG facility in Georgia is not scheduled for operation through 2000.

Two LNG projects are nearing completion that may have an impact on U.S. LNG trade:

- **The Trinidad and Tobago Export Facility.** This project would develop the natural gas resources off the east coast of Trinidad. It has one of the largest project-funding agreements ever to be completed in the Caribbean/Latin American region. Construction of an LNG facility on Trinidad began in 1996 with an anticipated completion date of mid-1999. This facility will target markets in the Northeastern United States, Spain, and Puerto Rico.
- **The EcoElectrica Power Plant in Puerto Rico.** EcoElectrica began construction of a power plant in January 1998 to be fueled by LNG supplied from Trinidad and other possible sources. EcoElectrica estimates that the facility will be completed and begin operations in 2000.

Storage

Underground storage plays an integral role in the restructured competitive markets by its ability to store natural gas which enables supply reliability during periods when demand is high. Many customers today are making their

own storage arrangements to ensure supply reliability and as a result they have become increasingly conscious of the costs involved, and expect new and more flexible storage services. A number of market center operators and marketers offer storage services to support short-term gas loans, gas balancing, and peaking services. No fewer than 38 market centers/hubs are in operation in the United States and Canada, and most of them offer one or more types of storage service to prospective customers.

At the end of 1997, there were 418 active underground storage fields in operation in the United States, with nearly 4.0 trillion cubic feet of working gas capacity and nearly 75 billion cubic feet per day of deliverability. These storage facilities are distributed among 30 States, with the Midwest ranking first and the Southwest ranking second in terms of both working gas capacity and deliverability.

Each year, there is heightened interest in the level of working gas in storage at the beginning of the heating season (October 31) and the beginning of the refill season (March 31). In recent years the trend has been to keep smaller inventories, as evidenced by lower levels of working gas in storage at the beginning of heating seasons. The *Natural Gas Monthly* reports the levels of working gas in storage and net withdrawals at the end of each month. Storage information is given in this report, the *Natural Gas Annual*, as of December 31. For the year 1997, withdrawals from underground storage were larger than injections and resulted in a net change of minus 21.7 billion cubic feet. For LNG storage, additions exceeded withdrawals by 0.3 billion cubic feet. The net change for total gas in storage from January through December was minus 21.3 billion cubic feet. This change results in an addition to natural gas supplies.

Pipeline Expansions

During 1997, over 40 pipeline expansion projects were completed and placed in service in the United States representing more than 6.3 billion cubic feet per day of added pipeline capacity. These projects either added capacity directly to the interstate network, improved local intrastate service, or expanded access to producing fields or natural gas market centers. These projects plus others increased overall daily interstate capability by a little over 2 percent or 4.6 billion cubic feet per day. This amount was 202 percent more than the interstate capacity added in 1996.² Moreover,

¹ U.S. Department of Energy, Office of Fossil Energy, *Natural Gas Imports and Exports, Fourth Quarter Report 1997*, DOE/FE-0360-4 (March 1998).

² Energy Information Administration, *Natural Gas Monthly*, Natural Gas Pipeline and System Expansions, (DOE/EIA-0130(97/04) Washington, DC, April 1997).

the total number of completed projects in the United States was substantially more than in 1995 (41 vs. 26).

With only a few exceptions, all of the natural gas pipeline projects slated for completion in 1997 were placed in-service on schedule.³ Two were canceled due to changes in market conditions or competitive pressures. Several others were postponed while their original designs were re-evaluated in light of conditional regulatory approval or shifts in construction priorities.

Some of the highlights of 1997 for U.S. pipeline expansions were:

- The increased development of gas resources in the Gulf of Mexico and specifically in the deeper waters (greater than 200 meters) off of Louisiana, Alabama and Mississippi contributed to the completion of 5 natural gas pipeline projects representing a total of 2.3 billion cubic feet per day of new pipeline capacity in the Gulf. Two of these projects, Nautilus and Texaco Discovery pipelines, now bring an additional 2.1 billion cubic feet per day to onshore Louisiana, while three others (1.1 billion cubic feet per day) operate as gathering systems linking new and expanding producing platforms located in the Gulf with mainlines directed to onshore facilities.
- In the San Juan Basin area of Colorado/New Mexico, the two major interstate pipeline systems operating in the region have undertaken efforts to expand and enhance facilities located on their respective systems. In 1997, Transwestern Pipeline Company and El Paso Natural Gas Company, completed projects that improved deliverability out of the basin and have several additional projects planned which would relieve the ongoing capacity constraint issue in the area. Transwestern Pipeline Company added an additional 0.25 billion cubic feet per day with the expansion of compression on its system within the basin while the El Paso Natural Gas Company completed its Havasu Crossover expansion project, expanding its capability on the westward-bound portion of the system to redirect supplies eastward (either physically or by displacement) just east of the California border. The expansion upgraded the crossover, which links the north and south parts of the El Paso system by 0.18 billion cubic feet per day.
- The KN Interstate Pipeline Company placed its Pony Express line (0.26 billion cubic feet per day) in service in August and the Trailblazer/Overthrust/Wyoming Interstate system (0.1 to 0.2 billion cubic feet per day) expansion was completed in the last quarter of the year. The latter expansion increased the system's

deliverability to its interconnection with the Natural Gas Pipeline Company of America's Amarillo line. These projects are aiding Rocky Mountain producers to accommodate their expanding area production and increase their presence in local energy markets and further extend their customer base in the midwest and eastern U.S. markets.

- While a major expansion of Canadian import capability is expected over the next several years, during 1997, only one of the interconnecting U.S. pipelines (Viking Gas Transmission Company) expanded its capacity; by 0.62 billion cubic feet per day. The TransCanada Pipeline system, however, increased its domestic deliverability by 0.12 billion cubic feet per day per day and upgraded several of its export points to the United States. The TransCanada export upgrades were primarily to alleviate some of its own limitations. Most of the U.S. pipelines were already capable of accepting the increased TransCanada export flows.
- In the Midwest, only three interstate pipeline projects were completed, accounting for 0.44 billion cubic feet per day of new capacity. These projects included the above mentioned Viking import project and the ANR Michigan Leg expansion which resolved a capacity bottleneck in the region. The remaining project provided increased deliverability (0.24 billion cubic feet per day) to customers in Minnesota and Wisconsin served by Northern Natural Gas Company.
- More pipeline expansion projects were completed in the northeastern U.S. than in any other part of North America. Twelve projects, accounting for 0.77 billion cubic feet per day of additional deliverability, were placed in-service. Almost all of the projects were to improve deliverability within local markets or to address bottlenecks which were limiting service in areas of growing demand. Texas Eastern Transmission Corporation accounted for three of the completed projects adding an additional 0.29 billion cubic feet per day to the area's network capability.
- Natural gas pipeline expansions completed in the Southeast improved deliverability within the region, primarily in North and South Carolina, Georgia and Alabama. About 0.44 billion cubic feet per day of additional capacity was added within the region. One system, Transcontinental Gas Pipeline Company, was involved in 3 of the 5 projects completed. In addition to increasing service off its in North Carolina mainline, completion of its Sunbelt project complimented the expansion of the regional South Carolina Pipeline system.
- Export capability to Mexico was increased for first time since 1992 with the completion of a new 0.25 billion cubic feet per day crossing at Calexico, California (Southern California Gas Company) and construction of the El Paso Energy Company's Samalayucca project, linking Texas supply sources with customers in Mexico's Chihuahua State, which was completed and became operational in December. The 45-mile, 0.21

³ Energy Information Administration, *Natural Gas Monthly*, Natural Gas Pipeline and System Expansions, (DOE/EIA-0130(97/04) Washington, DC, April 1997), Table SR1.

billion cubic feet per day pipeline is the first pipeline located in Mexico owned in part by a U.S. company. A major customer of the project will be a 700 Megawatt combined-cycle electric generating plant located in Samalayuca, Mexico, which will begin operations in late 1998.

The amount of new capacity proposed for development by the end of 2000 is significant, and if fully implemented would represent a significant capacity increase over 1997 levels. Although it is unlikely that all proposed expansions will be completed, more proposals are surfacing each week.

Beyond what has already been proposed, there are areas of the country where additional pipeline expansion plans might develop in response to changing market profiles and the development of new supply sources. For instance, Gulf of Mexico deep-water development will continue over the next decade and with it could come additional complementary onshore expansions. In addition, the Cotton Valley

Trend in east Texas, the expanding development in several major South Texas fields, and the continuing growth of coal-seam and other gas sources in Wyoming's Powder River area, as well as in several other Rocky Mountain production zones, will place pressure on local pipeline systems to expand their capabilities to reach nearby and distant markets.

The anticipated major increase in capacity from Canada to the midwestern United States has already spurred additional proposals for development of new pipelines and expansions of existing lines that would provide alternative capacity for transshipment of some of this gas to the U.S. Northeastern marketplace. Already several of the proposed Midwest-to-Northeast expansion projects are premised on the assumption that excess capacity into the Chicago, Illinois area could develop over the next several years as new (proposed Canadian source) pipelines are completed during the interim.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1997
(Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
Alabama	Florida	28	488,747	-488,719
	Georgia	0	1,498,880	-1,498,880
	Mississippi.....	3,062,699	0	3,062,699
	South Carolina	0	^b 6	-6
	Tennessee	395	1,261,194	-1,260,799
	Total	3,063,122	3,248,827	-185,706
Alaska	Japan	0	62,187	-62,187
	Total	0	62,187	-62,187
Arizona	California.....	0	813,065	-813,065
	Mexico.....	0	3,901	-3,901
	Nevada.....	0	31,386	-31,386
	New Mexico	969,669	0	969,669
	Total	969,669	848,353	121,316
Arkansas	Louisiana.....	2,007,259	185,631	1,821,628
	Mississippi.....	0	1,928,867	-1,928,867
	Missouri.....	5,437	681,275	-675,837
	Oklahoma.....	351,997	0	351,997
	Texas	507,425	3,500	503,925
	Total	2,872,118	2,799,272	72,846
California	Arizona.....	813,065	0	813,065
	Mexico.....	0	308	-308
	Nevada.....	229,779	0	229,779
	Oregon	628,284	0	628,284
	Total	1,671,128	308	1,670,820
Colorado	Kansas.....	0	103,952	-103,952
	Nebraska.....	188,153	0	188,153
	New Mexico	0	298,489	-298,489
	Oklahoma.....	9,754	57,339	-47,585
	Utah	105,763	18,291	87,472
	Wyoming	447,847	356,709	91,138
	Total	751,517	834,780	-83,263
Connecticut	Massachusetts.....	2,257	0	2,257
	New York	394,353	87,496	306,857
	Rhode Island.....	0	172,204	-172,204
	Total	396,610	259,700	136,910
Delaware	Maryland.....	0	3,405	-3,405
	Pennsylvania.....	47,619	0	47,619
	Total	47,619	3,405	44,214
District of Columbia	Maryland.....	10,879	0	10,879
	Virginia	24,265	0	24,265
	Total	35,144	0	35,144
Florida	Alabama.....	488,747	28	488,719

See footnotes at end of table.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1997
(Continued)
(Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
	Georgia	14,407	0	14,407
	Total	503,155	28	503,126
Georgia	Alabama	1,498,880	0	1,498,880
	Florida	0	14,407	-14,407
	South Carolina	0	1,105,837	-1,105,837
	Tennessee	0	9,406	-9,406
	Total	1,498,880	1,129,650	369,230
Idaho	Canada	856,503	0	856,503
	Nevada	0	39,742	-39,742
	Oregon	144,868	0	144,868
	Utah	141	0	141
	Washington	0	867,820	-867,820
	Wyoming	0	43,314	-43,314
	Total	1,001,512	950,876	50,636
Illinois	Indiana	111,842	1,266,782	-1,154,940
	Iowa	906,321	29,138	877,183
	Kentucky	430,037	0	430,037
	Missouri	987,980	0	987,980
	Wisconsin	59,176	179,149	-119,973
	Total	2,495,356	1,475,069	1,020,287
Indiana	Illinois	1,266,782	111,842	1,154,940
	Kentucky	927,090	0	927,090
	Michigan	8,038	431,453	-423,414
	Ohio	53,819	1,085,258	-1,031,439
	Total	2,255,729	1,628,553	627,176
Iowa	Illinois	29,138	906,321	-877,183
	Minnesota	547,322	237,858	309,464
	Missouri	241,023	0	241,023
	Nebraska	618,269	0	618,269
	South Dakota	275	266	8
	Total	1,436,026	1,144,445	291,581
Kansas	Colorado	103,952	0	103,952
	Missouri	0	565,965	-565,965
	Nebraska	1,400	853,417	-852,017
	Oklahoma	1,096,277	30,511	1,065,765
	Total	1,201,629	1,449,894	-248,265
Kentucky	Illinois	0	430,037	-430,037
	Indiana	0	927,090	-927,090
	Ohio	6,325	1,267,992	-1,261,667
	Tennessee	3,570,228	0	3,570,228
	West Virginia	0	808,019	-808,019
	Total	3,576,553	3,433,137	143,416
Louisiana	Algeria	^c 28,066	0	28,066
	Arkansas	185,631	2,007,259	-1,821,628
	Australia	^c 2,530	0	2,530
	Mississippi	264	3,771,541	-3,771,277
	Texas	1,920,334	8,652	1,911,682
	Total	2,136,825	5,787,452	-3,650,627

See footnotes at end of table.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1997
(Continued)
(Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
Maine	Massachusetts	^b 11	0	11
	New Hampshire	6,433	0	6,433
	Total	6,444	0	6,444
Maryland	Delaware	3,405	0	3,405
	District of Columbia	0	10,879	-10,879
	Pennsylvania	54,540	643,881	-589,342
	Virginia	874,829	26,257	848,572
	Total	932,773	681,017	251,756
Massachusetts	Algeria	^c 37,610	0	37,610
	Australia	^e 7,156	0	7,156
	Connecticut	0	2,257	-2,257
	Maine	0	^b 11	-11
	New Hampshire	0	19,585	-19,585
	New York	264,309	0	264,309
	Rhode Island	123,040	49,705	73,335
	United Arab Emirates	^e 2,417	0	2,417
	Total	434,532	71,558	362,974
Michigan	Canada	23,356	573,066	-549,710
	Indiana	431,453	8,038	423,414
	Ohio	289,270	4,295	284,975
	Wisconsin	731,905	133,994	597,910
	Total	1,475,984	719,394	756,590
Minnesota	Canada	950,706	0	950,706
	Iowa	237,858	547,322	-309,464
	North Dakota	0	9,984	-9,984
	South Dakota	611,095	0	611,095
	Wisconsin	1,006	872,001	-870,995
	Total	1,800,665	1,429,306	371,358
Mississippi	Alabama	0	3,062,699	-3,062,699
	Arkansas	1,928,867	0	1,928,867
	Louisiana	3,771,541	264	3,771,277
	Tennessee	1,059	2,597,695	-2,596,636
	Total	5,701,467	5,660,658	40,809
Missouri	Arkansas	681,275	5,437	675,837
	Illinois	0	987,980	-987,980
	Iowa	0	241,023	-241,023
	Kansas	565,965	0	565,965
	Nebraska	244,329	0	244,329
	Oklahoma	16,570	37	16,534
	Total	1,508,139	1,234,476	273,663
Montana	Canada	572,977	0	572,977
	North Dakota	9,285	586,353	-577,068
	South Dakota	0	1,260	-1,260
	Wyoming	9,769	309	9,459
	Total	592,031	587,923	4,108

See footnotes at end of table.

**Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1997
(Continued)
(Million Cubic Feet)**

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
Nebraska				
	Colorado	0	188,153	-188,153
	Iowa	0	618,269	-618,269
	Kansas	853,417	1,400	852,017
	Missouri	0	244,329	-244,329
	South Dakota	0	12,951	-12,951
	Wyoming	229,312	0	229,312
	Total	1,082,729	1,065,103	17,627
Nevada				
	Arizona	31,386	0	31,386
	California	0	229,779	-229,779
	Idaho	39,742	0	39,742
	Utah	272,657	0	272,657
	Total	343,785	229,779	114,006
New Hampshire				
	Maine	0	6,433	-6,433
	Massachusetts	19,585	0	19,585
	Vermont	8,134	0	8,134
	Total	27,720	6,433	21,287
New Jersey				
	New York	0	706,829	-706,829
	Pennsylvania	1,274,307	0	1,274,307
	Total	1,274,307	706,829	567,479
New Mexico				
	Arizona	0	969,669	-969,669
	Colorado	298,489	0	298,489
	Texas	4,966	471,549	-466,583
	Total	303,455	1,441,218	-1,137,763
New York				
	Canada	656,332	0	656,332
	Connecticut	87,496	394,353	-306,857
	Massachusetts	0	264,309	-264,309
	New Jersey	706,829	0	706,829
	Pennsylvania	402,443	88,027	314,416
	Total	1,853,100	746,689	1,106,411
North Carolina				
	South Carolina	971,634	0	971,634
	Virginia	5,276	737,497	-732,221
	Total	976,910	737,497	239,413
North Dakota				
	Canada	7,672	0	7,672
	Minnesota	9,984	0	9,984
	Montana	586,353	9,285	577,068
	South Dakota	0	633,621	-633,621
	Total	604,009	642,906	-38,897
Ohio				
	Indiana	1,085,258	53,819	1,031,439
	Kentucky	1,267,992	6,325	1,261,667
	Michigan	4,295	289,270	-284,975
	Pennsylvania	692	515,754	-515,062
	West Virginia	304,341	970,643	-666,301
	Total	2,662,578	1,835,811	826,767

See footnotes at end of table.

**Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1997
(Continued)
(Million Cubic Feet)**

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
Oklahoma				
	Arkansas	0	351,997	-351,997
	Colorado	57,339	9,754	47,585
	Kansas	30,511	1,096,277	-1,065,765
	Missouri.....	37	16,570	-16,534
	Texas	739,589	341,030	398,559
	Total	827,475	1,815,627	-988,152
Oregon				
	California.....	0	628,284	-628,284
	Idaho	0	144,868	-144,868
	Washington	954,325	0	954,325
	Total	954,325	773,152	181,173
Pennsylvania				
	Delaware.....	0	47,619	-47,619
	Maryland.....	643,881	54,540	589,342
	New Jersey	0	1,274,307	-1,274,307
	New York	88,027	402,443	-314,416
	Ohio	515,754	692	515,062
	West Virginia.....	1,229,874	9,049	1,220,825
	Total	2,477,537	1,788,650	688,887
Rhode Island				
	Connecticut.....	172,204	0	172,204
	Massachusetts.....	49,705	123,040	-73,335
	Total	221,909	123,040	98,868
South Carolina				
	Alabama.....	^b 6	0	6
	Georgia	1,105,837	0	1,105,837
	North Carolina.....	0	971,634	-971,634
	Total	1,105,842	971,634	134,208
South Dakota				
	Iowa	266	275	-8
	Minnesota	0	611,095	-611,095
	Montana	1,260	0	1,260
	Nebraska.....	12,951	0	12,951
	North Dakota.....	633,621	0	633,621
	Wyoming.....	0	241	-241
	Total	648,098	611,611	36,487
Tennessee				
	Alabama.....	1,261,194	395	1,260,799
	Georgia	9,406	0	9,406
	Kentucky.....	0	3,570,228	-3,570,228
	Mississippi.....	2,597,695	1,059	2,596,636
	Virginia.....	0	1	-1
	Total	3,868,295	3,571,683	296,613
Texas				
	Arkansas.....	3,500	507,425	-503,925
	Louisiana.....	8,652	1,920,334	-1,911,682
	Mexico.....	17,243	34,163	-16,920
	New Mexico	471,549	4,966	466,583
	Oklahoma.....	341,030	739,589	-398,559
	Total	841,974	3,206,478	-2,364,504
Utah				
	Colorado	18,291	105,763	-87,472
	Idaho	0	141	-141
	Nevada.....	0	272,657	-272,657

See footnotes at end of table.

Table 8. Interstate Movements and Movements Across U.S. Borders of Natural Gas by State, 1997
(Continued)
(Million Cubic Feet)

State	State or Country From/To	Volume		
		Receipts/ Imports From	Deliveries/ Exports To	Net ^a
	Wyoming	425,028	116,348	308,680
	Total	443,318	494,909	-51,590
Vermont	Canada	19,343	0	19,343
	New Hampshire	0	8,134	-8,134
	Total	19,343	8,134	11,209
Virginia	District of Columbia	0	24,265	-24,265
	Maryland	26,257	874,829	-848,572
	North Carolina	737,497	5,276	732,221
	Tennessee	1	0	1
	West Virginia	356,306	2,464	353,842
	Total	1,120,061	906,833	213,228
Washington	Canada	360,261	0	360,261
	Idaho	867,820	0	867,820
	Oregon	0	954,325	-954,325
	Total	1,228,081	954,325	273,756
West Virginia	Kentucky	808,019	0	808,019
	Ohio	970,643	304,341	666,301
	Pennsylvania	9,049	1,229,874	-1,220,825
	Virginia	2,464	356,306	-353,842
	Total	1,790,175	1,890,522	-100,347
Wisconsin	Illinois	179,149	59,176	119,973
	Michigan	133,994	731,905	-597,910
	Minnesota	872,001	1,006	870,995
	Total	1,185,145	792,086	393,058
Wyoming	Colorado	356,709	447,847	-91,138
	Idaho	43,314	0	43,314
	Montana	309	9,769	-9,459
	Nebraska	0	229,312	-229,312
	South Dakota	241	0	241
	Utah	116,348	425,028	-308,680
	Total	516,922	1,111,955	-595,034
Total Natural Gas Movements		64,741,721	61,873,174	2,868,547
Movements Across U.S. Borders		^d 3,542,173	^e 673,625	2,868,547
U.S. Interstate Movements		61,199,549	61,199,549	0

^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.

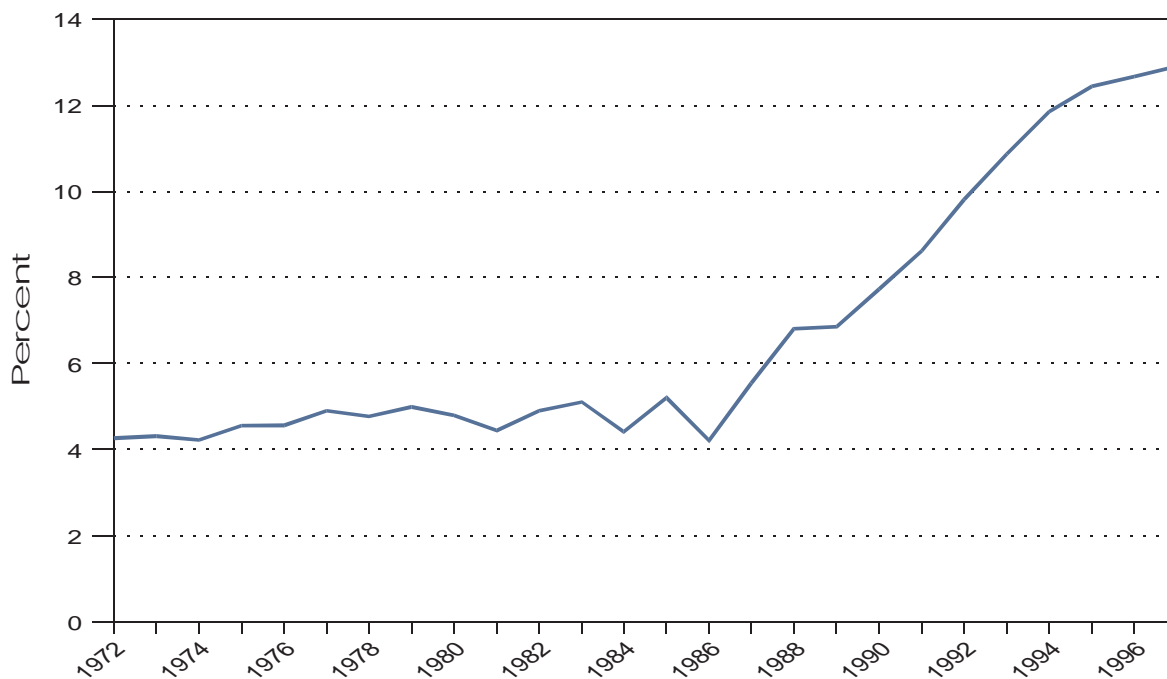
^d Volumes include 2,994,173 million cubic feet of imports from Mexico, Algeria, United Arab Emirates, Australia, and Canada, and 548,000 million cubic feet of intransit receipts from Canada.

^e Volumes include 157,006 million cubic feet of exports to Japan, Mexico, and Canada, and 516,620 million cubic feet of intransit natural gas deliveries to Canada.

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

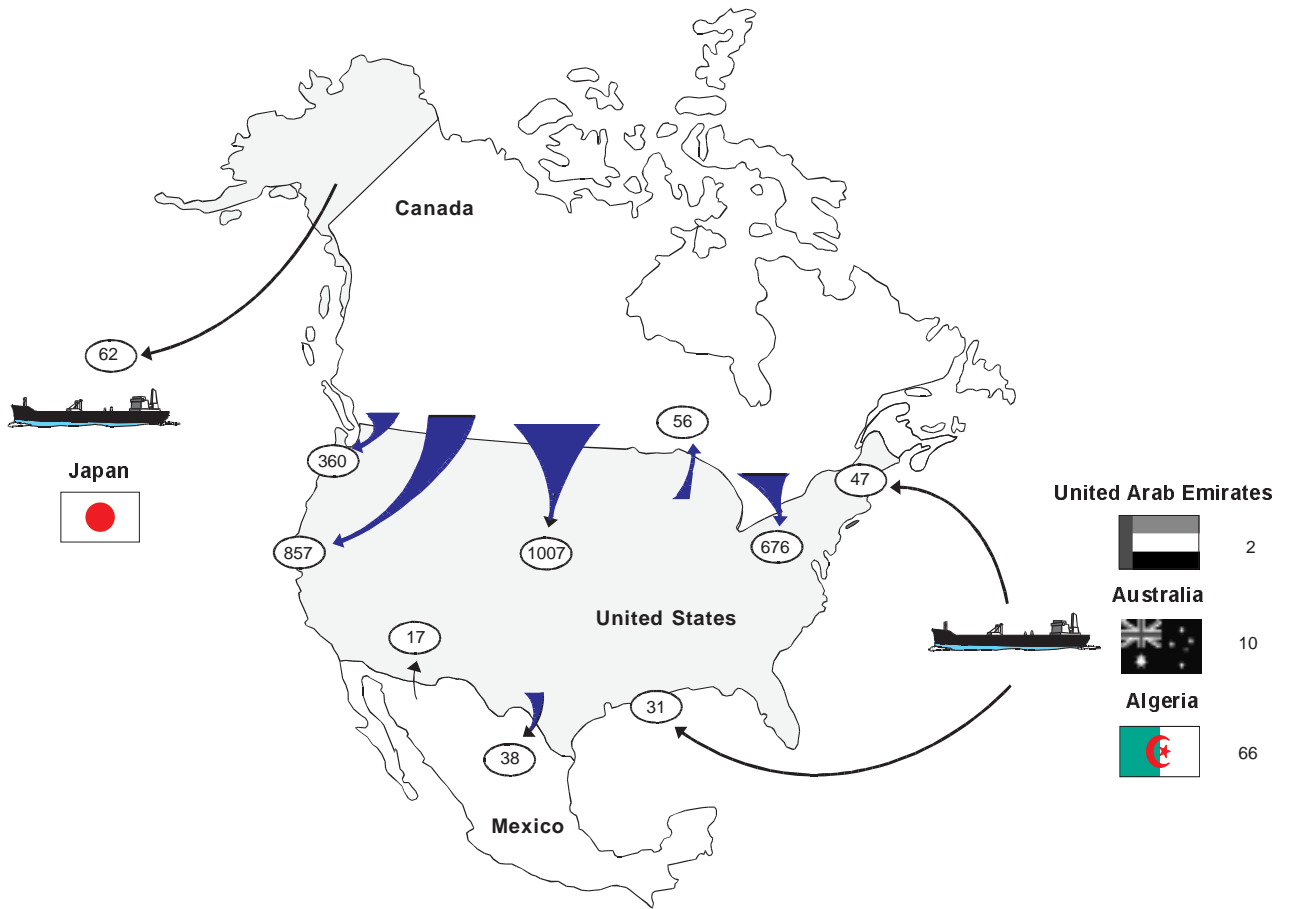
Source: Energy Information Administration (EIA), Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 7. Net Imports as a Percentage of Total Consumption of Natural Gas, 1972-1997



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 and 1997: 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, 1997
(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, 1993-1997

	1993	1994	1995	1996	1997
Imports					
Volume (million cubic feet)					
Pipeline					
Canada.....	2,266,751	2,566,049	2,816,408	2,883,277	2,899,152
Mexico.....	1,678	7,013	6,722	13,862	17,243
Total Pipeline Imports.....	2,268,429	2,573,061	2,823,130	2,897,138	2,916,394
LNG					
Algeria.....	81,685	50,778	17,918	35,325	65,675
Australia.....	0	0	0	0	9,686
United Arab Emirates.....	0	0	0	4,949	2,417
Total LNG Imports.....	81,685	50,778	17,918	40,274	77,778
Total Imports.....	2,350,115	2,623,839	2,841,048	2,937,413	2,994,173
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada.....	2.02	1.86	1.48	1.96	2.15
Mexico.....	1.94	1.99	1.53	2.25	2.31
Total Pipeline Imports.....	2.02	1.86	1.48	1.96	2.15
LNG					
Algeria.....	2.20	2.28	2.30	2.70	2.67
Australia.....	—	—	—	—	2.92
United Arab Emirates.....	—	—	—	3.46	3.74
Total LNG Imports.....	2.20	2.28	2.30	2.80	2.74
Total Imports.....	2.03	1.87	1.49	1.97	2.17
Exports					
Volume (million cubic feet)					
Pipeline					
Canada.....	44,518	52,556	27,554	51,905	56,447
Mexico.....	39,676	46,500	61,283	33,840	38,372
Total Pipeline Exports.....	84,195	99,057	88,836	85,745	94,818
LNG					
Japan.....	55,989	62,682	65,283	67,648	62,187
Total Exports.....	140,183	161,738	154,119	153,393	157,006
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada.....	2.14	2.42	1.96	2.67	2.52
Mexico.....	2.02	1.68	1.50	2.11	2.46
Total Pipeline Exports.....	2.08	2.08	1.64	2.45	2.49
LNG					
Japan.....	3.34	3.18	3.41	3.65	3.83
Total Exports.....	2.59	2.50	2.39	2.97	3.02

— = Not applicable.

Notes: 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" (1993 and 1994), and Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997).

Table 10. Additions to and Withdrawals from Gas Storage by State, 1997
(Million Cubic Feet)

State	Underground Storage			LNG Storage			Net Change in Storage
	Injections	Withdrawals	Net	Additions	Withdrawals	Net	
Alabama.....	2,022	1,860	162	960	535	425	587
Arkansas.....	6,665	6,915	-250	57	68	-11	-261
California.....	145,511	161,852	-16,340	51	109	-58	-16,398
Colorado.....	39,389	38,864	525	0	0	0	525
Connecticut.....	0	0	0	832	737	94	94
Delaware.....	0	0	0	112	121	-8	-8
Georgia.....	0	0	0	3,221	3,374	-153	-153
Idaho.....	0	0	0	868	836	32	32
Illinois.....	227,785	217,632	10,153	283	483	-200	9,952
Indiana.....	23,403	24,388	-984	2,520	1,867	653	-331
Iowa.....	61,132	54,877	6,255	2,134	1,893	241	6,496
Kansas.....	114,848	103,475	11,372	0	0	0	11,372
Kentucky.....	57,073	60,086	-3,013	0	0	0	-3,013
Louisiana.....	302,324	293,076	9,248	30,419	28,245	2,174	11,422
Maine.....	0	0	0	11	13	-2	-2
Maryland.....	15,510	14,966	544	1,439	252	1,186	1,730
Massachusetts.....	0	0	0	5,049	8,565	-3,517	-3,517
Michigan.....	424,651	421,264	3,388	0	0	0	3,388
Minnesota.....	1,417	1,044	373	1,686	1,715	-29	344
Mississippi.....	63,216	66,979	-3,763	0	0	0	-3,763
Missouri.....	5,081	4,629	453	0	0	0	453
Montana.....	18,219	30,181	-11,962	0	0	0	-11,962
Nebraska.....	6,659	5,069	1,590	505	383	122	1,712
Nevada.....	0	0	0	276	214	61	61
New Jersey.....	0	0	0	3,926	3,330	596	596
New Mexico.....	12,936	15,001	-2,065	0	0	0	-2,065
New York.....	67,135	67,438	-304	1,625	760	865	561
North Carolina.....	0	0	0	2,016	1,686	330	330
Ohio.....	200,327	192,991	7,336	0	0	0	7,336
Oklahoma.....	132,489	123,008	9,482	0	0	0	9,482
Oregon.....	6,259	4,943	1,316	889	841	48	1,364
Pennsylvania.....	312,787	341,168	-28,381	4,615	5,852	-1,237	-29,618
Rhode Island.....	0	0	0	1,056	1,533	-476	-476
South Carolina.....	0	0	0	6	461	-455	-455
Tennessee.....	0	0	0	1,875	2,416	-541	-541
Texas.....	312,254	322,289	-10,035	0	0	0	-10,035
Utah.....	42,803	35,231	7,571	0	0	0	7,571
Virginia.....	0	0	0	1,096	988	108	108
Washington.....	20,018	19,015	1,003	2,193	2,145	48	1,051
West Virginia.....	164,299	181,015	-16,716	0	0	0	-16,716
Wisconsin.....	0	0	0	143	92	51	51
Wyoming.....	14,080	14,989	-908	0	0	0	-908
Total.....	2,800,294	2,824,245	-23,950	69,865	69,517	348	-23,603

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."

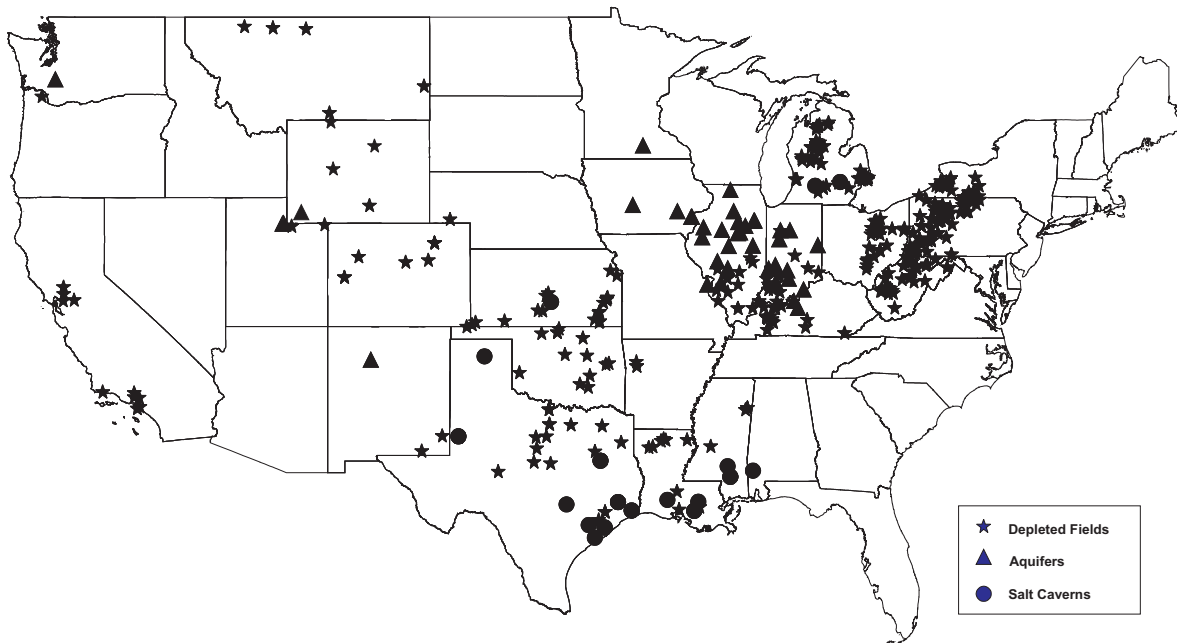
Table 11. Underground Natural Gas Storage Capacity by State, December 31, 1997
(Capacity in Billion Cubic Feet)

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	3	32	0	0	3	32	0.38
California.....	0	0	10	396	0	0	10	396	4.76
Colorado.....	4	66	5	34	0	0	9	100	1.20
Illinois.....	7	326	24	639	0	0	31	966	11.59
Indiana.....	6	16	22	97	0	0	28	113	1.36
Iowa.....	10	408	0	0	0	0	10	408	4.90
Kansas.....	16	284	4	20	0	0	20	304	3.65
Kentucky.....	6	167	19	53	0	0	25	220	2.64
Louisiana.....	8	530	5	29	0	0	13	559	6.71
Maryland.....	1	62	0	0	0	0	1	62	0.74
Michigan.....	30	781	18	212	0	0	48	993	11.92
Minnesota.....	0	0	1	7	0	0	1	7	0.08
Mississippi.....	3	121	4	13	0	0	7	134	1.61
Missouri.....	0	0	1	31	0	0	1	31	0.38
Montana.....	1	287	4	56	0	0	5	343	4.11
Nebraska.....	1	39	0	0	0	0	1	39	0.47
New Mexico.....	1	69	2	28	0	0	3	97	1.16
New York.....	20	165	2	10	0	0	22	175	2.11
Ohio.....	15	390	8	183	0	0	23	573	6.88
Oklahoma.....	6	214	4	58	4	124	14	396	4.75
Oregon.....	0	0	2	12	0	0	2	12	0.14
Pennsylvania.....	34	624	18	38	7	23	59	685	8.22
Texas.....	10	240	23	441	1	3	34	684	8.21
Utah.....	3	122	0	0	0	0	3	122	1.46
Washington.....	1	37	0	0	0	0	1	37	0.45
West Virginia.....	26	693	0	0	10	41	36	734	8.81
Wyoming.....	3	76	4	30	0	0	7	106	1.27
Total.....	212	5,720	184	2,421	22	191	418	8,332	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, 1997
(Million Cubic Feet)

State	Synthetic Natural Gas	Propane-Air	Refinery Gas	Biomass Gas	Other	Total
Alabama	0	21	0	0	0	21
Colorado	0	49	0	0	^a 6,265	6,314
Connecticut	14	22	0	0	0	37
Delaware	0	2	0	0	0	2
Georgia	0	14	0	0	0	14
Hawaii	2,617	0	0	0	0	2,617
Illinois	0	57	4,108	0	0	4,165
Indiana	0	625	0	0	^b 2,954	3,580
Iowa	0	137	0	0	0	137
Kentucky	0	24	0	0	0	24
Maine	0	31	0	0	0	31
Maryland	0	178	0	0	0	178
Massachusetts	0	147	0	0	0	147
Michigan	0	0	0	0	^c 22,238	22,238
Minnesota	0	172	0	0	0	172
Missouri	0	719	0	0	0	719
Nebraska	0	134	0	0	0	134
New Hampshire	0	102	0	0	0	102
New Jersey	0	15	5,638	811	0	6,464
New York	0	77	0	803	0	881
North Dakota	53,179	0	0	0	0	53,179
Ohio	0	333	0	1,090	0	1,423
Oregon	0	2	0	0	0	2
Pennsylvania	0	135	0	0	0	135
Rhode Island	0	18	0	0	0	18
South Carolina	0	10	0	0	0	10
South Dakota	0	30	0	0	0	30
Tennessee	0	19	0	0	0	19
Vermont	0	6	0	0	0	6
Virginia	0	350	0	0	0	350
Wisconsin	0	5	0	0	0	5
Total	55,809	3,435	9,746	2,705	31,458	103,153

^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 in 1997 reached 22 trillion cubic feet, virtually unchanged from the 1996 level but among the highest annual levels ever recorded. Natural gas has accounted for 25 percent of total energy consumption in the United States since 1992, and this share was maintained in 1997. Increases in consumption in the commercial and electric utility sectors were offset by declines in the residential and industrial sectors. Commercial consumption set a new record, 3.2 trillion cubic feet, surpassing the previous record high from a year ago by 2 percent. Deliveries of gas to industrial consumers, which include deliveries to cogenerators, represented 44 percent of total deliveries to natural gas consumers.

Residential and Commercial

Consumption in the residential sector is driven primarily by weather-related space-heating requirements. It dropped

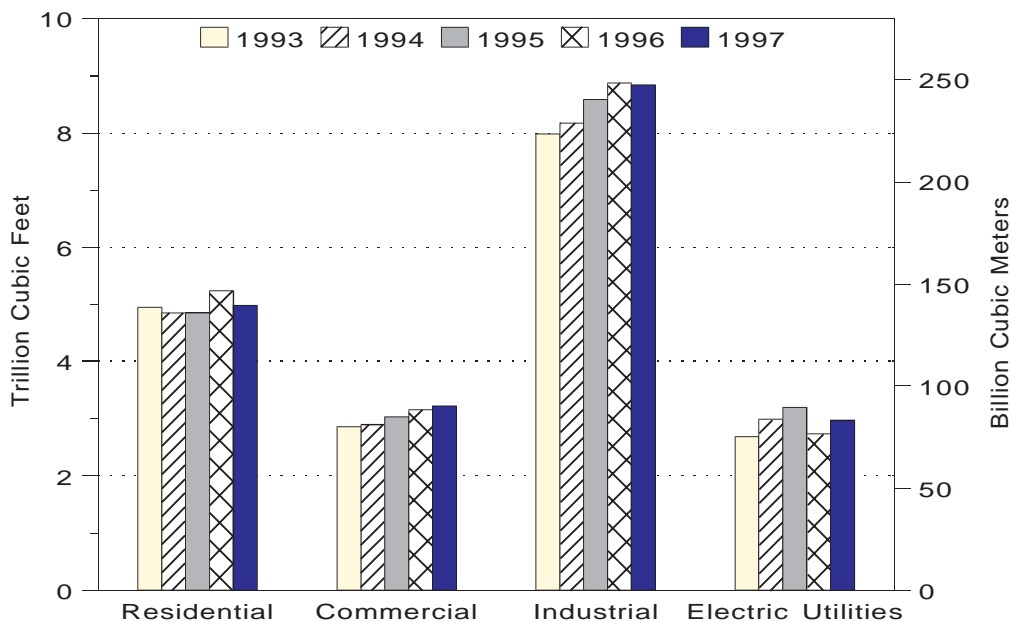
by 5 percent from the 1996 level to 5.0 trillion cubic feet. Warm weather during the first quarter of 1997 explains most of the decline in residential consumption from year-ago levels. Temperatures in March 1996 were very cold, resulting in heating degree days that were 14 percent below normal. March 1997 was warmer than normal and had 20 percent fewer heating degree days than March 1996.

Despite the decline in residential consumption, it was still among the highest recorded annual levels.

As in 1995 and 1996, nearly one million new consumers entered the residential natural gas market in 1997, reaching 56.2 million, 2 percent above the number in 1996. Average consumption per consumer during 1997 was 89,000 cubic feet, 6 percent less than in the previous year.

Consumption in the commercial sector is also driven by space-heating requirements. Despite the warmer-than-

Figure 10. Natural Gas Delivered to Consumers in the United States, 1993-1997



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."

normal weather in 1997, commercial consumption climbed to a new record level in 1997, 3.2 trillion cubic feet, 2 percent above last year's record. A 7-percent rise in the number of commercial consumers may have contributed to the increase. The number of commercial consumers grew by 284,157 from 1996 to 1997, more than the total growth in consumers in this sector shown from 1993 to 1996.

Industrial

In recent years, more than 40 percent of natural gas deliveries have been used by industrial consumers. After increasing in a steady upward trend for 10 consecutive years, deliveries to this sector fell slightly in 1998 to 8.8 trillion cubic feet, but were still slightly above the previous historical high set more than 20 years ago in 1973. Industrial consumption includes deliveries to all nonutility power producers.

Because different manufacturing activities use different proportions of gas in their production processes, the relationship between manufacturing output and gas consumption varies widely across industries. Such differences are often caused by technology choices, variations in output levels, and differential rates of energy efficiency. Increases reported for deliveries to industrials in recent years may be attributed in large measure to natural gas consumption by nonutility generators. Much of the natural gas consumed by nonutility generators is used for cogeneration. During the cogeneration process, a single energy input, such as natural gas, is used to produce both electricity and useful thermal energy in the form of process heat. Industries that use large quantities of natural gas to produce process heat, such as chemical manufacturing, are especially conducive to cogeneration applications.

Beginning with the 1996 annual reporting cycle, the Energy Information Administration 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 on the commercial and industrial volumes is not quantifiable, and therefore no historical adjustment of the data has been done. Thus, 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 these changes in the reporting requirements. See Appendix A for more discussion of this change in data series.

Electric Utilities

Natural gas consumption by electric utilities rose substantially in 1997 to 3.0 trillion cubic feet, 9 percent above last year. Two States, California and New York, accounted for more than half of the increase. Electric utilities in California consumed 60 billion cubic feet more gas in 1997 than in 1996, 25 percent of the total increase for the Nation. In New York, the comparable increase was 75 billion cubic feet, 32 percent of the U.S. total. Nationally, electric utilities in the United States generated 1 percent more power than during 1996, and the role played by natural gas in that generation increased to 9 percent from the previous year's share of 8 percent.

Electric utility consumption, shown in this report is taken from the Form EIA-759, "Monthly Power Plant Report," on which electric utilities report receipts of natural gas. The differences between receipts reported on this form and deliveries reported on the Form EIA-176 are shown in Appendix A, Table A1. More detailed information about natural gas consumption in the electricity sector may be found in the EIA publication, *Electric Power Annual, Volume 1*.

Other Consuming Sectors

Lease fuel, plant fuel, and pipeline fuel are volumes of natural gas consumed in the production, processing, and transmission of natural gas. Lease fuel and pipeline fuel each represented 4 and 3 percent respectively, of total consumption during 1997, and plant fuel, 2 percent. Thirty percent of total lease fuel consumption was used in Alaska, primarily for repressuring. The level of gas repressuring or reinjection is very high in Alaska because there are limited facilities for delivering gas to consumers.

The volumes of natural gas consumed in the production, processing, and transmission of natural gas are related to production and consumption volumes. During 1997, dry production remained virtually unchanged from the previous year. However, both lease and plant fuel consumption declined by 3 and 5 percent respectively.

Consumption of pipeline fuel, gas used in the operation of pipelines, increased by 6 percent or slightly more than 40 billion cubic feet over the 1996 level. This was expected as a result of a 3 percent increase in the volume of interstate movements of natural gas.

While the amount of natural gas delivered for vehicle fuel use was very small compared to deliveries to other consuming sectors in 1997, it remains an area with very high growth potential. It was 4.4 billion cubic feet, 51 percent more than in 1996. Volumes of natural gas consumed as vehicle fuel

may, in fact, be somewhat higher than shown. Some volumes are believed to be included in the volumes delivered to commercial establishments where refueling facilities exist and the consumption by fleet vehicles is not separately metered from space heating consumption.

Table 13. Consumption of Natural Gas by State, 1993-1997
(Million Cubic Feet)

Year and State	Delivered to Consumers	Lease Fuel	Plant Fuel	Pipeline Fuel	Total Consumption
1993 Total	18,482,847	723,118	448,822	624,308	20,279,095
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	800,004	450,033	711,446	21,966,991
1997 Total	20,018,683	775,619	426,873	751,595	21,972,770
Alabama.....	292,093	7,020	2,468	20,689	322,270
Alaska.....	149,165	230,578	40,706	4,938	425,387
Arizona.....	112,589	51	0	18,597	131,237
Arkansas.....	244,641	^a 6,349	508	11,591	263,089
California.....	1,850,269	69,386	4,796	22,493	1,946,945
Colorado.....	263,988	17,150	12,435	12,371	305,945
Connecticut.....	134,557	0	0	2,492	137,049
D.C.....	33,824	0	0	246	34,070
Delaware.....	46,477	0	0	13	46,490
Florida.....	477,639	^a 2,321	113	5,644	485,717
Georgia.....	353,699	0	0	7,973	361,672
Hawaii.....	2,611	0	0	0	2,611
Idaho.....	61,707	0	0	5,186	66,892
Illinois.....	1,062,462	^a 6	80	14,517	1,077,065
Indiana.....	546,817	12	0	10,773	557,602
Iowa.....	243,476	0	0	11,309	254,785
Kansas.....	248,562	^a 20,641	26,205	39,109	334,518
Kentucky.....	202,583	^a 1,816	641	22,854	227,894
Louisiana.....	1,360,152	^a 156,387	71,155	71,523	1,659,218
Maine.....	6,247	0	0	0	6,247
Maryland.....	204,316	^a 3	0	3,124	207,443
Massachusetts.....	377,908	0	0	2,356	380,263
Michigan.....	943,883	^a 9,386	2,674	23,776	979,719
Minnesota.....	334,571	0	0	19,509	354,080
Mississippi.....	206,747	3,280	372	44,979	255,378
Missouri.....	276,123	^a 0	0	7,456	283,579
Montana.....	54,114	2,089	188	3,436	59,827
Nebraska.....	128,031	38	7	4,084	132,160
Nevada.....	127,968	9	0	656	128,633
New Hampshire.....	20,822	0	0	24	20,846
New Jersey.....	617,632	0	0	3,407	621,039
New Mexico.....	142,354	18,476	45,982	61,897	268,709
New York.....	1,220,102	778	0	7,477	1,228,357
North Carolina.....	206,939	0	0	7,265	214,204
North Dakota.....	42,826	4,152	4,420	4,744	56,143
Ohio.....	878,123	1,162	39	19,453	898,777
Oklahoma.....	452,457	^a 51,042	30,370	26,130	560,000
Oregon.....	159,111	0	0	12,481	171,592
Pennsylvania.....	652,217	^a 2,022	253	39,173	693,664
Rhode Island.....	82,102	0	0	837	82,938
South Carolina.....	150,961	0	0	2,940	153,901
South Dakota.....	32,288	224	0	2,910	35,421
Tennessee.....	259,773	^a 45	0	22,559	282,377
Texas.....	3,566,672	144,787	157,013	82,115	3,950,587
Utah.....	137,605	16,478	8,141	2,935	165,159
Vermont.....	8,052	0	0	9	8,061
Virginia.....	232,672	^a 1,330	0	7,387	241,389
Washington.....	222,392	0	0	8,836	231,228
West Virginia.....	119,512	^a 4,500	2,710	32,318	159,040
Wisconsin.....	396,052	0	0	4,544	400,596
Wyoming.....	70,797	4,099	15,597	10,461	100,955

^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 3.8 percent of gross withdrawals in the lower 48 states. 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 .02498 for Alaska and .03012 for the lower 48 states. Those ratios were applied to gross withdrawals from all

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

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"; Form EIA-644, "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, 1993-1997

Year and State	Residential		Commercial		Industrial	
	Volume (million cubic feet)	Consumers	Volume (million cubic feet)	Consumers	Volume (million cubic feet)	Consumers
1993 Total	4,956,445	52,535,411	2,861,569	4,464,906	7,981,433	209,666
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	3,218,606	5,004,384	8,842,896	238,905
Alabama	48,496	781,711	32,360	65,919	201,240	2,496
Alaska.....	15,146	83,596	26,908	12,945	73,599	7
Arizona	31,057	724,911	30,132	50,115	27,864	480
Arkansas	42,428	544,460	29,441	68,413	147,969	1,338
California	478,904	9,060,473	253,923	406,803	737,354	36,553
Colorado.....	115,583	1,183,978	69,074	123,580	73,781	2,961
Connecticut	40,562	436,119	42,624	48,195	34,554	3,459
D.C.	15,807	134,807	18,012	10,874	0	0
Delaware	8,972	109,400	6,608	9,807	14,805	265
Florida	13,117	532,790	36,700	48,251	130,816	565
Georgia.....	114,383	1,553,948	57,220	123,367	174,747	3,311
Hawaii.....	517	30,990	1,751	2,783	342	27
Idaho	15,239	200,165	11,433	26,436	34,999	189
Illinois	497,230	3,521,707	202,850	268,841	317,755	28,473
Indiana.....	169,140	1,509,142	81,753	140,515	290,723	6,921
Iowa.....	81,696	780,746	50,191	90,643	107,463	1,843
Kansas	69,415	811,975	41,236	84,992	112,089	6,957
Kentucky	66,033	713,509	38,627	77,693	95,724	1,698
Louisiana.....	52,709	962,786	25,613	62,270	1,004,383	1,430
Maine.....	1,009	15,221	2,713	6,606	2,525	81
Maryland	77,500	890,195	49,802	69,056	65,954	479
Massachusetts	112,308	1,204,494	105,813	107,926	108,295	11,063
Michigan	379,838	2,859,483	192,258	465,726	338,456	12,236
Minnesota.....	128,873	1,134,019	92,232	108,686	107,338	2,245
Mississippi.....	27,626	423,397	22,070	47,311	83,967	1,199
Missouri.....	127,625	1,293,032	69,829	135,553	71,164	3,464
Montana	21,002	209,806	13,911	27,457	18,766	462
Nebraska	47,105	444,970	33,853	51,661	44,418	11,553
Nevada.....	25,243	426,221	21,958	27,629	28,925	97
New Hampshire.....	6,939	77,092	7,489	13,225	5,830	385
New Jersey	216,925	2,193,629	168,760	226,714	202,418	17,638
New Mexico.....	36,623	443,167	31,343	38,919	40,854	1,368
New York.....	375,641	4,077,385	320,862	314,613	305,521	23,109
North Carolina.....	52,894	740,013	38,021	97,629	111,513	5,375
North Dakota	11,370	98,326	10,870	14,099	20,580	216
Ohio.....	354,543	3,041,948	183,838	254,991	335,993	7,780
Oklahoma	71,762	872,454	45,086	90,284	206,677	2,569
Oregon	32,522	456,960	25,465	60,419	90,403	704
Pennsylvania.....	262,494	2,452,524	144,084	215,057	238,220	6,495
Rhode Island	18,162	212,777	12,303	21,862	24,472	336
South Carolina	25,741	443,093	19,560	50,817	102,929	1,764
South Dakota	13,203	130,307	10,422	17,432	6,928	481
Tennessee	64,130	867,793	55,117	105,925	138,877	2,394
Texas.....	234,988	3,543,027	216,333	332,077	2,058,755	8,178
Utah.....	58,108	567,786	31,129	40,689	44,162	3,379
Vermont.....	2,631	25,539	3,051	3,928	2,334	30
Virginia	73,905	812,866	61,895	78,986	85,264	2,391
Washington	61,813	702,701	46,686	75,550	111,159	3,748
West Virginia	35,996	362,432	25,913	33,970	57,380	173
Wisconsin.....	135,819	1,361,348	88,729	131,238	155,677	8,346
Wyoming	12,999	125,740	10,754	15,907	46,936	194

See footnotes at end of table.

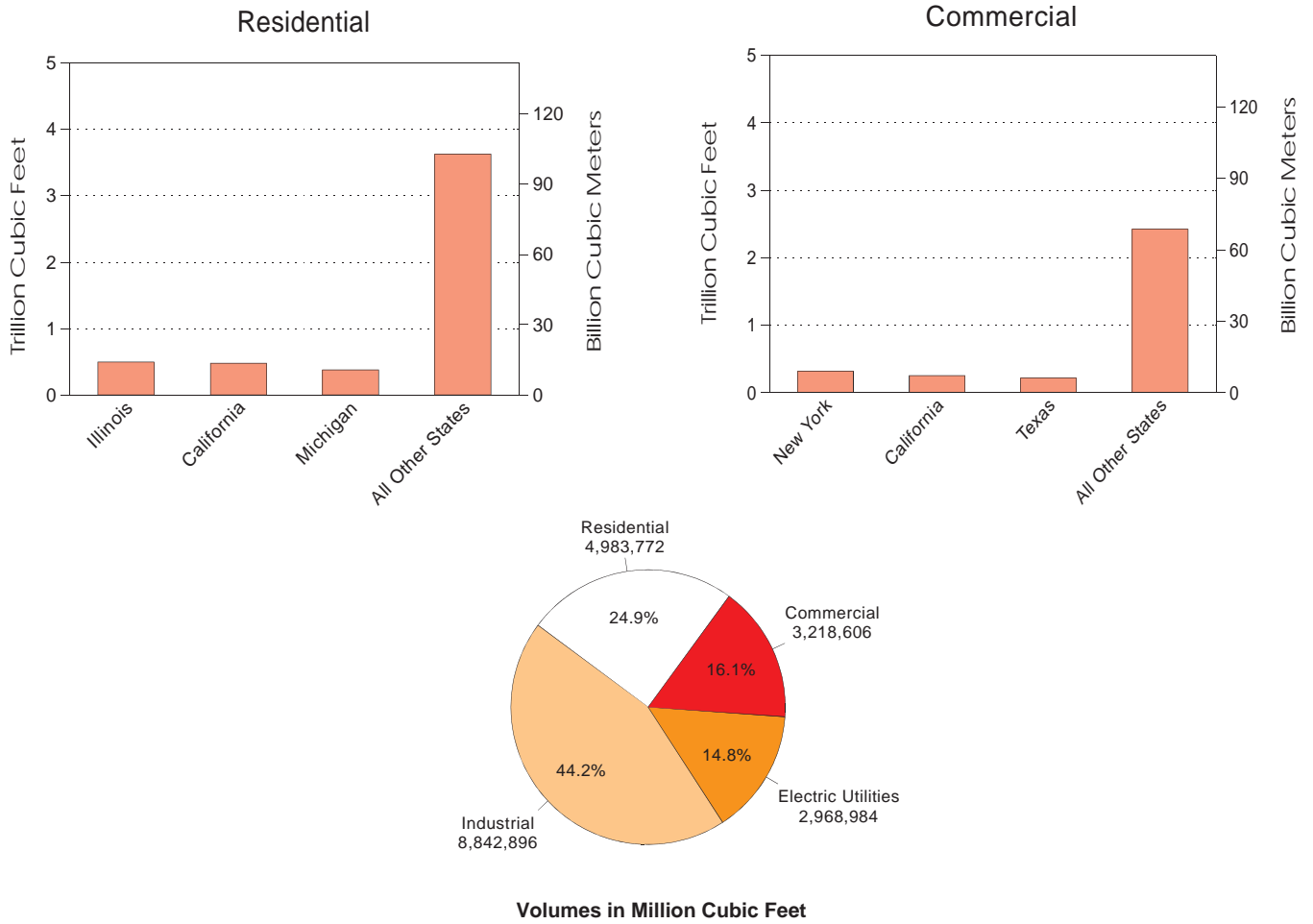
Table 14. Natural Gas Delivered to Consumers by State, 1993-1997 (Continued)

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)	
1993 Total	960	2,682,440	18,482,847	1,027
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	2,968,984	20,018,683	1,026
Alabama.....	2	9,996	292,093	1,041
Alaska.....	0	33,511	149,165	1,000
Arizona.....	152	23,384	112,589	1,021
Arkansas.....	2	24,802	244,641	1,015
California.....	2,121	377,967	1,850,269	1,018
Colorado.....	13	5,537	263,988	1,012
Connecticut.....	56	16,762	134,557	1,027
D.C.....	6	0	33,824	1,021
Delaware.....	2	16,090	46,477	1,035
Florida.....	64	296,940	477,639	1,048
Georgia.....	7	7,341	353,699	1,027
Hawaii.....	0	0	2,611	1,030
Idaho.....	36	0	61,707	1,031
Illinois.....	21	44,606	1,062,462	1,021
Indiana.....	60	5,141	546,817	1,011
Iowa.....	2	4,123	243,476	1,009
Kansas.....	1	25,822	248,562	1,000
Kentucky.....	5	2,194	202,583	1,050
Louisiana.....	16	277,431	1,360,152	1,118
Maine.....	0	0	6,247	1,014
Maryland.....	57	11,004	204,316	1,034
Massachusetts.....	5	51,486	377,908	1,022
Michigan.....	42	33,288	943,883	1,016
Minnesota.....	31	6,097	334,571	1,018
Mississippi.....	3	73,081	206,747	1,034
Missouri.....	40	7,464	276,123	1,010
Montana.....	16	420	54,114	1,031
Nebraska.....	0	2,656	128,031	998
Nevada.....	65	51,776	127,968	1,027
New Hampshire.....	0	564	20,822	1,011
New Jersey.....	1	29,528	617,632	1,035
New Mexico.....	158	33,376	142,354	1,021
New York.....	584	217,493	1,220,102	1,026
North Carolina.....	0	4,511	206,939	1,036
North Dakota.....	5	1	42,826	1,050
Ohio.....	264	3,485	878,123	1,045
Oklahoma.....	110	128,822	452,457	1,012
Oregon.....	35	10,686	159,111	1,046
Pennsylvania.....	50	7,368	652,217	1,035
Rhode Island.....	3	27,162	82,102	1,024
South Carolina.....	1	2,731	150,961	1,031
South Dakota.....	5	1,730	32,288	1,018
Tennessee.....	13	1,635	259,773	1,031
Texas.....	15	1,056,582	3,566,672	1,028
Utah.....	128	4,079	137,605	1,042
Vermont.....	0	36	8,052	1,012
Virginia.....	37	11,571	232,672	1,044
Washington.....	116	2,619	222,392	1,046
West Virginia.....	6	219	119,512	1,068
Wisconsin.....	55	15,772	396,052	1,011
Wyoming.....	13	95	70,797	1,069

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, 1997



Note: Vehicle fuel volume for 1997 was 4,424 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, 1993-1997
(Million Cubic Feet)

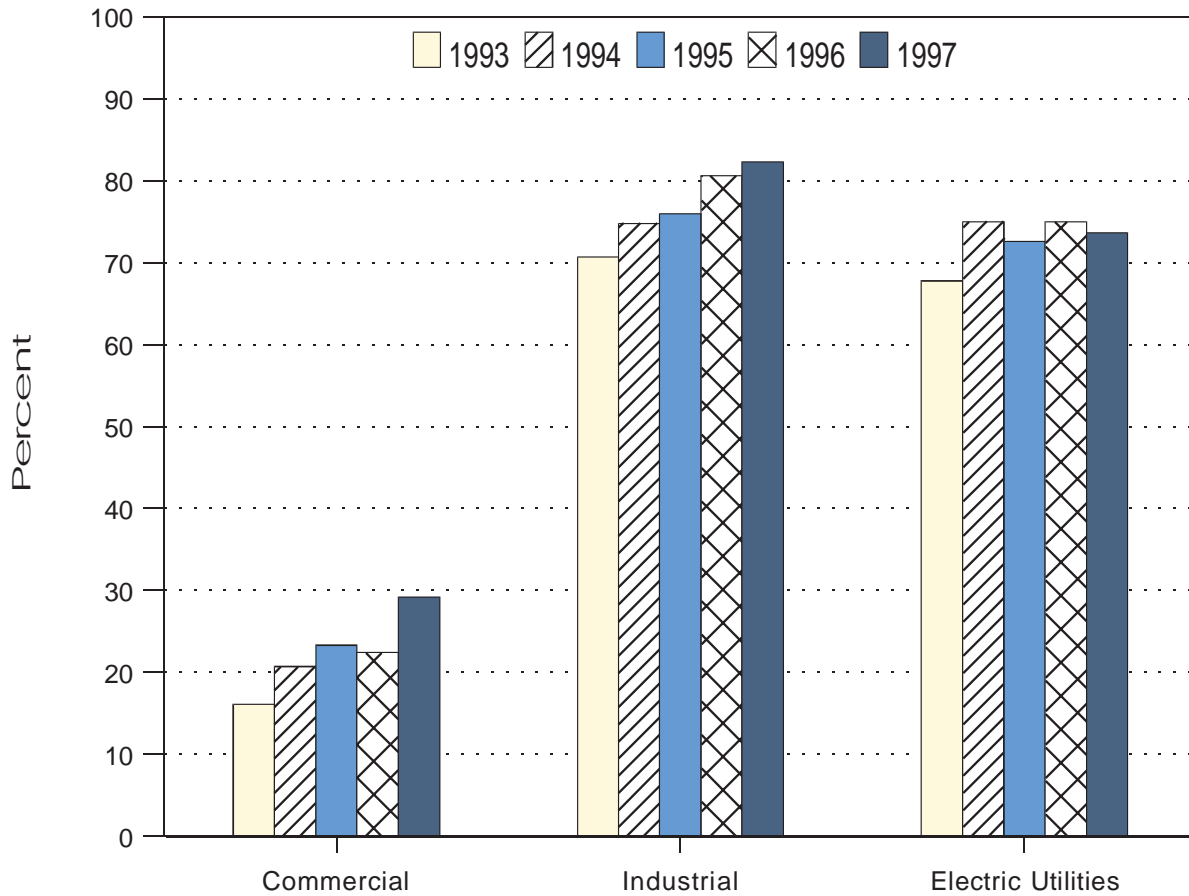
State	1993		1994		1995		1996		1997	
	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries
Alabama.....	4,950	19.2	5,043	19.8	5,213	19.9	5,470	18.9	11,432	35.3
Alaska.....	0	—	0	—	5,019	20.1	9,990	36.6	12,241	45.5
Arizona.....	2,336	8.5	2,709	9.3	3,282	11.6	4,309	14.9	4,662	15.5
Arkansas.....	2,393	8.3	1,351	4.9	1,104	4.0	1,550	5.0	1,699	5.8
California.....	57,781	23.1	134,346	51.3	133,483	47.9	106,531	45.3	125,836	49.6
Colorado.....	3,241	4.5	3,403	5.2	3,863	5.8	4,702	6.8	4,998	7.2
Connecticut.....	602	1.9	7,455	19.1	6,836	18.0	5,193	13.1	7,709	18.1
D.C.....	332	2.0	1,343	9.1	3,954	23.2	4,823	29.5	8,122	45.1
Florida.....	911	2.2	861	2.2	988	2.4	1,204	2.9	932	2.5
Georgia.....	5,487	9.5	4,304	8.0	3,663	6.5	3,646	5.9	6,211	10.9
Idaho.....	1,405	13.2	1,427	14.1	1,450	14.0	1,543	13.4	1,593	13.9
Illinois.....	90,812	44.7	93,206	47.2	101,211	49.7	100,495	46.1	92,730	45.7
Indiana.....	3,724	4.8	5,841	7.7	10,149	12.3	3,255	3.7	8,290	10.1
Iowa.....	2,648	5.3	4,597	9.6	5,394	10.7	6,728	12.3	5,934	11.8
Kansas.....	9,729	17.4	11,295	21.6	14,029	26.4	16,200	28.3	12,085	29.3
Kentucky.....	2,809	7.4	3,171	8.6	4,169	10.8	3,773	9.2	3,860	10.0
Louisiana.....	479	1.9	505	2.1	464	1.9	451	1.8	1,048	4.1
Maryland.....	1,497	3.4	1,291	2.9	1,469	3.1	3,734	8.1	16,394	32.9
Massachusetts.....	1,625	2.5	20,132	23.8	12,453	15.1	24,311	25.3	39,539	37.4
Michigan.....	56,547	31.4	62,825	34.3	65,266	33.6	66,621	33.1	69,739	36.3
Minnesota.....	2,623	3.0	3,336	4.0	5,696	6.3	3,768	3.8	1,077	1.2
Mississippi.....	647	3.4	647	3.4	615	3.1	585	2.6	1,148	5.2
Missouri.....	10,710	15.4	11,072	16.7	10,880	16.7	12,988	17.8	14,059	20.1
Montana.....	939	6.8	1,070	8.2	1,131	8.4	1,247	8.4	1,181	8.5
Nebraska.....	3,142	9.0	7,726	19.8	9,181	22.9	12,247	30.0	8,738	25.8
Nevada.....	1,283	7.3	3,276	17.5	4,416	23.6	5,272	25.8	6,305	28.7
New Hampshire.....	0	—	0	—	52	0.8	218	3.1	567	7.6
New Jersey.....	10,901	8.5	11,045	8.4	19,074	13.7	40,100	26.7	73,902	43.8
New Mexico.....	10,459	37.5	9,395	37.6	9,520	39.8	9,351	35.3	7,959	25.4
New York.....	50,279	22.8	45,626	20.4	55,135	23.8	58,135	23.0	113,408	35.3
North Carolina.....	561	1.5	1,314	3.4	2,831	7.6	1,409	3.5	2,141	5.6
North Dakota.....	2,908	27.3	2,199	20.4	2,224	19.1	1,454	12.0	1,207	11.1
Ohio.....	25,345	15.5	30,807	18.5	41,569	23.7	53,609	28.2	63,352	34.5
Oklahoma.....	4,095	10.0	4,214	11.5	5,894	14.9	7,165	15.5	8,204	18.2
Oregon.....	504	2.1	430	1.9	419	1.9	431	1.7	378	1.5
Pennsylvania.....	29,758	22.6	35,514	25.6	45,481	31.6	45,809	29.6	52,464	36.4
Rhode Island.....	0	—	0	—	0	—	1,010	8.2	2,405	19.5
South Carolina.....	132	0.8	265	1.5	688	3.6	199	1.0	235	1.2
South Dakota.....	1,724	16.1	1,124	10.9	1,406	13.2	2,008	17.3	1,742	16.7
Tennessee.....	2,129	4.2	2,992	5.9	3,163	6.2	3,316	5.7	4,312	7.8
Texas.....	28,423	16.2	31,742	17.6	65,911	31.4	29,469	16.5	83,494	38.6
Utah.....	0	—	4,438	16.7	4,892	18.2	5,360	18.1	5,222	16.8
Virginia.....	5,902	11.2	7,039	13.3	9,062	15.9	8,712	14.7	13,705	22.1
Washington.....	2,671	6.1	1,993	4.6	3,514	8.3	6,795	14.1	7,440	15.9
West Virginia.....	11,134	45.7	11,194	44.8	12,536	48.5	12,263	43.8	11,779	45.5
Wisconsin.....	4,312	5.6	5,133	6.5	6,760	8.0	7,848	8.4	15,907	17.9
Wyoming.....	207	2.0	358	3.9	632	6.4	1,370	14.1	1,705	15.9
Total.....	460,097	16.1	599,058	20.7	706,139	23.3	706,667	22.4	939,086	29.2

^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. In 1996 and 1997, consumption of natural gas for agricultural use is 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, 1993-1997



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, 1993-1997
(Million Cubic Feet)

State	1993		1994		1995		1996		1997	
	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.....	131,817	72.6	132,073	72.7	156,374	76.6	155,962	77.4	151,727	75.4
Alaska.....	22,258	29.4	25,523	41.6	31,112	47.9	27,026	35.7	1,609	2.2
Arizona.....	15,868	75.0	18,035	69.7	20,825	75.3	21,670	80.3	20,873	74.9
Arkansas.....	102,902	86.2	115,461	86.2	119,716	86.2	122,937	87.0	132,410	89.5
California.....	485,326	73.6	537,503	81.8	604,196	87.8	622,182	89.7	671,397	91.1
Colorado.....	44,465	64.4	51,292	72.1	55,143	76.1	65,641	78.5	56,338	76.4
Connecticut.....	10,164	27.6	1,435	4.7	4,130	12.5	5,008	15.4	11,597	33.6
Delaware.....	4,922	25.3	5,631	32.7	6,281	32.4	8,882	62.7	10,223	69.0
Florida.....	73,610	73.4	106,166	83.7	112,361	84.2	119,191	87.2	117,731	90.0
Georgia.....	112,491	67.2	108,859	62.6	118,125	64.3	123,193	67.8	128,111	73.3
Idaho.....	29,057	99.7	28,932	97.2	33,291	97.8	34,080	98.6	34,311	98.0
Illinois.....	265,110	86.9	267,348	87.6	286,103	89.0	278,262	86.3	281,159	88.5
Indiana.....	210,303	79.9	233,870	86.6	236,435	85.8	241,236	83.4	244,246	84.0
Iowa.....	87,613	85.4	96,016	88.3	104,993	91.2	103,757	91.0	98,195	91.4
Kansas.....	120,962	87.0	175,691	93.5	112,942	87.2	101,877	92.4	101,404	90.5
Kentucky.....	53,163	69.9	57,149	68.8	65,659	72.3	68,850	72.9	77,303	80.8
Louisiana.....	670,825	68.9	759,747	76.0	733,133	70.2	942,276	89.9	903,298	89.9
Maine.....	0	—	0	—	0	—	197	9.0	218	8.6
Maryland.....	38,989	79.8	39,697	83.2	42,475	86.7	44,186	88.3	61,067	92.6
Massachusetts.....	65,739	69.4	67,072	72.3	73,793	68.5	74,115	74.1	86,377	79.8
Michigan.....	283,775	90.9	292,945	89.4	296,745	90.9	315,568	90.9	308,012	91.0
Minnesota.....	55,355	56.6	53,928	57.1	69,467	65.4	60,195	58.7	63,995	59.6
Mississippi.....	60,506	60.4	48,154	56.0	48,691	57.6	47,133	58.3	50,692	60.4
Missouri.....	46,608	76.4	56,873	79.4	53,484	77.6	53,656	75.0	55,638	78.2
Montana.....	11,407	89.9	13,395	96.1	17,565	96.9	17,483	96.6	18,193	96.9
Nebraska.....	28,068	72.6	28,971	78.4	37,370	83.5	28,756	79.6	32,405	73.0
Nevada.....	23,660	95.7	28,312	98.1	30,102	98.2	32,073	98.4	28,399	98.2
New Hampshire.....	0	—	225	5.0	1,639	35.6	2,193	44.6	2,987	51.2
New Jersey.....	83,216	44.1	81,222	42.6	98,456	47.1	96,081	47.8	107,183	53.0
New Mexico.....	16,107	94.6	16,884	90.1	19,596	92.9	22,049	96.5	28,662	70.2
New York.....	125,916	78.5	180,002	83.9	240,506	86.3	291,057	90.2	279,409	91.5
North Carolina.....	20,068	21.7	38,907	41.0	56,707	53.1	42,287	40.6	60,729	54.5
North Dakota.....	4,570	75.0	4,402	75.3	5,319	81.8	5,813	73.5	16,783	81.6
Ohio.....	270,667	89.8	281,055	90.3	312,067	92.7	321,733	92.7	316,813	94.3
Oklahoma.....	124,925	69.6	148,340	75.7	164,610	84.8	187,816	93.4	197,058	95.3
Oregon.....	43,558	71.9	42,891	68.6	51,352	74.5	71,942	82.0	75,666	83.7
Pennsylvania.....	183,131	75.8	187,980	79.5	209,372	83.8	198,545	81.5	204,331	85.8
Rhode Island.....	41,243	89.6	37,257	91.0	31,211	88.9	21,472	83.1	20,203	82.6
South Carolina.....	33,507	35.1	22,755	23.3	18,336	18.6	13,562	14.2	13,525	13.1
South Dakota.....	2,428	48.8	3,449	62.6	5,017	72.4	5,414	75.4	5,257	75.9
Tennessee.....	66,780	53.7	64,615	54.3	65,914	52.4	67,050	53.0	85,683	61.7
Texas.....	1,258,773	66.9	1,321,308	72.2	1,402,017	72.9	1,708,843	79.9	1,703,403	82.7
Utah.....	39,387	93.1	32,238	88.0	37,694	89.0	38,424	91.0	40,234	91.1
Virginia.....	54,791	75.1	67,341	78.5	83,030	85.2	69,163	82.0	74,182	87.0
Washington.....	54,177	58.7	62,877	58.4	73,798	67.1	86,332	75.6	85,079	76.5
West Virginia.....	40,863	86.6	40,684	87.0	44,726	85.6	42,843	85.7	50,353	87.8
Wisconsin.....	72,890	54.4	69,191	51.2	78,008	53.4	95,077	63.6	113,529	72.9
Wyoming.....	52,935	97.6	59,219	97.8	47,467	97.2	48,798	97.1	45,763	97.5
Total.....	5,644,894	70.7	6,112,919	74.8	6,517,352	76.0	7,151,885	80.6	7,273,764	82.3

^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. 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, 1993-1997
(Million Cubic Feet)

State	1993		1994		1995		1996		1997	
	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.....	2,753	61.0	3,271	89.6	7,441	94.7	5,101	93.0	11,194	95.6
Alaska.....	7,693	28.9	8,368	29.6	8,990	30.3	9,116	29.6	10,972	32.5
Arizona.....	29,866	99.9	33,188	99.9	25,867	99.9	26,662	99.9	31,829	99.4
Arkansas.....	16,528	93.6	18,625	95.9	23,132	96.2	26,442	94.8	20,213	95.9
California.....	342,457	74.1	556,557	93.3	367,940	90.3	263,937	85.8	315,728	86.6
Colorado.....	3,165	66.4	2,685	63.6	554	27.8	3,484	72.8	428	8.7
Connecticut.....	140	36.5	6,941	88.4	16,058	88.1	8,427	83.6	12,677	98.6
Delaware.....	58	0.7	16,120	92.3	21,423	79.5	19,088	86.8	13,697	89.6
Florida.....	177,954	97.9	182,379	98.9	308,563	99.5	269,460	99.6	297,298	99.6
Illinois.....	14,227	91.4	32,064	95.4	35,703	88.1	24,894	86.7	44,010	88.8
Indiana.....	4,204	85.0	7,370	78.3	11,986	89.4	6,373	81.3	7,438	89.7
Iowa.....	1,901	50.6	1,721	69.6	2,157	68.9	2,261	79.3	5,966	90.5
Kansas.....	8,091	57.8	14,617	71.5	16,872	75.9	12,545	92.6	16,887	98.9
Louisiana.....	182,535	82.8	174,324	83.8	239,903	78.0	202,033	89.9	186,028	92.0
Maryland.....	3,034	43.3	4,186	32.5	6,489	39.1	9,518	97.9	10,873	99.7
Massachusetts.....	9,725	43.0	29,992	72.5	50,087	75.5	39,460	86.2	44,658	83.2
Michigan.....	16,324	97.6	17,820	97.8	28,369	97.9	26,067	98.5	25,961	97.8
Minnesota.....	1,071	46.4	906	22.7	734	15.9	0	—	0	—
Mississippi.....	26,270	63.4	31,927	94.9	40,663	98.7	57,417	98.8	58,577	99.3
Missouri.....	2,607	51.1	1,246	39.5	5,794	57.6	1,848	65.3	5,132	83.4
Montana.....	155	57.4	139	21.0	250	67.8	301	68.1	304	80.0
Nebraska.....	484	37.7	34	5.5	63	4.7	503	29.6	630	37.8
Nevada.....	21,066	99.9	32,377	100.0	38,533	100.0	47,039	100.0	51,161	100.0
New Jersey.....	3,919	10.0	1,637	4.6	3,725	9.6	12,559	48.5	5,436	24.2
New Mexico.....	20,122	95.9	24,868	93.6	25,751	92.4	13,618	81.6	13,635	86.9
New York.....	15,455	9.2	14,082	8.3	24,175	10.3	4,804	3.4	16,513	8.2
North Carolina.....	1,692	61.7	432	50.8	967	32.0	578	24.4	1,012	22.3
Ohio.....	2,060	75.7	1,626	60.5	4,647	87.3	2,303	85.7	3,414	88.7
Oklahoma.....	145,216	89.7	139,435	88.2	138,365	89.4	125,825	87.7	112,592	85.4
Oregon.....	16,041	100.0	26,310	100.0	19,136	100.0	13,127	100.0	10,446	100.0
Pennsylvania.....	3,264	36.3	8,948	63.2	24,181	94.5	5,056	87.0	5,493	91.0
Rhode Island.....	0	—	0	—	0	—	25,046	100.0	27,298	100.0
South Dakota.....	142	91.9	64	100.0	0	100.0	0	—	0	—
Tennessee.....	1,015	62.5	498	51.3	1,414	66.5	425	61.8	1,906	100.0
Texas.....	544,255	62.7	659,710	66.5	577,894	65.4	578,654	64.4	538,488	62.5
Utah.....	5,004	99.9	7,922	99.6	7,515	99.5	4,006	98.6	3,435	99.0
Virginia.....	25,823	99.9	26,706	99.7	20,462	100.0	14,366	99.8	10,787	99.9
Washington.....	1,195	100.0	2,328	100.0	2,084	100.0	6,589	100.0	2,518	100.0
West Virginia.....	279	100.0	244	100.0	208	100.0	157	100.0	184	100.0
Wisconsin.....	648	18.1	457	8.6	2,188	22.0	2,404	33.1	7,576	46.9
Total.....	1,658,438	67.8	2,092,124	75.0	2,110,284	72.6	1,871,496	75.0	1,932,394	73.7

^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, 1997
(Million Cubic Feet)

State	Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities	Total
Alabama	48,496	23,122	123,218	2	3,850	198,689
Alaska	15,146	26,908	71,991	0	33,754	147,799
Arizona	31,057	30,022	27,392	152	31,972	120,596
Arkansas	42,428	25,142	128,566	1	15,926	212,062
California	478,904	212,897	436,602	2,121	11,167	1,141,690
Colorado	115,583	65,817	29,472	8	4,374	215,254
Connecticut	40,294	26,213	16,137	28	10,135	92,807
D.C.	15,807	6,487	0	0	0	22,293
Delaware	8,972	6,608	13,605	2	14,877	44,064
Florida	13,117	35,589	41,987	64	254,562	345,320
Georgia	114,383	45,039	34,768	7	6,800	200,997
Hawaii	517	1,751	68	0	0	2,336
Idaho	15,239	11,372	23,340	36	0	49,987
Illinois	497,230	202,509	303,236	21	49,475	1,052,471
Indiana	169,140	72,792	70,885	60	2,051	314,928
Iowa	81,696	45,818	82,638	2	6,483	216,638
Kansas	69,415	31,283	49,647	1	10,001	160,347
Kentucky	66,033	35,015	55,068	5	797	156,918
Louisiana	52,709	18,576	576,270	16	124,653	772,225
Maine	1,009	2,713	1,835	0	0	5,557
Maryland	77,500	31,319	19,245	33	2,657	130,753
Massachusetts	112,308	74,822	77,970	1	43,215	308,316
Michigan	379,838	192,218	337,318	42	26,493	935,909
Minnesota	128,806	64,568	46,258	8	2,145	241,786
Mississippi	27,626	20,225	47,432	0	15,449	110,732
Missouri	127,625	67,793	62,257	40	5,161	262,876
Montana	21,002	13,555	8,998	15	76	43,646
Nebraska	47,105	28,808	15,388	0	103	91,403
Nevada	25,243	21,527	28,925	60	48,980	124,735
New Hampshire	6,939	7,489	3,568	0	0	17,996
New Jersey	216,925	127,356	80,006	1	15,065	439,353
New Mexico	36,623	27,193	37,400	158	14,383	115,758
New York	372,264	229,873	255,078	584	32,682	890,481
North Carolina	52,894	35,875	27,318	0	43	116,131
North Dakota	11,370	8,627	11,752	5	1	31,755
Ohio	354,543	179,869	292,384	264	2,024	829,084
Oklahoma	71,762	43,257	110,639	110	114,713	340,480
Oregon	32,522	25,087	48,360	35	10,446	116,451
Pennsylvania	262,494	129,248	176,010	34	1,333	569,119
Rhode Island	18,162	12,272	23,613	3	27,298	81,347
South Carolina	25,741	15,421	18,483	1	0	59,646
South Dakota	13,203	9,663	2,885	5	0	25,756
Tennessee	64,130	48,995	63,370	13	0	176,508
Texas	234,988	204,671	1,177,378	14	478,433	2,095,482
Utah	58,108	24,442	16,272	127	2,190	101,139
Vermont	2,631	3,051	159	0	0	5,841
Virginia	73,905	44,941	54,843	21	8,161	181,872
Washington	61,813	35,768	87,356	16	2,518	187,471
West Virginia	35,996	7,032	21,849	5	184	65,066
Wisconsin	135,819	84,179	50,470	35	11,232	281,735
Wyoming	12,999	10,033	16,460	12	25	39,530
Total	4,980,060	2,754,852	5,306,167	4,168	1,445,885	14,491,132

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, 1997
(Million Cubic Feet)

State	Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities	Total
Alabama.....	0	9,237	78,021	0	7,866	95,124
Alaska.....	0	0	1,609	0	0	1,609
Arizona.....	0	110	471	0	47	628
Arkansas.....	0	4,299	19,403	1	5,151	28,854
California.....	0	41,026	300,752	0	353,479	695,257
Colorado.....	0	3,257	44,309	5	558	48,129
Connecticut.....	268	16,411	18,418	28	2,723	37,847
D.C.....	0	11,525	0	6	0	11,531
Delaware.....	0	0	1,200	0	408	1,609
Florida.....	0	1,111	88,829	0	43,810	133,750
Georgia.....	0	12,181	139,980	0	0	152,161
Hawaii.....	0	0	274	0	0	274
Idaho.....	0	61	11,659	0	0	11,720
Illinois.....	0	341	14,518	0	101	14,960
Indiana.....	0	8,961	219,838	0	6,243	235,042
Iowa.....	0	4,373	24,824	0	111	29,309
Kansas.....	0	9,953	62,441	1	7,074	79,470
Kentucky.....	0	3,612	40,656	0	3	44,270
Louisiana.....	0	7,037	428,113	0	77,548	512,699
Maine.....	0	0	690	0	0	690
Maryland.....	0	18,482	46,709	24	8,254	73,469
Massachusetts.....	0	30,991	30,325	4	10,476	71,797
Michigan.....	0	40	1,139	0	45	1,223
Minnesota.....	66	27,664	61,080	23	1,972	90,805
Mississippi.....	0	1,845	36,535	3	43,555	81,938
Missouri.....	0	2,036	8,908	0	990	11,934
Montana.....	0	356	9,768	1	304	10,428
Nebraska.....	0	5,045	29,030	0	1,562	35,637
Nevada.....	0	431	0	5	2,181	2,618
New Hampshire.....	0	0	2,263	0	0	2,263
New Jersey.....	0	41,404	122,412	0	7,442	171,258
New Mexico.....	0	4,150	3,454	0	1,308	8,912
New York.....	3,378	90,989	50,443	0	169,272	314,082
North Carolina.....	0	2,146	84,195	0	4,492	90,833
North Dakota.....	0	2,243	8,828	0	0	11,071
Ohio.....	0	3,969	43,609	0	1,826	49,404
Oklahoma.....	0	1,829	96,039	0	17,164	115,032
Oregon.....	0	378	42,042	0	0	42,420
Pennsylvania.....	0	14,836	62,210	16	4,701	81,764
Rhode Island.....	0	31	859	0	0	890
South Carolina.....	0	4,139	84,446	0	2,709	91,294
South Dakota.....	0	759	4,043	0	0	4,802
Tennessee.....	0	6,122	75,507	0	1,906	83,535
Texas.....	0	11,662	881,377	1	383,483	1,276,523
Utah.....	0	6,687	27,890	1	1,279	35,857
Vermont.....	0	0	2,176	0	35	2,211
Virginia.....	0	16,954	30,421	16	2,642	50,033
Washington.....	0	10,918	23,803	100	0	34,821
West Virginia.....	0	18,881	35,530	1	0	54,412
Wisconsin.....	0	4,549	105,207	20	4,909	114,686
Wyoming.....	0	721	30,476	1	0	31,197
Total.....	3,712	463,753	3,536,729	257	1,177,631	5,182,082

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, 1997
(Million Cubic Feet)

State	Firm			Interruptible			Total Volume
	Sales Volume	Transported Volume	Total Volume	Sales Volume	Transported Volume	Total Volume	
Alabama.....	20,350	2,773	23,122	578	8,659	9,237	32,360
Alaska.....	14,668	12,241	26,908	0	0	0	26,908
Arizona.....	25,360	4,662	30,022	110	0	110	30,132
Arkansas.....	23,448	1,694	25,142	4,294	5	4,299	29,441
California.....	124,735	88,162	212,897	3,352	37,674	41,026	253,923
Colorado.....	63,018	2,799	65,817	1,058	2,200	3,257	69,074
Connecticut.....	22,959	3,254	26,213	11,956	4,455	16,411	42,624
D.C.....	6,487	0	6,487	3,404	8,122	11,525	18,012
Delaware.....	6,608	0	6,608	0	0	0	6,608
Florida.....	35,146	443	35,589	622	488	1,111	36,700
Georgia.....	45,039	0	45,039	5,970	6,211	12,181	57,220
Hawaii.....	1,751	0	1,751	0	0	0	1,751
Idaho.....	9,839	1,533	11,372	0	61	61	11,433
Illinois.....	110,046	92,463	202,509	74	267	341	202,850
Indiana.....	70,123	2,669	72,792	3,340	5,621	8,961	81,753
Iowa.....	41,724	4,094	45,818	2,533	1,840	4,373	50,191
Kansas.....	28,150	3,133	31,283	1,001	8,952	9,953	41,236
Kentucky.....	33,325	1,691	35,015	1,442	2,170	3,612	38,627
Louisiana.....	18,447	129	18,576	6,118	919	7,037	25,613
Maine.....	2,713	0	2,713	0	0	0	2,713
Maryland.....	28,394	2,925	31,319	5,014	13,469	18,482	49,802
Massachusetts.....	61,058	13,764	74,822	5,217	25,775	30,991	105,813
Michigan.....	122,479	69,739	192,218	40	0	40	192,258
Minnesota.....	64,174	394	64,568	26,981	683	27,664	92,232
Mississippi.....	19,187	1,037	20,225	1,734	111	1,845	22,070
Missouri.....	54,250	13,543	67,793	1,521	516	2,036	69,829
Montana.....	12,673	882	13,555	57	299	356	13,911
Nebraska.....	20,373	8,435	28,808	4,742	302	5,045	33,853
Nevada.....	15,653	5,874	21,527	0	431	431	21,958
New Hampshire.....	6,922	567	7,489	0	0	0	7,489
New Jersey.....	65,214	62,143	127,356	29,644	11,759	41,404	168,760
New Mexico.....	19,246	7,947	27,193	4,138	12	4,150	31,343
New York.....	168,516	61,357	229,873	38,939	52,050	90,989	320,862
North Carolina.....	35,408	468	35,875	473	1,673	2,146	38,021
North Dakota.....	8,627	0	8,627	1,037	1,207	2,243	10,870
Ohio.....	120,378	59,491	179,869	109	3,861	3,969	183,838
Oklahoma.....	35,844	7,413	43,257	1,038	791	1,829	45,086
Oregon.....	25,087	0	25,087	0	378	378	25,465
Pennsylvania.....	85,000	44,248	129,248	6,620	8,217	14,836	144,084
Rhode Island.....	9,867	2,405	12,272	31	0	31	12,303
South Carolina.....	15,186	235	15,421	4,139	0	4,139	19,560
South Dakota.....	8,178	1,485	9,663	502	257	759	10,422
Tennessee.....	46,931	2,064	48,995	3,875	2,247	6,122	55,117
Texas.....	127,631	77,040	204,671	5,208	6,454	11,662	216,333
Utah.....	23,980	462	24,442	1,927	4,760	6,687	31,129
Vermont.....	3,051	0	3,051	0	0	0	3,051
Virginia.....	40,852	4,090	44,941	7,339	9,615	16,954	61,895
Washington.....	34,834	934	35,768	4,412	6,506	10,918	46,686
West Virginia.....	6,032	999	7,032	8,101	10,780	18,881	25,913
Wisconsin.....	69,249	14,930	84,179	3,573	977	4,549	88,729
Wyoming.....	8,404	1,629	10,033	646	75	721	10,754
Total.....	2,066,613	688,239	2,754,852	212,907	250,847	463,753	3,218,606

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, 1997
(Million Cubic Feet)

State	Firm			Interruptible			Total Volume
	Sales Volume	Transported Volume	Total Volume	Sales Volume	Transported Volume	Total Volume	
Alabama.....	25,899	97,319	123,218	23,613	54,408	78,021	201,240
Alaska.....	71,991	0	71,991	0	1,609	1,609	73,599
Arizona.....	6,603	20,790	27,392	388	83	471	27,864
Arkansas.....	8,736	119,830	128,566	6,823	12,580	19,403	147,969
California.....	55,348	381,254	436,602	10,610	290,143	300,752	737,354
Colorado.....	2,732	26,740	29,472	14,711	29,598	44,309	73,781
Connecticut.....	11,128	5,009	16,137	11,830	6,588	18,418	34,554
Delaware.....	3,383	10,223	13,605	1,200	0	1,200	14,805
Florida.....	5,537	36,450	41,987	7,549	81,281	88,829	130,816
Georgia.....	13,878	20,890	34,768	32,758	107,221	139,980	174,747
Hawaii.....	68	0	68	274	0	274	342
Idaho.....	659	22,681	23,340	29	11,631	11,659	34,999
Illinois.....	33,312	269,924	303,236	3,283	11,235	14,518	317,755
Indiana.....	31,768	39,117	70,885	14,709	205,129	219,838	290,723
Iowa.....	5,457	77,181	82,638	3,810	21,014	24,824	107,463
Kansas.....	8,544	41,104	49,647	2,141	60,301	62,441	112,089
Kentucky.....	14,393	40,675	55,068	4,028	36,628	40,656	95,724
Louisiana.....	41,880	534,389	576,270	59,205	368,909	428,113	1,004,383
Maine.....	1,617	218	1,835	690	0	690	2,525
Maryland.....	520	18,724	19,245	4,367	42,343	46,709	65,954
Massachusetts.....	15,599	62,371	77,970	6,319	24,006	30,325	108,295
Michigan.....	29,514	307,804	337,318	931	208	1,139	338,456
Minnesota.....	5,199	41,059	46,258	38,145	22,935	61,080	107,338
Mississippi.....	15,947	31,486	47,432	17,328	19,207	36,535	83,967
Missouri.....	10,941	51,316	62,257	4,585	4,322	8,908	71,164
Montana.....	573	8,426	8,998	0	9,768	9,768	18,766
Nebraska.....	8,158	7,229	15,388	3,854	25,176	29,030	44,418
Nevada.....	526	28,399	28,925	0	0	0	28,925
New Hampshire.....	1,330	2,238	3,568	1,514	748	2,263	5,830
New Jersey.....	8,743	71,263	80,006	86,491	35,921	122,412	202,418
New Mexico.....	12,191	25,209	37,400	0	3,454	3,454	40,854
New York.....	18,546	236,532	255,078	7,566	42,877	50,443	305,521
North Carolina.....	15,621	11,696	27,318	35,162	49,033	84,195	111,513
North Dakota.....	232	11,520	11,752	3,565	5,263	8,828	20,580
Ohio.....	18,989	273,395	292,384	190	43,418	43,609	335,993
Oklahoma.....	5,293	105,346	110,639	4,327	91,712	96,039	206,677
Oregon.....	9,933	38,427	48,360	4,803	37,240	42,042	90,403
Pennsylvania.....	26,800	149,209	176,010	7,088	55,122	62,210	238,220
Rhode Island.....	3,410	20,203	23,613	859	0	859	24,472
South Carolina.....	13,793	4,690	18,483	75,611	8,835	84,446	102,929
South Dakota.....	992	1,894	2,885	679	3,364	4,043	6,928
Tennessee.....	23,635	39,735	63,370	29,560	45,948	75,507	138,877
Texas.....	344,950	832,428	1,177,378	10,402	870,975	881,377	2,058,755
Utah.....	1,473	14,799	16,272	2,455	25,436	27,890	44,162
Vermont.....	159	0	159	2,176	0	2,176	2,334
Virginia.....	4,786	50,057	54,843	6,297	24,125	30,421	85,264
Washington.....	23,634	63,722	87,356	2,446	21,357	23,803	111,159
West Virginia.....	6,788	15,061	21,849	238	35,292	35,530	57,380
Wisconsin.....	22,856	27,614	50,470	19,291	85,916	105,207	155,677
Wyoming.....	630	15,831	16,460	543	29,932	30,476	46,936
Total.....	994,692	4,311,475	5,306,167	574,441	2,962,289	3,536,729	8,842,896

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, 1997
(Million Cubic Feet)

State	Firm			Interruptible			Total Volume
	Sales Volume	Transported Volume	Total Volume	Sales Volume	Transported Volume	Total Volume	
Alabama.....	0	3,850	3,850	521	7,345	7,866	11,716
Alaska.....	22,782	10,972	33,754	0	0	0	33,754
Arizona.....	190	31,782	31,972	0	47	47	32,019
Arkansas.....	864	15,062	15,926	0	5,151	5,151	21,077
California.....	65	11,102	11,167	48,853	304,626	353,479	364,645
Colorado.....	4,374	0	4,374	130	428	558	4,932
Connecticut.....	0	10,135	10,135	181	2,542	2,723	12,859
Delaware.....	1,179	13,697	14,877	408	0	408	15,285
Florida.....	663	253,898	254,562	410	43,400	43,810	298,371
Georgia.....	6,800	0	6,800	0	0	0	6,800
Illinois.....	5,563	43,912	49,475	3	98	101	49,576
Indiana.....	857	1,195	2,051	0	6,243	6,243	8,294
Iowa.....	576	5,906	6,483	51	60	111	6,594
Kansas.....	188	9,813	10,001	0	7,074	7,074	17,075
Kentucky.....	797	0	797	3	0	3	799
Louisiana.....	8,619	116,035	124,653	7,555	69,993	77,548	202,201
Maryland.....	0	2,657	2,657	37	8,216	8,254	10,910
Massachusetts.....	1,309	41,906	43,215	7,724	2,752	10,476	53,691
Michigan.....	532	25,961	26,493	45	0	45	26,538
Minnesota.....	2,145	0	2,145	1,972	0	1,972	4,117
Mississippi.....	427	15,022	15,449	0	43,555	43,555	59,004
Missouri.....	29	5,132	5,161	990	0	990	6,152
Montana.....	76	0	76	0	304	304	380
Nebraska.....	103	0	103	933	630	1,562	1,665
Nevada.....	0	48,980	48,980	0	2,181	2,181	51,161
New Jersey.....	14,297	768	15,065	2,773	4,669	7,442	22,506
New Mexico.....	2,056	12,327	14,383	0	1,308	1,308	15,692
New York.....	16,168	16,513	32,682	169,272	0	169,272	201,954
North Carolina.....	43	0	43	3,481	1,012	4,492	4,535
North Dakota.....	1	0	1	0	0	0	1
Ohio.....	391	1,633	2,024	45	1,781	1,826	3,850
Oklahoma.....	2,130	112,583	114,713	17,156	9	17,164	131,877
Oregon.....	0	10,446	10,446	0	0	0	10,446
Pennsylvania.....	433	900	1,333	108	4,592	4,701	6,034
Rhode Island.....	0	27,298	27,298	0	0	0	27,298
South Carolina.....	0	0	0	2,709	0	2,709	2,709
Tennessee.....	0	0	0	0	1,906	1,906	1,906
Texas.....	316,465	161,968	478,433	6,962	376,521	383,483	861,916
Utah.....	0	2,190	2,190	34	1,245	1,279	3,469
Vermont.....	0	0	0	35	0	35	35
Virginia.....	0	8,161	8,161	16	2,626	2,642	10,803
Washington.....	0	2,518	2,518	0	0	0	2,518
West Virginia.....	0	184	184	0	0	0	184
Wisconsin.....	3,655	7,576	11,232	4,909	0	4,909	16,141
Wyoming.....	25	0	25	0	0	0	25
Total.....	413,803	1,032,082	1,445,885	277,319	900,312	1,177,631	2,623,516

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

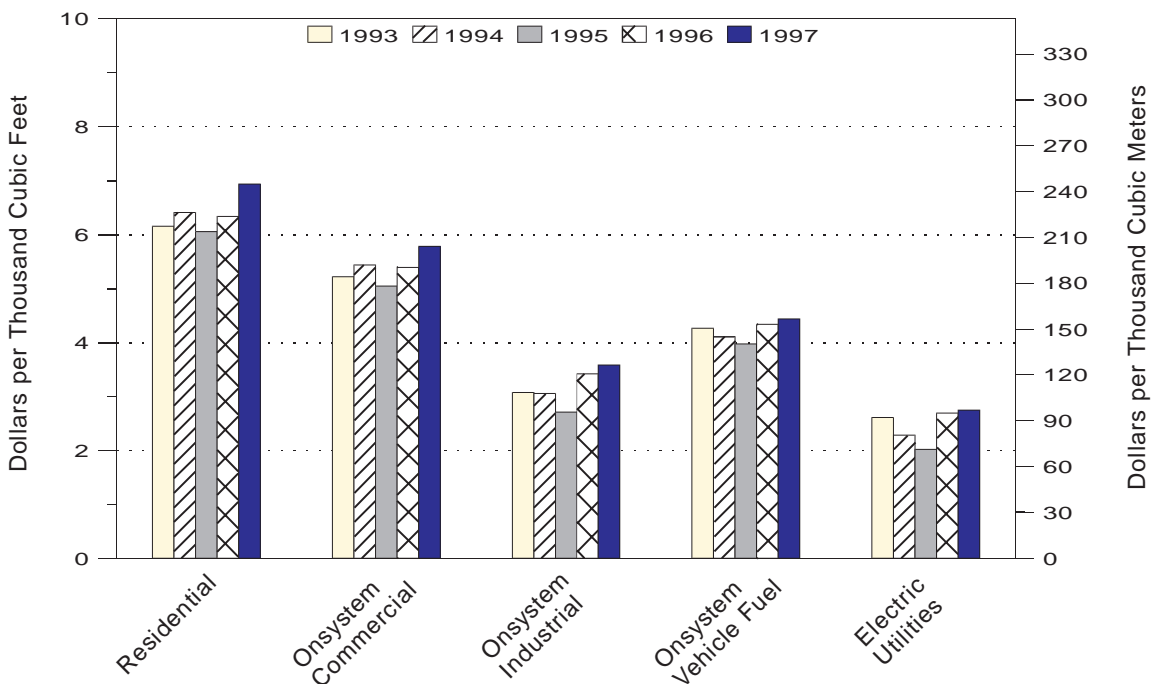
During 1997, the price of natural gas rose at the city gate and in all consuming sectors. Following the trend in prices at the wellhead, prices for sales to the industrial and electric utility sectors increased substantially from 1995 to 1996, but much more modestly from 1996 to 1997. Among the onsystem sales customers, industrials and electric utilities are large volume customers with relatively high load factors which enable them to take advantage of economies of scale in purchases. They also are in a better position to elect whether to stay with their local distribution company (LDC) or seek supplies from alternate sources. These factors result in prices that are highly responsive to fluctuations in wellhead prices.

By contrast, the increase in price paid for deliveries to the residential sector from 1996 to 1997 was larger than the increase from 1995 to 1996. In the commercial sector, the

percentage increase in price was about the same in each time period. These consumers pay higher prices for gas than industrial and electric utility consumers because they have fewer options for service and require high quality service during periods of peak demand. Also they may be paying an increasing share of the fixed costs of long distance transportation and local distribution as more customers choose to purchase gas from third parties in place of LDC's.

The natural gas bills received by residential users often reflect a long-term average of their costs, in order to cushion the impact of sharp increases in wellhead prices. The relatively smaller increase in the average residential price for the year 1996 (28 cents) compared with 1997(60 cents) may reflect the shifting of the impact of rising wellhead prices from 1996 to 1997 as a result of this common billing practice.

Figure 13. Average Price of Natural Gas Delivered to Consumers in the United States, 1993-1997



Note: Onsystem sales deliveries represent 77.4 percent of commercial deliveries, 19.9 percent of industrial deliveries, and 93.9 percent of vehicle fuel deliveries in 1997.
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."

A discussion of prices by each sector follows.

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 as well as other charges associated with the LDC's obtaining the gas for sale to consumers. Prices paid at the city gate by local distribution companies rose substantially in 1997, reaching \$3.66 per thousand cubic feet, 12 percent above the 1996 level and 32 percent more than the low price seen in 1995.

Residential

Residential consumers pay the highest price for natural gas. In 1997, the residential price increased to a record \$6.94 per thousand cubic feet, 8 percent above the previous record of \$6.41 per thousand cubic feet in 1994. However, the 1997 price was still 25 percent below the 1983 peak price in constant dollars. Constant dollars provide a way to express prices with an adjustment for inflation. In recent years, only modest changes in constant dollars have been seen for residential prices (Figure 14). These consumers remain captive to LDC service in all but a few States. The LDC's are obligated to supply gas to residences at all times, including during heating seasons when demand is high, resulting in a very high quality service.

Commercial

The second-highest prices for gas were seen in the commercial sector. As in the residential sector, commercial customers paid a record price in 1997, \$5.79 per thousand cubic feet. This price was 7 percent above the level a year ago, and 4 percent higher than the previous record of \$5.59 set in 1983. The percentage of deliveries for the account of others to the commercial sector has grown substantially since 1993 from 16 percent of commercial volume deliveries to 29 percent in 1997. In 13 States and the District of Columbia, prices in this sector were associated with less than 70 percent of deliveries in 1997.

Industrial

Deliveries for the account of others in the industrial sector represented 82 percent of all deliveries to that sector during 1997 and resulted in industrial prices associated with only 18 percent of the volumes delivered. Prices for gas purchased by the industrial customers who continue to buy from LDC suppliers rose from \$3.42 per thousand cubic feet in 1996 to \$3.59 in 1997, a 5 percent increase. This rise was influenced by the increase in wellhead price which occurred during the same period.

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. The price for deliveries for vehicle fuel use was \$4.44 per thousand cubic feet in 1997 and was associated with a very small volume of deliveries.

Electric Utilities

Electric utility prices reflect consumption by all large electric utilities and do not include gas consumed by nonutility power producers. Between 1996 and 1997 the price paid by electric utilities for natural gas rose 2 percent, a smaller increase than that shown in the residential, commercial, and industrial sectors. It climbed from \$2.69 per thousand cubic feet to \$2.74.

Coverage

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: 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.

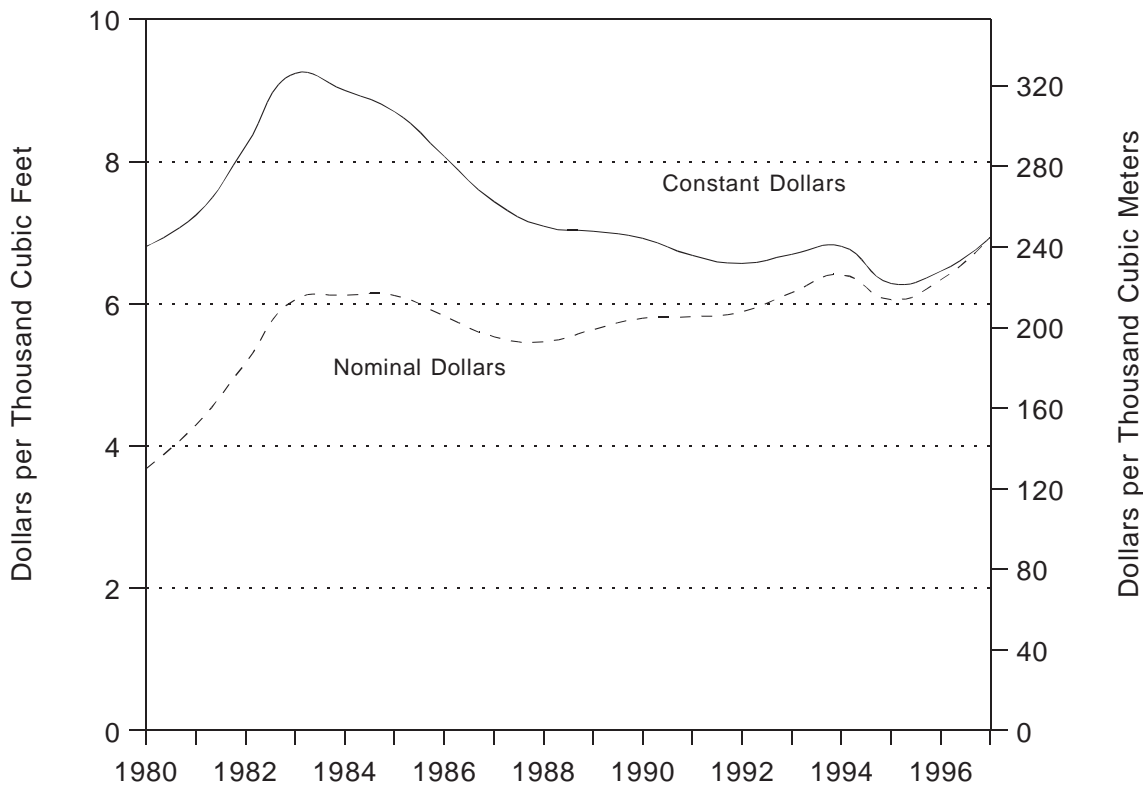
Commercial and Industrial: Prices for the commercial and industrial sectors are often associated with relatively small volumes of the total gas delivered. This occurs because they are reported by those that deliver gas and not by either the gas resellers or by the consumers. Beginning with the reporting 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.

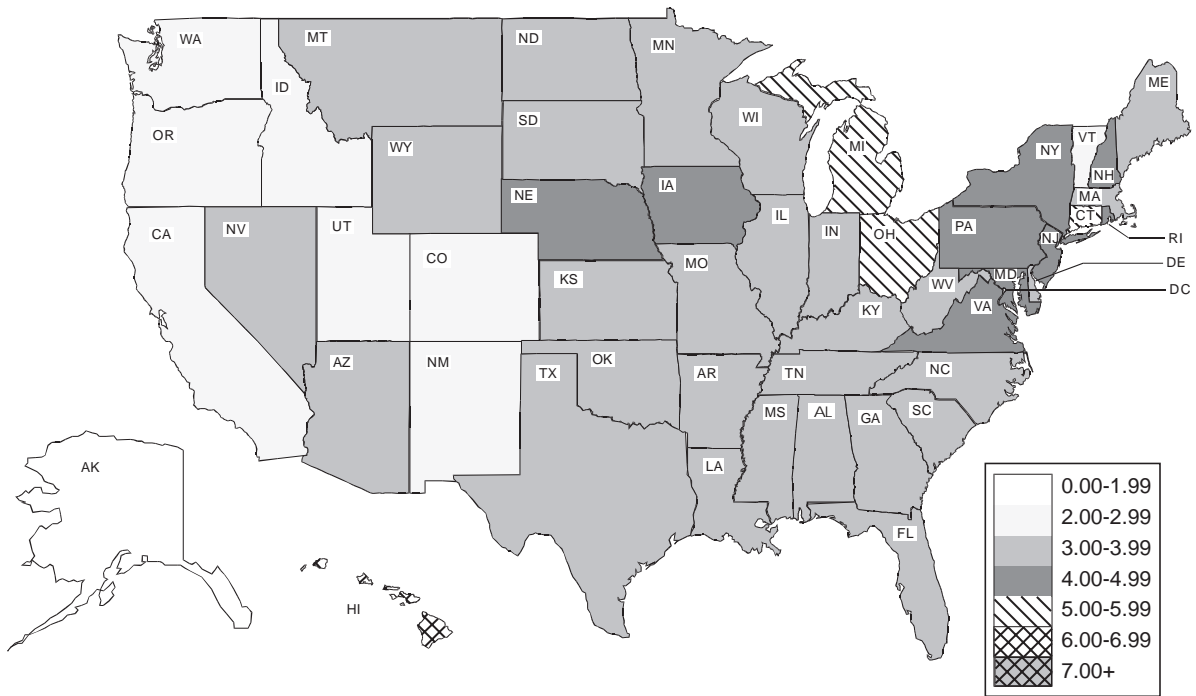
Electric Utilities: Prices for natural gas are also reported to the EIA on the Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," a consumer survey form. Electric utility prices in this report are taken from this form. The respondents are all large regulated electric utilities 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.

Figure 14. Average Price of Natural Gas Delivered to Residential Consumers, 1980-1997



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 1995 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, 1997
(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, 1993-1997
(Dollars per Thousand Cubic Feet)

State	Average Price				
	1993	1994	1995	1996	1997
Alabama	3.51	3.44	2.89	3.48	3.65
Alaska	0.33	1.62	1.67	1.58	1.81
Arizona	2.62	2.53	2.10	2.78	3.15
Arkansas	2.66	2.54	2.32	2.76	3.23
California	2.85	2.57	2.03	2.59	2.98
Colorado	2.95	3.31	2.65	2.70	2.92
Connecticut	3.87	4.17	4.70	5.11	5.11
Delaware	3.24	2.95	2.70	3.68	3.53
Florida	2.76	2.78	2.74	3.73	3.97
Georgia	3.77	3.54	2.96	3.77	3.98
Hawaii	5.61	4.94	5.20	6.05	6.42
Idaho	2.26	2.46	2.18	2.24	2.12
Illinois	3.30	3.02	2.59	3.27	3.28
Indiana	3.18	2.98	2.84	3.09	3.03
Iowa	3.24	3.15	2.82	3.47	4.06
Kansas	2.80	2.86	2.36	3.05	3.47
Kentucky	3.21	3.13	2.80	3.41	3.83
Louisiana	2.72	2.54	2.21	3.13	3.04
Maine	3.69	2.98	3.35	4.30	3.84
Maryland	3.53	3.38	2.87	4.02	4.02
Massachusetts	3.98	3.98	3.53	3.98	3.85
Michigan	2.89	2.70	2.61	2.90	2.99
Minnesota	3.11	2.85	2.52	3.07	3.67
Mississippi	2.90	2.83	2.53	3.27	3.39
Missouri	3.20	3.05	2.73	3.25	3.75
Montana	3.29	3.49	3.01	3.03	3.16
Nebraska	3.46	2.98	2.49	3.07	4.24
Nevada	3.03	3.18	2.73	3.10	3.39
New Hampshire	3.76	3.49	3.39	4.20	4.10
New Jersey	3.54	3.33	3.34	3.84	4.19
New Mexico	2.39	2.02	1.46	1.99	2.53
New York	3.32	3.02	2.47	3.36	4.20
North Carolina	3.15	3.27	2.95	3.74	3.97
North Dakota	3.29	3.15	2.58	2.94	3.38
Ohio	3.52	3.48	3.84	4.37	5.18
Oklahoma	2.45	2.46	2.52	2.56	3.12
Oregon	2.48	2.73	2.42	2.42	2.58
Pennsylvania	3.41	3.46	3.09	2.68	4.09
Rhode Island	4.41	4.17	3.57	4.41	4.49
South Carolina	3.54	3.67	3.25	3.90	3.81
South Dakota	3.35	3.35	2.88	3.19	3.65
Tennessee	2.93	2.71	2.71	4.04	3.60
Texas	3.32	3.00	2.95	3.22	3.66
Utah	2.63	3.31	2.88	2.25	2.79
Vermont	2.96	3.11	2.61	2.74	2.33
Virginia	3.33	3.44	2.92	3.89	4.14
Washington	2.39	2.54	2.18	2.44	2.62
West Virginia	3.39	3.26	2.85	3.36	3.17
Wisconsin	3.70	3.42	2.83	3.43	3.67
Wyoming	2.80	2.91	2.72	2.36	3.11
Total	3.21	3.07	2.78	3.27	3.66

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, 1993-1997
(Dollars per Thousand Cubic Feet)

State	1993	1994	1995	1996	1997
Alabama	7.10	7.41	6.86	7.22	8.35
Alaska	3.96	3.60	3.63	3.42	3.77
Arizona	7.20	7.54	7.82	7.52	7.83
Arkansas	5.38	5.71	5.48	5.92	6.67
California	6.23	6.39	6.42	6.44	6.81
Colorado.....	4.52	4.92	4.80	4.39	4.81
Connecticut	9.43	10.14	10.00	10.08	10.33
D.C.	8.34	8.29	8.03	9.19	9.39
Delaware	6.70	7.43	6.60	7.12	8.36
Florida	10.02	9.98	9.85	10.74	11.90
Georgia	6.80	7.32	6.18	6.69	7.41
Hawaii	17.51	16.83	17.55	19.81	21.74
Idaho	5.38	5.29	5.59	5.20	5.12
Illinois	5.52	5.50	4.66	5.28	5.95
Indiana	5.76	6.24	5.37	5.54	6.37
Iowa.....	5.48	5.40	5.09	5.49	6.17
Kansas	4.91	5.11	4.91	5.59	6.42
Kentucky	5.25	5.46	5.05	5.54	6.37
Louisiana	6.09	6.24	6.01	6.76	7.16
Maine.....	7.47	7.83	7.32	7.84	8.47
Maryland	7.08	6.95	6.62	7.60	8.36
Massachusetts	8.33	8.94	9.04	8.88	9.43
Michigan	5.04	4.98	4.72	4.96	5.20
Minnesota.....	5.31	5.18	4.80	5.46	5.76
Mississippi.....	5.23	5.46	5.28	5.72	6.35
Missouri.....	5.37	5.43	5.16	5.97	6.61
Montana	4.92	5.23	5.15	4.86	5.05
Nebraska	4.96	5.01	4.83	4.88	5.69
Nevada	5.69	6.66	6.76	6.19	6.27
New Hampshire.....	7.66	7.96	7.16	7.40	8.48
New Jersey	6.99	7.11	7.27	7.16	7.93
New Mexico.....	5.46	5.61	5.04	4.47	5.87
New York.....	8.15	8.75	8.42	8.90	9.73
North Carolina	6.99	7.30	6.93	7.59	8.98
North Dakota	5.23	5.19	4.66	4.54	4.99
Ohio.....	5.71	5.88	5.46	5.90	6.75
Oklahoma	4.94	5.50	5.56	5.64	6.23
Oregon	6.42	6.99	6.74	6.31	6.21
Pennsylvania.....	6.84	7.44	7.16	7.38	8.33
Rhode Island	8.17	9.12	8.02	8.49	9.61
South Carolina	7.14	7.65	7.54	7.41	8.37
South Dakota	5.30	5.27	5.05	5.25	5.75
Tennessee	5.69	6.13	5.77	6.26	6.91
Texas.....	5.91	5.99	5.92	5.89	6.32
Utah.....	5.13	4.96	4.74	4.47	5.13
Vermont.....	6.19	6.94	6.82	6.40	6.41
Virginia	7.51	7.63	7.18	7.94	8.60
Washington	5.23	5.70	5.89	5.65	5.64
West Virginia	6.45	6.66	7.05	7.02	6.81
Wisconsin.....	6.34	6.28	5.82	6.04	6.43
Wyoming	4.77	5.10	4.83	4.26	4.58
Total.....	6.16	6.41	6.06	6.34	6.94

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, 1997
(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.....	6.98	64.7	3.65	24.6	2.42	100.0	2.86
Alaska.....	2.44	54.5	1.54	97.8	—	—	1.74
Arizona.....	5.32	84.5	3.60	25.1	3.49	100.0	2.99
Arkansas.....	5.23	94.2	3.71	10.5	5.21	100.0	2.69
California.....	6.43	50.4	4.18	8.9	4.50	82.3	3.08
Colorado.....	4.06	92.8	3.66	23.6	2.45	100.0	3.16
Connecticut.....	7.23	81.9	4.73	66.4	5.68	100.0	2.47
D.C.....	7.38	54.9	—	—	3.01	100.0	—
Delaware.....	6.70	100.0	4.40	31.0	2.85	100.0	3.15
Florida.....	6.85	97.5	4.41	10.0	5.07	100.0	2.51
Georgia.....	6.43	89.1	4.56	26.7	4.14	100.0	2.72
Hawaii.....	15.77	100.0	10.79	100.0	—	—	—
Idaho.....	4.49	86.1	2.76	2.0	4.19	100.0	—
Illinois.....	5.43	54.3	3.97	11.5	3.01	96.6	2.55
Indiana.....	5.44	89.9	4.33	16.0	5.53	76.0	3.23
Iowa.....	5.18	88.2	4.11	8.6	5.41	100.0	3.41
Kansas.....	5.38	70.7	3.32	9.5	3.70	100.0	2.53
Kentucky.....	5.79	90.0	4.19	19.2	6.68	100.0	3.45
Louisiana.....	6.22	95.9	2.87	10.1	5.57	83.2	2.79
Maine.....	7.70	100.0	5.55	91.4	—	—	—
Maryland.....	6.53	67.1	3.25	7.4	3.58	100.0	2.97
Massachusetts.....	7.34	62.6	5.78	20.2	3.70	100.0	3.11
Michigan.....	5.00	63.7	4.02	9.0	4.01	100.0	0.79
Minnesota.....	4.80	98.8	3.28	40.4	3.50	98.5	2.44
Mississippi.....	5.26	94.8	3.55	39.6	2.76	100.0	2.72
Missouri.....	5.88	79.9	4.78	21.8	3.79	100.0	2.81
Montana.....	4.83	91.5	4.79	3.1	3.83	15.3	NA
Nebraska.....	4.88	74.2	3.85	27.0	—	—	2.86
Nevada.....	5.09	71.3	7.77	1.8	3.61	100.0	2.18
New Hampshire.....	7.63	92.4	4.90	48.8	—	—	2.71
New Jersey.....	5.88	56.2	3.78	47.0	7.06	100.0	3.06
New Mexico.....	4.00	74.6	2.99	29.8	4.67	69.3	2.64
New York.....	6.50	64.7	5.05	8.5	4.14	100.0	2.88
North Carolina.....	7.00	94.4	4.66	45.5	—	—	3.22
North Dakota.....	4.35	88.9	3.05	18.5	3.92	98.5	3.43
Ohio.....	6.23	65.5	4.93	5.7	6.24	100.0	3.72
Oklahoma.....	5.35	81.8	4.18	4.7	2.46	100.0	2.97
Oregon.....	4.63	98.5	3.03	16.3	5.92	100.0	1.49
Pennsylvania.....	7.35	63.6	4.61	14.2	5.00	100.0	3.02
Rhode Island.....	8.21	80.5	4.33	17.4	5.27	100.0	3.35
South Carolina.....	6.74	98.8	3.72	86.9	5.17	100.0	4.07
South Dakota.....	4.71	83.3	4.02	24.1	3.48	100.0	NA
Tennessee.....	6.11	92.2	4.18	38.3	5.59	100.0	NA
Texas.....	4.91	61.4	2.82	17.3	3.17	100.0	2.69
Utah.....	3.91	83.2	2.55	8.9	5.37	100.0	2.09
Vermont.....	5.18	100.0	3.07	100.0	—	—	3.16
Virginia.....	6.45	77.9	4.68	13.0	5.05	100.0	2.93
Washington.....	4.73	84.1	3.16	23.5	3.81	100.0	NA
West Virginia.....	6.34	54.5	2.91	12.2	2.69	100.0	3.35
Wisconsin.....	5.35	82.1	4.13	27.1	2.38	100.0	3.17
Wyoming.....	3.93	84.1	3.49	2.5	5.56	100.0	NA
Total.....	5.79	70.8	3.59	17.7	4.44	89.7	2.74

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."

Table 26. Prices of Natural Gas Deliveries to Commercial Consumers by State, 1997
(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	7.03	88.0	5.08	6.3	6.98	64.7
Alaska	2.44	54.5	—	—	2.44	54.5
Arizona	5.32	84.5	4.77	100.0	5.32	84.5
Arkansas	5.28	93.3	4.94	99.9	5.23	94.2
California	6.49	58.6	4.40	8.2	6.43	50.4
Colorado	4.07	95.7	3.79	32.5	4.06	92.8
Connecticut	8.71	87.6	4.39	72.9	7.23	81.9
D.C.	9.20	100.0	3.89	29.5	7.38	54.9
Delaware	6.70	100.0	—	—	6.70	100.0
Florida	6.90	98.8	4.15	56.0	6.85	97.5
Georgia	6.71	100.0	4.37	49.0	6.43	89.1
Hawaii	15.77	100.0	—	—	15.77	100.0
Idaho	4.49	86.5	—	—	4.49	86.1
Illinois	5.43	54.3	4.47	21.7	5.43	54.3
Indiana	5.44	96.3	5.39	37.3	5.44	89.9
Iowa	5.23	91.1	4.29	57.9	5.18	88.2
Kansas	5.43	90.0	4.11	10.1	5.38	70.7
Kentucky	5.84	95.2	4.67	39.9	5.79	90.0
Louisiana	6.55	99.3	5.23	86.9	6.22	95.9
Maine	7.70	100.0	—	—	7.70	100.0
Maryland	7.01	90.7	3.78	27.1	6.53	67.1
Massachusetts	7.65	81.6	3.77	16.8	7.34	62.6
Michigan	5.00	63.7	4.02	100.0	5.00	63.7
Minnesota	5.41	99.4	3.34	97.5	4.80	98.8
Mississippi	5.40	94.9	3.71	94.0	5.26	94.8
Missouri	5.93	80.0	4.09	74.7	5.88	79.9
Montana	4.83	93.5	4.62	15.9	4.83	91.5
Nebraska	5.25	70.7	3.29	94.0	4.88	74.2
Nevada	5.09	72.7	—	—	5.09	71.3
New Hampshire	7.63	92.4	—	—	7.63	92.4
New Jersey	6.75	51.2	3.97	71.6	5.88	56.2
New Mexico	4.42	70.8	2.07	99.7	4.00	74.6
New York	6.86	73.3	4.94	42.8	6.50	64.7
North Carolina	7.02	98.7	5.23	22.0	7.00	94.4
North Dakota	4.52	100.0	3.01	46.2	4.35	88.9
Ohio	6.23	66.9	4.94	2.7	6.23	65.5
Oklahoma	5.35	82.9	5.14	56.7	5.35	81.8
Oregon	4.63	100.0	—	—	4.63	98.5
Pennsylvania	7.50	65.8	5.48	44.6	7.35	63.6
Rhode Island	8.22	80.4	4.30	100.0	8.21	80.5
South Carolina	7.45	98.5	4.13	100.0	6.74	98.8
South Dakota	4.82	84.6	2.81	66.2	4.71	83.3
Tennessee	6.29	95.8	3.92	63.3	6.11	92.2
Texas	5.01	62.4	2.62	44.7	4.91	61.4
Utah	4.05	98.1	2.22	28.8	3.91	83.2
Vermont	5.18	100.0	—	—	5.18	100.0
Virginia	6.71	90.9	4.98	43.3	6.45	77.9
Washington	4.87	97.4	3.62	40.4	4.73	84.1
West Virginia	6.86	85.8	5.96	42.9	6.34	54.5
Wisconsin	5.43	82.3	3.80	78.5	5.35	82.1
Wyoming	4.05	83.8	2.33	89.6	3.93	84.1
Total	5.95	75.0	4.23	45.9	5.79	70.8

— = 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, 1997
(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.....	3.86	21.0	3.41	30.3	3.65	24.6
Alaska.....	1.54	100.0	—	—	1.54	97.8
Arizona.....	3.53	24.1	4.72	82.3	3.60	25.1
Arkansas.....	3.67	6.8	3.77	35.2	3.71	10.5
California.....	4.26	12.7	3.77	3.5	4.18	8.9
Colorado.....	2.79	9.3	3.82	33.2	3.66	23.6
Connecticut.....	5.45	69.0	4.06	64.2	4.73	66.4
Delaware.....	4.53	24.9	4.03	100.0	4.40	31.0
Florida.....	4.59	13.2	4.28	8.5	4.41	10.0
Georgia.....	5.30	39.9	4.24	23.4	4.56	26.7
Hawaii.....	12.26	100.0	10.42	100.0	10.79	100.0
Idaho.....	2.77	2.8	2.55	0.2	2.76	2.0
Illinois.....	4.03	11.0	3.35	22.6	3.97	11.5
Indiana.....	4.69	44.8	3.53	6.7	4.33	16.0
Iowa.....	4.16	6.6	4.04	15.3	4.11	8.6
Kansas.....	3.23	17.2	3.68	3.4	3.32	9.5
Kentucky.....	4.21	26.1	4.11	9.9	4.19	19.2
Louisiana.....	2.90	7.3	2.85	13.8	2.87	10.1
Maine.....	6.34	88.1	3.70	100.0	5.55	91.4
Maryland.....	6.92	2.7	2.82	9.3	3.25	7.4
Massachusetts.....	6.77	20.0	3.35	20.8	5.78	20.2
Michigan.....	4.02	8.8	4.01	81.7	4.02	9.0
Minnesota.....	5.46	11.2	2.98	62.5	3.28	40.4
Mississippi.....	3.57	33.6	3.54	47.4	3.55	39.6
Missouri.....	5.18	17.6	3.83	51.5	4.78	21.8
Montana.....	4.79	6.4	—	—	4.79	3.1
Nebraska.....	4.24	53.0	3.02	13.3	3.85	27.0
Nevada.....	7.77	1.8	—	—	7.77	1.8
New Hampshire.....	7.37	37.3	2.74	66.9	4.90	48.8
New Jersey.....	5.81	10.9	3.58	70.7	3.78	47.0
New Mexico.....	2.99	32.6	—	—	2.99	29.8
New York.....	5.44	7.3	4.09	15.0	5.05	8.5
North Carolina.....	4.91	57.2	4.55	41.8	4.66	45.5
North Dakota.....	3.30	2.0	3.03	40.4	3.05	18.5
Ohio.....	4.92	6.5	5.51	0.4	4.93	5.7
Oklahoma.....	4.55	4.8	3.72	4.5	4.18	4.7
Oregon.....	3.17	20.5	2.75	11.4	3.03	16.3
Pennsylvania.....	4.61	15.2	4.59	11.4	4.61	14.2
Rhode Island.....	4.60	14.4	3.28	100.0	4.33	17.4
South Carolina.....	4.43	74.6	3.59	89.5	3.72	86.9
South Dakota.....	4.26	34.4	3.67	16.8	4.02	24.1
Tennessee.....	4.74	37.3	3.74	39.1	4.18	38.3
Texas.....	2.77	29.3	4.50	1.2	2.82	17.3
Utah.....	3.23	9.1	2.14	8.8	2.55	8.9
Vermont.....	4.40	100.0	2.97	100.0	3.07	100.0
Virginia.....	5.81	8.7	3.82	20.7	4.68	13.0
Washington.....	3.14	27.1	3.34	10.3	3.16	23.5
West Virginia.....	2.89	31.1	3.42	0.7	2.91	12.2
Wisconsin.....	4.56	45.3	3.63	18.3	4.13	27.1
Wyoming.....	3.67	3.8	3.29	1.8	3.49	2.5
Total.....	3.57	18.7	3.61	16.2	3.59	17.7

— = 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, 1997
(Dollars per Thousand Cubic Feet)

State	Firm		Interruptible	
	Average Price	Percentage of Total Volume Delivered	Average Price	Percentage of Total Volume Delivered
Alabama.....	—	—	3.14	6.6
Alaska.....	1.73	67.5	—	—
Arizona.....	3.57	0.6	—	—
Arkansas.....	2.87	5.4	—	—
California.....	3.43	0.6	2.95	13.8
Colorado.....	0.65	100.0	2.38	23.4
Connecticut.....	—	—	2.89	6.7
Delaware.....	2.59	7.9	2.78	100.0
Florida.....	3.61	0.3	2.44	0.9
Georgia.....	1.58	100.0	—	—
Illinois.....	2.97	11.2	4.90	2.6
Indiana.....	1.88	41.8	—	—
Iowa.....	3.88	8.9	2.32	46.0
Kansas.....	3.05	1.9	—	—
Kentucky.....	3.32	100.0	4.58	100.0
Louisiana.....	2.82	6.9	2.82	9.7
Maryland.....	—	—	5.61	0.5
Massachusetts.....	2.59	3.0	2.80	73.7
Michigan.....	3.74	2.0	3.07	100.0
Minnesota.....	0.63	100.0	2.42	100.0
Mississippi.....	3.01	2.8	—	—
Missouri.....	4.84	0.6	2.46	100.0
Montana.....	2.56	100.0	—	—
Nebraska.....	1.72	100.0	2.49	59.7
New Jersey.....	2.69	94.9	3.10	37.3
New Mexico.....	3.76	14.3	—	—
New York.....	3.26	49.5	2.80	100.0
North Carolina.....	4.40	100.0	3.09	77.5
North Dakota.....	4.07	100.0	—	—
Ohio.....	5.88	19.3	3.23	2.4
Oklahoma.....	2.30	1.9	2.43	100.0
Pennsylvania.....	4.62	32.5	3.87	2.3
South Carolina.....	—	—	3.24	100.0
Texas.....	2.53	66.1	5.55	1.8
Utah.....	—	—	2.43	2.7
Vermont.....	—	—	3.34	100.0
Virginia.....	—	—	5.20	0.6
Wisconsin.....	3.07	32.5	3.22	100.0
Wyoming.....	2.89	100.0	—	—
Total.....	2.51	28.6	2.88	23.5

— = 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, 1997
(Volumes in Thousand Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Company	State	Volume	Prices
Northern Illinois Gas Co	IL	241,353,299	5.25
Southern California Gas Co	CA	237,581,205	7.28
Pacific Gas and Elec Co.....	CA	191,919,171	6.12
Consumers Pwr Co	MI	178,690,154	4.80
Columbia Gas Dist Co.....	OH,KY,PA,MD	178,512,589	7.64
Michigan Consol Gas Co.....	MI	152,111,213	5.59
East Ohio Gas Co	OH	147,197,186	6.36
Pub Svc Elec and Gas Co.....	NJ	138,404,765	7.58
Peoples Gas Lt and Coke Co.....	IL	113,561,765	6.96
Lone Star Gas Co.....	TX	100,079,759	6.13
Atlanta Gas Lt Co	GA	96,381,162	7.41
Brooklyn Union Gas Co.....	NY	89,040,916	11.49
Pub Svc Co. of Colorado.....	CO	86,715,461	4.64
Peoples Nat Gas Co.....	NE,SD,KS,IA,CO,MN,PA	86,499,903	6.89
Natl Fuel Gas Distr	PA,NY	84,528,192	8.35
Washington Gas Lt Co	DC,VA,MD	78,278,973	8.56
Entex Div of Noram Energy Corp.....	LA,MS,TX	74,667,963	6.86
Northern Indiana Pub Svc Co	IN	71,550,673	6.14
Minnegasco	MN	67,628,166	5.79
Mountain Fuel Sply Co.....	WY,ID,UT	59,717,149	5.14
Laclede Gas Co.....	MO	59,148,406	6.90
Oklahoma Nat Gas Co	OK	57,143,682	6.15
MidAmerican Energy Co	NE,IA,SD,IL	57,038,762	5.96
Niagara Mohawk Pwr Corp	NY	53,992,757	8.08
Con Edison Co. of New York Inc.....	NY	51,567,275	11.53
Southwest Gas Corp	NV,CA,AZ	49,622,465	7.28
Philadelphia Gas Wks	PA	48,608,330	8.23
Wisconsin Gas Co.....	WI	48,432,860	6.49
Indiana Gas Co. Inc.....	IN	47,505,000	6.91
Kansas Gas Svs Co	KS,OK	47,345,153	6.60
Arkla A Noram Energy Co.....	OK,AR,LA,TX	47,336,099	7.15
Southern Union Co.....	MO	43,157,651	6.24
Northern States Pwr Co	ND,WI,MI,MN	42,428,541	5.89
Puget Sound Energy	WA	41,390,269	5.97
Boston Gas Co	MA	40,597,736	9.81
Baltimore Gas and Elec Co.....	MD	38,450,439	8.37
Long Island Ltg Co	NY	38,196,905	10.40
New Jersey Nat Gas Co.....	NJ	35,977,256	8.49
Peco Energy Co	PA	34,487,669	8.17
Wisconsin Elec Pwr Co	WI	34,373,402	6.46
Cincinnati Gas and Elec Co	OH	34,370,324	6.75
Illinois Pwr Co.....	IL	34,326,734	6.93
Pnm Gas Services.....	NM	31,631,855	5.93
San Diego Gas and Elec Co	CA	31,013,679	7.45
Rochester Gas and Elec Co.....	NY	29,488,936	8.75
Northwest Nat Gas Co	OR,WA	29,378,830	6.05
Alabama Gas Corp	AL	29,308,019	8.40
Piedmont Nat Gas Co	SC,NC	29,017,573	8.73
Dayton Pwr and Lt Co	OH	28,787,598	5.50
Equitable Gas Co	PA,WV,KY	28,502,559	10.33

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, 1997
(Volumes in Thousand Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Company	State	Volume	Price
Con Edison Co. of New York Inc.....	NY	88,830,005	5.25
Pub Svc Elec and Gas Co.....	NJ	70,705,783	5.28
Columbia Gas Dist Co.....	OH,KY,PA,MD	63,746,659	7.11
Southern California Gas Co.....	CA	57,000,043	6.63
Minnegasco.....	MN	55,213,151	4.69
Pacific Gas and Elec Co.....	CA	54,854,821	6.15
Entex Div of Noram Energy Corp.....	LA,MS,TX	51,551,370	5.31
Consumers Pwr Co.....	MI	50,657,354	4.44
Michigan Consol Gas Co.....	MI	50,589,626	5.55
Northern Illinois Gas Co.....	IL	47,159,304	5.26
Pub Svc Co. of Colorado.....	CO	46,479,502	3.88
East Ohio Gas Co.....	OH	41,561,614	5.92
Atlanta Gas Lt Co.....	GA	41,341,668	6.48
Lone Star Gas Co.....	TX	37,336,458	5.34
Washington Gas Lt Co.....	DC,VA,MD	36,388,903	6.56
MidAmerican Energy Co.....	NE,IA,SD,IL	31,238,096	4.91
Southwest Gas Corp.....	NV,CA,AZ	30,898,860	5.30
Peoples Nat Gas Co.....	NE,SD,KS,IA,CO,MN,PA	29,896,501	5.62
Oklahoma Nat Gas Co.....	OK	29,389,914	5.31
Northern Indiana Pub Svc Co.....	IN	28,405,690	5.03
Arkla A Noram Energy Co.....	OK,AR,LA,TX	27,115,724	5.69
Mountain Fuel Sply Co.....	WY,ID,UT	27,034,169	3.90
Northern States Pwr Co.....	ND,WI,MI,MN	26,773,740	5.12
Boston Gas Co.....	MA	26,374,294	7.20
Long Island Ltg Co.....	NY	25,416,389	7.52
Brooklyn Union Gas Co.....	NY	23,306,715	7.90
Puget Sound Energy.....	WA	22,696,413	4.94
Wisconsin Gas Co.....	WI	21,897,427	5.29
Northwest Nat Gas Co.....	OR,WA	21,873,960	4.61
Laclede Gas Co.....	MO	21,855,529	5.83
Natl Fuel Gas Distr.....	PA,NY	21,683,441	7.47
Niagara Mohawk Pwr Corp.....	NY	21,584,628	6.87
Wisconsin Elec Pwr Co.....	WI	20,830,653	5.63
Southern Union Co.....	MO	20,074,521	5.97
Peoples Gas Lt and Coke Co.....	IL	19,869,520	6.14
Piedmont Nat Gas Co.....	SC,NC	19,728,728	7.03
Peco Energy Co.....	PA	19,429,080	7.30
Peoples Gas Sys Inc.....	FL	18,950,426	6.68
Cincinnati Gas and Elec Co.....	OH	18,398,528	6.30
Indiana Gas Co. Inc.....	IN	17,700,479	6.64
Kansas Gas Svs Co.....	KS,OK	16,877,535	5.95
Illinois Pwr Co.....	IL	16,681,659	4.93
Baltimore Gas and Elec Co.....	MD	16,372,781	6.66
Citizens Gas and Coke Util.....	IN	15,256,288	4.85
United Cities Gas Co.....	TN,VA,KS,SC,IL,IA,GA	14,967,109	6.29
Commonwealth Gas Co.....	MA	14,858,806	6.61
Philadelphia Gas Wks.....	PA	14,758,086	7.49
Pnm Gas Services.....	NM	14,694,574	4.46
Connecticut Nat Gas Corp.....	CT	14,358,795	5.86
Memphis Lt Gas and Wtr.....	TN	13,833,019	5.04

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, 1997
(Thousand Cubic Feet)

Company	Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities	Total
Southern California Gas Co.....	239,806,156	103,413,827	284,215,130	1,109,160	157,653,320	786,197,593
Pacific Gas and Elec Co.....	193,084,756	132,564,645	157,954,353	608,896	145,959,132	630,171,782
Lone Star Gas Co.....	100,079,759	39,125,204	331,114,725	0	124,116,343	594,436,031
Midcon Texas P L Operator Inc.....	0	0	474,624,481	0	109,413,069	584,037,550
Northern Illinois Gas Co.....	249,453,348	95,871,972	143,206,591	1,537	39,419,013	527,952,461
Columbia Gas Dist Co.....	183,896,512	102,145,657	175,997,075	30,684	580,790	462,650,718
Pub Svc Elec and Gas Co.....	138,404,765	130,108,996	135,651,934	0	13,184,142	417,349,837
Michigan Consol Gas Co.....	153,863,902	97,261,775	94,979,658	0	2,920,743	349,026,078
Consumers Pwr Co.....	181,290,957	72,367,648	85,106,792	8,383	1,177,760	339,951,540
Koch Gateway P L Co.....	0	1,516,410	201,279,323	0	110,814,156	313,609,889
Tejas Gas P L.....	0	0	194,859,378	0	117,417,948	312,277,326
East Ohio Gas Co.....	147,197,186	64,708,614	95,272,017	252,676	861,901	308,292,394
Florida Gas Trans Co.....	0	0	18,382,803	0	284,385,367	302,768,170
Bridgeline Gas Dist Co.....	0	0	228,216,673	0	53,251,331	281,468,004
Northern Indiana Pub Svc Co.....	71,550,673	32,296,721	168,649,746	37,269	2,936,483	275,470,892
Oklahoma Nat Gas Co.....	57,143,682	33,008,014	181,951,341	109,636	1,062,744	273,275,417
Peoples Nat Gas Co.....	89,018,356	48,434,045	124,120,469	0	391,076	261,963,946
Atlanta Gas Lt Co.....	96,381,162	47,552,280	108,031,263	0	6,800,276	258,764,981
Con Edison Co. of New York Inc.....	52,350,246	96,072,132	2,249,457	12,779	107,303,041	257,987,655
Channel Industries Gas Co.....	0	12,297	188,864,428	0	56,330,230	245,206,955
Peoples Gas Lt and Coke Co.....	137,692,274	54,518,054	33,728,249	17,508	1,109,653	227,065,738
Niagara Mohawk Pwr Corp.....	54,004,731	58,936,273	112,929,535	27,364	865,844	226,763,747
Houston P L Co.....	0	48,682,847	133,914,229	0	36,642,450	219,239,526
Tejas Ship Channel Llc.....	0	0	218,191,359	0	0	218,191,359
Entex Div of Noram Energy Corp.....	74,667,963	57,108,392	50,877,663	0	0	182,654,018
Pub Svc Co. of Colorado.....	86,715,461	46,479,502	44,803,093	0	3,188,762	181,186,818
Texas Util Fuel Co.....	0	0	0	0	173,757,936	173,757,936
Pg&e Texas P L Lp.....	442	4,058,425	51,154,912	0	117,841,013	173,054,792
Natl Fuel Gas Distr.....	85,334,657	37,227,488	49,816,764	0	0	172,378,909
Long Island Ltg Co.....	38,661,344	59,816,413	0	390,544	72,111,669	170,979,970
Kern River Gas Trans Co.....	0	124,626	147,125,876	0	16,166,128	163,416,630
Southwest Gas Corp.....	49,622,465	41,086,833	25,969,129	218,145	44,845,974	161,742,546
Boston Gas Co.....	40,597,736	62,405,740	16,239,308	4,163	37,342,343	156,589,290
Louisiana Intrastate Gas.....	0	0	143,546,224	0	11,254,650	154,800,874
Noram Gas Trans Co.....	0	0	125,795,121	0	26,782,867	152,577,988
MidAmerican Energy Co.....	57,039,529	37,485,958	51,384,485	6,205	6,503,239	152,419,416
Washington Gas Lt Co.....	80,671,767	62,806,936	0	42,110	6,723,549	150,244,362
Minnegasco.....	67,628,166	55,519,177	19,875,298	20,669	709,067	143,752,377
Mountain Fuel Sply Co.....	59,717,149	32,278,877	44,359,576	138,826	3,469,348	139,963,776
Brooklyn Union Gas Co.....	92,198,201	30,911,838	9,393,738	146,802	0	132,650,579
Wisconsin Gas Co.....	48,540,592	22,792,568	57,867,313	19,875	17,955	129,238,303
Indiana Gas Co. Inc.....	47,505,000	19,123,000	52,102,730	14,504	4,100,766	122,846,000
Baltimore Gas and Elec Co.....	38,450,439	18,512,967	62,236,212	33,043	2,722,313	121,954,974
San Diego Gas and Elec Co.....	31,246,464	12,289,767	26,711,008	362,968	48,852,893	119,463,100
Northwest Nat Gas Co.....	29,378,830	21,873,960	55,219,955	34,654	5,236,239	111,743,638
Arkla A Noram Energy Co.....	47,336,099	30,218,434	33,707,813	0	0	111,262,346
Dow P L Co.....	2,983	2,666,952	108,406,735	0	0	111,076,670
Alabama Gas Corp.....	29,308,019	20,985,483	51,277,620	0	7,028,200	108,599,322
Cincinnati Gas and Elec Co.....	34,370,889	24,845,067	46,806,586	0	1,825,837	107,848,379
Laclede Gas Co.....	59,148,406	27,000,380	20,065,323	40,191	0	106,254,300

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, 1993-1997

State	1993		1994		1995		1996		1997	
	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.....	70	499	67	495	66	452	74	533	62	518
Alaska.....	183	724	192	690	192	695	199	680	181	683
Arizona.....	46	332	47	352	41	318	40	302	43	335
Arkansas.....	89	477	80	455	77	424	86	508	78	520
California.....	57	358	59	378	54	346	53	340	53	360
Colorado.....	102	460	93	456	94	451	97	425	98	469
Connecticut.....	99	931	97	985	95	945	101	1,017	93	961
D.C.....	122	1,017	117	974	116	931	128	1,175	117	1,101
Delaware.....	86	573	85	633	82	542	92	655	82	685
Florida.....	29	288	28	278	28	280	31	335	25	293
Georgia.....	81	550	72	529	77	474	83	552	74	546
Hawaii.....	19	326	19	318	19	330	17	345	17	363
Idaho.....	85	455	75	399	74	414	80	414	76	389
Illinois.....	146	807	139	763	145	676	154	813	141	841
Indiana.....	117	673	109	683	110	591	121	669	112	714
Iowa.....	113	617	104	563	108	551	114	628	105	646
Kansas.....	109	536	96	490	95	467	106	593	85	549
Kentucky.....	102	536	94	511	96	487	101	558	93	590
Louisiana.....	60	367	56	350	55	330	60	405	55	392
Maine.....	65	485	63	496	61	448	65	506	66	561
Maryland.....	95	675	93	647	91	602	98	747	87	728
Massachusetts.....	105	874	101	907	90	810	96	854	93	879
Michigan.....	138	696	134	669	137	648	142	704	133	691
Minnesota.....	115	610	117	604	119	572	129	705	114	654
Mississippi.....	71	372	67	365	65	343	72	413	65	414
Missouri.....	109	587	96	519	99	513	108	642	99	652
Montana.....	108	530	96	503	97	497	108	525	100	505
Nebraska.....	117	579	104	520	105	509	111	543	106	603
Nevada.....	68	385	63	421	57	384	57	355	59	371
New Hampshire.....	92	701	90	720	88	628	93	690	90	763
New Jersey.....	95	664	104	738	92	665	104	742	99	784
New Mexico.....	80	437	75	423	68	344	79	351	83	485
New York.....	96	784	96	841	93	784	100	887	92	896
North Carolina.....	78	542	73	531	73	504	84	638	71	642
North Dakota.....	117	614	114	592	117	545	129	585	116	577
Ohio.....	123	705	118	691	121	659	125	739	117	787
Oklahoma.....	93	459	82	450	80	446	88	499	82	512
Oregon.....	80	515	74	515	68	460	77	484	71	442
Pennsylvania.....	113	771	112	835	109	778	115	845	107	892
Rhode Island.....	99	811	87	789	85	685	92	783	85	820
South Carolina.....	66	469	56	431	61	460	69	512	58	486
South Dakota.....	97	515	101	532	102	513	111	581	101	582
Tennessee.....	80	457	75	458	75	430	84	524	74	511
Texas.....	69	409	64	382	60	355	65	385	66	419
Utah.....	107	549	97	482	94	443	97	432	102	525
Vermont.....	117	727	108	751	98	667	103	662	103	660
Virginia.....	95	713	90	690	91	655	96	766	91	782
Washington.....	94	492	88	501	83	487	93	526	88	496
West Virginia.....	100	643	100	664	100	705	104	733	99	676
Wisconsin.....	107	676	102	642	105	613	112	674	100	642
Wyoming.....	109	521	99	503	102	491	103	437	103	474
Total.....	94	582	91	582	89	541	95	602	89	616

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

Census Division Summaries



Southern California Gas Company's gas well storage field in Aliso Canyon, California.

Table 33. Natural Gas Delivered to Consumers by Census Division, 1997

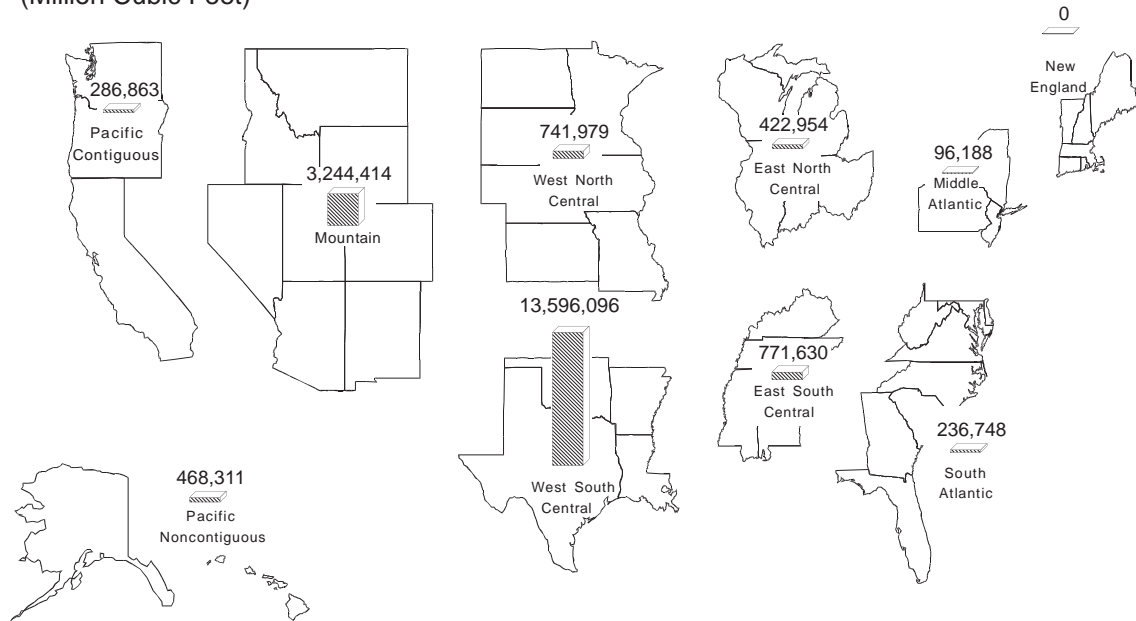
Census Division	Residential		Commercial		Industrial	
	Quantity (million cubic feet)	Consumers	Quantity (million cubic feet)	Consumers	Quantity (million cubic feet)	Consumers
New England	181,610	1,971,242	173,994	201,742	178,011	15,354
Middle Atlantic	855,061	8,723,538	633,706	756,384	746,158	47,242
East North Central	1,536,570	12,293,628	749,428	1,261,311	1,438,604	63,756
West North Central	479,287	4,693,375	308,633	503,066	469,979	26,759
South Atlantic	418,316	5,579,544	313,730	522,757	743,408	14,323
East South Central	206,285	2,786,410	148,174	296,848	519,808	7,787
West South Central	401,887	5,922,727	316,473	553,044	3,417,784	13,515
Mountain	315,854	3,881,774	219,735	350,732	316,287	9,130
Pacific Contiguous	573,239	10,220,134	326,074	542,772	938,916	41,005
Pacific Noncontiguous	15,664	114,586	28,660	15,728	73,941	34
Total	4,983,772	56,186,958	3,218,606	5,004,384	8,842,896	238,905

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	64	96,009	629,688	1,022
Middle Atlantic	636	254,389	2,489,950	1,030
East North Central	442	102,293	3,827,337	1,022
West North Central	84	47,893	1,305,877	1,010
South Atlantic	180	350,407	1,826,041	1,039
East South Central	23	86,906	961,196	1,038
West South Central	142	1,487,637	5,623,923	1,047
Mountain	581	118,666	971,123	1,027
Pacific Contiguous	2,272	391,273	2,231,773	1,022
Pacific Noncontiguous	0	33,511	151,776	1,000
Total	4,424	2,968,984	20,018,683	1,026

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, 1997 (Million Cubic Feet)



Sources: West Virginia, 1997: 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, 1996-1997
(Dollars per Thousand Cubic Feet)

Census Division	Residential		Commercial	
	1996	1997	1996	1997
New England.....	9.03	9.57	6.96	7.35
Middle Atlantic.....	8.00	8.84	6.57	6.55
East North Central.....	5.44	6.04	4.94	5.51
West North Central.....	5.54	6.13	4.71	5.14
South Atlantic.....	7.50	8.24	6.14	6.65
East South Central.....	6.21	7.00	5.55	6.03
West South Central.....	5.96	6.45	4.58	5.17
Mountain.....	4.91	5.43	4.02	4.36
Pacific Contiguous.....	6.35	6.65	5.57	5.85
Pacific Noncontiguous.....	3.95	4.37	3.64	3.86

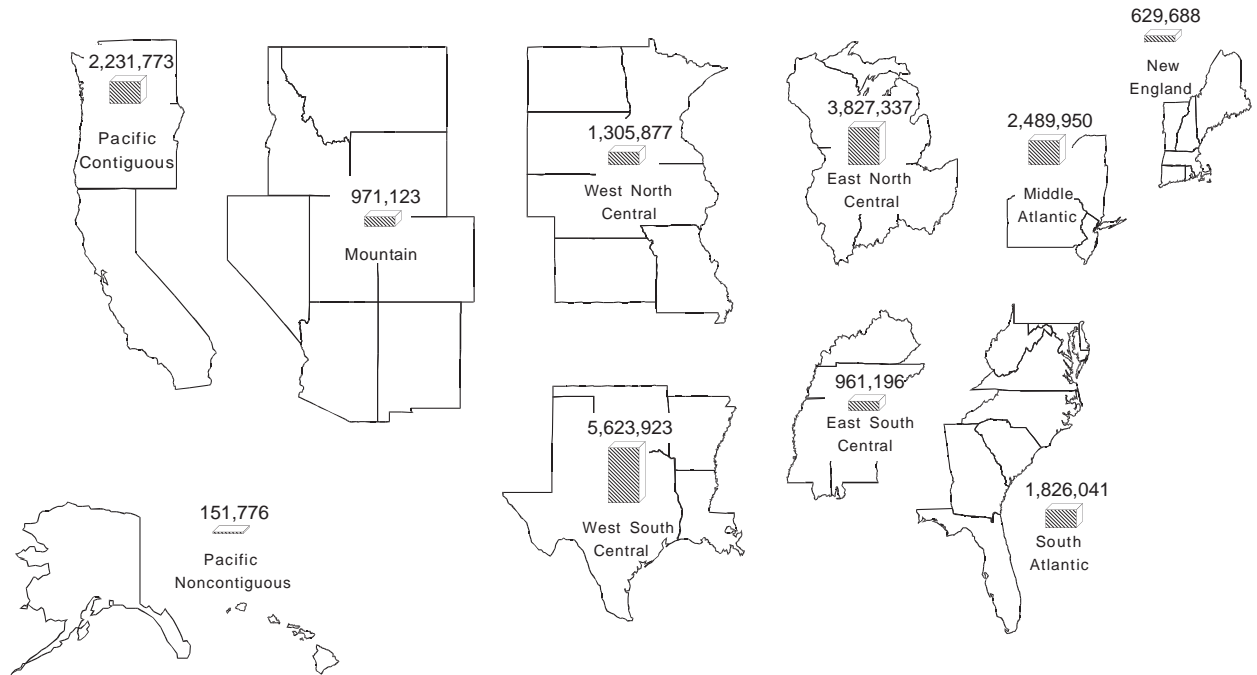
Census Division	Industrial		Vehicle Fuel		Electric Utilities	
	1996	1997	1996	1997	1996	1997
New England.....	4.99	5.08	6.13	5.51	2.79	3.06
Middle Atlantic.....	4.11	4.18	4.95	4.22	2.96	2.90
East North Central.....	3.79	4.22	4.81	5.30	1.91	2.15
West North Central.....	3.37	3.68	3.05	3.72	2.36	2.56
South Atlantic.....	4.13	4.17	4.13	4.39	3.12	2.59
East South Central.....	3.74	3.88	4.82	5.09	2.80	2.70
West South Central.....	2.67	2.89	2.66	2.87	2.63	2.73
Mountain.....	3.04	3.41	3.99	4.29	2.34	2.50
Pacific Contiguous.....	3.43	3.77	4.56	4.48	2.73	3.02
Pacific Noncontiguous.....	1.41	1.58	—	—	1.45	1.74

— = 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, 1997
(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 1997








	Million Cu. Feet	Percent of National Total		Million Cu. Feet	Percent of National Total
	Net Interregion Movements: 637,692			Industrial: 178,011	2.01
	Marketed Production: 0 0.00			Vehicle Fuel: 64	1.45
Deliveries to Consumers:					
	Residential: 181,610	3.64		Electric Utilities: 96,009	3.23
	Commercial: 173,994	5.41	Total: 629,688		3.15

Table 35. Summary Statistics for Natural Gas — New England, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	67,319	50,983	31,199	51,968	66,526
Intransit Receipts	0	0	0	0	0
Interregion Receipts	482,851	489,523	797,531	712,656	658,662
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	9,358	14,884	11,066	14,682	10,848
Supplemental Gas Supplies.....	439	352	704	728	341
Balancing Item.....	47,102	80,062	-154,372	-96,795	-6,528
Total Supply.....	607,069	635,804	686,127	683,239	729,849

See footnotes at end of table.

Table 35. Summary Statistics for Natural Gas — New England, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	528,517	560,725	597,314	600,455	635,405
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interregion Deliveries.....	71,931	66,911	81,304	73,535	87,496
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	6,621	8,168	7,510	9,248	6,948
Total Disposition	607,069	635,804	686,127	683,239	729,849
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	3,253	3,866	3,757	4,240	5,717
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential.....	193,088	188,530	173,680	187,469	181,610
Commercial	116,897	147,127	143,825	160,761	173,994
Industrial.....	185,135	172,631	184,704	167,354	178,011
Vehicle Fuel.....	3	13	26	40	64
Electric Utilities.....	30,141	48,558	91,321	80,592	96,009
Total Delivered to Consumers	525,264	556,859	593,556	596,215	629,688
Total Consumption.....	528,517	560,725	597,314	600,455	635,405
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	103	1,038
Commercial	2,226	27,587	19,340	30,732	50,219
Industrial.....	117,146	105,989	110,773	102,985	121,381
Electric Utilities.....	9,866	36,933	66,144	72,933	84,633
Firm Deliveries (million cubic feet)					
Residential.....	193,088	188,194	173,332	187,167	181,342
Commercial	99,399	110,544	118,969	128,799	126,561
Industrial.....	142,335	126,440	129,113	116,010	123,280
Electric Utilities.....	12,439	28,168	46,288	72,058	80,648
Vehicle Fuel.....	3	10	19	22	32
Interruptible Deliveries (million cubic feet)					
Residential.....	0	336	348	302	268
Commercial	17,497	36,583	24,856	31,962	47,433
Industrial.....	42,800	46,191	55,591	51,343	54,731
Electric Utilities.....	10,855	22,465	40,637	8,843	13,235
Vehicle Fuel.....	0	2	6	18	32
Number of Consumers					
Residential.....	1,888,138	1,918,291	1,928,388	1,940,894	1,971,242
Commercial	188,913	180,043	193,778	197,567	201,742
Industrial.....	11,721	13,274	14,940	15,231	15,354
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	102	98	90	97	92
Commercial	619	817	742	814	862
Industrial.....	15,795	13,005	12,363	10,988	11,594
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	2.41	2.43	2.52	2.94	2.82
Exports	—	—	—	—	—
Pipeline Fuel.....	2.98	2.72	2.19	3.09	2.25
City Gate	3.95	4.00	3.82	4.33	4.25
Delivered to Consumers					
Residential.....	8.50	9.16	9.06	9.03	9.57
Commercial	6.43	7.04	6.78	6.96	7.35
Industrial.....	4.88	4.75	4.34	4.99	5.08
Vehicle Fuel.....	6.27	3.57	5.20	6.13	5.51
Electric Utilities.....	2.73	2.26	2.04	2.79	3.06

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); 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 1997




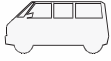



	Million Cu. Feet	Percent of National Total		Million Cu. Feet	Percent of National Total
	Net Interregion Movements: 2,362,776			Industrial: 746,158	8.44
	Marketed Production: 96,188			Vehicle Fuel: 636	14.38
Deliveries to Consumers:					
	Residential: 855,061	17.16		Electric Utilities: 254,389	8.57
	Commercial: 633,706	19.69	Total: 2,489,950		12.44

Table 36. Summary Statistics for Natural Gas — Middle Atlantic, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,981	2,042	1,679	1,928	2,076
Number of Gas and Gas Condensate Wells					
Producing at End of Year	36,857	26,180	37,159	38,000	38,423
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	152,717	140,444	128,677	152,494	95,525
From Oil Wells.....	610	539	723	641	669
Total.....	153,327	140,982	129,400	153,134	96,193
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	153,327	140,982	129,400	153,134	96,193
Vented and Flared.....	14	11	0	3	5
Marketed Production	153,313	140,971	129,400	153,131	96,188
Extraction Loss.....	513	513	582	603	734
Total Dry Production.....	152,800	140,458	128,818	152,528	95,454
Supply (million cubic feet)					
Dry Production.....	152,800	140,458	128,818	152,528	95,454
Receipts at Region Borders					
Imports	502,701	562,267	630,321	652,578	656,332
Intransit Receipts	0	0	0	0	0
Interregion Receipts	2,227,354	2,172,434	2,710,896	2,637,885	2,477,005
Withdrawals from Storage					
Underground Storage.....	448,703	405,137	472,085	379,865	408,606
LNG Storage	7,287	9,429	7,789	9,204	9,942
Supplemental Gas Supplies.....	16,698	9,449	8,856	8,304	7,479
Balancing Item.....	-132,379	-10,334	-204,005	-98,057	48,889
Total Supply.....	3,223,165	3,288,840	3,754,759	3,742,307	3,703,709

See footnotes at end of table.

Table 36. Summary Statistics for Natural Gas — Middle Atlantic, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	2,186,786	2,294,581	2,452,718	2,461,386	2,543,060
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interregion Deliveries	578,376	576,334	900,983	815,681	770,561
Additions to Storage					
Underground Storage.....	450,242	406,139	393,554	452,765	379,922
LNG Storage	7,760	11,786	7,504	12,476	10,166
Total Disposition	3,223,165	3,288,840	3,754,759	3,742,307	3,703,709
Consumption (million cubic feet)					
Lease Fuel.....	4,473	3,917	3,963	4,021	2,800
Pipeline Fuel.....	45,287	46,496	48,439	51,574	50,057
Plant Fuel.....	235	116	181	217	253
Delivered to Consumers					
Residential.....	848,781	870,685	831,564	904,490	855,061
Commercial	481,446	493,738	514,052	558,149	633,706
Industrial.....	590,803	641,701	737,518	767,093	746,158
Vehicle Fuel.....	24	67	143	89	636
Electric Utilities.....	215,737	237,862	316,859	175,752	254,389
Total Delivered to Consumers	2,136,791	2,244,053	2,400,136	2,405,574	2,489,950
Total Consumption.....	2,186,786	2,294,581	2,452,718	2,461,386	2,543,060
Delivered for the Account of Others (million cubic feet)					
Residential.....	4,433	3,366	3,231	4,086	10,199
Commercial	90,938	92,186	119,691	144,044	239,774
Industrial.....	392,264	449,203	548,334	585,683	590,924
Electric Utilities.....	22,638	24,666	52,081	22,419	27,442
Firm Deliveries (million cubic feet)					
Residential.....	848,781	867,990	828,221	900,974	851,683
Commercial	407,353	429,236	444,765	475,115	486,477
Industrial.....	330,821	382,825	475,352	516,690	511,093
Electric Utilities	61,638	69,631	69,473	35,974	49,079
Vehicle Fuel.....	22	40	138	78	619
Interruptible Deliveries (million cubic feet)					
Residential.....	0	2,695	3,343	3,516	3,378
Commercial	74,093	64,501	69,287	83,034	147,229
Industrial.....	259,982	258,876	262,166	250,404	235,065
Electric Utilities	155,188	149,733	230,445	138,219	181,415
Vehicle Fuel.....	2	28	4	11	16
Number of Consumers					
Residential.....	8,437,324	8,491,832	8,567,740	8,627,697	8,723,538
Commercial	712,267	727,372	740,637	754,944	756,384
Industrial.....	41,464	38,829	39,174	31,880	47,242
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	101	103	97	105	98
Commercial	676	679	694	739	838
Industrial.....	14,249	16,526	18,827	24,062	15,794
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.67	2.70	2.76	—	0.43
Imports	2.49	2.44	2.31	2.94	2.90
Exports	—	—	—	—	—
Pipeline Fuel.....	2.88	2.45	1.95	2.66	2.62
City Gate	3.41	3.22	2.88	3.22	4.17
Delivered to Consumers					
Residential.....	7.46	7.94	7.75	8.00	8.84
Commercial	5.95	6.37	6.04	6.57	6.55
Industrial.....	4.00	4.02	3.60	4.11	4.18
Vehicle Fuel.....	5.06	4.11	2.56	4.95	4.22
Electric Utilities.....	2.67	2.28	2.13	2.96	2.90

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

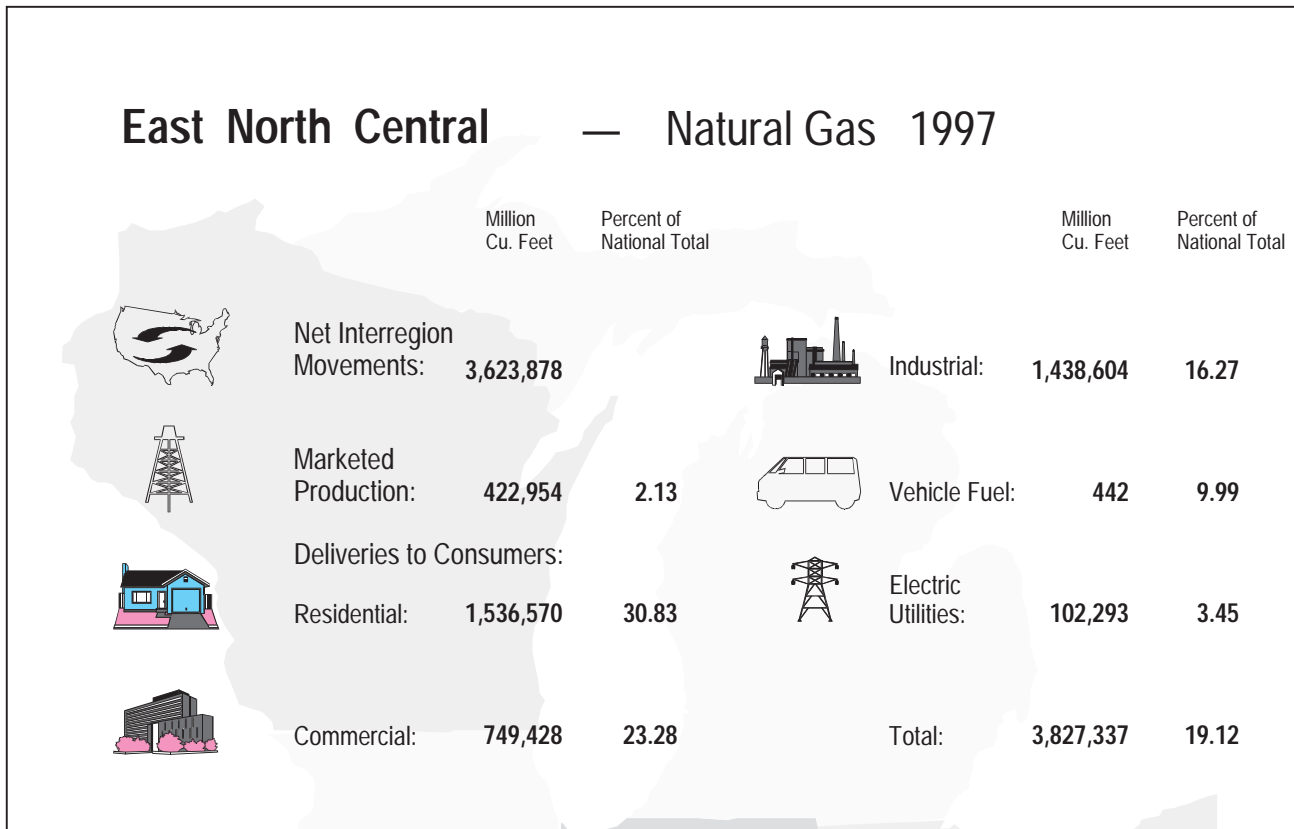


Table 37. Summary Statistics for Natural Gas — East North Central, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	2,264	2,417	2,348	3,174	3,180
Number of Gas and Gas Condensate Wells					
Producing at End of Year	42,003	42,469	41,497	41,943	42,893
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	263,986	269,569	273,230	321,023	366,288
From Oil Wells.....	84,129	91,342	97,557	50,290	62,330
Total.....	348,115	360,912	370,787	371,313	428,618
Repressuring	2,340	2,340	2,340	2,340	2,340
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	345,775	358,572	368,447	368,973	426,278
Vented and Flared.....	3,324	3,324	3,324	3,324	3,324
Marketed Production	342,451	355,248	365,123	365,649	422,954
Extraction Loss.....	7,193	6,555	6,499	6,548	6,430
Total Dry Production.....	335,258	348,693	358,624	359,101	416,524
Supply (million cubic feet)					
Dry Production.....	335,258	348,693	358,624	359,101	416,524
Receipts at Region Borders					
Imports	34,874	17,320	26,475	29,043	23,356
Intransit Receipts	0	0	0	0	0
Interregion Receipts	5,079,521	5,768,472	5,741,430	6,154,619	5,696,454
Withdrawals from Storage					
Underground Storage.....	879,830	796,260	1,006,179	910,748	856,274
LNG Storage	2,140	4,366	2,056	6,159	2,443
Supplemental Gas Supplies.....	26,782	25,453	31,739	30,803	31,412
Balancing Item.....	-203,933	-592,118	-224,388	-301,713	-137,660
Total Supply.....	6,154,472	6,368,446	6,942,115	7,188,760	6,888,803

See footnotes at end of table.

Table 37. Summary Statistics for Natural Gas — East North Central, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	3,643,905	3,669,234	3,861,266	4,047,077	3,913,759
Deliveries at Region Borders					
Exports	44,413	49,470	26,948	50,363	56,447
Intransit Deliveries	324,093	472,499	492,481	536,333	516,620
Interregion Deliveries	1,220,828	1,250,698	1,733,313	1,579,239	1,522,865
Additions to Storage					
Underground Storage	918,386	922,315	826,215	970,171	876,167
LNG Storage	2,849	4,230	1,891	5,577	2,946
Total Disposition	6,154,472	6,368,446	6,942,115	7,188,760	6,888,803
Consumption (million cubic feet)					
Lease Fuel	6,251	7,707	7,461	6,685	10,566
Pipeline Fuel	56,167	70,970	67,520	77,069	73,062
Plant Fuel	3,408	3,504	3,459	3,123	2,793
Delivered to Consumers					
Residential	1,513,299	1,467,349	1,535,648	1,640,926	1,536,570
Commercial	702,557	701,852	740,654	790,682	749,428
Industrial	1,315,680	1,349,295	1,406,125	1,455,204	1,438,604
Vehicle Fuel	149	186	375	465	442
Electric Utilities	46,394	68,371	100,024	72,922	102,293
Total Delivered to Consumers	3,578,079	3,587,053	3,782,826	3,960,199	3,827,337
Total Consumption	3,643,905	3,669,234	3,861,266	4,047,077	3,913,759
Delivered for the Account of Others (million cubic feet)					
Residential	36,078	35,364	38,836	39,092	42,592
Commercial	180,740	197,813	224,954	231,829	250,018
Industrial	1,102,744	1,144,409	1,209,358	1,251,876	1,263,760
Electric Utilities	37,463	59,337	82,892	62,042	88,399
Firm Deliveries (million cubic feet)					
Residential	1,513,299	1,467,338	1,535,619	1,640,893	1,536,570
Commercial	682,660	683,434	719,469	769,657	731,567
Industrial	933,845	936,791	997,523	1,040,951	1,054,293
Electric Utilities	34,582	58,370	75,190	60,289	91,274
Vehicle Fuel	126	160	350	442	422
Interruptible Deliveries (million cubic feet)					
Residential	0	11	28	34	0
Commercial	19,897	18,418	21,185	21,025	17,861
Industrial	381,835	412,504	408,602	414,253	384,311
Electric Utilities	8,953	10,847	22,997	12,661	13,124
Vehicle Fuel	23	26	25	23	20
Number of Consumers					
Residential	11,557,297	11,749,087	11,942,604	12,116,529	12,293,628
Commercial	961,127	969,251	989,497	1,007,756	1,261,311
Industrial	62,397	59,407	58,737	62,460	63,756
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	131	125	129	135	125
Commercial	731	724	749	785	594
Industrial	21,086	22,713	23,939	23,298	22,564
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.41	2.13	1.90	2.35	2.33
Imports	2.02	2.16	1.90	2.89	2.84
Exports	2.14	2.49	1.97	2.66	2.52
Pipeline Fuel	1.21	1.35	1.20	2.06	2.04
City Gate	3.29	3.10	2.96	3.43	3.65
Delivered to Consumers					
Residential	5.54	5.61	5.05	5.44	6.04
Commercial	5.03	5.08	4.57	4.94	5.51
Industrial	3.95	4.03	3.38	3.79	4.22
Vehicle Fuel	4.62	4.27	4.80	4.81	5.30
Electric Utilities	1.92	1.95	1.52	1.91	2.15

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

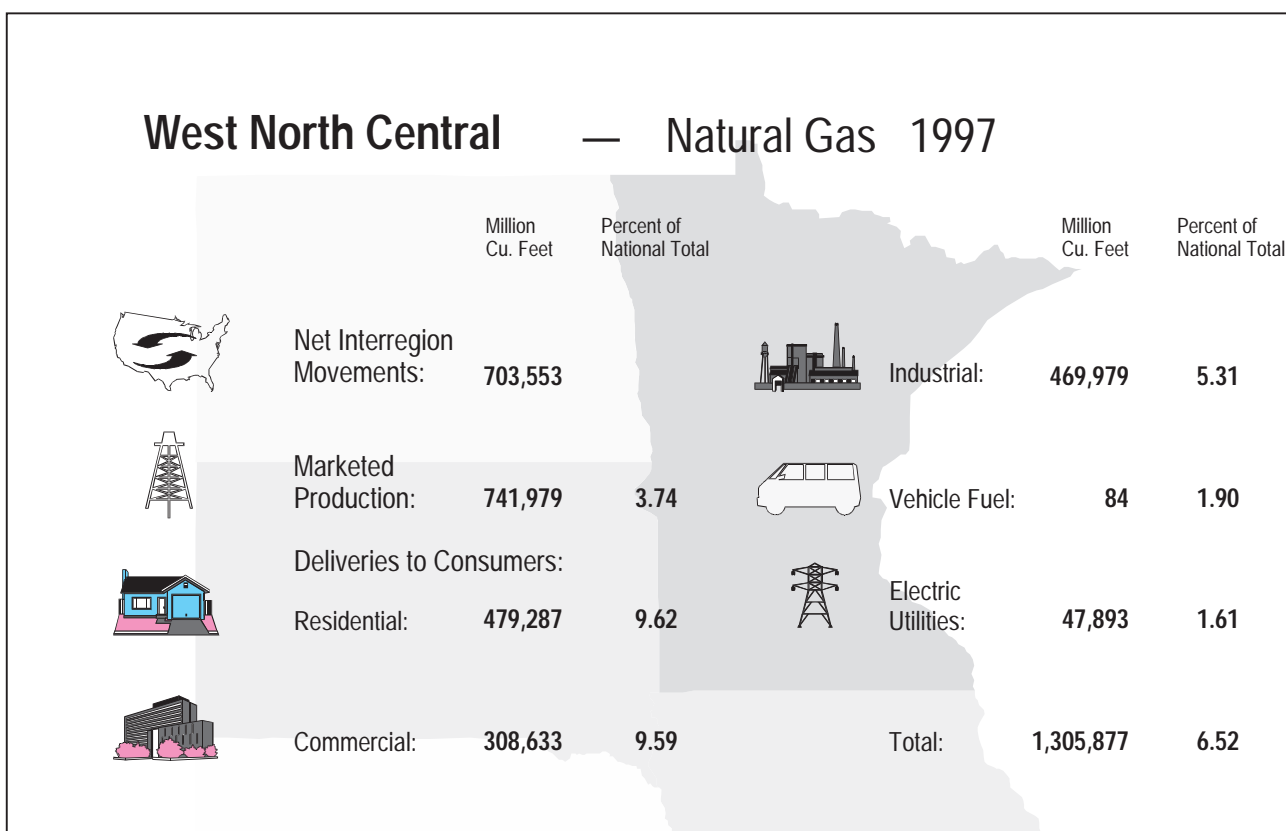


Table 38. Summary Statistics for Natural Gas — West North Central, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	9,873	9,663	9,034	8,156	7,468
Number of Gas and Gas Condensate Wells					
Producing at End of Year	19,687	19,623	22,277	21,669	21,755
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	626,728	651,594	655,917	648,822	638,038
From Oil Wells.....	135,565	136,468	134,776	133,390	118,776
Total.....	762,293	788,062	790,693	782,213	756,814
Repressuring	3,390	3,814	4,043	4,846	1,353
Nonhydrocarbon Gases Removed.....	532	358	93	358	161
Wet After Lease Separation	758,371	783,890	786,558	777,009	755,300
Vented and Flared.....	8,740	9,012	12,145	11,309	13,321
Marketed Production	749,631	774,878	774,412	765,699	741,979
Extraction Loss.....	49,938	52,615	52,769	52,933	43,300
Total Dry Production.....	699,693	722,263	721,643	712,766	698,679
Supply (million cubic feet)					
Dry Production.....	699,693	722,263	721,643	712,766	698,679
Receipts at Region Borders					
Imports	383,702	389,083	411,442	407,584	410,378
Intransit Receipts	324,093	487,760	492,481	536,333	548,000
Interregion Receipts	2,349,622	2,646,848	2,631,598	2,738,559	2,745,142
Withdrawals from Storage					
Underground Storage.....	188,813	184,339	201,673	191,901	169,094
LNG Storage	11,683	9,426	7,976	10,076	3,992
Supplemental Gas Supplies.....	58,642	58,861	57,739	58,063	54,370
Balancing Item.....	182,722	-11,556	191,045	113,042	14,460
Total Supply.....	4,198,969	4,487,023	4,715,599	4,768,324	4,644,115

See footnotes at end of table.

Table 38. Summary Statistics for Natural Gas — West North Central, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	1,444,515	1,458,364	1,478,863	1,517,291	1,450,686
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	2,540,740	2,822,161	3,045,926	3,054,287	2,999,967
Additions to Storage					
Underground Storage	201,425	196,072	184,604	182,579	189,137
LNG Storage	12,288	10,427	6,206	14,166	4,326
Total Disposition	4,198,969	4,487,023	4,715,599	4,768,324	4,644,115
Consumption (million cubic feet)					
Lease Fuel	24,393	22,393	26,035	26,540	25,055
Pipeline Fuel	76,093	72,735	82,769	90,328	89,122
Plant Fuel	41,028	34,050	33,054	34,730	30,632
Delivered to Consumers					
Residential	497,295	464,344	480,802	528,662	479,287
Commercial	318,742	310,307	321,563	347,721	308,633
Industrial	450,139	511,094	477,913	449,511	469,979
Vehicle Fuel	22	67	56	100	84
Electric Utilities	36,803	43,374	56,671	39,700	47,893
Total Delivered to Consumers	1,303,001	1,329,186	1,337,005	1,365,694	1,305,877
Total Consumption	1,444,515	1,458,364	1,478,863	1,517,291	1,450,686
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	13	62	1
Commercial	33,484	41,350	48,810	55,393	44,841
Industrial	345,604	419,331	388,592	359,469	373,677
Electric Utilities	14,296	18,588	25,620	17,157	28,615
Firm Deliveries (million cubic feet)					
Residential	497,161	464,344	480,681	528,571	479,221
Commercial	261,354	264,945	273,315	298,135	256,559
Industrial	278,110	339,769	303,483	304,188	270,825
Electric Utilities	7,293	16,040	22,034	14,938	23,894
Vehicle Fuel	22	67	54	61	61
Interruptible Deliveries (million cubic feet)					
Residential	0	0	122	91	66
Commercial	57,387	45,362	48,248	49,586	52,074
Industrial	172,030	171,324	174,430	145,323	199,154
Electric Utilities	19,297	14,725	19,325	9,550	11,710
Vehicle Fuel	0	0	1	39	23
Number of Consumers					
Residential	4,451,556	4,495,448	4,545,173	4,619,457	4,693,375
Commercial	482,592	499,138	501,899	509,593	503,066
Industrial	13,036	12,557	13,617	13,910	26,759
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	112	103	106	114	102
Commercial	660	622	641	682	614
Industrial	34,530	40,702	35,097	32,316	17,563
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.81	1.48	1.28	1.79	2.05
Imports	2.07	2.06	1.80	2.37	2.44
Exports	—	—	—	—	—
Pipeline Fuel	1.39	1.06	1.00	1.70	1.75
City Gate	3.15	2.99	2.60	3.17	3.75
Delivered to Consumers					
Residential	5.25	5.26	4.97	5.54	6.13
Commercial	4.47	4.44	4.08	4.71	5.14
Industrial	3.33	3.27	2.73	3.37	3.68
Vehicle Fuel	4.35	2.99	2.41	3.05	3.72
Electric Utilities	2.41	2.02	1.71	2.36	2.56

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); 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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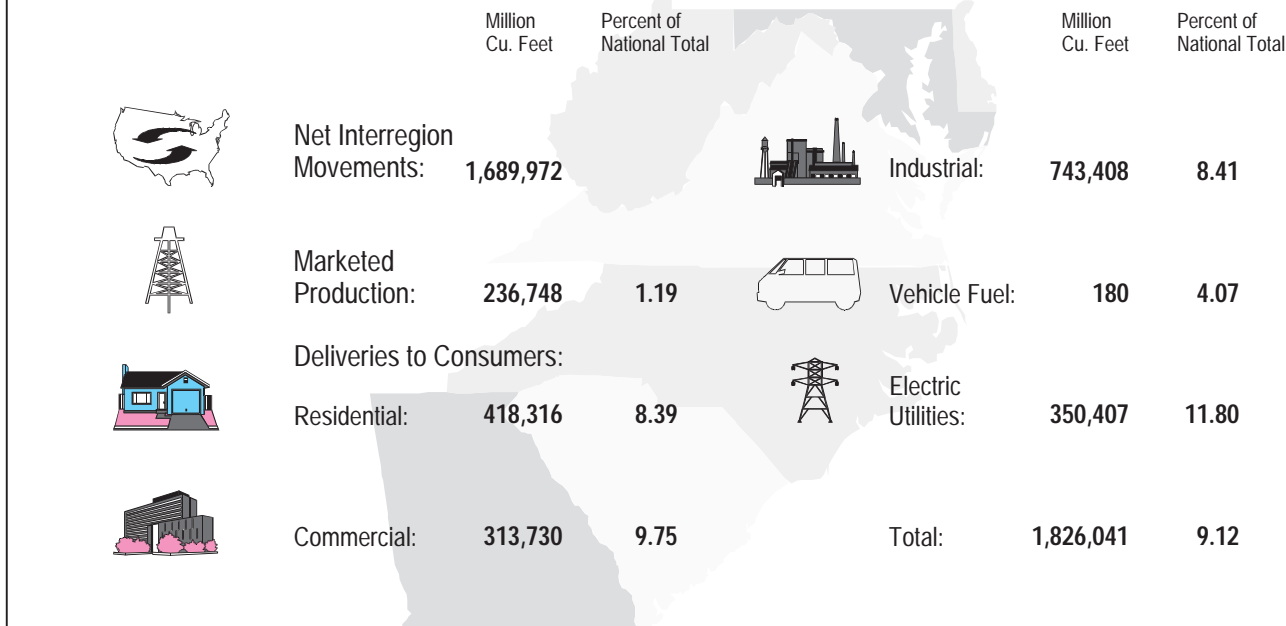


Table 39. Summary Statistics for Natural Gas — South Atlantic, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	3,811	4,496	4,427	4,729	5,388
Number of Gas and Gas Condensate Wells					
Producing at End of Year	35,149	41,307	37,822	36,827	33,054
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	208,892	234,058	236,072	233,409	230,634
From Oil Wells.....	8,011	8,468	7,133	6,706	6,907
Total.....	216,903	242,526	243,204	240,115	237,541
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	721	762	642	700	793
Wet After Lease Separation	216,182	241,764	242,562	239,415	236,748
Vented and Flared.....	205	220	28	0	0
Marketed Production	215,977	241,544	242,534	239,415	236,748
Extraction Loss.....	13,387	12,690	9,026	8,742	8,742
Total Dry Production.....	202,590	228,854	233,508	230,673	228,006
Supply (million cubic feet)					
Dry Production.....	202,590	228,854	233,508	230,673	228,006
Receipts at Region Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interregion Receipts	3,290,584	3,415,392	3,765,665	3,836,300	3,877,503
Withdrawals from Storage					
Underground Storage.....	172,256	173,690	206,746	182,240	195,981
LNG Storage	5,452	7,333	9,592	12,643	6,881
Supplemental Gas Supplies.....	4,791	5,494	1,247	1,870	553
Balancing Item.....	143,864	98,886	-54,631	122,117	-29,767
Total Supply.....	3,819,537	3,929,650	4,162,127	4,385,844	4,279,157

See footnotes at end of table.

Table 39. Summary Statistics for Natural Gas — South Atlantic, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	1,622,052	1,680,492	1,923,936	1,906,994	1,903,928
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interregion Deliveries	2,015,987	2,054,593	2,067,231	2,243,835	2,187,531
Additions to Storage					
Underground Storage.....	175,763	186,532	161,568	218,060	179,809
LNG Storage	5,734	8,033	9,393	16,955	7,890
Total Disposition	3,819,537	3,929,650	4,162,127	4,385,844	4,279,157
Consumption (million cubic feet)					
Lease Fuel.....	5,346	6,570	6,763	7,901	8,154
Pipeline Fuel.....	49,731	59,911	59,971	67,808	66,909
Plant Fuel	4,557	4,439	3,344	2,387	2,823
Delivered to Consumers					
Residential.....	403,479	391,714	408,590	457,792	418,316
Commercial.....	295,379	293,056	305,621	320,153	313,730
Industrial.....	644,009	690,497	740,332	716,648	743,408
Vehicle Fuel.....	53	126	198	182	180
Electric Utilities.....	219,499	235,179	399,117	334,123	350,407
Total Delivered to Consumers	1,562,419	1,610,572	1,853,857	1,828,898	1,826,041
Total Consumption.....	1,622,052	1,680,492	1,923,936	1,906,994	1,903,928
Delivered for the Account of Others (million cubic feet)					
Residential.....	99	100	120	1,479	2,617
Commercial.....	25,958	27,611	35,191	35,990	59,518
Industrial.....	379,240	430,040	482,042	463,307	515,921
Electric Utilities.....	208,839	230,067	358,113	313,166	333,851
Firm Deliveries (million cubic feet)					
Residential.....	404,376	391,699	408,562	456,438	418,316
Commercial.....	227,176	226,856	232,783	250,275	228,312
Industrial.....	171,121	223,748	245,688	245,524	232,097
Electric Utilities.....	174,890	207,925	328,376	291,030	287,284
Vehicle Fuel.....	49	122	138	139	133
Interruptible Deliveries (million cubic feet)					
Residential.....	0	15	28	1,354	0
Commercial.....	68,203	66,200	72,838	69,878	85,418
Industrial.....	472,888	466,748	494,643	471,124	511,311
Electric Utilities.....	55,781	38,825	69,670	34,408	62,315
Vehicle Fuel.....	4	5	60	43	47
Number of Consumers					
Residential.....	4,976,403	5,161,109	5,285,997	5,446,188	5,579,544
Commercial.....	467,891	482,552	495,065	514,514	522,757
Industrial.....	11,672	12,786	12,968	13,243	14,323
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	81	76	77	84	75
Commercial.....	631	607	617	622	600
Industrial.....	55,176	54,004	57,089	54,115	51,903
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	3.24	2.48	2.09	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	2.83	2.77	1.82	2.84	3.00
City Gate	3.40	3.36	2.93	3.80	3.92
Delivered to Consumers					
Residential.....	7.15	7.39	6.89	7.50	8.24
Commercial.....	5.72	5.77	5.33	6.14	6.65
Industrial.....	3.70	3.56	3.31	4.13	4.17
Vehicle Fuel.....	4.05	3.94	3.19	4.13	4.39
Electric Utilities.....	2.48	2.26	2.28	3.12	2.59

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); 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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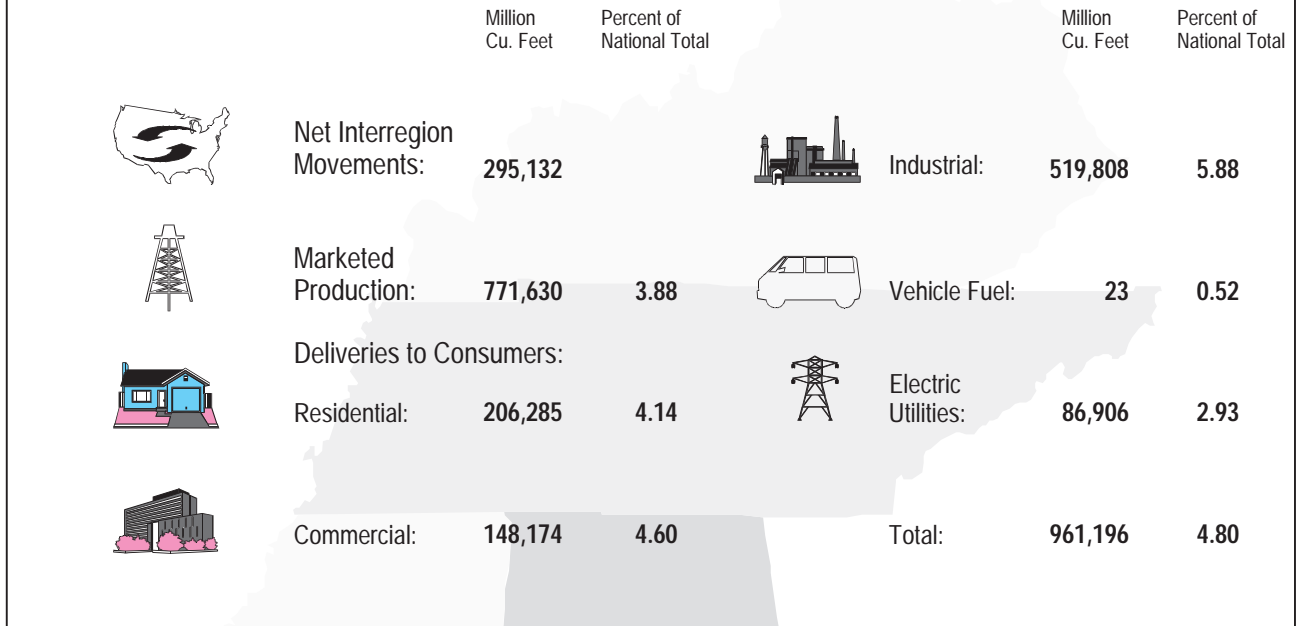


Table 40. Summary Statistics for Natural Gas — East South Central, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	6,940	6,449	6,575	6,647	6,914
Number of Gas and Gas Condensate Wells					
Producing at End of Year	16,970	17,184	17,372	18,174	19,046
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	651,428	751,428	756,345	769,753	818,196
From Oil Wells.....	28,545	24,309	19,806	19,295	19,248
Total.....	679,973	775,737	776,151	789,048	837,444
Repressuring	45,271	46,044	42,270	31,967	26,138
Nonhydrocarbon Gases Removed.....	73,337	71,324	36,944	35,322	35,371
Wet After Lease Separation	561,365	658,368	696,937	721,759	775,935
Vented and Flared.....	4,020	4,577	5,170	4,530	4,305
Marketed Production	557,346	653,791	691,768	717,229	771,630
Extraction Loss.....	8,236	8,096	7,953	8,086	7,341
Total Dry Production.....	549,110	645,695	683,815	709,143	764,289
Supply (million cubic feet)					
Dry Production.....	549,110	645,695	683,815	709,143	764,289
Receipts at Region Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interregion Receipts	5,278,358	5,599,776	5,560,871	5,893,643	5,716,167
Withdrawals from Storage					
Underground Storage.....	115,529	105,566	149,791	140,019	128,925
LNG Storage	3,327	3,376	3,723	5,266	2,951
Supplemental Gas Supplies.....	439	204	39	137	65
Balancing Item.....	-20,662	75,081	285,070	379,906	21,704
Total Supply.....	5,926,099	6,429,698	6,683,308	7,128,114	6,634,102

See footnotes at end of table.

Table 40. Summary Statistics for Natural Gas — East South Central, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	979,800	1,001,052	1,090,534	1,111,595	1,087,919
Deliveries at Region Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	4,839,004	5,299,221	5,455,080	5,851,200	5,421,035
Additions to Storage					
Underground Storage	104,020	125,496	134,757	161,531	122,312
LNG Storage	3,275	3,929	2,938	3,788	2,835
Total Disposition	5,926,099	6,429,698	6,683,308	7,128,114	6,634,102
Consumption (million cubic feet)					
Lease Fuel	15,826	14,757	15,569	15,475	12,161
Pipeline Fuel	90,732	95,075	104,440	119,038	111,081
Plant Fuel	5,680	4,821	4,907	3,891	3,481
Delivered to Consumers					
Residential	205,541	196,700	202,673	227,335	206,285
Commercial	133,493	132,262	135,978	150,694	148,174
Industrial	482,184	469,673	505,164	503,327	519,808
Vehicle Fuel	10	19	276	31	23
Electric Utilities	46,335	87,745	121,527	91,804	86,906
Total Delivered to Consumers	867,563	886,399	965,618	973,190	961,196
Total Consumption	979,800	1,001,052	1,090,534	1,111,595	1,087,919
Delivered for the Account of Others (million cubic feet)					
Residential	2	0	0	0	0
Commercial	10,536	11,854	13,160	13,144	20,752
Industrial	312,266	301,991	336,638	338,995	365,405
Electric Utilities	30,039	35,696	49,518	62,943	71,677
Firm Deliveries (million cubic feet)					
Residential	205,541	196,342	202,585	227,331	206,285
Commercial	122,676	120,154	122,051	136,860	127,358
Industrial	164,544	208,227	232,210	241,109	289,089
Electric Utilities	30,870	2,051	7,525	7,138	20,095
Vehicle Fuel	10	10	276	25	20
Interruptible Deliveries (million cubic feet)					
Residential	0	358	87	4	0
Commercial	10,817	12,108	13,927	13,833	20,816
Industrial	317,640	261,446	272,953	262,217	230,719
Electric Utilities	16,926	36,486	44,179	57,782	53,330
Vehicle Fuel	0	9	0	5	3
Number of Consumers					
Residential	2,516,613	2,586,901	2,657,218	2,722,985	2,786,410
Commercial	269,995	275,628	282,428	288,039	296,848
Industrial	7,879	7,851	7,812	7,692	7,787
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	82	76	76	83	74
Commercial	494	480	481	523	499
Industrial	61,199	59,823	64,665	65,435	66,753
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.33	2.11	1.72	2.47	2.54
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.40	1.98	1.80	2.62	2.64
City Gate	3.13	3.01	2.74	3.61	3.64
Delivered to Consumers					
Residential	5.84	6.15	5.74	6.21	7.00
Commercial	5.16	5.38	4.98	5.55	6.03
Industrial	3.47	3.44	3.09	3.74	3.88
Vehicle Fuel	4.70	4.00	1.72	4.82	5.09
Electric Utilities	2.45	1.99	1.81	2.80	2.70

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); 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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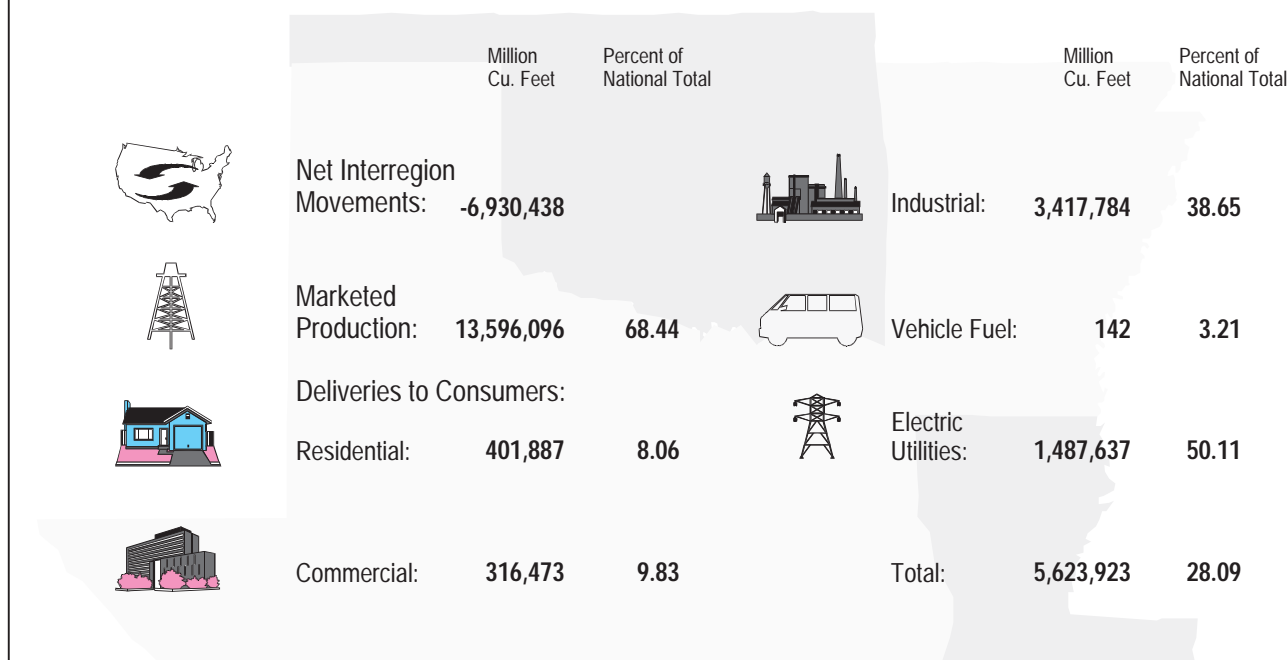


Table 41. Summary Statistics for Natural Gas — West South Central, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	84,777	88,034	88,734	62,357	62,348
Number of Gas and Gas Condensate Wells					
Producing at End of Year	95,288	94,233	102,525	102,864	105,506
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	11,749,649	11,959,444	11,824,788	12,116,665	12,102,607
From Oil Wells.....	2,368,395	2,308,634	2,217,752	2,151,247	2,127,166
Total.....	14,118,044	14,268,078	14,042,539	14,267,912	14,229,773
Repressuring	392,235	363,489	339,691	315,181	300,296
Nonhydrocarbon Gases Removed.....	184,258	196,463	200,233	238,897	263,397
Wet After Lease Separation	13,541,551	13,708,126	13,502,615	13,713,835	13,666,080
Vented and Flared.....	54,476	62,040	65,225	67,358	69,984
Marketed Production	13,487,075	13,646,086	13,437,390	13,646,477	13,596,096
Extraction Loss.....	617,868	611,720	623,178	639,141	638,566
Total Dry Production.....	12,869,207	13,034,366	12,814,212	13,007,336	12,957,530
Supply (million cubic feet)					
Dry Production.....	12,869,207	13,034,366	12,814,212	13,007,336	12,957,530
Receipts at Region Borders					
Imports	32,468	24,899	11,871	20,904	47,838
Intransit Receipts	0	0	0	0	0
Interregion Receipts	186,693	285,147	603,963	685,326	565,137
Withdrawals from Storage					
Underground Storage.....	599,196	569,247	683,367	777,144	745,289
LNG Storage	32,077	18,320	4,780	7,141	28,313
Supplemental Gas Supplies.....	3	1	1	0	0
Balancing Item.....	-67,043	234,696	214,926	426,215	416,409
Total Supply.....	13,652,600	14,166,676	14,333,119	14,924,066	14,760,516

See footnotes at end of table.

Table 41. Summary Statistics for Natural Gas — West South Central, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	6,129,673	6,106,594	6,345,624	6,493,419	6,432,894
Deliveries at Region Borders					
Exports	36,423	44,041	61,241	30,435	34,163
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	6,853,273	7,336,522	7,336,718	7,713,910	7,509,250
Additions to Storage					
Underground Storage	602,502	661,623	584,476	679,286	753,733
LNG Storage	30,730	17,895	5,061	7,016	30,477
Total Disposition	13,652,600	14,166,676	14,333,119	14,924,066	14,760,516
Consumption (million cubic feet)					
Lease Fuel	345,514	339,889	363,681	364,921	358,566
Pipeline Fuel	174,630	196,927	188,684	189,412	191,359
Plant Fuel	279,995	261,325	265,934	257,961	259,046
Delivered to Consumers					
Residential	412,313	377,151	368,826	408,861	401,887
Commercial	270,908	268,326	300,465	281,452	316,473
Industrial	3,154,777	3,158,342	3,300,803	3,528,911	3,417,784
Vehicle Fuel	189	227	169	183	142
Electric Utilities	1,491,347	1,504,407	1,557,062	1,461,718	1,487,637
Total Delivered to Consumers	5,329,533	5,308,454	5,527,325	5,681,125	5,623,923
Total Consumption	6,129,673	6,106,594	6,345,624	6,493,419	6,432,894
Delivered for the Account of Others (million cubic feet)					
Residential	2	0	3	9	9
Commercial	35,390	37,812	73,373	38,635	94,445
Industrial	2,157,426	2,344,856	2,419,476	2,961,871	2,936,169
Electric Utilities	888,534	992,094	979,294	932,954	857,320
Firm Deliveries (million cubic feet)					
Residential	412,313	376,859	368,824	408,861	401,887
Commercial	241,098	241,726	232,272	254,784	291,645
Industrial	1,748,944	1,852,643	2,056,842	2,135,140	1,992,852
Electric Utilities	681,236	767,092	716,841	729,935	733,725
Vehicle Fuel	83	33	142	178	140
Interruptible Deliveries (million cubic feet)					
Residential	0	292	2	0	0
Commercial	29,810	26,600	68,193	26,668	24,827
Industrial	1,405,833	1,305,698	1,243,961	1,393,771	1,424,932
Electric Utilities	587,119	610,088	653,225	565,331	483,347
Vehicle Fuel	106	194	27	5	2
Number of Consumers					
Residential	5,643,699	5,662,325	5,791,464	5,854,303	5,922,727
Commercial	510,704	519,875	542,563	548,533	553,044
Industrial	11,691	11,229	14,637	14,571	13,515
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	73	67	64	70	68
Commercial	530	516	554	513	572
Industrial	269,847	281,267	225,511	242,187	252,888
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.09	1.94	1.60	2.32	2.44
Imports	1.71	1.79	1.67	2.24	2.52
Exports	2.10	1.68	1.49	2.13	2.46
Pipeline Fuel	1.98	1.57	1.57	2.41	2.45
City Gate	3.02	2.82	2.73	3.08	3.44
Delivered to Consumers					
Residential	5.69	5.90	5.82	5.96	6.45
Commercial	4.54	4.53	4.26	4.58	5.17
Industrial	2.44	2.21	1.90	2.67	2.89
Vehicle Fuel	2.83	2.60	2.54	2.66	2.87
Electric Utilities	2.55	2.25	1.96	2.63	2.73

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

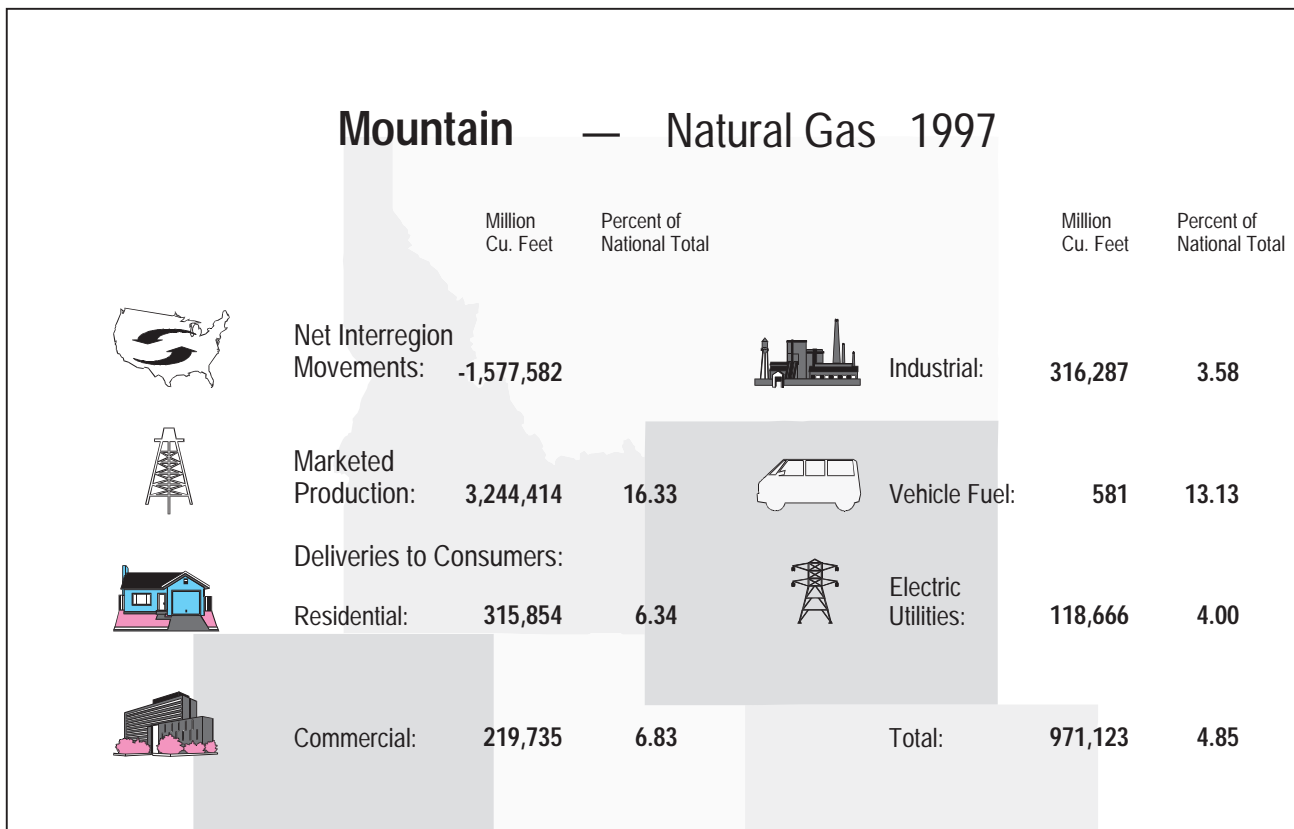


Table 42. Summary Statistics for Natural Gas — Mountain, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	38,987	37,366	39,275	38,944	38,505
Number of Gas and Gas Condensate Wells					
Producing at End of Year	34,975	38,539	38,775	41,236	49,573
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	2,723,393	3,046,159	3,131,205	3,166,689	3,333,043
From Oil Wells.....	535,884	472,397	503,986	505,903	513,267
Total.....	3,259,277	3,518,556	3,635,191	3,672,592	3,846,311
Repressuring	246,467	213,297	183,504	158,953	146,868
Nonhydrocarbon Gases Removed.....	153,992	141,220	149,005	241,953	292,008
Wet After Lease Separation	2,858,817	3,164,039	3,302,682	3,271,686	3,407,435
Vented and Flared.....	132,899	135,082	187,861	177,255	163,021
Marketed Production	2,725,918	3,028,956	3,114,821	3,094,431	3,244,414
Extraction Loss.....	145,010	154,116	161,227	191,503	205,511
Total Dry Production.....	2,580,908	2,874,840	2,953,594	2,902,928	3,038,903
Supply (million cubic feet)					
Dry Production.....	2,580,908	2,874,840	2,953,594	2,902,928	3,038,903
Receipts at Region Borders					
Imports	1,023,020	1,258,926	1,393,874	1,418,625	1,429,481
Intransit Receipts	0	0	0	0	0
Interregion Receipts	245,976	253,000	363,540	346,591	357,269
Withdrawals from Storage					
Underground Storage.....	153,333	100,699	118,287	146,490	134,266
LNG Storage	1,583	644	661	770	1,050
Supplemental Gas Supplies.....	8,493	8,177	7,170	6,787	6,314
Balancing Item.....	-73,696	-92,850	-307,718	-226,296	-247,023
Total Supply.....	3,939,617	4,403,436	4,529,409	4,595,896	4,720,259

See footnotes at end of table.

Table 42. Summary Statistics for Natural Gas — Mountain, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	1,052,537	1,084,170	1,106,003	1,162,821	1,227,357
Deliveries at Region Borders					
Exports	3,359	5,546	42	3,405	3,901
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	2,755,591	3,195,395	3,308,568	3,316,341	3,360,431
Additions to Storage					
Underground Storage	126,487	117,530	114,133	112,421	127,427
LNG Storage	1,643	796	663	817	1,143
Total Disposition	3,939,617	4,403,436	4,529,409	4,595,805	4,720,259
Consumption (million cubic feet)					
Lease Fuel	38,788	40,453	52,924	55,623	58,352
Pipeline Fuel	104,650	112,003	107,495	76,874	115,540
Plant Fuel	71,320	72,888	73,571	102,870	82,343
Delivered to Consumers					
Residential	284,231	272,805	274,405	299,923	315,854
Commercial	202,073	197,515	197,993	210,381	219,735
Industrial	270,297	285,475	295,227	311,229	316,287
Vehicle Fuel	147	312	462	442	581
Electric Utilities	81,032	102,719	103,926	105,479	118,666
Total Delivered to Consumers	837,780	858,826	872,014	927,454	971,123
Total Consumption	1,052,537	1,084,170	1,106,003	1,162,821	1,227,357
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	218	846	935
Commercial	19,868	26,075	29,185	33,154	33,625
Industrial	232,886	248,307	261,683	280,217	272,775
Electric Utilities	79,378	101,179	98,471	95,111	100,792
Firm Deliveries (million cubic feet)					
Residential	284,231	272,805	274,405	299,923	315,854
Commercial	192,106	180,906	186,182	198,451	203,962
Industrial	135,846	139,031	156,723	181,762	188,260
Electric Utilities	61,360	87,257	93,140	95,137	102,001
Vehicle Fuel	136	287	452	428	569
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	9,967	16,610	11,811	11,930	15,772
Industrial	134,450	146,445	138,505	129,467	128,027
Electric Utilities	20,740	17,839	9,177	4,647	5,677
Vehicle Fuel	11	24	11	14	12
Number of Consumers					
Residential	3,295,742	3,432,387	3,578,020	3,746,952	3,881,774
Commercial	326,468	331,808	337,499	344,111	350,732
Industrial	2,903	3,895	4,712	5,861	9,130
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	86	79	77	80	81
Commercial	619	595	587	611	627
Industrial	93,109	73,293	62,654	53,102	34,643
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.80	1.65	1.31	1.78	2.01
Imports	1.84	1.55	1.06	1.49	1.82
Exports	1.11	1.56	1.53	1.92	2.38
Pipeline Fuel	1.80	1.57	1.24	1.70	2.02
City Gate	2.77	2.99	2.44	2.56	2.89
Delivered to Consumers					
Residential	5.17	5.47	5.32	4.91	5.43
Commercial	4.33	4.61	4.45	4.02	4.36
Industrial	2.84	2.88	3.08	3.04	3.41
Vehicle Fuel	4.11	4.19	3.99	3.99	4.29
Electric Utilities	2.48	2.09	1.74	2.34	2.50

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

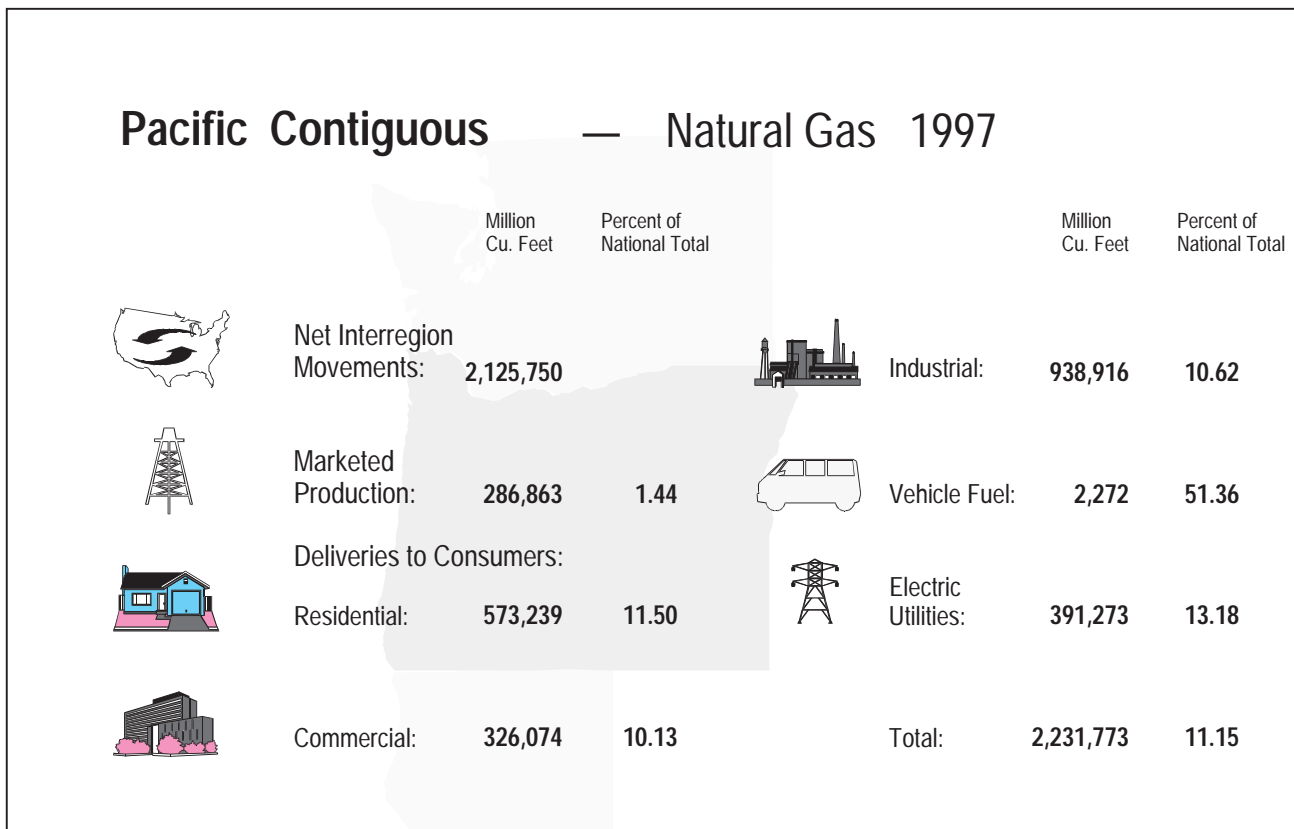


Table 43. Summary Statistics for Natural Gas — Pacific Contiguous, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	3,781	3,572	3,508	2,082	2,273
Number of Gas and Gas Condensate Wells					
Producing at End of Year	1,110	1,280	1,014	996	947
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	124,207	117,725	96,329	88,173	80,182
From Oil Wells.....	285,162	282,227	289,430	313,581	318,852
Total.....	409,370	399,952	385,759	401,754	399,034
Repressuring	87,806	84,424	101,556	111,356	110,177
Nonhydrocarbon Gases Removed.....	1,130	2,050	1,475	1,196	405
Wet After Lease Separation	320,434	313,478	282,728	289,201	288,453
Vented and Flared.....	580	830	1,250	1,268	1,590
Marketed Production	319,854	312,648	281,478	287,933	286,863
Extraction Loss.....	12,053	11,250	11,509	12,169	11,600
Total Dry Production.....	307,801	301,398	269,969	275,764	275,263
Supply (million cubic feet)					
Dry Production.....	307,801	301,398	269,969	275,764	275,263
Receipts at Region Borders					
Imports	306,030	320,362	335,866	356,711	360,261
Intransit Receipts	0	0	0	0	0
Interregion Receipts	1,790,517	2,038,261	1,892,995	1,768,560	1,910,665
Withdrawals from Storage					
Underground Storage.....	159,406	173,214	135,973	182,920	185,809
LNG Storage	9,283	2,911	2,803	3,345	3,096
Supplemental Gas Supplies.....	7	3	2	2	2
Balancing Item.....	-21,678	-102,843	-36,926	-113,391	-65,233
Total Supply.....	2,551,365	2,733,305	2,600,682	2,473,912	2,669,863

See footnotes at end of table.

Table 43. Summary Statistics for Natural Gas — Pacific Contiguous, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	2,310,388	2,482,502	2,291,405	2,214,558	2,349,765
Deliveries at Region Borders					
Exports	0	0	0	0	308
Intransit Deliveries	0	0	0	0	0
Interregion Deliveries	55,747	67,018	139,367	126,110	144,868
Additions to Storage					
Underground Storage	180,913	180,572	166,574	128,778	171,788
LNG Storage	4,318	3,213	2,731	3,013	3,134
Total Disposition	2,551,365	2,733,305	2,600,077	2,472,460	2,669,863
Consumption (million cubic feet)					
Lease Fuel	80,329	63,347	62,226	63,337	69,386
Pipeline Fuel	20,906	24,357	34,835	33,091	43,810
Plant Fuel	7,096	6,388	4,287	4,520	4,796
Delivered to Consumers					
Residential	584,003	602,951	558,326	569,235	573,239
Commercial	317,950	327,931	343,749	308,804	326,074
Industrial	812,614	826,923	866,822	895,529	938,916
Vehicle Fuel	363	723	970	1,402	2,272
Electric Utilities	487,127	629,883	420,191	338,640	391,273
Total Delivered to Consumers	2,202,057	2,388,411	2,190,057	2,113,610	2,231,773
Total Consumption	2,310,388	2,482,502	2,291,405	2,214,558	2,349,765
Delivered for the Account of Others (million cubic feet)					
Residential	3,700	3,507	2,848	3,472	3,623
Commercial	60,956	136,770	137,416	113,757	133,654
Industrial	583,061	643,271	729,345	780,456	832,142
Electric Utilities	359,692	585,194	389,161	283,653	328,692
Firm Deliveries (million cubic feet)					
Residential	584,003	602,951	558,326	569,235	573,239
Commercial	298,075	279,164	293,771	258,515	273,752
Industrial	645,712	467,014	481,650	534,304	572,318
Electric Utilities	431,820	316,671	371,054	170,202	24,131
Vehicle Fuel	340	607	880	1,302	2,172
Interruptible Deliveries (million cubic feet)					
Residential	0	0	0	0	0
Commercial	19,875	48,767	49,977	50,289	52,322
Industrial	166,902	359,909	385,172	361,225	366,598
Electric Utilities	47,427	308,741	57,542	157,084	353,479
Vehicle Fuel	23	116	90	100	100
Number of Consumers					
Residential	9,662,813	9,786,893	9,915,609	10,076,303	10,220,134
Commercial	529,368	532,958	537,725	539,615	542,772
Industrial	46,892	43,101	42,792	40,999	41,005
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	60	62	56	56	56
Commercial	601	615	639	572	601
Industrial	17,329	19,186	20,257	21,843	22,898
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.37	1.50	1.72	1.82	2.41
Imports	1.81	1.79	1.23	1.43	1.69
Exports	—	—	—	—	3.15
Pipeline Fuel	0.97	1.09	1.36	1.69	1.65
City Gate	2.77	2.58	2.08	2.55	2.91
Delivered to Consumers					
Residential	6.15	6.35	6.39	6.35	6.65
Commercial	5.70	6.46	5.88	5.57	5.85
Industrial	2.93	3.21	3.41	3.43	3.77
Vehicle Fuel	4.63	4.85	5.53	4.56	4.48
Electric Utilities	3.03	2.54	2.27	2.73	3.02

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); 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 1997




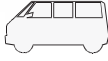



	Million Cu. Feet	Percent of National Total		Million Cu. Feet	Percent of National Total
 Net Interregion Movements:	-62,187		 Industrial:	73,941	0.84
 Marketed Production:	468,311	2.36	 Vehicle Fuel:	0	0.00
Deliveries to Consumers:			 Electric Utilities:	33,511	1.13
 Residential:	15,664	0.31			
 Commercial:	28,660	0.89	Total:	151,776	0.76

Table 44. Summary Statistics for Natural Gas — Pacific Noncontiguous, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	9,907	9,733	9,497	9,294	10,562
Number of Gas and Gas Condensate Wells					
Producing at End of Year	113	104	100	102	141
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	190,139	180,639	179,470	183,747	179,534
From Oil Wells.....	2,588,202	2,905,261	3,190,433	3,189,837	3,201,416
Total	2,778,341	3,085,900	3,369,904	3,373,584	3,380,950
Repressuring	2,325,506	2,517,259	2,891,618	2,885,686	2,904,370
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	452,835	568,642	478,285	487,897	476,580
Vented and Flared.....	22,485	13,240	8,736	7,070	8,269
Marketed Production	430,350	555,402	469,550	480,828	468,311
Extraction Loss.....	32,257	30,945	35,052	38,453	41,535
Total Dry Production.....	398,093	524,457	434,498	442,375	426,776
Supply (million cubic feet)					
Dry Production.....	398,093	524,457	434,498	442,375	426,776
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.....	2,705	2,831	2,793	2,761	2,617
Balancing Item.....	36,112	-94,604	60,995	73,907	60,792
Total Supply.....	436,910	432,685	498,286	519,043	490,185

See footnotes at end of table.

Table 44. Summary Statistics for Natural Gas — Pacific Noncontiguous, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	380,922	370,003	433,003	451,395	427,997
Deliveries at Region Borders					
Exports	55,989	62,682	65,283	67,648	62,187
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	436,910	432,685	498,286	519,043	490,185
Consumption (million cubic feet)					
Lease Fuel.....	202,199	200,809	253,695	255,500	230,578
Pipeline Fuel.....	2,859	3,024	2,425	2,012	4,938
Plant Fuel	35,503	37,347	39,116	40,334	40,706
Delivered to Consumers					
Residential.....	14,415	15,473	15,805	16,720	15,664
Commercial	22,126	22,898	27,178	29,447	28,660
Industrial.....	75,795	61,404	64,977	75,616	73,941
Vehicle Fuel.....	0	0	0	0	0
Electric Utilities.....	28,025	29,048	29,809	31,767	33,511
Total Delivered to Consumers	140,361	128,823	137,768	153,549	151,776
Total Consumption.....	380,922	370,003	433,003	451,395	427,997
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	0	5,019	9,990	12,241
Industrial.....	22,258	25,523	31,112	27,026	1,609
Electric Utilities	7,693	8,368	8,990	9,116	10,972
Firm Deliveries (million cubic feet)					
Residential.....	14,415	15,473	15,805	16,720	15,664
Commercial	21,781	22,535	26,835	28,851	28,660
Industrial.....	73,574	57,618	61,463	72,757	72,058
Electric Utilities	25,934	27,541	29,023	30,163	33,754
Vehicle Fuel.....	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	344	363	343	596	0
Industrial.....	2,221	3,786	3,515	2,859	1,883
Electric Utilities	676	706	664	661	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	105,826	108,284	109,966	112,365	114,586
Commercial	15,581	15,280	15,409	15,555	15,728
Industrial.....	11	11	9	202	34
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	136	143	144	149	137
Commercial	1,420	1,499	1,764	1,893	1,822
Industrial.....	6,890,453	5,582,184	7,219,705	374,337	2,174,737
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.42	1.27	1.64	1.61	1.82
Imports	—	—	—	—	—
Exports	3.34	3.18	3.41	3.65	3.85
Pipeline Fuel.....	1.11	1.11	1.24	1.17	1.34
City Gate	4.02	1.88	1.99	1.98	2.28
Delivered to Consumers					
Residential.....	4.49	4.09	4.13	3.95	4.37
Commercial	3.75	3.43	3.33	3.64	3.86
Industrial.....	1.29	1.42	1.45	1.41	1.58
Vehicle Fuel.....	—	—	—	—	—
Electric Utilities.....	0.64	0.72	1.29	1.45	1.74

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); 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 offshore Louisiana.

Table 45. Percent Distribution of Natural Gas Supply and Disposition by State, 1997

State	Estimated Proved Reserves (dry)	Marketed Production	Total Consumption
Alabama.....	2.97	2.94	1.47
Alaska.....	6.32	2.36	1.94
Arizona.....	NA	0	0.60
Arkansas.....	0.88	1.05	1.20
California.....	1.36	1.44	8.86
Colorado.....	4.08	3.21	1.39
Connecticut.....	0	0	0.62
D.C.....	0	0	0.16
Delaware.....	0	0	0.21
Florida.....	0.06	0.03	2.21
Georgia.....	0	0	1.65
Hawaii.....	0	0	0.01
Idaho.....	0	0	0.30
Illinois.....	NA	0	4.90
Indiana.....	NA	0	2.54
Iowa.....	0	0	1.16
Kansas.....	4.18	3.46	1.52
Kentucky.....	0.82	0.40	1.04
Louisiana.....	5.78	26.33	7.55
Maine.....	0	0	0.03
Maryland.....	NA	0	0.94
Massachusetts.....	0	0	1.73
Michigan.....	1.31	1.54	4.46
Minnesota.....	0	0	1.61
Mississippi.....	0.35	0.54	1.16
Missouri.....	NA	0	1.29
Montana.....	0.46	0.26	0.27
Nebraska.....	NA	0.01	0.60
Nevada.....	0	0	0.59
New Hampshire.....	0	0	0.10
New Jersey.....	0	0	2.83
New Mexico.....	9.28	7.85	1.22
New York.....	0.13	0.08	5.59
North Carolina.....	0	0	0.98
North Dakota.....	0.29	0.26	0.26
Ohio.....	0.59	0.59	4.09
Oklahoma.....	NA	8.58	2.55
Oregon.....	0	0.01	0.78
Pennsylvania.....	1.11	0.40	3.16
Rhode Island.....	0	0	0.38
South Carolina.....	0	0	0.70
South Dakota.....	NA	0	0.16
Tennessee.....	NA	0.01	1.29
Texas.....	22.58	32.49	17.98
Utah.....	1.10	1.29	0.75
Vermont.....	0	0	0.04
Virginia.....	1.46	0.29	1.10
Washington.....	0	0	1.05
West Virginia.....	1.70	0.87	0.72
Wisconsin.....	0	0	1.82
Wyoming.....	8.11	3.72	0.46

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, 1997

State	Residential	Commercial	Industrial	Vehicle Fuel	Electric Utilities
Alabama	0.97	1.01	2.28	0.06	0.34
Alaska	0.30	0.84	0.83	—	1.13
Arizona	0.62	0.94	0.32	3.44	0.79
Arkansas	0.85	0.92	1.67	0.05	0.84
California	9.61	7.89	8.34	47.94	12.73
Colorado.....	2.32	2.15	0.83	0.30	0.19
Connecticut	0.81	1.32	0.39	1.26	0.57
D.C.	0.32	0.56	—	0.13	—
Delaware	0.18	0.21	0.17	0.05	0.54
Florida	0.26	1.14	1.48	1.45	10.00
Georgia	2.30	1.78	1.98	0.17	0.25
Hawaii	0.01	0.05	—	—	—
Idaho	0.31	0.36	0.40	0.81	—
Illinois	9.98	6.30	3.59	0.46	1.50
Indiana	3.39	2.54	3.29	1.37	0.17
Iowa.....	1.64	1.56	1.22	0.06	0.14
Kansas	1.39	1.28	1.27	0.03	0.87
Kentucky	1.33	1.20	1.08	0.12	0.07
Louisiana.....	1.06	0.80	11.36	0.36	9.34
Maine.....	0.02	0.08	0.03	—	—
Maryland	1.56	1.55	0.75	1.29	0.37
Massachusetts	2.25	3.29	1.23	0.11	1.73
Michigan.....	7.62	5.97	3.83	0.95	1.12
Minnesota.....	2.59	2.87	1.21	0.70	0.21
Mississippi.....	0.55	0.69	0.95	0.08	2.46
Missouri.....	2.56	2.17	0.81	0.91	0.25
Montana	0.42	0.43	0.21	0.35	0.01
Nebraska	0.95	1.05	0.50	—	0.09
Nevada	0.51	0.68	0.33	1.48	1.74
New Hampshire.....	0.14	0.23	0.07	—	0.02
New Jersey	4.35	5.24	2.29	0.02	1.00
New Mexico.....	0.74	0.97	0.46	3.58	1.12
New York.....	7.54	9.97	3.46	13.20	7.33
North Carolina.....	1.06	1.18	1.26	—	0.15
North Dakota	0.23	0.34	0.23	0.11	—
Ohio.....	7.11	5.71	3.80	5.98	0.12
Oklahoma	1.44	1.40	2.34	2.48	4.34
Oregon	0.65	0.79	1.02	0.78	0.36
Pennsylvania.....	5.27	4.48	2.69	1.14	0.25
Rhode Island.....	0.36	0.38	0.28	0.08	0.92
South Carolina	0.52	0.61	1.16	0.02	0.09
South Dakota	0.27	0.32	0.08	0.10	0.06
Tennessee	1.29	1.71	1.57	0.28	0.06
Texas.....	4.72	6.72	23.28	0.34	35.59
Utah.....	1.17	0.97	0.50	2.89	0.14
Vermont.....	0.05	0.10	0.03	—	—
Virginia	1.48	1.92	0.96	0.84	0.39
Washington	1.24	1.45	1.26	2.62	0.09
West Virginia	0.72	0.81	0.65	0.13	0.01
Wisconsin.....	2.73	2.76	1.76	1.23	0.53
Wyoming	0.26	0.33	0.53	0.28	—

— = 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."





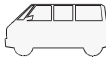



Alabama		— Natural Gas 1997			
	Million Cu. Feet	Percent of National Total		Million Cu. Feet	Percent of National Total
					
 Net Interstate Movements:	-185,705		 Industrial:	201,240	2.28
 Marketed Production:	583,272	2.94	 Vehicle Fuel:	2	0.05
Deliveries to Consumers:			 Electric Utilities:	9,996	0.34
 Residential:	48,496	0.97			
 Commercial:	32,360	1.01	Total:	292,093	1.46

Table 47. Summary Statistics for Natural Gas — Alabama, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31 ^a	5,140	4,830	4,868	5,033	4,968
Number of Gas and Gas Condensate Wells					
Producing at End of Year	3,514	3,565	3,526	4,105	4,156
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	435,066	566,141	568,190	570,907	619,302
From Oil Wells.....	11,255	12,722	11,935	11,394	10,463
Total	446,321	578,863	580,125	582,301	629,765
Repressuring	31,179	33,961	30,949	22,601	17,724
Nonhydrocarbon Gases Removed.....	25,320	26,980	26,580	27,006	27,205
Wet After Lease Separation	389,822	517,922	522,596	532,694	584,836
Vented and Flared.....	1,798	2,650	2,935	1,853	1,563
Marketed Production	388,024	515,272	519,661	530,841	583,272
Extraction Loss.....	5,589	5,647	5,273	5,361	4,637
Total Dry Production	382,435	509,625	514,388	525,480	578,635
Supply (million cubic feet)					
Dry Production.....	382,435	509,625	514,388	525,480	578,635
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,849,645	2,715,849	3,253,871	3,231,927	3,063,122
Withdrawals from Storage					
Underground Storage.....	0	55	1,448	2,125	1,860
LNG Storage	396	497	688	1,282	535
Supplemental Gas Supplies.....	410	69	*	18	21
Balancing Item.....	-35,767	-46,633	-57,782	-35,808	-70,095
Total Supply	3,197,119	3,179,462	3,712,613	3,725,024	3,574,079

See footnotes at end of table.

Table 47. Summary Statistics for Natural Gas — Alabama, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	292,346	288,863	321,577	325,542	322,270
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	2,904,162	2,888,962	3,389,137	3,395,153	3,248,827
Additions to Storage					
Underground Storage	0	694	1,375	3,349	2,022
LNG Storage	612	944	524	979	960
Total Disposition	3,197,119	3,179,462	3,712,613	3,725,024	3,574,079
Consumption (million cubic feet)					
Lease Fuel	8,912	9,381	10,468	10,492	7,020
Pipeline Fuel	15,559	14,904	20,064	19,139	20,689
Plant Fuel	4,453	3,747	3,806	2,827	2,468
Delivered to Consumers					
Residential	51,366	49,748	49,570	56,522	48,496
Commercial	25,723	25,526	26,228	29,000	32,360
Industrial	181,692	181,718	204,060	201,414	201,240
Vehicle Fuel	4	3	4	2	2
Electric Utilities	4,636	3,834	7,377	6,146	9,996
Total Delivered to Consumers	263,421	260,830	287,239	293,084	292,093
Total Consumption	292,346	288,863	321,577	325,542	322,270
Delivered for the Account of Others (million cubic feet)					
Residential	2	0	0	0	0
Commercial	4,950	5,043	5,213	5,470	11,432
Industrial	131,817	132,073	156,374	155,962	151,727
Electric Utilities	2,753	3,271	7,441	5,101	11,194
Firm Deliveries (million cubic feet)					
Residential	51,366	49,748	49,570	56,522	48,496
Commercial	21,280	21,008	21,484	25,728	23,122
Industrial	56,379	71,344	87,327	89,299	123,218
Electric Utilities	33	83	3,186	3,511	3,850
Vehicle Fuel	4	3	4	2	2
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	4,443	4,518	4,744	3,272	9,237
Industrial	125,313	110,374	116,732	112,115	78,021
Electric Utilities	4,483	3,569	4,671	1,973	7,866
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	730,114	744,394	751,890	766,322	781,711
Commercial	57,827	60,320	60,902	62,064	65,919
Industrial	2,458	2,477	2,491	2,512	2,496
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	70	67	66	74	62
Commercial	445	423	431	467	491
Industrial	73,919	73,362	81,919	80,181	80,625
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.46	2.17	1.82	2.62	2.67
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.34	2.13	1.93	2.63	2.95
City Gate	3.51	3.44	2.89	3.48	3.65
Delivered to Consumers					
Residential	7.10	7.41	6.86	7.22	8.35
Commercial	6.19	6.38	5.80	6.19	6.98
Industrial	3.28	3.26	2.96	3.64	3.65
Vehicle Fuel	4.60	4.24	3.51	2.92	2.42
Electric Utilities	2.65	2.37	2.01	2.95	2.86

^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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

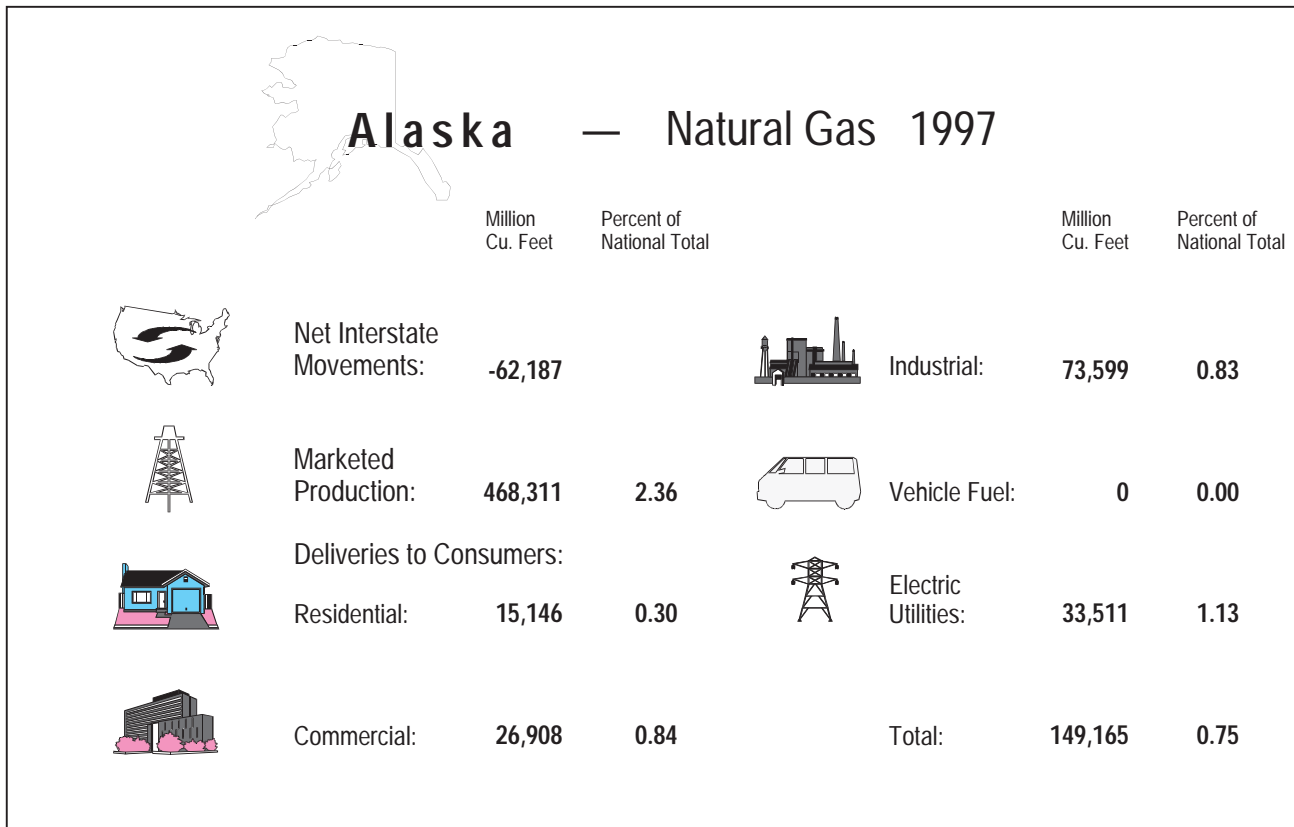


Table 48. Summary Statistics for Natural Gas — Alaska, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	9,907	9,733	9,497	9,294	10,562
Number of Gas and Gas Condensate Wells					
Producing at End of Year	113	104	100	102	141
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	190,139	180,639	179,470	183,747	179,534
From Oil Wells.....	2,588,202	2,905,261	3,190,433	3,189,837	3,201,416
Total.....	2,778,341	3,085,900	3,369,904	3,373,584	3,380,950
Repressuring.....	2,325,506	2,517,259	2,891,618	2,885,686	2,904,370
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	452,835	568,642	478,285	487,897	476,580
Vented and Flared.....	22,485	13,240	8,736	7,070	8,269
Marketed Production	430,350	555,402	469,550	480,828	468,311
Extraction Loss.....	32,257	30,945	35,052	38,453	41,535
Total Dry Production.....	398,093	524,457	434,498	442,375	426,776
Supply (million cubic feet)					
Dry Production.....	398,093	524,457	434,498	442,375	426,776
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.....	36,136	-94,550	61,016	73,996	60,798
Total Supply.....	434,229	429,907	495,514	516,370	487,574

See footnotes at end of table.

Table 48. Summary Statistics for Natural Gas — Alaska, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	378,241	367,225	430,231	448,722	425,387
Deliveries at State Borders					
Exports	55,989	62,682	65,283	67,648	62,187
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	434,229	429,907	495,514	516,370	487,574
Consumption (million cubic feet)					
Lease Fuel.....	202,199	200,809	253,695	255,500	230,578
Pipeline Fuel.....	2,859	3,024	2,425	2,012	4,938
Plant Fuel	35,503	37,347	39,116	40,334	40,706
Delivered to Consumers					
Residential.....	13,858	14,895	15,231	16,179	15,146
Commercial	20,003	20,698	24,979	27,315	26,908
Industrial.....	75,795	61,404	64,977	75,616	73,599
Vehicle Fuel.....	0	0	0	0	0
Electric Utilities.....	28,025	29,048	29,809	31,767	33,511
Total Delivered to Consumers	137,680	126,045	134,996	150,877	149,165
Total Consumption.....	378,241	367,225	430,231	448,722	425,387
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	0	0	5,019	9,990	12,241
Industrial.....	22,258	25,523	31,112	27,026	1,609
Electric Utilities	7,693	8,368	8,990	9,116	10,972
Firm Deliveries (million cubic feet)					
Residential.....	13,858	14,895	15,231	16,179	15,146
Commercial	20,003	20,698	24,979	26,986	26,908
Industrial.....	73,574	57,618	61,463	72,757	71,991
Electric Utilities	25,934	27,541	29,023	30,163	33,754
Vehicle Fuel.....	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	0	0	0	329	0
Industrial.....	2,221	3,786	3,515	2,859	1,609
Electric Utilities	676	706	664	661	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	75,842	77,670	79,474	81,348	83,596
Commercial	12,359	12,475	12,584	12,732	12,945
Industrial.....	11	11	9	202	7
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	183	192	192	199	181
Commercial	1,618	1,659	1,985	2,145	2,079
Industrial.....	6,890,453	5,582,184	7,219,705	374,337	10,514,186
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.42	1.27	1.64	1.61	1.82
Imports	—	—	—	—	—
Exports	3.34	3.18	3.41	3.65	3.85
Pipeline Fuel.....	1.11	1.11	1.24	1.17	1.34
City Gate	0.33	1.62	1.67	1.58	1.81
Delivered to Consumers					
Residential.....	3.96	3.60	3.63	3.42	3.77
Commercial	2.78	2.48	2.27	2.32	2.44
Industrial.....	1.29	1.42	1.45	1.41	1.54
Vehicle Fuel.....	—	—	—	—	—
Electric Utilities	0.64	0.72	1.29	1.45	1.74

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

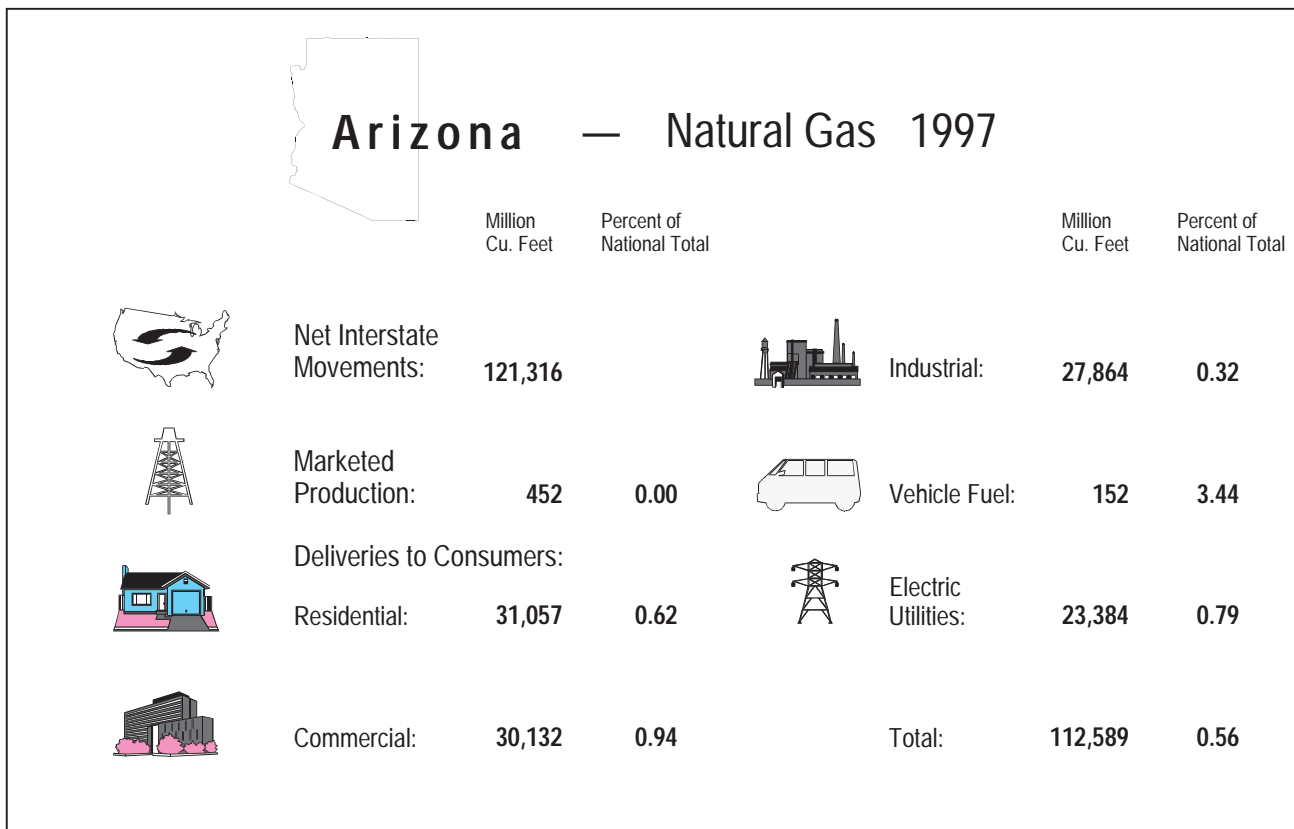


Table 49. Summary Statistics for Natural Gas — Arizona, 1993-1997

	1993	1994	1995	1996	1997
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	6	7	7	8
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	508	711	470	417	398
From Oil Wells.....	110	48	88	47	55
Total.....	618	759	558	464	453
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	618	759	558	464	453
Vented and Flared.....	21	8	0	0	1
Marketed Production	597	752	558	463	452
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	597	752	558	463	452
Supply (million cubic feet)					
Dry Production.....	597	752	558	463	452
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,270,649	1,234,695	994,103	883,918	969,669
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.....	-83,894	20,057	4,667	-19,994	9,469
Total Supply.....	1,187,352	1,255,504	999,327	864,387	979,590

See footnotes at end of table.

Table 49. Summary Statistics for Natural Gas — Arizona, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	114,806	133,497	120,126	120,350	131,237
Deliveries at State Borders					
Exports	3,253	2,459	42	3,405	3,901
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,069,293	1,119,548	879,159	740,632	844,452
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	1,187,352	1,255,504	999,327	864,387	979,590
Consumption (million cubic feet)					
Lease Fuel	49	61	57	58	51
Pipeline Fuel	17,339	24,919	18,338	17,254	18,597
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	28,161	29,684	26,893	27,709	31,057
Commercial	27,568	29,187	28,210	28,987	30,132
Industrial	21,164	25,869	27,663	26,979	27,864
Vehicle Fuel	44	61	118	115	152
Electric Utilities	20,480	23,716	18,846	19,248	23,384
Total Delivered to Consumers	97,417	108,517	101,731	103,037	112,589
Total Consumption	114,806	133,497	120,126	120,350	131,237
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	2,336	2,709	3,282	4,309	4,662
Industrial	15,868	18,035	20,825	21,670	20,873
Electric Utilities	29,866	33,188	25,867	26,662	31,829
Firm Deliveries (million cubic feet)					
Residential	28,161	29,684	26,893	27,709	31,057
Commercial	27,132	28,829	27,789	28,735	30,022
Industrial	20,121	24,898	26,501	25,456	27,392
Electric Utilities	27,219	32,636	25,575	26,624	31,972
Vehicle Fuel	44	61	118	115	152
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	436	357	421	252	110
Industrial	1,043	971	1,162	1,522	471
Electric Utilities	2,678	594	325	68	47
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	610,337	635,335	661,192	689,597	724,911
Commercial	47,678	48,568	49,145	49,693	50,115
Industrial	526	519	530	534	480
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	46	47	41	40	43
Commercial	578	601	574	583	601
Industrial	40,236	49,844	52,195	50,522	58,049
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.30	1.40	1.20	1.65	2.40
Imports	—	—	—	—	—
Exports	1.08	1.73	1.53	1.92	2.38
Pipeline Fuel	1.68	1.28	1.19	1.80	2.20
City Gate	2.62	2.53	2.10	2.78	3.15
Delivered to Consumers					
Residential	7.20	7.54	7.82	7.52	7.83
Commercial	5.06	5.27	5.25	5.02	5.32
Industrial	4.02	3.57	3.81	3.80	3.60
Vehicle Fuel	3.57	3.93	3.76	3.45	3.49
Electric Utilities	2.88	2.23	1.77	3.03	2.99

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

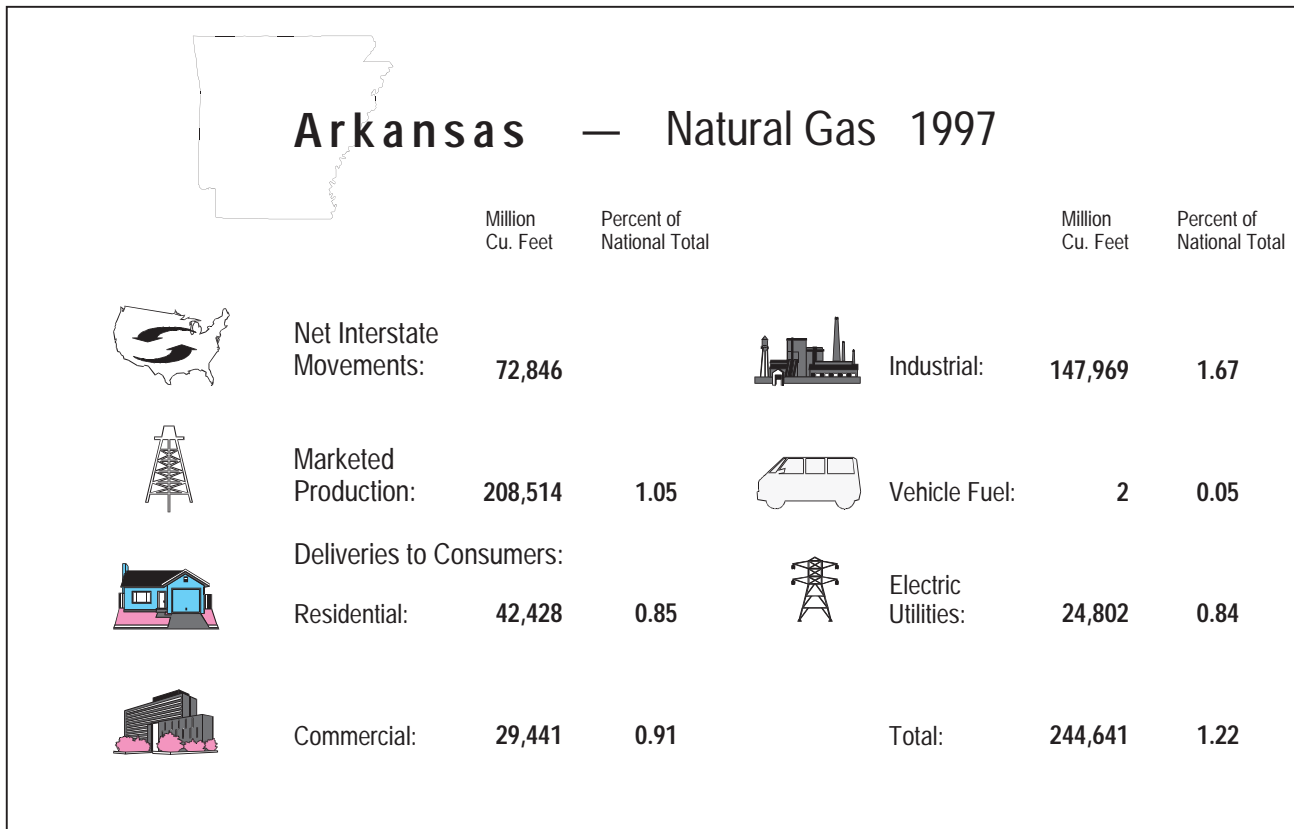


Table 50. Summary Statistics for Natural Gas — Arkansas, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,552	1,607	1,563	1,470	1,475
Number of Gas and Gas Condensate Wells					
Producing at End of Year	3,500	3,500	3,988	4,020	3,700
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	166,273	161,967	161,390	182,895	172,642
From Oil Wells.....	38,279	33,446	33,979	41,551	38,145
Total.....	204,552	195,413	195,369	224,446	210,787
Repressuring	7,773	7,426	7,815	2,354	2,139
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	196,779	187,986	187,554	222,092	208,648
Vented and Flared.....	409	313	313	270	134
Marketed Production	196,370	187,673	187,242	221,822	208,514
Extraction Loss.....	507	553	488	479	554
Total Dry Production.....	195,863	187,120	186,754	221,343	207,960
Supply (million cubic feet)					
Dry Production.....	195,863	187,120	186,754	221,343	207,960
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,384,562	2,865,799	2,614,855	2,810,961	2,872,118
Withdrawals from Storage					
Underground Storage.....	8,481	5,731	6,076	7,216	6,915
LNG Storage	44	68	56	85	68
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-4,044	-9,054	1,505	-24,500	-17,978
Total Supply.....	2,584,905	3,049,665	2,809,246	3,015,105	3,069,084

See footnotes at end of table.

Table 50. Summary Statistics for Natural Gas — Arkansas, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	231,201	244,425	257,068	270,661	263,089
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	2,353,378	2,801,918	2,546,781	2,737,292	2,799,272
Additions to Storage					
Underground Storage	272	3,249	5,368	7,152	6,665
LNG Storage	53	73	29	0	57
Total Disposition	2,584,905	3,049,665	2,809,246	3,015,105	3,069,084
Consumption (million cubic feet)					
Lease Fuel	6,053	4,283	5,083	5,124	6,349
Pipeline Fuel	9,662	11,840	11,445	12,501	11,591
Plant Fuel	352	467	468	451	508
Delivered to Consumers					
Residential	45,545	41,527	41,107	46,289	42,428
Commercial	28,998	27,407	27,409	31,006	29,441
Industrial	119,401	133,921	138,803	141,300	147,969
Vehicle Fuel	0	3	2	3	2
Electric Utilities	21,191	24,977	32,750	33,988	24,802
Total Delivered to Consumers	215,135	227,835	240,071	252,585	244,641
Total Consumption	231,201	244,425	257,068	270,661	263,089
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	2,393	1,351	1,104	1,550	1,699
Industrial	102,902	115,461	119,716	122,937	132,410
Electric Utilities	16,528	18,625	23,132	26,442	20,213
Firm Deliveries (million cubic feet)					
Residential	45,545	41,527	41,107	46,289	42,428
Commercial	28,043	23,651	23,336	26,647	25,142
Industrial	102,595	115,036	117,694	122,560	128,566
Electric Utilities	5,803	13,517	21,945	25,197	15,926
Vehicle Fuel	0	3	2	1	1
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	955	3,756	4,073	4,359	4,299
Industrial	16,806	18,884	21,109	18,740	19,403
Electric Utilities	11,859	5,903	2,108	2,684	5,151
Vehicle Fuel	0	0	0	2	1
Number of Consumers					
Residential	513,466	521,176	531,182	539,952	544,460
Commercial	62,952	63,821	65,490	67,293	68,413
Industrial	1,364	1,417	1,366	1,488	1,338
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	89	80	77	86	78
Commercial	461	429	419	461	430
Industrial	87,537	94,510	101,613	94,960	110,589
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.81	2.65	3.02	3.82	4.03
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.64	1.61	1.45	2.41	2.42
City Gate	2.66	2.54	2.32	2.76	3.23
Delivered to Consumers					
Residential	5.38	5.71	5.48	5.92	6.67
Commercial	4.42	4.58	4.09	4.68	5.23
Industrial	3.31	3.28	2.78	3.28	3.71
Vehicle Fuel	—	4.29	3.94	3.86	5.21
Electric Utilities	2.27	1.87	1.74	2.52	2.69

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" (1993 through 1995); Form EIA-895, "Monthly

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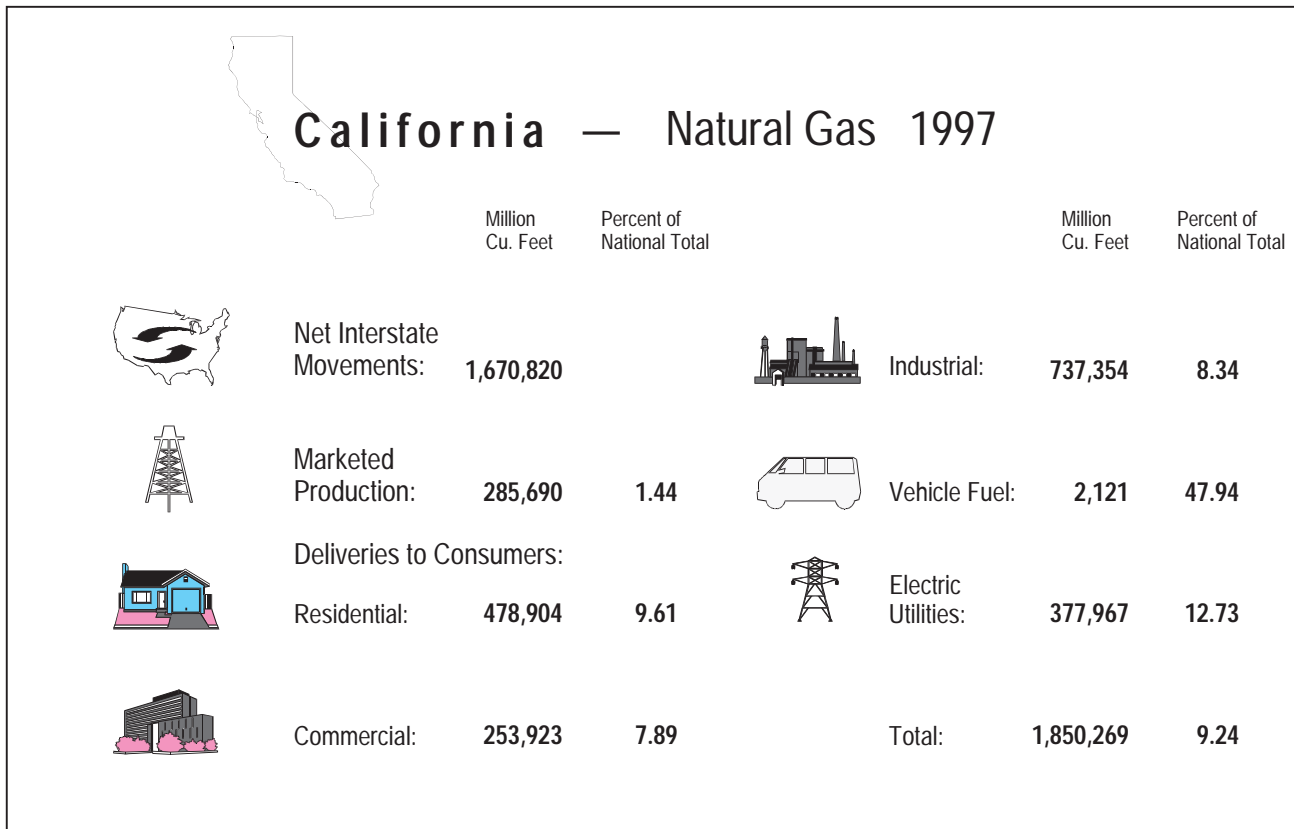


Table 51. Summary Statistics for Natural Gas — California, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	3,781	3,572	3,508	2,082	2,273
Number of Gas and Gas Condensate Wells					
Producing at End of Year	1,092	1,261	997	978	930
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	120,205	113,525	93,808	86,431	78,800
From Oil Wells.....	285,162	282,227	289,430	313,581	318,852
Total.....	405,367	395,752	383,238	400,011	397,652
Repressuring	87,806	84,369	101,513	111,317	110,134
Nonhydrocarbon Gases Removed.....	1,130	1,126	920	932	239
Wet After Lease Separation	316,431	310,257	280,805	287,763	287,280
Vented and Flared.....	580	830	1,250	1,268	1,590
Marketed Production	315,851	309,427	279,555	286,494	285,690
Extraction Loss.....	12,053	11,250	11,509	12,169	11,600
Total Dry Production.....	303,798	298,177	268,046	274,325	274,090
Supply (million cubic feet)					
Dry Production.....	303,798	298,177	268,046	274,325	274,090
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,654,143	1,887,149	1,690,530	1,547,503	1,671,128
Withdrawals from Storage					
Underground Storage.....	135,442	150,844	116,954	155,530	161,852
LNG Storage	37	94	72	50	109
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	38,123	-57,030	-6,140	-65,819	-14,363
Total Supply.....	2,131,545	2,279,233	2,069,462	1,911,589	2,092,816

See footnotes at end of table.

Table 51. Summary Statistics for Natural Gas — California, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	1,976,397	2,123,310	1,925,110	1,807,314	1,946,945
Deliveries at State Borders					
Exports	0	0	0	0	308
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	0	0	0	0	0
Additions to Storage					
Underground Storage.....	155,135	155,910	144,312	104,238	145,511
LNG Storage	13	13	39	37	51
Total Disposition	2,131,545	2,279,233	2,069,462	1,911,589	2,092,816
Consumption (million cubic feet)					
Lease Fuel.....	80,210	63,251	62,160	63,297	69,386
Pipeline Fuel.....	11,800	12,132	18,942	18,281	22,493
Plant Fuel.....	7,096	6,388	4,287	4,520	4,796
Delivered to Consumers					
Residential.....	500,968	520,959	477,495	473,310	478,904
Commercial.....	250,283	261,989	278,761	235,068	253,923
Industrial.....	659,723	656,751	687,921	693,539	737,354
Vehicle Fuel.....	255	550	846	1,264	2,121
Electric Utilities.....	466,061	601,290	394,698	318,035	377,967
Total Delivered to Consumers	1,877,290	2,041,539	1,839,721	1,721,217	1,850,269
Total Consumption.....	1,976,397	2,123,310	1,925,110	1,807,314	1,946,945
Delivered for the Account of Others (million cubic feet)					
Residential.....	3,700	3,507	2,848	3,472	3,623
Commercial.....	57,781	134,346	133,483	106,531	125,836
Industrial.....	485,326	537,503	604,196	622,182	671,397
Electric Utilities.....	342,457	556,557	367,940	263,937	315,728
Firm Deliveries (million cubic feet)					
Residential.....	500,968	520,959	477,495	473,310	478,904
Commercial.....	240,998	222,004	238,061	195,119	212,897
Industrial.....	582,492	399,736	411,695	397,828	436,602
Electric Utilities.....	416,941	288,054	350,235	151,550	11,167
Vehicle Fuel.....	255	529	846	1,264	2,121
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial.....	9,284	39,985	40,700	39,949	41,026
Industrial.....	77,232	257,015	276,226	295,711	300,752
Electric Utilities.....	45,071	308,720	57,141	156,020	353,479
Vehicle Fuel.....	0	21	0	0	0
Number of Consumers					
Residential.....	8,726,187	8,790,733	8,865,541	8,969,308	9,060,473
Commercial.....	411,648	411,140	411,535	408,294	406,803
Industrial.....	42,748	38,750	38,457	36,613	36,553
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	57	59	54	53	53
Commercial.....	608	637	677	576	624
Industrial.....	15,433	16,948	17,888	18,942	20,172
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.38	1.50	1.73	1.82	2.41
Imports	—	—	—	—	—
Exports	—	—	—	—	3.15
Pipeline Fuel.....	0.53	0.33	1.01	1.63	1.47
City Gate	2.85	2.57	2.03	2.59	2.98
Delivered to Consumers					
Residential.....	6.23	6.39	6.42	6.44	6.81
Commercial.....	6.03	7.12	6.21	5.96	6.43
Industrial.....	2.82	3.25	3.70	3.77	4.18
Vehicle Fuel.....	4.76	5.09	5.54	4.75	4.50
Electric Utilities.....	3.05	2.56	2.28	2.75	3.08

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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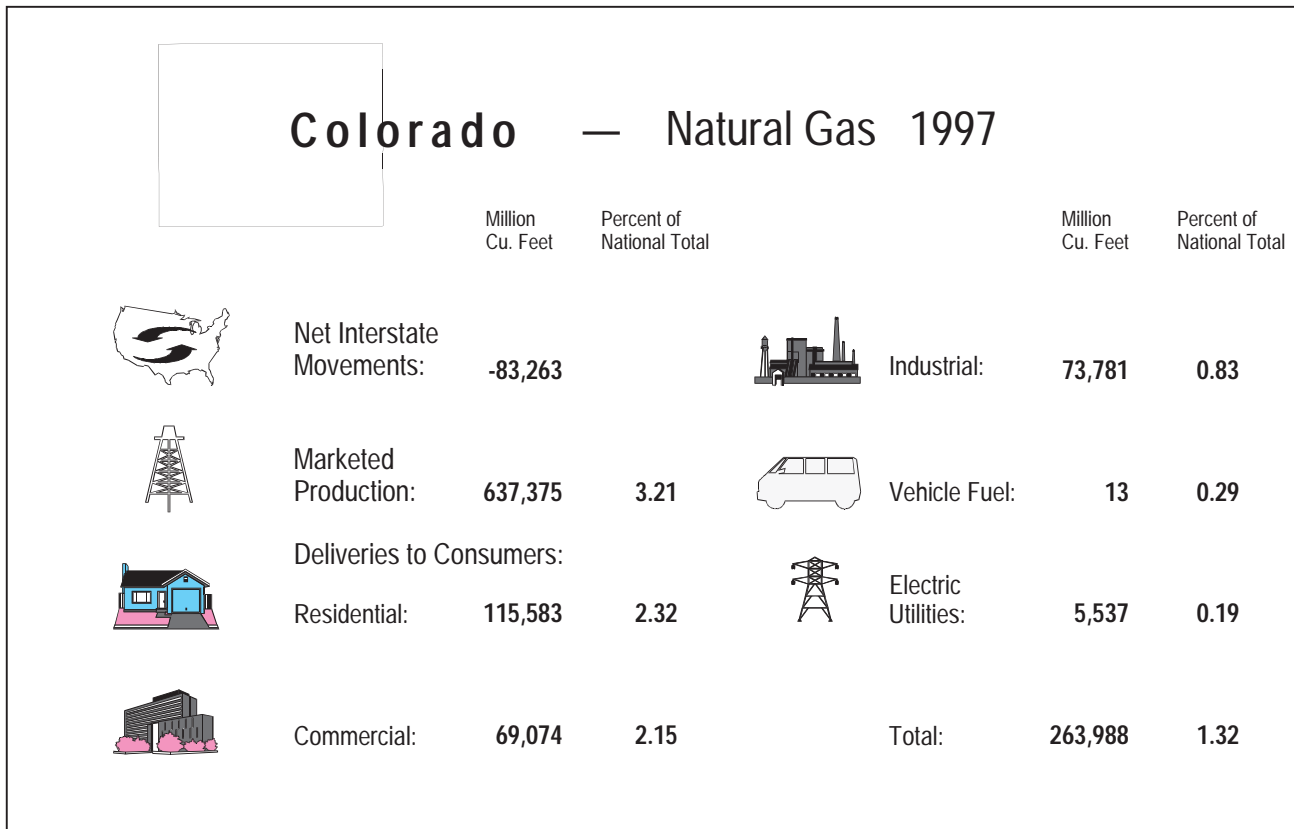


Table 52. Summary Statistics for Natural Gas — Colorado, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	6,722	6,753	7,256	7,710	6,828
Number of Gas and Gas Condensate Wells					
Producing at End of Year	6,372	7,056	7,017	8,251	12,433
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	320,849	365,651	436,663	488,292	550,765
From Oil Wells.....	93,155	101,379	102,970	95,724	95,960
Total.....	414,004	467,031	539,633	584,016	646,725
Repressuring	10,995	11,347	15,040	10,715	7,172
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	403,009	455,683	524,593	573,301	639,553
Vented and Flared.....	2,024	2,476	1,510	1,230	2,178
Marketed Production	400,985	453,207	523,084	572,071	637,375
Extraction Loss.....	18,658	19,612	25,225	23,362	28,851
Total Dry Production.....	382,327	433,595	497,859	548,709	608,524
Supply (million cubic feet)					
Dry Production.....	382,327	433,595	497,859	548,709	608,524
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	503,217	585,207	699,431	744,096	751,517
Withdrawals from Storage					
Underground Storage.....	54,294	30,085	36,565	36,804	38,864
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	8,456	8,168	7,170	6,787	6,314
Balancing Item.....	23,747	48,328	-73,329	-240,412	-225,105
Total Supply.....	972,040	1,105,383	1,167,696	1,095,985	1,180,114

See footnotes at end of table.

Table 52. Summary Statistics for Natural Gas — Colorado, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	284,185	275,761	283,591	307,367	305,945
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	636,724	798,437	844,388	750,810	834,780
Additions to Storage					
Underground Storage	51,132	31,185	39,717	37,808	39,389
LNG Storage	0	0	0	0	0
Total Disposition	972,040	1,105,383	1,167,696	1,095,985	1,180,114
Consumption (million cubic feet)					
Lease Fuel	12,969	11,865	11,570	12,598	17,150
Pipeline Fuel	7,617	9,998	11,280	10,869	12,371
Plant Fuel	11,863	12,482	13,560	14,894	12,435
Delivered to Consumers					
Residential	106,187	99,504	104,286	110,924	115,583
Commercial	71,647	65,870	66,639	68,914	69,074
Industrial	69,024	71,093	72,439	83,640	73,781
Vehicle Fuel	18	68	18	17	13
Electric Utilities	4,860	4,881	3,798	5,511	5,537
Total Delivered to Consumers	251,736	241,416	247,180	269,006	263,988
Total Consumption	284,185	275,761	283,591	307,367	305,945
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	3,241	3,403	3,863	4,702	4,998
Industrial	44,465	51,292	55,143	65,641	56,338
Electric Utilities	3,165	2,685	554	3,484	428
Firm Deliveries (million cubic feet)					
Residential	106,187	99,504	104,286	110,924	115,583
Commercial	68,725	60,755	63,563	65,526	65,817
Industrial	30,709	22,625	23,784	33,616	29,472
Electric Utilities	2,034	1,532	1,417	4,105	4,374
Vehicle Fuel	7	60	9	8	8
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	2,922	5,115	3,076	3,388	3,257
Industrial	38,315	48,468	48,655	50,024	44,309
Electric Utilities	2,736	2,687	572	683	558
Vehicle Fuel	11	8	10	9	5
Number of Consumers					
Residential	1,044,699	1,073,308	1,108,899	1,147,743	1,183,978
Commercial	115,924	115,994	118,502	121,221	123,580
Industrial	1,032	1,176	1,528	2,099	2,961
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	102	93	94	97	98
Commercial	618	568	562	568	559
Industrial	66,884	60,453	47,408	39,848	24,917
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.61	1.39	0.95	1.37	2.23
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.86	1.78	1.45	1.97	2.44
City Gate	2.95	3.31	2.65	2.70	2.92
Delivered to Consumers					
Residential	4.52	4.92	4.80	4.39	4.81
Commercial	4.04	4.37	4.23	3.67	4.06
Industrial	2.35	2.38	2.86	2.91	3.66
Vehicle Fuel	2.70	3.55	1.51	2.12	2.45
Electric Utilities	2.53	2.21	1.74	2.09	3.16

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

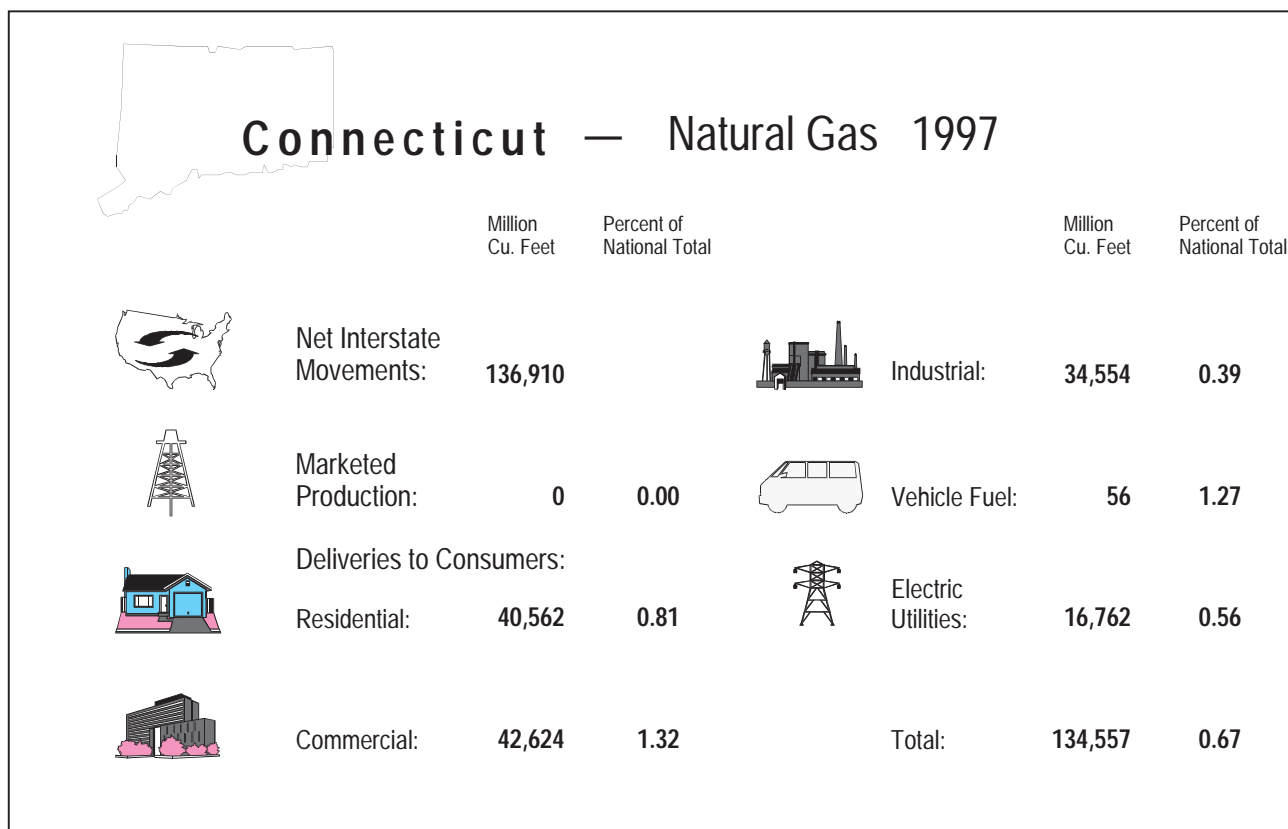


Table 53. Summary Statistics for Natural Gas — Connecticut, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	302,126	324,576	410,639	388,927	396,610
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	640	1,497	1,109	1,585	737
Supplemental Gas Supplies.....	94	29	68	48	37
Balancing Item.....	-2,305	9,463	-19,321	-5,784	197
Total Supply.....	300,554	335,564	392,495	384,776	397,581

See footnotes at end of table.

Table 53. Summary Statistics for Natural Gas — Connecticut, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	111,501	120,031	132,273	127,878	137,049
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	188,443	214,098	259,486	254,633	259,700
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	610	1,435	736	2,265	832
Total Disposition	300,554	335,564	392,495	384,776	397,581
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	460	697	1,144	1,390	2,492
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential.....	42,213	41,600	40,824	43,764	40,562
Commercial	31,427	39,082	37,879	39,786	42,624
Industrial.....	36,842	30,647	33,106	32,451	34,554
Vehicle Fuel.....	*	2	12	32	56
Electric Utilities	557	8,002	19,310	10,456	16,762
Total Delivered to Consumers	111,040	119,334	131,130	126,488	134,557
Total Consumption.....	111,501	120,031	132,273	127,878	137,049
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	602	7,455	6,836	5,193	7,709
Industrial.....	10,164	1,435	4,130	5,008	11,597
Electric Utilities	140	6,941	16,058	8,427	12,677
Firm Deliveries (million cubic feet)					
Residential.....	42,213	41,265	40,476	43,462	40,294
Commercial	22,635	27,680	25,278	29,725	26,213
Industrial.....	18,187	14,289	15,068	15,116	16,137
Electric Utilities	108	6,807	13,475	7,601	10,135
Vehicle Fuel.....	*	1	8	17	28
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	336	348	302	268
Commercial	8,792	11,402	12,601	10,061	16,411
Industrial.....	18,655	16,358	18,037	17,334	18,418
Electric Utilities	276	1,047	4,747	2,474	2,723
Vehicle Fuel.....	0	1	4	14	28
Number of Consumers					
Residential.....	427,761	428,157	431,909	433,778	436,119
Commercial	45,529	45,042	45,935	47,055	48,195
Industrial.....	2,952	3,754	3,705	3,435	3,459
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	99	97	95	101	93
Commercial	690	868	825	846	884
Industrial.....	12,480	8,164	8,935	9,447	9,990
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	3.53	2.62	2.20	3.50	1.54
City Gate	3.87	4.17	4.70	5.11	5.11
Delivered to Consumers					
Residential.....	9.43	10.14	10.00	10.08	10.33
Commercial	7.02	7.39	7.57	7.41	7.23
Industrial.....	4.77	4.49	4.39	4.80	4.73
Vehicle Fuel.....	8.97	7.74	6.08	6.66	5.68
Electric Utilities	3.90	1.99	2.01	2.76	2.47

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

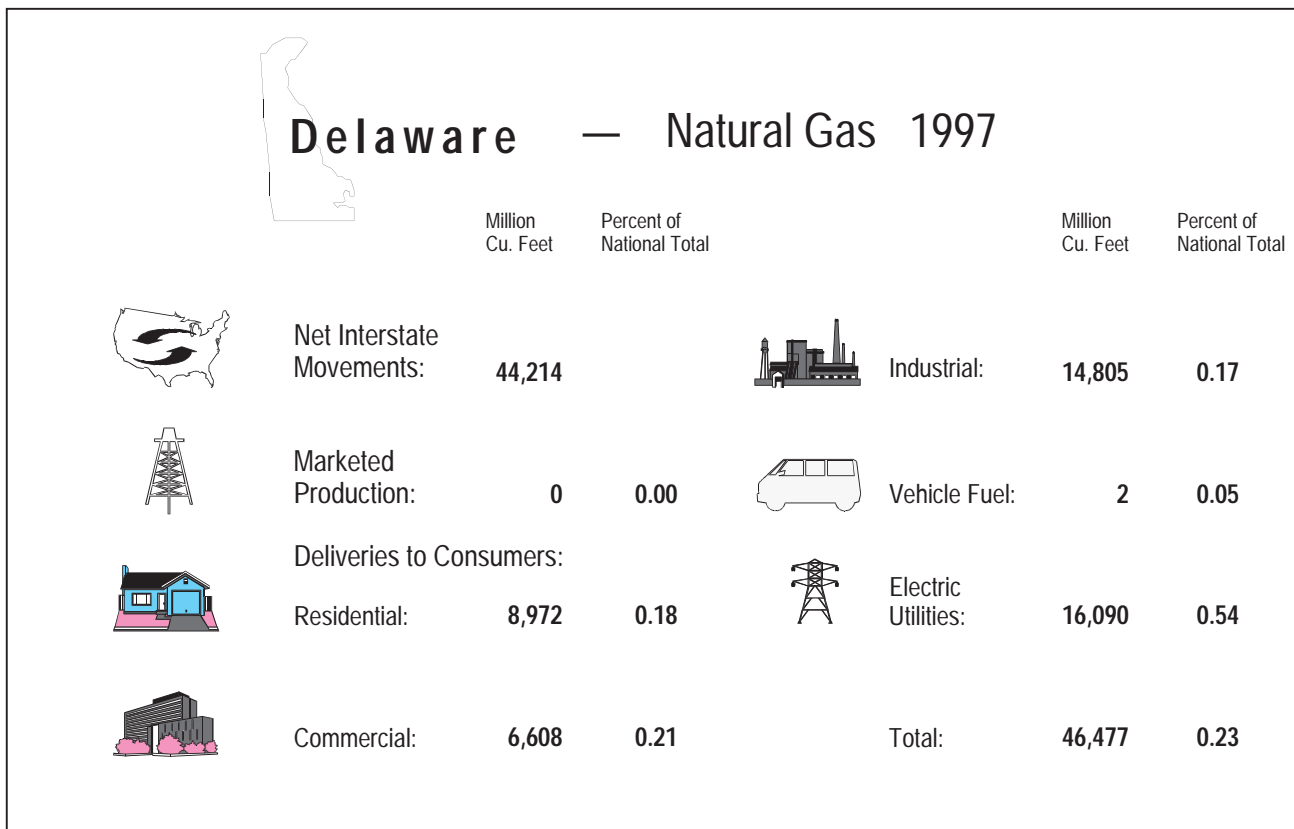


Table 54. Summary Statistics for Natural Gas — Delaware, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	43,788	52,304	54,864	46,232	47,619
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	95	202	103	226	121
Supplemental Gas Supplies.....	3,597	3,032	1	1	2
Balancing Item.....	-2,807	-3,781	8,827	11,055	2,266
Total Supply.....	44,674	51,758	63,795	57,514	50,007

See footnotes at end of table.

Table 54. Summary Statistics for Natural Gas — Delaware, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	41,612	48,636	60,662	54,026	46,490
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	2,963	2,896	3,030	3,252	3,405
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	99	225	103	237	112
Total Disposition	44,674	51,758	63,795	57,514	50,007
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	4	4	5	5	13
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	8,295	8,557	8,505	9,791	8,972
Commercial	5,195	5,459	5,743	6,694	6,608
Industrial	19,453	17,216	19,399	14,164	14,805
Vehicle Fuel	0	1	1	1	2
Electric Utilities	8,665	17,399	27,010	23,370	16,090
Total Delivered to Consumers	41,608	48,632	60,658	54,020	46,477
Total Consumption	41,612	48,636	60,662	54,026	46,490
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	4,922	5,631	6,281	8,882	10,223
Electric Utilities	58	16,120	21,423	19,088	13,697
Firm Deliveries (million cubic feet)					
Residential	8,295	8,557	8,505	9,791	8,972
Commercial	5,195	5,459	5,743	6,694	6,608
Industrial	13,144	10,336	11,048	12,303	13,605
Electric Utilities	8,322	16,187	25,043	21,468	14,877
Vehicle Fuel	0	1	1	1	2
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	0	0	0	0	0
Industrial	6,309	6,880	8,352	1,861	1,200
Electric Utilities	141	1,281	1,903	510	408
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	96,914	100,431	103,531	106,548	109,400
Commercial	8,409	8,721	9,133	9,518	9,807
Industrial	249	252	253	250	265
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	86	85	82	92	82
Commercial	618	626	629	703	674
Industrial	78,126	68,319	76,678	56,657	55,870
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	3.19	3.02	3.02	3.51	2.98
City Gate	3.24	2.95	2.70	3.68	3.53
Delivered to Consumers					
Residential	6.70	7.43	6.60	7.12	8.36
Commercial	5.46	6.17	5.28	5.82	6.70
Industrial	3.40	3.43	2.94	4.32	4.40
Vehicle Fuel	—	—	3.00	3.03	2.85
Electric Utilities	2.69	2.43	2.34	3.13	3.15

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" (1993 through 1995); Form EIA-895, "Monthly

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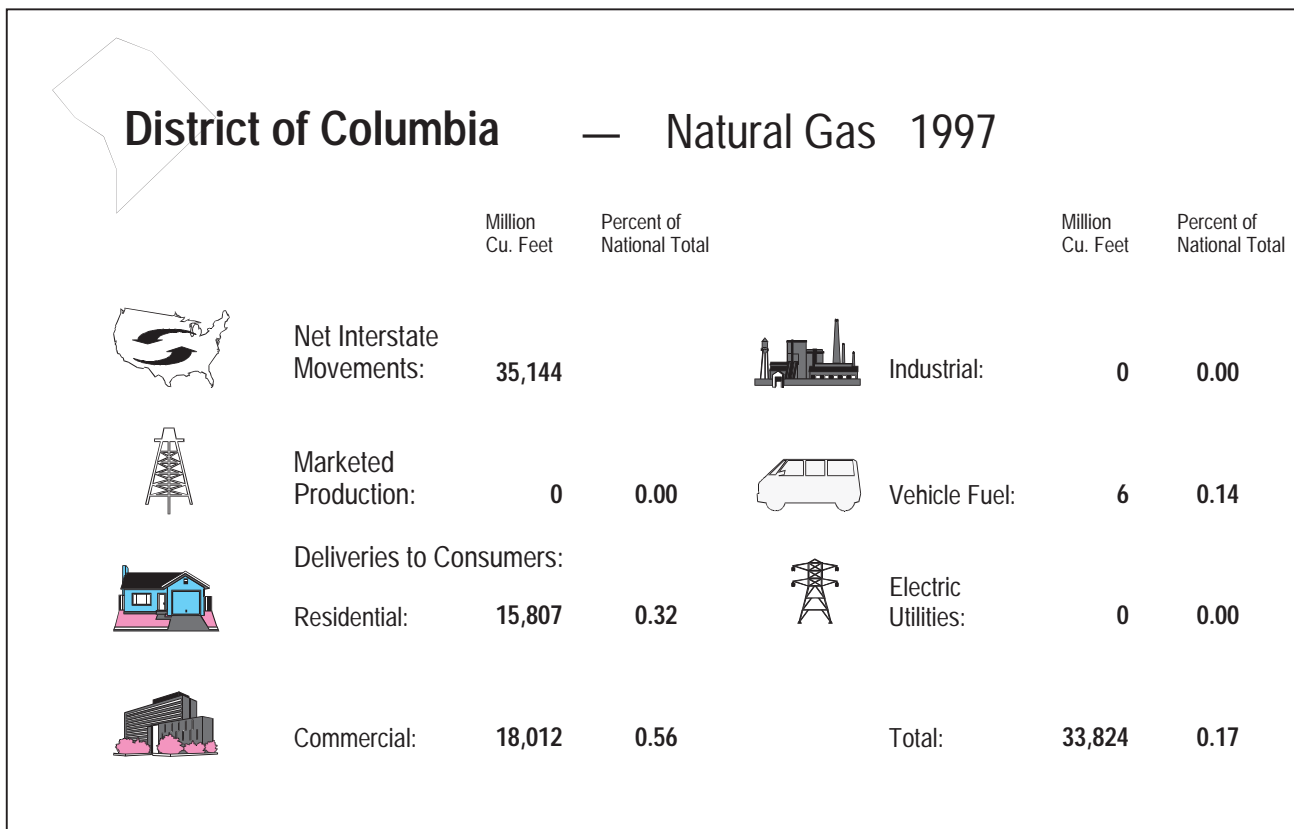


Table 55. Summary Statistics for Natural Gas — District of Columbia, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	33,373	29,806	29,860	29,693	35,144
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.....	-279	1,042	3,129	4,190	-1,074
Total Supply	33,093	30,849	32,988	33,883	34,070

See footnotes at end of table.

Table 55. Summary Statistics for Natural Gas — District of Columbia, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	33,093	30,849	32,988	33,883	34,070
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	33,093	30,849	32,988	33,883	34,070
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	275	242	254	239	246
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	16,589	15,865	15,690	17,290	15,807
Commercial	16,229	14,742	17,035	16,347	18,012
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	10	6	6
Electric Utilities	0	0	0	0	0
Total Delivered to Consumers	32,818	30,607	32,735	33,644	33,824
Total Consumption	33,093	30,849	32,988	33,883	34,070
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	332	1,343	3,954	4,823	8,122
Industrial	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	16,589	15,865	15,690	17,290	15,807
Commercial	7,029	6,474	6,479	6,961	6,487
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	NA	0	0	0	0
Commercial	9,200	8,268	10,556	9,386	11,525
Industrial	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	10	6	6
Number of Consumers					
Residential	135,986	135,119	135,299	135,215	134,807
Commercial	11,133	11,132	11,089	10,952	10,874
Industrial	0	0	0	0	0
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	122	117	116	128	117
Commercial	1,458	1,324	1,536	1,493	1,656
Industrial	0	0	0	0	0
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.58	2.13	1.97	3.02	2.97
City Gate	—	—	—	—	—
Delivered to Consumers					
Residential	8.34	8.29	8.03	9.19	9.39
Commercial	5.75	6.16	6.04	7.37	7.38
Industrial	—	—	—	—	—
Vehicle Fuel	—	—	2.06	4.94	3.01
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" (1993 through 1995); Form EIA-895, "Monthly

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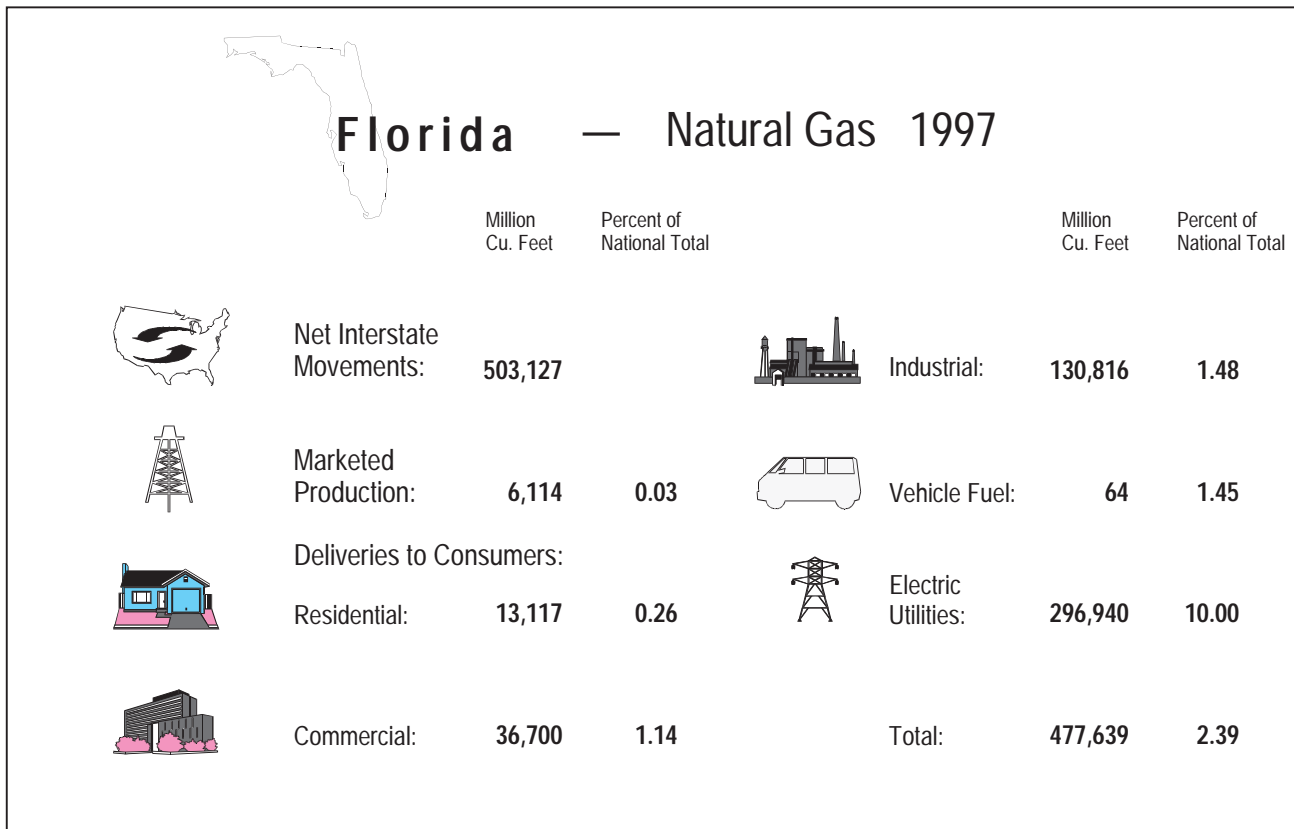


Table 56. Summary Statistics for Natural Gas — Florida, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	50	98	92	96	96
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.....	8,011	8,468	7,133	6,706	6,907
Total.....	8,011	8,468	7,133	6,706	6,907
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	721	762	642	700	793
Wet After Lease Separation	7,290	7,706	6,491	6,006	6,114
Vented and Flared.....	205	220	28	0	0
Marketed Production	7,085	7,486	6,463	6,006	6,114
Extraction Loss.....	2,557	1,789	1,630	1,649	1,563
Total Dry Production.....	4,528	5,697	4,833	4,357	4,551
Supply (million cubic feet)					
Dry Production.....	4,528	5,697	4,833	4,357	4,551
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	336,185	359,172	523,721	483,085	503,155
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.....	-4,795	2,713	-12,921	-1,041	-21,960
Total Supply.....	335,918	367,582	515,633	486,401	485,745

See footnotes at end of table.

Table 56. Summary Statistics for Natural Gas — Florida, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	335,888	367,552	515,598	486,367	485,717
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	30	30	34	33	28
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	335,918	367,582	515,633	486,401	485,745
Consumption (million cubic feet)					
Lease Fuel.....	476	653	620	2,049	2,321
Pipeline Fuel.....	4,342	5,304	7,504	5,723	5,644
Plant Fuel.....	1,241	167	145	125	113
Delivered to Consumers					
Residential.....	13,940	13,855	14,540	16,293	13,117
Commercial.....	41,151	39,935	40,383	41,810	36,700
Industrial.....	100,350	126,873	133,477	136,722	130,816
Vehicle Fuel.....	27	68	75	88	64
Electric Utilities.....	174,361	180,697	318,854	283,557	296,940
Total Delivered to Consumers	329,829	361,428	507,329	478,471	477,639
Total Consumption.....	335,888	367,552	515,598	486,367	485,717
Delivered for the Account of Others (million cubic feet)					
Residential.....	85	85	92	118	104
Commercial.....	911	861	988	1,204	932
Industrial.....	73,610	106,166	112,361	119,191	117,731
Electric Utilities.....	177,954	182,379	308,563	269,460	297,298
Firm Deliveries (million cubic feet)					
Residential.....	14,837	13,855	14,540	16,293	13,117
Commercial.....	39,802	39,127	39,761	40,677	35,589
Industrial.....	27,195	47,194	57,376	55,063	41,987
Electric Utilities.....	143,107	169,240	277,108	247,959	254,562
Vehicle Fuel.....	27	67	75	88	64
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial.....	1,349	809	622	1,134	1,111
Industrial.....	73,155	79,679	76,101	81,659	88,829
Electric Utilities.....	38,736	15,105	33,157	22,560	43,810
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	484,816	497,777	512,365	521,674	532,790
Commercial.....	47,344	47,851	46,459	47,578	48,251
Industrial.....	433	481	515	517	565
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	29	28	28	31	25
Commercial.....	869	835	869	879	761
Industrial.....	231,754	263,770	259,178	264,453	231,533
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.17	1.28	1.24	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	2.85	1.50	1.55	2.37	2.38
City Gate	2.76	2.78	2.74	3.73	3.97
Delivered to Consumers					
Residential.....	10.02	9.98	9.85	10.74	11.90
Commercial.....	5.84	5.54	5.33	6.45	6.85
Industrial.....	3.88	3.51	3.28	4.21	4.41
Vehicle Fuel.....	4.45	4.36	3.86	4.87	5.07
Electric Utilities.....	2.36	2.18	2.26	3.12	2.51

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

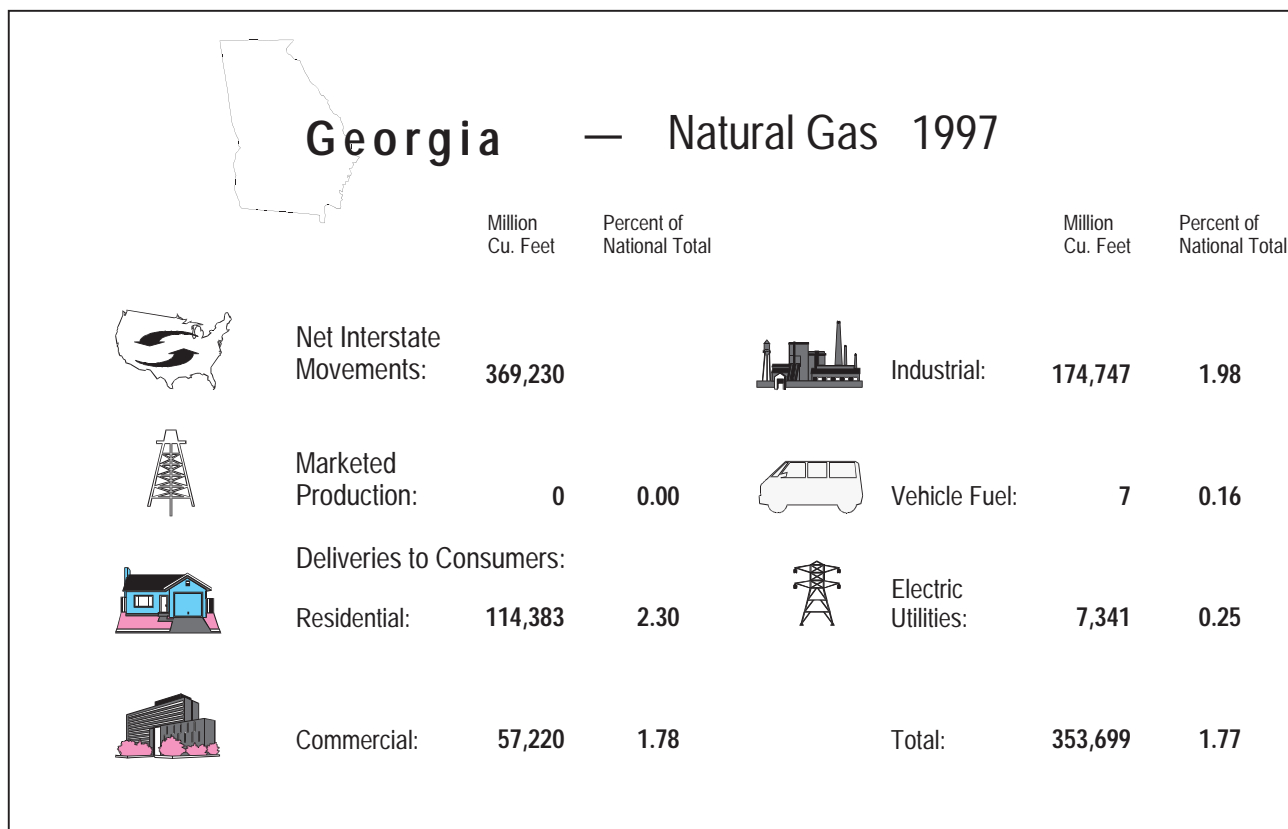


Table 57. Summary Statistics for Natural Gas — Georgia, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	1,371,442	1,371,651	1,439,907	1,502,968	1,498,880
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	1,896	3,881	5,210	6,712	3,374
Supplemental Gas Supplies.....	199	123	130	94	14
Balancing Item.....	20,786	9,314	4,718	5,057	-7,724
Total Supply	1,394,324	1,384,970	1,449,965	1,514,831	1,494,544

See footnotes at end of table.

Table 57. Summary Statistics for Natural Gas — Georgia, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	350,618	341,344	370,385	383,346	361,672
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,041,851	1,039,839	1,075,834	1,124,962	1,129,650
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	1,855	3,788	3,746	6,523	3,221
Total Disposition	1,394,324	1,384,970	1,449,965	1,514,831	1,494,544
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	7,020	6,987	7,651	8,463	7,973
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	115,655	105,436	114,670	127,062	114,383
Commercial	57,525	54,051	56,536	61,377	57,220
Industrial	167,388	173,839	183,692	181,768	174,747
Vehicle Fuel	4	3	2	1	7
Electric Utilities	3,026	1,028	7,834	4,674	7,341
Total Delivered to Consumers	343,598	334,357	362,734	374,882	353,699
Total Consumption	350,618	341,344	370,385	383,346	361,672
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	5,487	4,304	3,663	3,646	6,211
Industrial	112,491	108,859	118,125	123,193	128,111
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	115,655	105,436	114,670	127,062	114,383
Commercial	44,652	42,537	44,215	49,758	45,039
Industrial	28,771	46,311	46,308	44,133	34,768
Electric Utilities	3,080	1,137	7,813	4,575	6,800
Vehicle Fuel	0	0	0	0	7
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	12,873	11,514	12,321	11,618	12,181
Industrial	138,617	127,529	137,384	137,635	139,980
Electric Utilities	0	0	0	0	0
Vehicle Fuel	4	2	2	0	0
Number of Consumers					
Residential	1,430,626	1,460,141	1,495,992	1,538,458	1,553,948
Commercial	114,889	117,980	120,122	123,200	123,367
Industrial	3,302	3,277	3,261	3,310	3,311
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	81	72	77	83	74
Commercial	501	458	471	498	464
Industrial	50,693	53,048	56,330	54,915	52,778
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.24	2.14	1.93	2.62	3.09
City Gate	3.77	3.54	2.96	3.77	3.98
Delivered to Consumers					
Residential	6.80	7.32	6.18	6.69	7.41
Commercial	5.83	6.18	5.20	5.89	6.43
Industrial	4.10	3.90	3.55	4.40	4.56
Vehicle Fuel	3.54	4.07	3.86	3.86	4.14
Electric Utilities	3.31	3.29	2.79	2.88	2.72

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

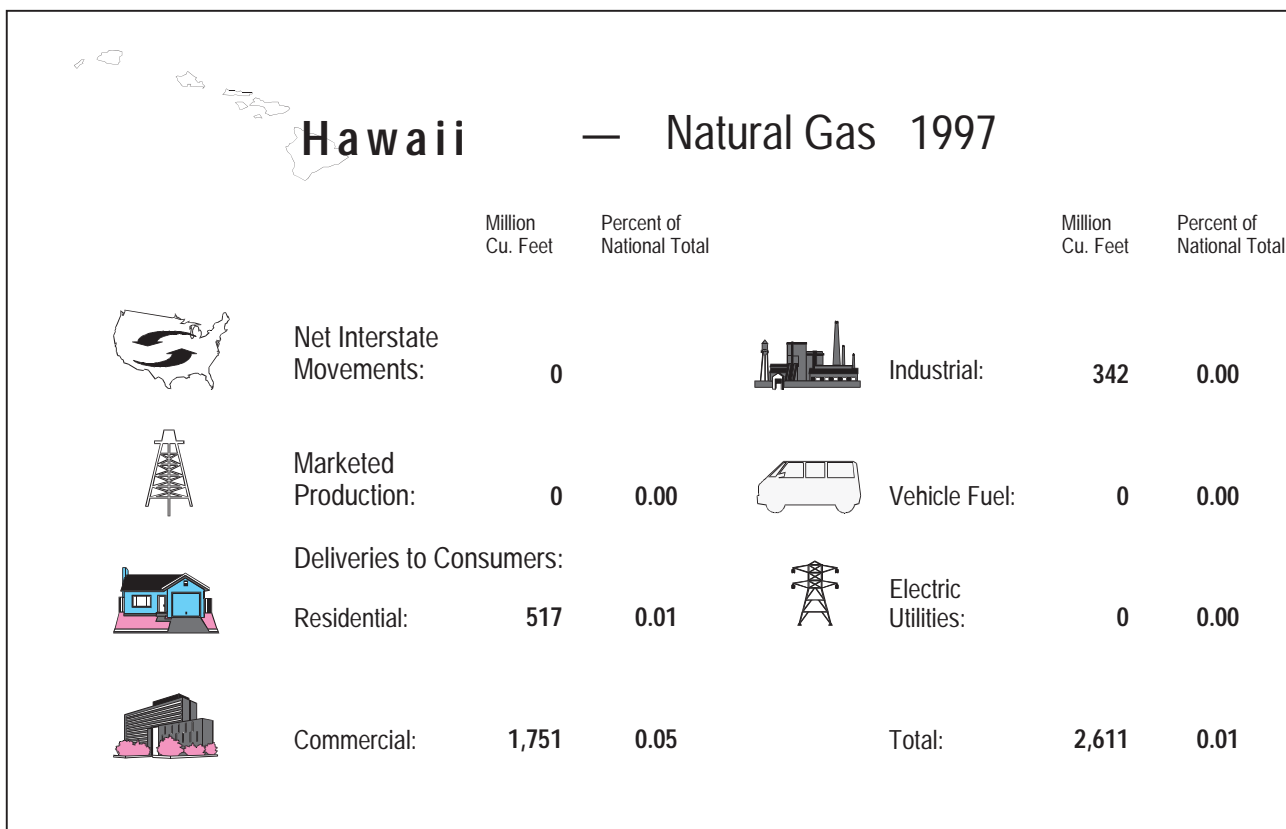


Table 58. Summary Statistics for Natural Gas — Hawaii, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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.....	2,705	2,831	2,793	2,761	2,617
Balancing Item.....	-24	-53	-21	-88	-6
Total Supply.....	2,681	2,778	2,773	2,672	2,611

See footnotes at end of table.

Table 58. Summary Statistics for Natural Gas — Hawaii, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	2,681	2,778	2,773	2,672	2,611
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	2,681	2,778	2,773	2,672	2,611
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.....	558	578	574	540	517
Commercial.....	2,123	2,200	2,199	2,132	1,751
Industrial.....	0	0	0	0	342
Vehicle Fuel.....	0	0	0	0	0
Electric Utilities.....	0	0	0	0	0
Total Delivered to Consumers	2,681	2,778	2,773	2,672	2,611
Total Consumption.....	2,681	2,778	2,773	2,672	2,611
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.....	558	578	574	540	517
Commercial.....	1,779	1,837	1,856	1,865	1,751
Industrial.....	0	0	0	0	68
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial.....	344	363	343	267	0
Industrial.....	0	0	0	0	274
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	29,984	30,614	30,492	31,017	30,990
Commercial.....	3,222	2,805	2,825	2,823	2,783
Industrial.....	0	0	0	0	27
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	19	19	19	17	17
Commercial.....	659	784	778	755	629
Industrial.....	0	0	0	0	12,657
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	—	—	—	—	—
City Gate	5.61	4.94	5.20	6.05	6.42
Delivered to Consumers					
Residential.....	17.51	16.83	17.55	19.81	21.74
Commercial.....	12.90	12.40	13.00	14.40	15.77
Industrial.....	—	—	—	—	10.79
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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

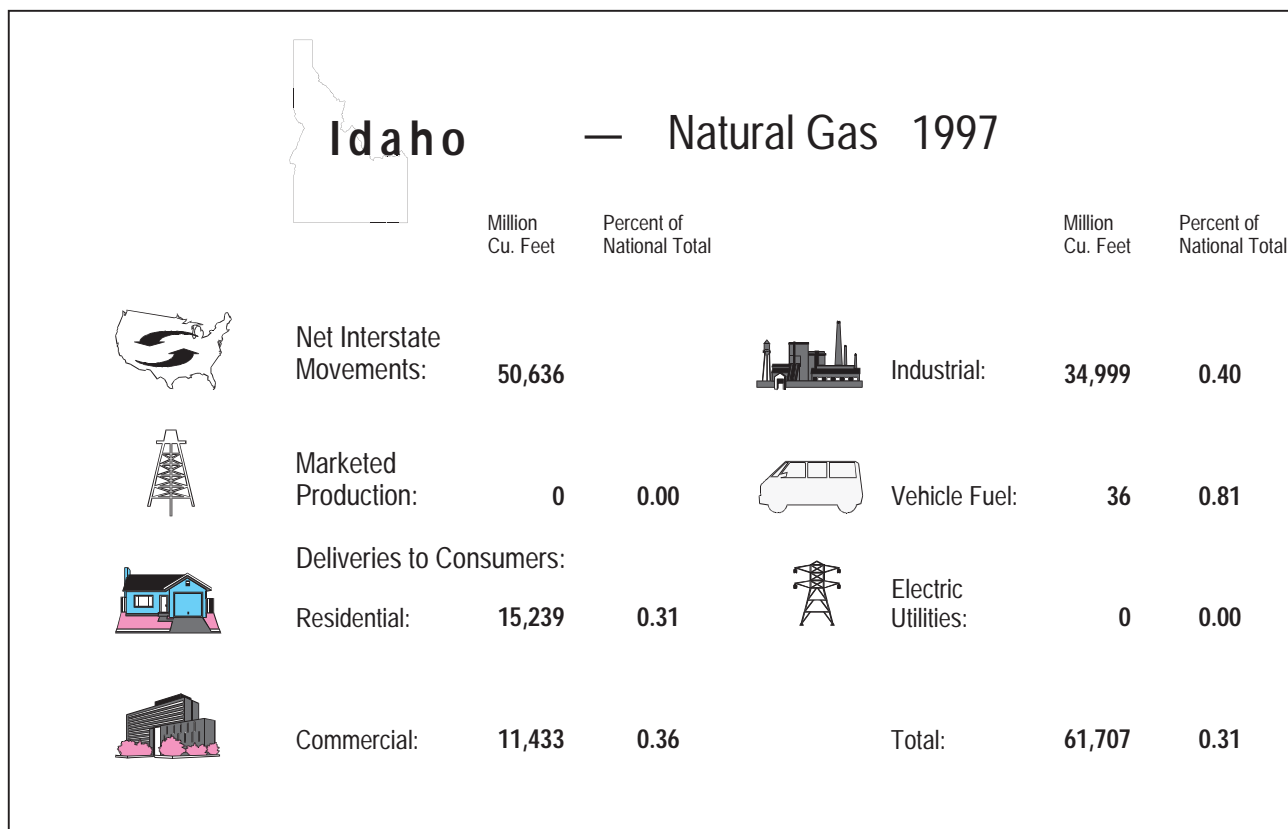


Table 59. Summary Statistics for Natural Gas — Idaho, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	511,727	723,071	823,478	842,114	856,503
Intransit Receipts	0	0	0	0	0
Interstate Receipts	91,967	98,230	139,483	126,244	145,009
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	1,339	373	434	661	836
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	7,351	-4,498	-12,055	-1,765	16,288
Total Supply.....	612,383	817,176	951,340	967,254	1,018,636

See footnotes at end of table.

Table 59. Summary Statistics for Natural Gas — Idaho, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	56,160	56,905	63,777	67,006	66,892
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	554,834	759,717	887,158	899,611	950,876
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	1,389	554	405	636	868
Total Disposition	612,383	817,176	951,340	967,254	1,018,636
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	3,781	4,741	6,370	5,948	5,186
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential.....	12,557	12,285	13,003	14,941	15,239
Commercial	10,675	10,088	10,360	11,506	11,433
Industrial.....	29,146	29,781	34,024	34,577	34,999
Vehicle Fuel.....	0	10	19	34	36
Electric Utilities.....	0	0	0	0	0
Total Delivered to Consumers	52,379	52,164	57,407	61,058	61,707
Total Consumption.....	56,160	56,905	63,777	67,006	66,892
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	1,405	1,427	1,450	1,543	1,593
Industrial.....	29,057	28,932	33,291	34,080	34,311
Electric Utilities.....	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential.....	12,557	12,285	13,003	14,941	15,239
Commercial	10,675	10,088	10,360	11,506	11,372
Industrial.....	25,766	26,511	33,561	30,261	23,340
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	10	19	34	36
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	0	0	0	0	61
Industrial.....	3,380	3,270	463	4,316	11,659
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	148,582	162,971	175,320	187,756	200,165
Commercial	21,989	22,999	24,150	25,271	26,436
Industrial.....	75	144	167	183	189
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	85	75	74	80	76
Commercial	485	439	429	455	432
Industrial.....	388,619	206,812	203,738	188,946	185,181
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	2.02	1.60	0.94	1.22	1.60
Exports	—	—	—	—	—
Pipeline Fuel.....	1.76	1.86	1.78	1.79	1.83
City Gate	2.26	2.46	2.18	2.24	2.12
Delivered to Consumers					
Residential.....	5.38	5.29	5.59	5.20	5.12
Commercial	4.65	5.01	4.87	4.56	4.49
Industrial.....	3.02	3.85	3.67	2.78	2.76
Vehicle Fuel.....	—	2.29	3.36	3.14	4.19
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" (1993 through 1995); Form EIA-895, "Monthly

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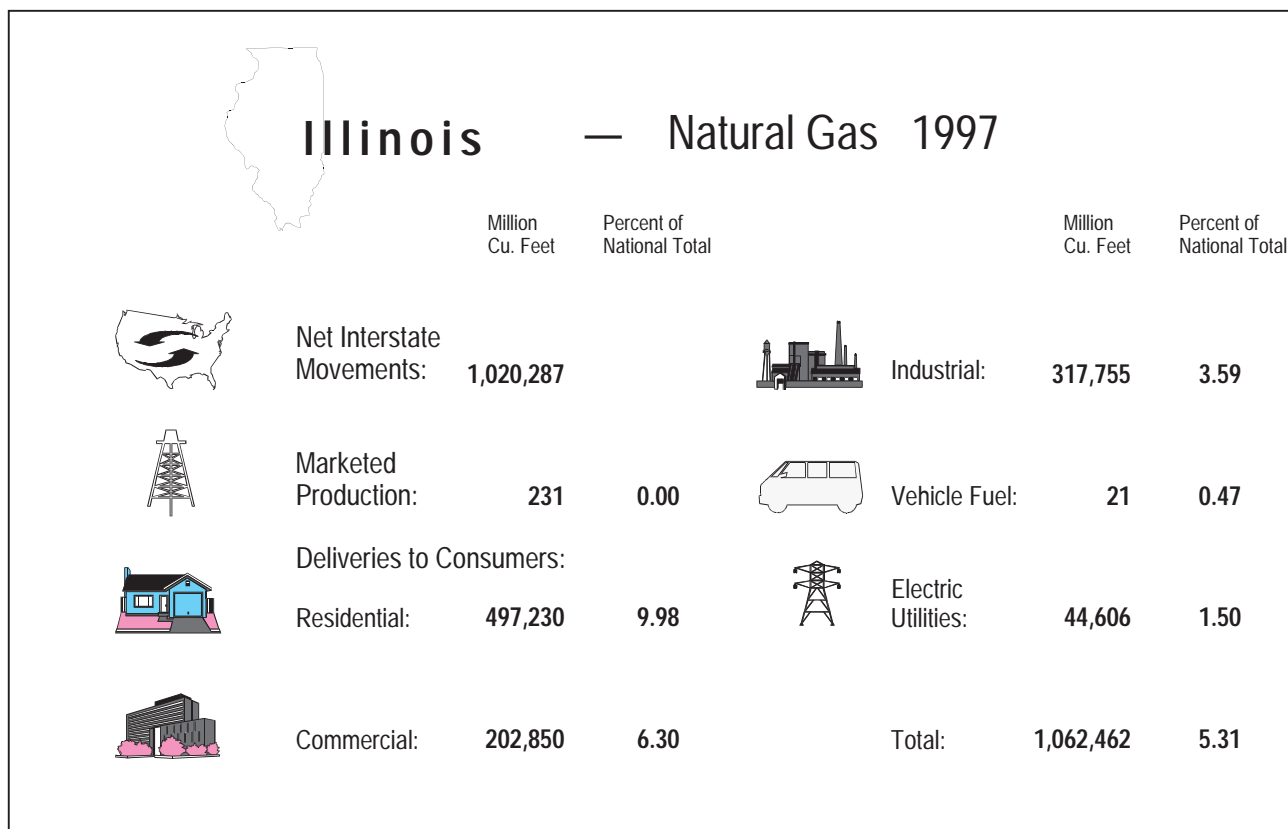


Table 60. Summary Statistics for Natural Gas — Illinois, 1993-1997

	1993	1994	1995	1996	1997
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	385	390	372	370	372
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	330	323	325	289	224
From Oil Wells.....	10	10	10	9	7
Total.....	340	333	335	298	231
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	340	333	335	298	231
Vented and Flared.....	0	0	0	0	0
Marketed Production	340	333	335	298	231
Extraction Loss.....	86	80	77	64	200
Total Dry Production.....	254	253	258	234	31
Supply (million cubic feet)					
Dry Production.....	254	253	258	234	31
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,269,660	2,489,443	2,446,381	2,607,330	2,495,356
Withdrawals from Storage					
Underground Storage.....	228,319	222,871	286,390	226,020	217,632
LNG Storage	448	1,317	382	1,259	483
Supplemental Gas Supplies.....	9,760	7,871	6,256	3,912	4,165
Balancing Item.....	-1,526	-131,627	-8,866	21,534	62,533
Total Supply.....	2,506,915	2,590,128	2,730,801	2,860,289	2,780,201

See footnotes at end of table.

Table 60. Summary Statistics for Natural Gas — Illinois, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	1,031,253	1,024,908	1,078,543	1,119,443	1,077,065
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,234,731	1,328,116	1,388,479	1,498,747	1,475,069
Additions to Storage					
Underground Storage	240,515	235,778	263,409	241,129	227,785
LNG Storage	417	1,326	370	971	283
Total Disposition	2,506,915	2,590,128	2,730,801	2,860,289	2,780,201
Consumption (million cubic feet)					
Lease Fuel	10	10	7	7	6
Pipeline Fuel	11,620	13,828	13,208	14,388	14,517
Plant Fuel	106	101	90	75	80
Delivered to Consumers					
Residential	495,311	473,788	500,796	538,749	497,230
Commercial	203,157	197,558	203,802	218,054	202,850
Industrial	305,014	305,090	321,465	322,275	317,755
Vehicle Fuel	12	29	31	32	21
Electric Utilities	16,022	34,505	39,143	25,863	44,606
Total Delivered to Consumers	1,019,517	1,010,969	1,065,238	1,104,972	1,062,462
Total Consumption	1,031,253	1,024,908	1,078,543	1,119,443	1,077,065
Delivered for the Account of Others (million cubic feet)					
Residential	31,795	31,119	34,652	34,758	34,653
Commercial	90,812	93,206	101,211	100,495	92,730
Industrial	265,110	267,348	286,103	278,262	281,159
Electric Utilities	14,227	32,064	35,703	24,894	44,010
Firm Deliveries (million cubic feet)					
Residential	495,311	473,788	500,796	538,749	497,230
Commercial	200,101	197,449	203,732	217,976	202,509
Industrial	280,374	283,174	305,656	307,618	303,236
Electric Utilities	15,077	33,596	40,528	28,718	49,475
Vehicle Fuel	12	29	31	32	21
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	3,056	108	70	78	341
Industrial	24,640	21,916	15,810	14,657	14,518
Electric Utilities	489	2	2	0	101
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	3,388,983	3,418,052	3,452,975	3,494,545	3,521,707
Commercial	268,104	262,308	264,756	265,007	268,841
Industrial	27,807	25,788	25,929	29,493	28,473
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	146	139	145	154	141
Commercial	758	753	770	823	755
Industrial	10,969	11,831	12,398	10,927	11,160
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.30	2.40	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.97	1.88	1.66	2.63	2.68
City Gate	3.30	3.02	2.59	3.27	3.28
Delivered to Consumers					
Residential	5.52	5.50	4.66	5.28	5.95
Commercial	5.10	5.12	4.42	4.92	5.43
Industrial	4.44	4.39	3.57	4.12	3.97
Vehicle Fuel	4.04	3.22	2.89	3.44	3.01
Electric Utilities	2.48	2.04	1.71	2.62	2.55

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

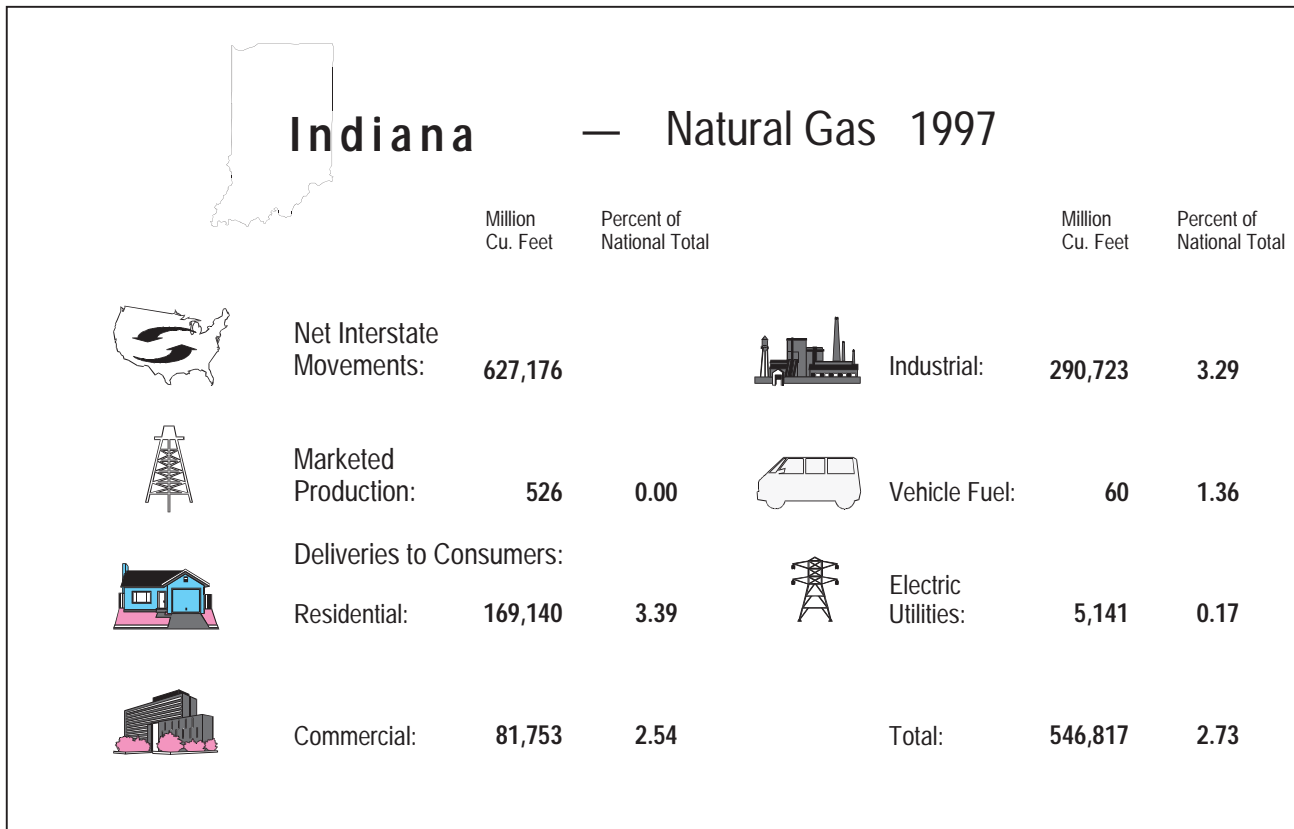


Table 61. Summary Statistics for Natural Gas — Indiana, 1993-1997

	1993	1994	1995	1996	1997
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	1,336	1,348	1,347	1,367	1,458
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	192	107	249	360	526
From Oil Wells.....	0	0	0	0	0
Total.....	192	107	249	360	526
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	192	107	249	360	526
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	192	107	249	360	526
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	192	107	249	360	526
Supply (million cubic feet)					
Dry Production.....	192	107	249	360	526
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,751,885	2,233,089	2,041,013	2,305,253	2,255,729
Withdrawals from Storage					
Underground Storage.....	25,332	21,081	25,046	25,462	24,388
LNG Storage	1,582	2,733	1,554	4,571	1,867
Supplemental Gas Supplies.....	3,232	2,457	3,199	3,194	3,580
Balancing Item.....	3,560	-80,586	-34,543	-53,249	-74,012
Total Supply.....	1,785,784	2,178,880	2,036,518	2,285,590	2,212,079

See footnotes at end of table.

Table 61. Summary Statistics for Natural Gas — Indiana, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	517,760	519,356	535,311	573,480	557,602
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,239,776	1,632,229	1,475,557	1,680,509	1,628,553
Additions to Storage					
Underground Storage	25,928	24,656	24,335	27,263	23,403
LNG Storage	2,320	2,638	1,316	4,337	2,520
Total Disposition	1,785,784	2,178,880	2,036,518	2,285,590	2,212,079
Consumption (million cubic feet)					
Lease Fuel	6	2	5	8	12
Pipeline Fuel	6,759	6,872	7,586	12,416	10,773
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	163,944	157,467	161,059	179,939	169,140
Commercial	78,047	75,819	82,726	87,456	81,753
Industrial	263,283	270,128	275,487	289,219	290,723
Vehicle Fuel	54	59	98	112	60
Electric Utilities	5,667	9,009	8,349	4,330	5,141
Total Delivered to Consumers	510,995	512,482	527,719	561,056	546,817
Total Consumption	517,760	519,356	535,311	573,480	557,602
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	3,724	5,841	10,149	3,255	8,290
Industrial	210,303	233,870	236,435	241,236	244,246
Electric Utilities	4,204	7,370	11,986	6,373	7,438
Firm Deliveries (million cubic feet)					
Residential	163,944	157,467	161,059	179,939	169,140
Commercial	72,688	70,323	76,041	81,040	72,792
Industrial	62,865	61,982	64,219	72,016	70,885
Electric Utilities	743	2,353	1,947	1,886	2,051
Vehicle Fuel	54	59	98	112	60
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	5,359	5,496	6,685	6,416	8,961
Industrial	200,417	208,146	211,267	217,204	219,838
Electric Utilities	4,204	7,058	11,456	5,951	6,243
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	1,402,770	1,438,483	1,463,640	1,489,647	1,509,142
Commercial	131,925	134,336	137,162	139,097	140,515
Industrial	6,508	6,314	6,250	6,586	6,921
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	117	109	110	121	112
Commercial	592	564	603	629	582
Industrial	40,455	42,782	44,078	43,914	42,006
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.09	1.97	1.90	2.30	2.18
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.38	1.03	1.05	2.47	2.58
City Gate	3.18	2.98	2.84	3.09	3.03
Delivered to Consumers					
Residential	5.76	6.24	5.37	5.54	6.37
Commercial	4.99	5.33	4.38	4.67	5.44
Industrial	3.71	4.60	3.41	3.62	4.33
Vehicle Fuel	5.23	5.11	7.13	7.20	5.53
Electric Utilities	2.77	2.72	2.49	3.48	3.23

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

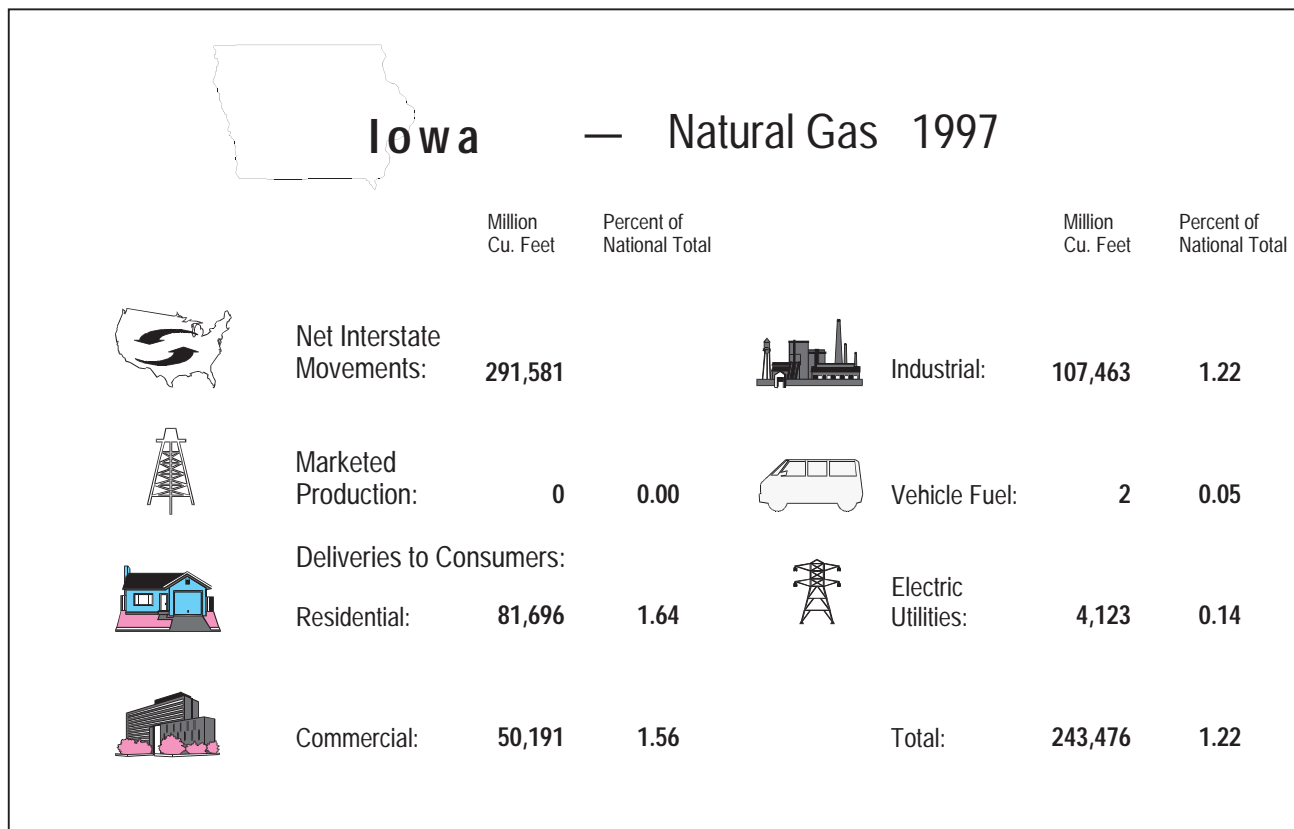


Table 62. Summary Statistics for Natural Gas — Iowa, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	1,232,578	1,443,469	1,444,142	1,497,972	1,436,026
Withdrawals from Storage					
Underground Storage.....	61,007	68,162	77,228	59,831	54,877
LNG Storage	5,597	3,521	2,996	3,284	1,893
Supplemental Gas Supplies.....	84	123	96	301	137
Balancing Item.....	-45,975	-35,943	-471	-16,204	-30,437
Total Supply	1,253,291	1,479,332	1,523,991	1,545,184	1,462,496

See footnotes at end of table.

Table 62. Summary Statistics for Natural Gas — Iowa, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	248,025	248,351	262,313	272,789	254,785
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	935,411	1,156,188	1,188,548	1,206,074	1,144,445
Additions to Storage					
Underground Storage	64,184	70,926	70,785	61,060	61,132
LNG Storage	5,671	3,867	2,346	5,262	2,134
Total Disposition	1,253,291	1,479,332	1,523,991	1,545,184	1,462,496
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	7,333	10,737	11,051	12,649	11,309
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	83,422	78,260	82,238	88,078	81,696
Commercial	50,337	47,922	50,325	54,571	50,191
Industrial	102,625	108,731	115,080	113,995	107,463
Vehicle Fuel	5	5	5	4	2
Electric Utilities	4,303	2,696	3,614	3,491	4,123
Total Delivered to Consumers	240,692	237,614	251,262	260,140	243,476
Total Consumption	248,025	248,351	262,313	272,789	254,785
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	13	61	0
Commercial	2,648	4,597	5,394	6,728	5,934
Industrial	87,613	96,016	104,993	103,757	98,195
Electric Utilities	1,901	1,721	2,157	2,261	5,966
Firm Deliveries (million cubic feet)					
Residential	83,288	78,260	82,238	88,078	81,696
Commercial	45,573	45,048	47,318	51,495	45,818
Industrial	90,868	92,964	98,496	96,874	82,638
Electric Utilities	3,735	1,826	2,488	2,699	6,483
Vehicle Fuel	5	5	5	4	2
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	4,763	2,874	3,006	3,076	4,373
Industrial	11,757	15,766	16,584	17,122	24,824
Electric Utilities	23	648	643	151	111
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	740,722	750,678	760,848	771,109	780,746
Commercial	86,452	86,918	88,585	89,663	90,643
Industrial	1,903	1,957	1,957	2,066	1,843
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	113	104	108	114	105
Commercial	582	551	568	609	554
Industrial	53,928	55,560	58,804	55,177	58,309
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.25	1.39	1.40	2.37	2.46
City Gate	3.24	3.15	2.82	3.47	4.06
Delivered to Consumers					
Residential	5.48	5.40	5.09	5.49	6.17
Commercial	4.52	4.51	4.14	4.59	5.18
Industrial	3.76	3.99	3.23	3.63	4.11
Vehicle Fuel	3.84	3.51	2.98	2.70	5.41
Electric Utilities	3.12	3.18	2.72	3.23	3.41

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" (1993 through 1995); Form EIA-895, "Monthly

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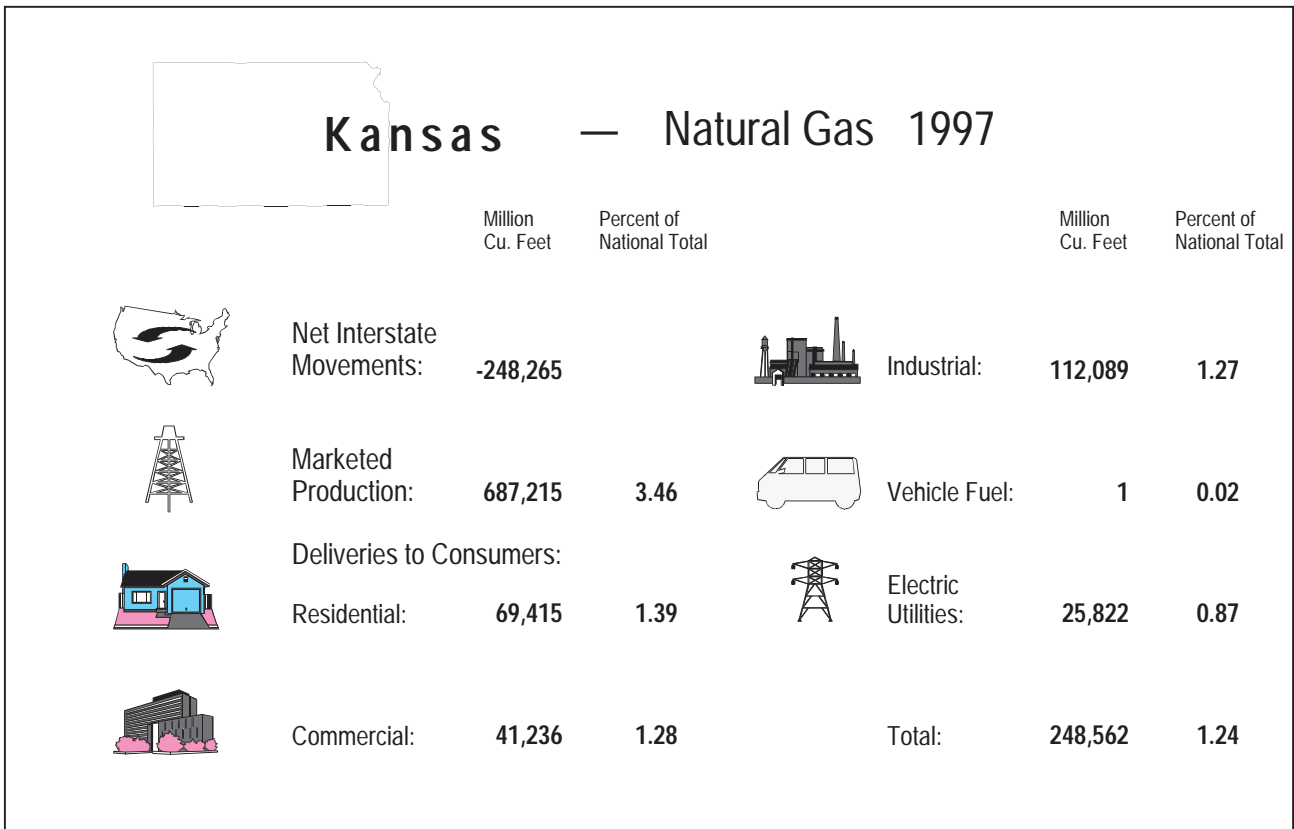


Table 63. Summary Statistics for Natural Gas — Kansas, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	9,348	9,156	8,571	7,694	6,989
Number of Gas and Gas Condensate Wells					
Producing at End of Year	19,472	19,365	22,020	21,388	21,500
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	605,578	628,900	636,582	629,755	618,016
From Oil Wells.....	82,579	85,759	86,807	85,876	71,037
Total.....	688,157	714,659	723,389	715,631	689,053
Repressuring	1,140	1,215	1,230	2,120	1,157
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	687,017	713,444	722,159	713,511	687,896
Vented and Flared.....	670	715	723	716	680
Marketed Production	686,347	712,730	721,436	712,796	687,215
Extraction Loss.....	44,014	46,936	47,442	47,996	38,224
Total Dry Production.....	642,333	665,794	673,994	664,800	648,991
Supply (million cubic feet)					
Dry Production.....	642,333	665,794	673,994	664,800	648,991
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	974,939	1,127,799	1,140,230	1,219,027	1,201,629
Withdrawals from Storage					
Underground Storage.....	109,475	99,851	110,567	116,989	103,475
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	27,185	20,703	8,173	-3,039	-54,836
Total Supply.....	1,753,932	1,914,147	1,932,964	1,997,776	1,899,259

See footnotes at end of table.

Table 63. Summary Statistics for Natural Gas — Kansas, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	391,604	418,027	368,342	362,965	334,518
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	1,246,045	1,390,051	1,458,930	1,529,940	1,449,894
Additions to Storage					
Underground Storage.....	116,284	106,069	105,693	104,871	114,848
LNG Storage	0	0	0	0	0
Total Disposition	1,753,932	1,914,147	1,932,964	1,997,776	1,899,259
Consumption (million cubic feet)					
Lease Fuel.....	20,363	15,623	18,772	18,752	20,641
Pipeline Fuel.....	33,361	31,739	34,631	38,262	39,109
Plant Fuel	36,294	28,988	28,510	30,444	26,205
Delivered to Consumers					
Residential.....	84,896	74,156	75,846	85,376	69,415
Commercial	56,023	52,253	53,122	57,229	41,236
Industrial.....	139,032	187,979	129,515	110,294	112,089
Vehicle Fuel.....	0	10	2	2	1
Electric Utilities	21,636	27,279	27,945	22,607	25,822
Total Delivered to Consumers	301,586	341,677	286,430	275,508	248,562
Total Consumption.....	391,604	418,027	368,342	362,965	334,518
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	9,729	11,295	14,029	16,200	12,085
Industrial.....	120,962	175,691	112,942	101,877	101,404
Electric Utilities	8,091	14,617	16,872	12,545	16,887
Firm Deliveries (million cubic feet)					
Residential.....	84,896	74,156	75,846	85,376	69,415
Commercial	46,391	43,171	43,843	46,897	31,283
Industrial.....	61,599	97,904	59,985	66,922	49,647
Electric Utilities	1,407	11,213	11,311	8,128	10,001
Vehicle Fuel.....	0	10	1	1	1
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	9,632	9,082	9,279	10,333	9,953
Industrial.....	77,433	90,075	69,530	43,372	62,441
Electric Utilities	12,581	9,243	10,906	5,422	7,074
Vehicle Fuel.....	0	0	1	1	1
Number of Consumers					
Residential.....	777,658	773,357	797,524	804,213	811,975
Commercial	87,735	86,457	88,163	89,168	84,992
Industrial.....	4,369	3,560	3,079	2,988	6,957
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	109	96	95	106	85
Commercial	639	604	603	642	485
Industrial.....	31,822	52,803	42,064	36,912	16,112
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.80	1.60	1.36	1.92	2.05
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	1.56	1.20	1.15	1.83	1.81
City Gate	2.80	2.86	2.36	3.05	3.47
Delivered to Consumers					
Residential.....	4.91	5.11	4.91	5.59	6.42
Commercial	4.06	4.12	3.93	4.61	5.38
Industrial.....	2.64	2.75	2.23	3.09	3.32
Vehicle Fuel.....	—	3.18	2.76	3.06	3.70
Electric Utilities	2.26	1.89	1.58	2.25	2.53

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

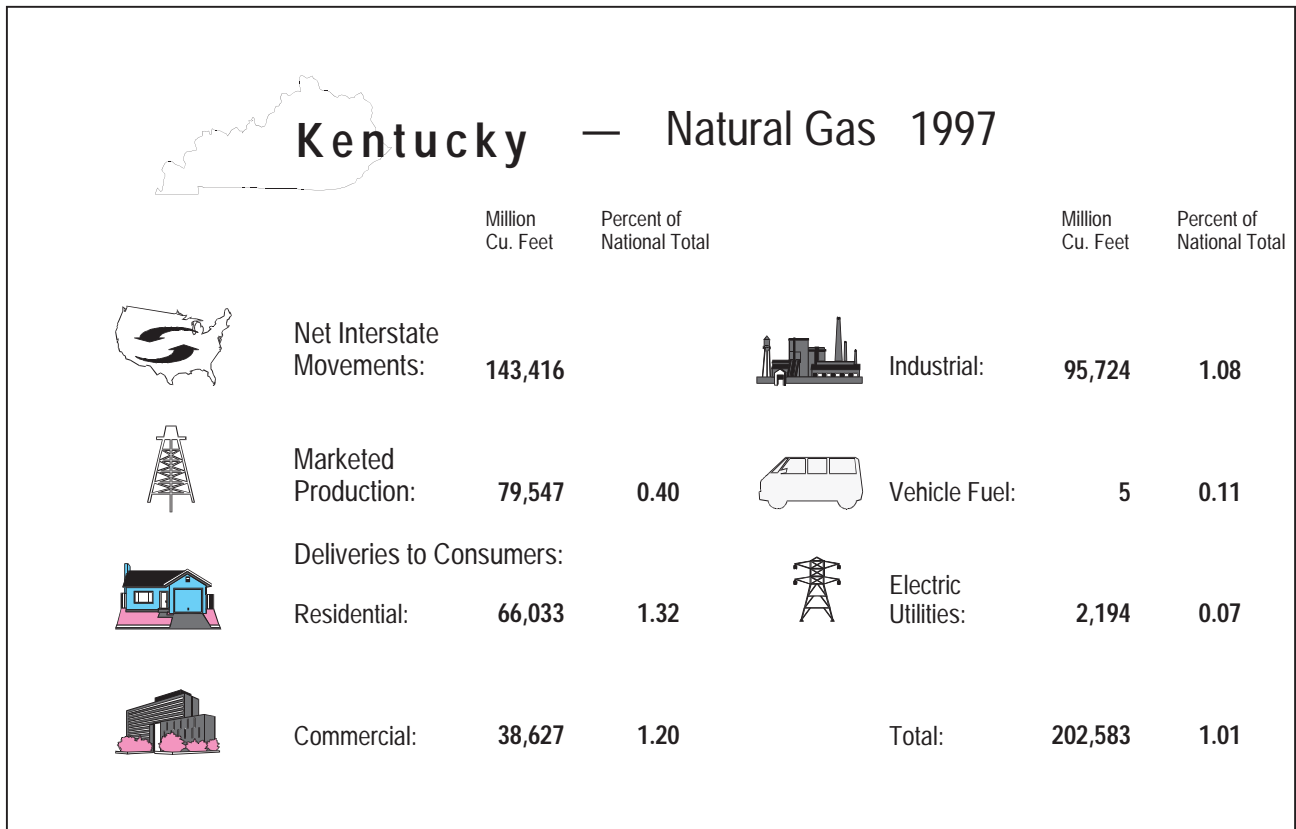


Table 64. Summary Statistics for Natural Gas — Kentucky, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,003	969	1,044	983	1,364
Number of Gas and Gas Condensate Wells					
Producing at End of Year	12,836	13,036	13,311	13,501	13,825
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	86,966	73,081	74,754	81,435	79,547
From Oil Wells.....	0	0	0	0	0
Total.....	86,966	73,081	74,754	81,435	79,547
Repressuring	*	*	*	0	0
Nonhydrocarbon Gases Removed.....	*	*	*	0	0
Wet After Lease Separation	86,966	73,081	74,754	81,435	79,547
Vented and Flared.....	*	*	*	0	0
Marketed Production	86,966	73,081	74,754	81,435	79,547
Extraction Loss.....	2,252	2,024	2,303	2,385	2,404
Total Dry Production.....	84,714	71,057	72,451	79,050	77,143
Supply (million cubic feet)					
Dry Production.....	84,714	71,057	72,451	79,050	77,143
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	3,314,559	3,663,838	3,689,277	3,956,093	3,576,553
Withdrawals from Storage					
Underground Storage.....	59,742	54,986	65,739	61,968	60,086
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	16	50	6	45	24
Balancing Item.....	-63,628	56,159	-37,282	87,501	4,299
Total Supply.....	3,395,404	3,846,090	3,790,191	4,184,657	3,718,105

See footnotes at end of table.

Table 64. Summary Statistics for Natural Gas — Kentucky, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	203,295	208,386	224,046	236,445	227,894
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	3,143,992	3,577,873	3,507,584	3,878,714	3,433,137
Additions to Storage					
Underground Storage	48,117	59,831	58,561	69,498	57,073
LNG Storage	0	0	0	0	0
Total Disposition	3,395,404	3,846,090	3,790,191	4,184,657	3,718,105
Consumption (million cubic feet)					
Lease Fuel	2,573	2,162	1,945	1,744	1,816
Pipeline Fuel	19,017	22,903	25,007	26,490	22,854
Plant Fuel	689	611	702	682	641
Delivered to Consumers					
Residential	66,909	62,533	66,149	70,232	66,033
Commercial	37,817	36,744	38,610	40,972	38,627
Industrial	76,020	83,081	90,764	94,481	95,724
Vehicle Fuel	1	2	2	8	5
Electric Utilities	269	350	866	1,836	2,194
Total Delivered to Consumers	181,016	182,710	196,392	207,529	202,583
Total Consumption	203,295	208,386	224,046	236,445	227,894
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	2,809	3,171	4,169	3,773	3,860
Industrial	53,163	57,149	65,659	68,850	77,303
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	66,909	62,451	66,062	70,229	66,033
Commercial	36,334	34,466	34,971	37,366	35,015
Industrial	38,148	44,181	49,189	56,509	55,068
Electric Utilities	205	267	493	648	797
Vehicle Fuel	1	2	2	8	5
Interruptible Deliveries (million cubic feet)					
Residential	NA	82	87	4	0
Commercial	1,484	2,278	3,640	3,606	3,612
Industrial	37,872	38,900	41,575	37,972	40,656
Electric Utilities	22	3	25	12	3
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	654,664	668,774	685,481	696,989	713,509
Commercial	71,998	73,562	74,521	76,079	77,693
Industrial	1,585	1,621	1,630	1,633	1,698
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	102	94	96	101	93
Commercial	525	499	518	539	497
Industrial	47,962	51,253	55,683	57,857	56,375
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.28	2.24	1.64	2.55	2.66
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.67	1.95	1.83	2.63	2.51
City Gate	3.21	3.13	2.80	3.41	3.83
Delivered to Consumers					
Residential	5.25	5.46	5.05	5.54	6.37
Commercial	4.82	4.98	4.60	5.09	5.79
Industrial	3.66	3.64	3.26	3.87	4.19
Vehicle Fuel	5.30	4.62	5.10	5.54	6.68
Electric Utilities	3.07	2.93	3.01	3.49	3.45

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

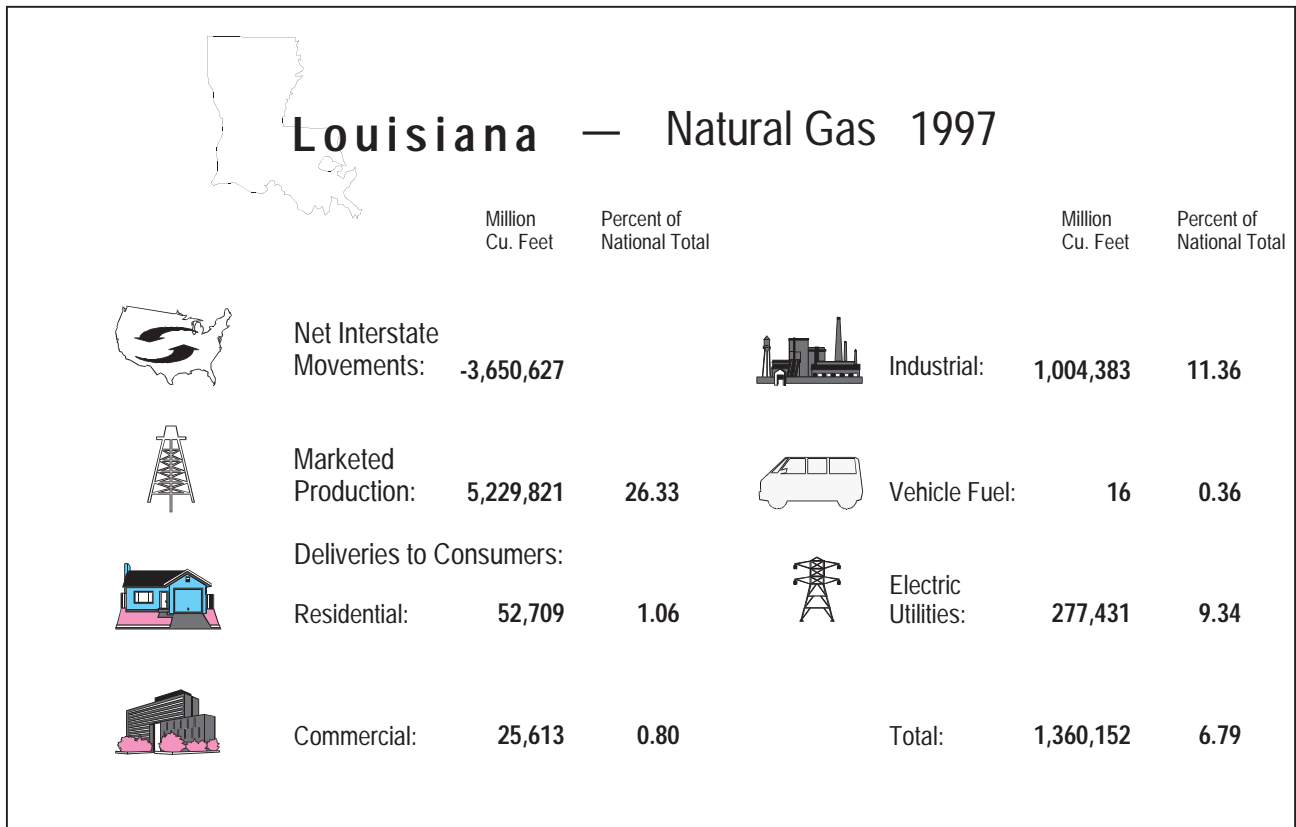


Table 65. Summary Statistics for Natural Gas — Louisiana, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31 ^a	28,557	30,583	30,666	9,543	9,673
Number of Gas and Gas Condensate Wells					
Producing at End of Year	15,569	12,958	14,169	15,295	14,958
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	4,375,820	4,527,042	4,481,388	4,642,272	4,613,916
From Oil Wells.....	670,803	699,055	681,392	659,706	685,040
Total.....	5,046,623	5,226,097	5,162,780	5,301,978	5,298,956
Repressuring	35,904	36,703	35,684	39,526	47,207
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	5,010,719	5,189,394	5,127,096	5,262,452	5,251,749
Vented and Flared.....	19,580	19,689	18,729	21,705	21,928
Marketed Production	4,991,138	5,169,705	5,108,366	5,240,747	5,229,821
Extraction Loss.....	130,336	128,583	146,048	139,841	150,008
Total Dry Production.....	4,860,802	5,041,122	4,962,318	5,100,906	5,079,813
Supply (million cubic feet)					
Dry Production.....	4,860,802	5,041,122	4,962,318	5,100,906	5,079,813
Receipts at State Borders					
Imports	30,790	17,887	5,149	7,042	30,596
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,831,797	1,844,714	2,164,567	2,373,002	2,106,229
Withdrawals from Storage					
Underground Storage.....	221,931	184,731	262,328	260,117	293,076
LNG Storage	32,033	18,252	4,723	7,056	28,245
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	197,928	409,022	86,580	95,441	241,455
Total Supply.....	7,175,281	7,515,728	7,485,667	7,843,563	7,779,414

See footnotes at end of table.

Table 65. Summary Statistics for Natural Gas — Louisiana, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	1,578,443	1,623,766	1,717,914	1,664,447	1,659,218
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	5,336,593	5,649,614	5,553,146	5,922,946	5,787,452
Additions to Storage					
Underground Storage	229,568	224,525	209,575	249,153	302,324
LNG Storage	30,677	17,823	5,032	7,016	30,419
Total Disposition	7,175,281	7,515,728	7,485,667	7,843,563	7,779,414
Consumption (million cubic feet)					
Lease Fuel	147,888	140,571	133,825	144,486	156,387
Pipeline Fuel	56,191	63,257	64,729	67,761	71,523
Plant Fuel	74,925	66,600	75,845	69,235	71,155
Delivered to Consumers					
Residential	56,609	52,981	52,603	56,626	52,709
Commercial	25,157	24,184	23,833	25,746	25,613
Industrial	973,682	999,034	1,044,136	1,048,432	1,004,383
Vehicle Fuel	8	22	21	23	16
Electric Utilities	243,983	277,116	322,923	252,139	277,431
Total Delivered to Consumers	1,299,439	1,353,337	1,443,515	1,382,966	1,360,152
Total Consumption	1,578,443	1,623,766	1,717,914	1,664,447	1,659,218
Delivered for the Account of Others (million cubic feet)					
Residential	2	0	3	9	9
Commercial	479	505	464	451	1,048
Industrial	670,825	759,747	733,133	942,276	903,298
Electric Utilities	182,535	174,324	239,903	202,033	186,028
Firm Deliveries (million cubic feet)					
Residential	56,609	52,689	52,603	56,626	52,709
Commercial	18,275	18,058	17,786	19,074	18,576
Industrial	596,135	592,738	754,940	760,019	576,270
Electric Utilities	97,059	87,013	144,622	97,584	124,653
Vehicle Fuel	8	22	21	23	16
Interruptible Deliveries (million cubic feet)					
Residential	NA	292	0	0	0
Commercial	6,882	6,126	6,047	6,672	7,037
Industrial	377,547	406,296	289,196	288,413	428,113
Electric Utilities	123,289	121,083	162,808	127,265	77,548
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	941,294	945,387	957,558	945,967	962,786
Commercial	62,055	62,184	62,930	62,101	62,270
Industrial	1,592	1,737	1,383	1,444	1,430
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	60	56	55	60	55
Commercial	405	389	379	415	411
Industrial	611,610	575,149	754,979	726,061	702,366
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.14	2.08	1.58	2.33	2.36
Imports	1.70	1.71	1.85	2.22	2.63
Exports	—	—	—	—	—
Pipeline Fuel	2.40	1.44	1.61	2.58	2.59
City Gate	2.72	2.54	2.21	3.13	3.04
Delivered to Consumers					
Residential	6.09	6.24	6.01	6.76	7.16
Commercial	5.33	5.42	5.15	6.09	6.22
Industrial	2.30	2.17	1.82	2.84	2.87
Vehicle Fuel	3.47	2.36	2.99	3.53	5.57
Electric Utilities	2.49	2.17	1.88	2.94	2.79

^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.

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ty and Value of Natural Gas Report" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

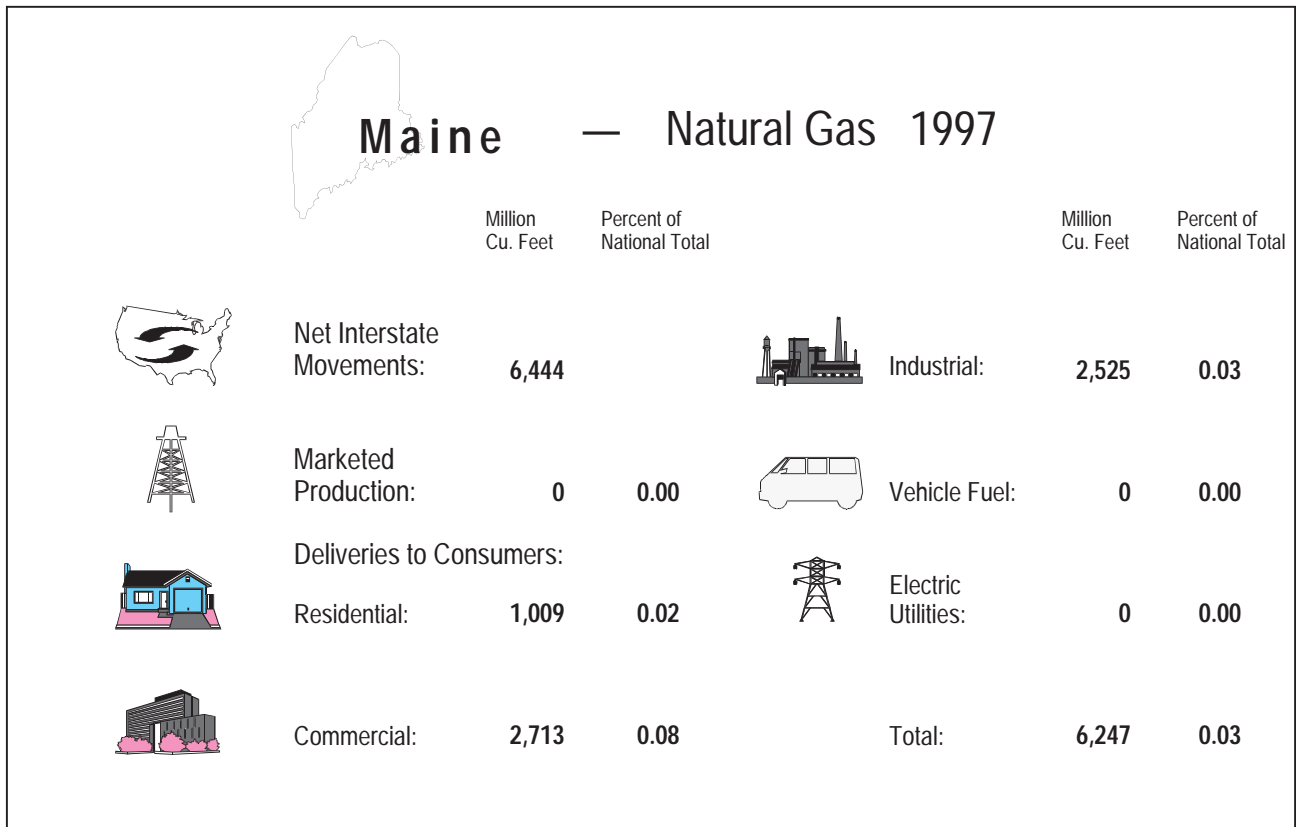


Table 66. Summary Statistics for Natural Gas — Maine, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	4,989	4,928	5,533	5,907	6,444
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	19	22	16	22	13
Supplemental Gas Supplies.....	0	0	96	61	31
Balancing Item.....	-24	131	-196	-241	-231
Total Supply	4,985	5,082	5,448	5,749	6,258

See footnotes at end of table.

Table 66. Summary Statistics for Natural Gas — Maine, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	4,968	5,055	5,429	5,722	6,247
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	16	27	19	26	11
Total Disposition	4,985	5,082	5,448	5,749	6,258
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	2	9	96	0	0
Plant Fuel.....	0	0	0	0	0
Delivered to Consumers					
Residential.....	901	894	913	967	1,009
Commercial	2,311	2,381	2,426	2,566	2,713
Industrial.....	1,753	1,771	1,993	2,190	2,525
Vehicle Fuel.....	0	0	0	0	0
Electric Utilities.....	0	0	0	0	0
Total Delivered to Consumers	4,966	5,045	5,333	5,722	6,247
Total Consumption.....	4,968	5,055	5,429	5,722	6,247
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	197	218
Electric Utilities.....	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential.....	901	894	913	967	1,009
Commercial	2,311	2,381	2,426	2,566	2,713
Industrial.....	1,753	1,166	1,343	1,650	1,835
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	0	0	0	0	0
Industrial.....	0	604	650	539	690
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	13,880	14,104	14,917	14,982	15,221
Commercial	4,979	5,297	5,819	6,414	6,606
Industrial.....	66	89	74	87	81
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	65	63	61	65	66
Commercial	464	449	417	400	411
Industrial.....	26,564	19,895	26,936	25,170	31,172
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	3.91	3.50	5.50	—	—
City Gate	3.69	2.98	3.35	4.30	3.84
Delivered to Consumers					
Residential.....	7.47	7.83	7.32	7.84	8.47
Commercial	6.76	6.97	6.51	7.09	7.70
Industrial.....	4.65	4.79	4.46	5.22	5.55
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.

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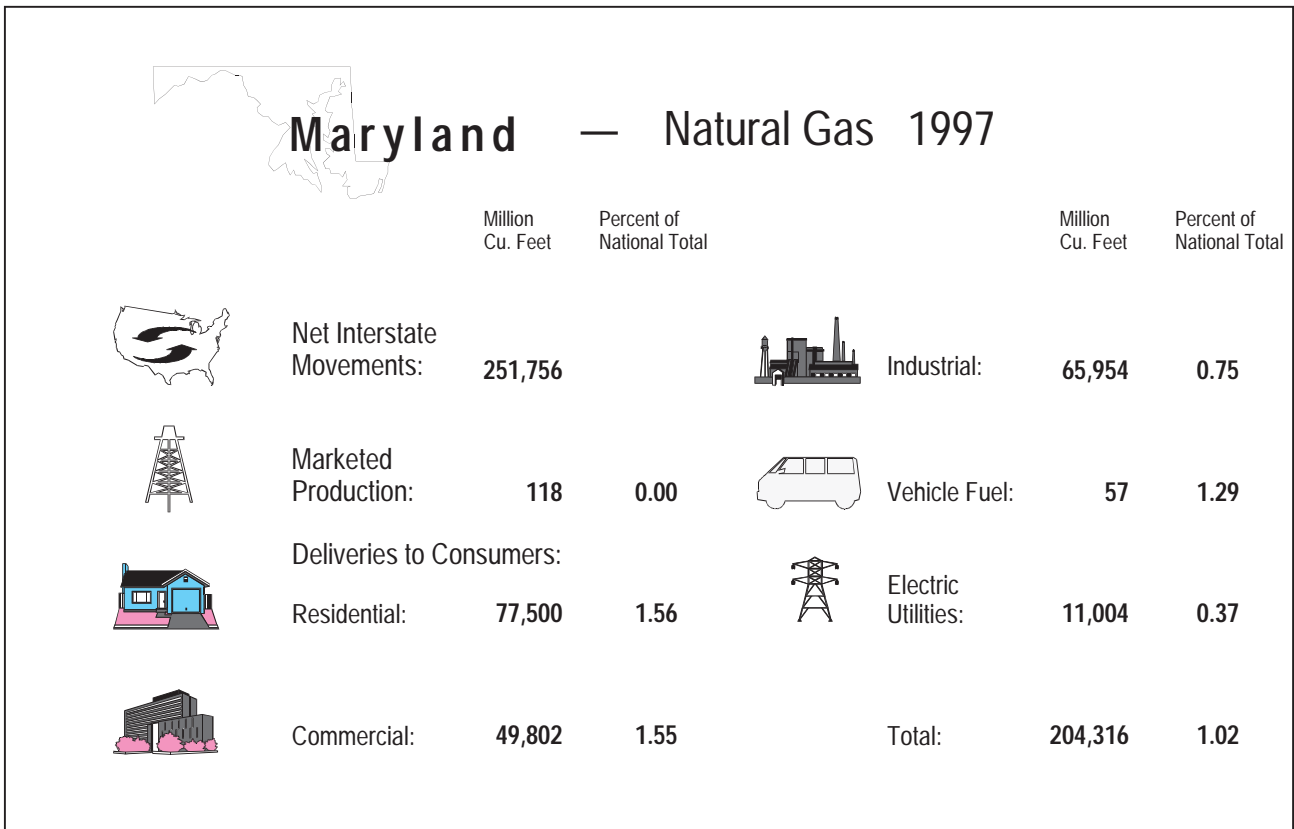


Table 67. Summary Statistics for Natural Gas — Maryland, 1993-1997

	1993	1994	1995	1996	1997
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	7	8	8
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	28	26	22	135	118
From Oil Wells.....	0	0	0	0	0
Total.....	28	26	22	135	118
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	28	26	22	135	118
Vented and Flared.....	0	0	0	0	0
Marketed Production	28	26	22	135	118
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	28	26	22	135	118
Supply (million cubic feet)					
Dry Production.....	28	26	22	135	118
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	855,001	883,179	864,322	882,473	932,773
Withdrawals from Storage					
Underground Storage.....	20,420	17,406	19,658	17,472	14,966
LNG Storage	610	529	540	691	252
Supplemental Gas Supplies.....	418	987	609	882	178
Balancing Item.....	18,085	-45,552	-21,359	-14,538	-42,878
Total Supply.....	894,562	856,574	863,793	887,114	905,409

See footnotes at end of table.

Table 67. Summary Statistics for Natural Gas — Maryland, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	180,614	183,734	194,099	192,528	207,443
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	697,939	656,585	652,253	672,257	681,017
Additions to Storage					
Underground Storage.....	15,314	15,316	15,610	17,448	15,510
LNG Storage	696	939	1,831	4,881	1,439
Total Disposition	894,562	856,574	863,793	887,114	905,409
Consumption (million cubic feet)					
Lease Fuel.....	1	1	1	3	3
Pipeline Fuel.....	2,429	2,475	2,826	2,624	3,124
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential.....	76,871	76,688	76,552	85,533	77,500
Commercial	43,635	44,136	46,874	45,842	49,802
Industrial.....	48,842	47,691	48,963	50,022	65,954
Vehicle Fuel.....	19	25	50	49	57
Electric Utilities	8,817	12,718	18,833	8,455	11,004
Total Delivered to Consumers	178,185	181,259	191,272	189,901	204,316
Total Consumption.....	180,614	183,734	194,099	192,528	207,443
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	1,338	2,503
Commercial	1,497	1,291	1,469	3,734	16,394
Industrial.....	38,989	39,697	42,475	44,186	61,067
Electric Utilities	3,034	4,186	6,489	9,518	10,873
Firm Deliveries (million cubic feet)					
Residential.....	76,871	76,688	76,552	84,201	77,500
Commercial	35,491	36,183	37,079	36,098	31,319
Industrial.....	12,535	11,836	10,189	17,777	19,245
Electric Utilities	1,231	2,977	4,469	8,228	2,657
Vehicle Fuel.....	19	25	38	34	33
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	1,332	0
Commercial	8,144	7,953	9,795	9,744	18,482
Industrial.....	36,307	35,856	38,773	32,245	46,709
Electric Utilities	5,770	9,910	12,129	1,496	8,254
Vehicle Fuel.....	0	0	12	15	24
Number of Consumers					
Residential.....	807,204	824,137	841,772	871,012	890,195
Commercial	63,767	64,698	66,094	69,991	69,056
Industrial.....	496	516	481	430	479
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	95	93	91	98	87
Commercial	684	682	709	655	721
Industrial.....	98,472	92,425	101,794	116,331	137,690
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.44	1.37	1.42	—	2.23
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	2.08	2.01	1.81	2.48	2.98
City Gate	3.53	3.38	2.87	4.02	4.02
Delivered to Consumers					
Residential.....	7.08	6.95	6.62	7.60	8.36
Commercial	5.72	5.46	5.06	6.08	6.53
Industrial.....	3.59	4.04	3.21	5.36	3.25
Vehicle Fuel.....	3.57	3.76	3.06	3.82	3.58
Electric Utilities	3.01	2.57	2.24	3.11	2.97

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

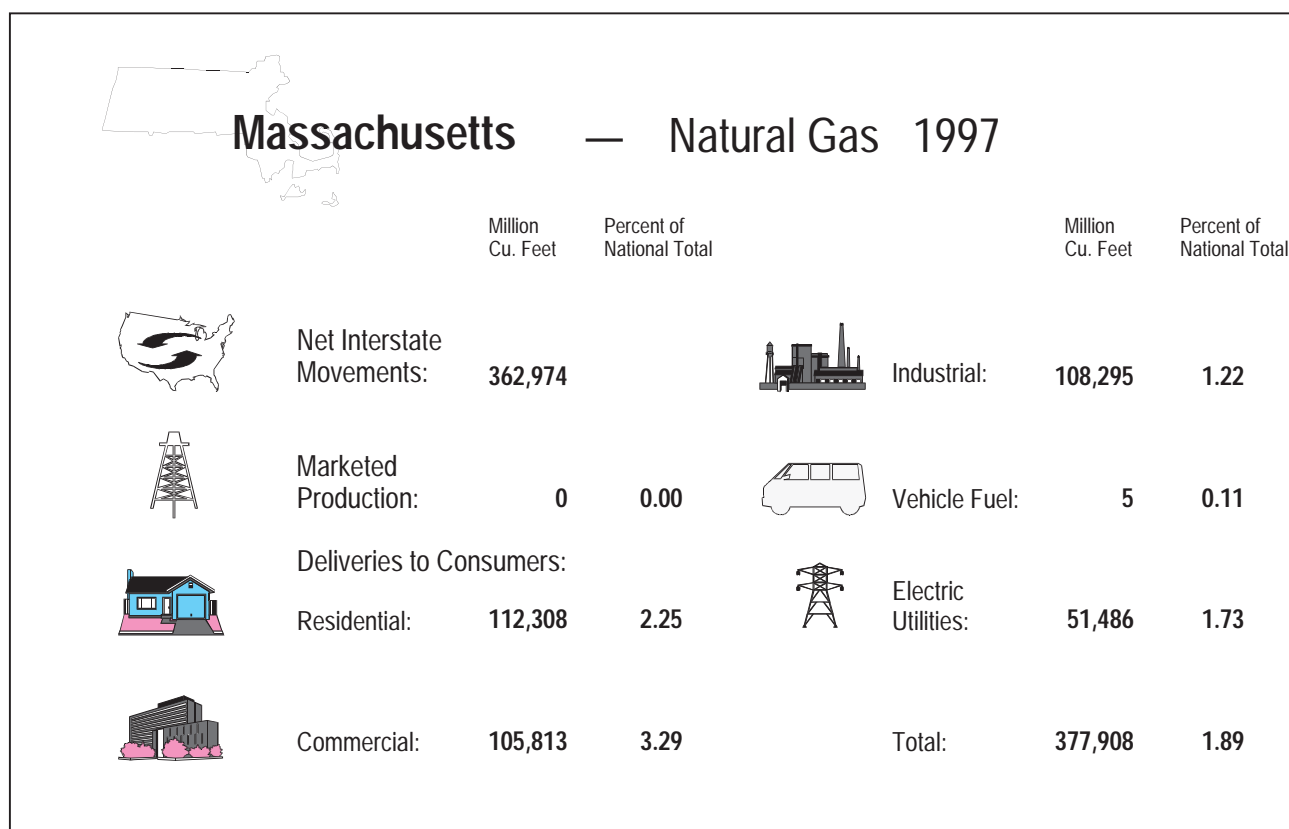


Table 68. Summary Statistics for Natural Gas — Massachusetts, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	50,895	32,891	12,769	33,232	47,183
Intransit Receipts	0	0	0	0	0
Interstate Receipts	278,925	292,161	541,527	462,643	387,349
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	7,900	12,369	9,033	11,471	8,565
Supplemental Gas Supplies.....	61	154	420	426	147
Balancing Item.....	40,758	53,622	-96,577	-60,001	13,626
Total Supply.....	378,539	391,198	467,172	447,771	456,870

See footnotes at end of table.

Table 68. Summary Statistics for Natural Gas — Massachusetts, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	312,343	337,368	362,301	357,740	380,263
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	60,665	48,281	98,974	83,924	71,558
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	5,531	5,550	5,898	6,107	5,049
Total Disposition	378,539	391,198	467,172	447,771	456,870
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	2,234	1,817	1,872	2,131	2,356
Plant Fuel.....	0	0	0	0	0
Delivered to Consumers					
Residential.....	121,228	119,642	105,795	114,365	112,308
Commercial	65,429	84,534	82,270	96,187	105,813
Industrial	94,658	92,798	107,730	100,015	108,295
Vehicle Fuel.....	2	9	12	5	5
Electric Utilities	28,793	38,567	64,623	45,037	51,486
Total Delivered to Consumers	310,109	335,551	360,429	355,609	377,908
Total Consumption.....	312,343	337,368	362,301	357,740	380,263
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	103	1,038
Commercial	1,625	20,132	12,453	24,311	39,539
Industrial	65,739	67,072	73,793	74,115	86,377
Electric Utilities	9,725	29,992	50,087	39,460	44,658
Firm Deliveries (million cubic feet)					
Residential.....	121,228	119,642	105,795	114,365	112,308
Commercial	58,104	60,879	70,872	74,480	74,822
Industrial	75,097	67,512	75,876	71,575	77,970
Electric Utilities	12,331	21,361	32,812	39,411	43,215
Vehicle Fuel.....	2	8	10	1	1
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	7,325	23,656	11,397	21,707	30,991
Industrial	19,562	25,286	31,854	28,440	30,325
Electric Utilities	10,311	19,983	33,541	6,345	10,476
Vehicle Fuel.....	0	1	2	4	4
Number of Consumers					
Residential.....	1,155,443	1,179,869	1,180,860	1,188,317	1,204,494
Commercial	102,187	92,744	104,453	105,889	107,926
Industrial.....	7,283	8,019	10,447	10,952	11,063
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	105	101	90	96	93
Commercial	640	911	788	908	980
Industrial.....	12,997	11,572	10,312	9,132	9,789
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	2.50	2.59	2.48	2.92	2.81
Exports	—	—	—	—	—
Pipeline Fuel.....	2.71	2.13	2.00	2.74	2.67
City Gate	3.98	3.98	3.53	3.98	3.85
Delivered to Consumers					
Residential.....	8.33	8.94	9.04	8.88	9.43
Commercial	6.04	6.82	6.59	6.74	7.34
Industrial	5.08	5.25	4.43	5.37	5.78
Vehicle Fuel.....	4.97	2.32	4.22	4.51	3.70
Electric Utilities	2.72	2.32	2.06	3.07	3.11

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

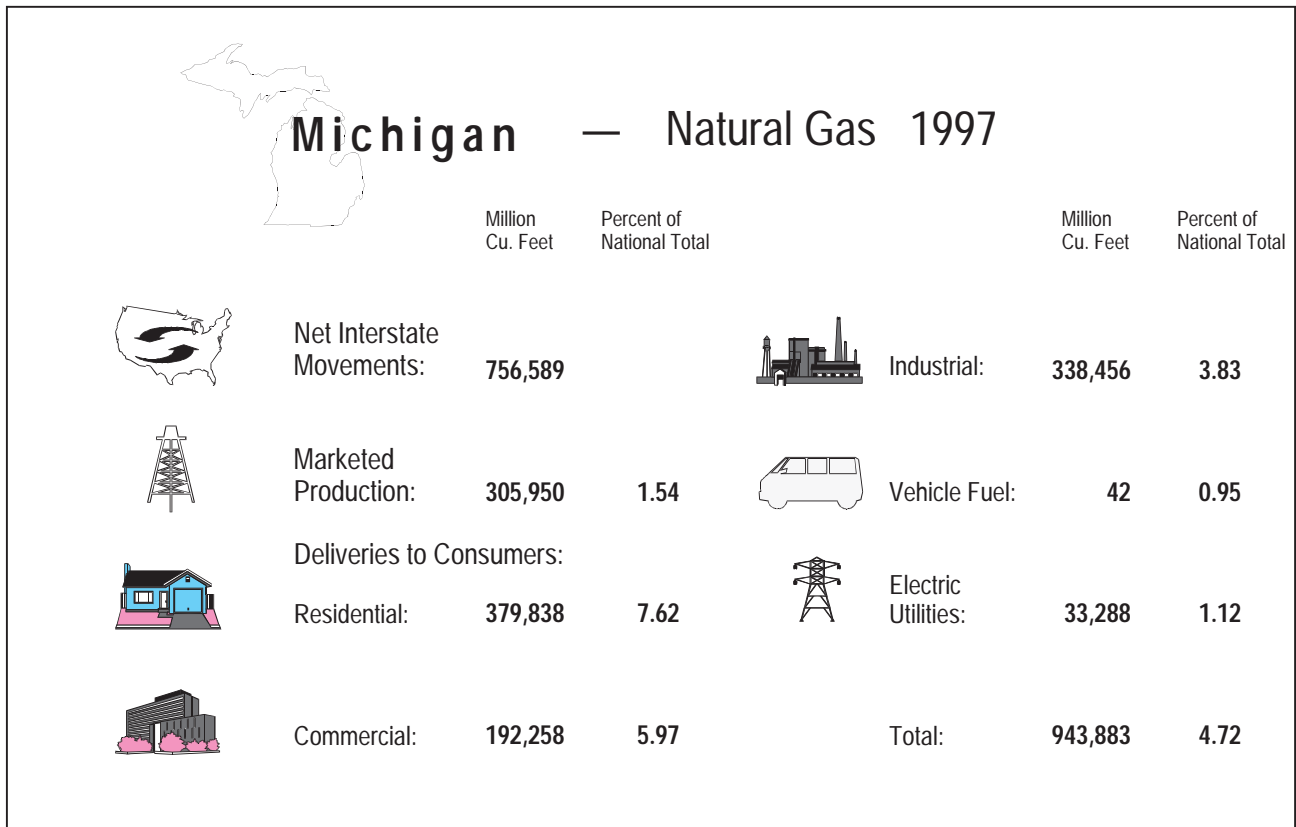


Table 69. Summary Statistics for Natural Gas — Michigan, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,160	1,323	1,294	2,061	2,195
Number of Gas and Gas Condensate Wells					
Producing at End of Year	5,500	6,000	5,258	5,826	6,825
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	126,179	136,989	146,320	201,123	249,291
From Oil Wells.....	84,119	91,332	97,547	50,281	62,323
Total.....	210,299	228,321	243,867	251,404	311,614
Repressuring	2,340	2,340	2,340	2,340	2,340
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	207,959	225,981	241,527	249,064	309,274
Vented and Flared.....	3,324	3,324	3,324	3,324	3,324
Marketed Production	204,635	222,657	238,203	245,740	305,950
Extraction Loss.....	7,012	6,371	6,328	6,399	6,147
Total Dry Production.....	197,623	216,286	231,875	239,341	299,803
Supply (million cubic feet)					
Dry Production.....	197,623	216,286	231,875	239,341	299,803
Receipts at State Borders					
Imports	34,874	17,320	26,475	29,043	23,356
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,042,778	1,495,917	1,355,745	1,516,628	1,452,628
Withdrawals from Storage					
Underground Storage.....	437,280	389,224	494,531	471,467	421,264
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	12,795	13,688	21,378	21,848	22,238
Balancing Item.....	32,932	-214,223	-66,012	-33,618	-95,525
Total Supply.....	1,758,282	1,918,212	2,063,992	2,244,709	2,123,764

See footnotes at end of table.

Table 69. Summary Statistics for Natural Gas — Michigan, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	913,033	926,023	970,851	1,014,947	979,719
Deliveries at State Borders					
Exports	44,413	49,470	26,948	50,363	56,447
Intransit Deliveries.....	324,093	472,499	492,481	536,333	516,620
Interstate Deliveries	431	0	196,589	139,929	146,328
Additions to Storage					
Underground Storage.....	476,312	470,220	377,121	503,138	424,651
LNG Storage	0	0	0	0	0
Total Disposition	1,758,282	1,918,212	2,063,992	2,244,709	2,123,764
Consumption (million cubic feet)					
Lease Fuel.....	4,889	6,399	6,198	5,478	9,386
Pipeline Fuel.....	23,874	22,521	24,851	25,903	23,776
Plant Fuel.....	3,282	3,367	3,337	3,011	2,674
Delivered to Consumers					
Residential.....	369,801	364,588	380,025	399,522	379,838
Commercial	180,230	183,068	194,078	201,390	192,258
Industrial.....	312,050	327,848	326,551	347,043	338,456
Vehicle Fuel.....	10	14	27	40	42
Electric Utilities	18,898	18,218	35,784	32,559	33,288
Total Delivered to Consumers	880,988	893,735	936,466	980,555	943,883
Total Consumption.....	913,033	926,023	970,851	1,014,947	979,719
Delivered for the Account of Others (million cubic feet)					
Residential.....	4,283	4,245	4,184	4,309	4,353
Commercial	56,547	62,825	65,266	66,621	69,739
Industrial.....	283,775	292,945	296,745	315,568	308,012
Electric Utilities	16,324	17,820	28,369	26,067	25,961
Firm Deliveries (million cubic feet)					
Residential.....	369,801	364,588	380,025	399,522	379,838
Commercial	179,323	182,234	193,170	200,521	192,218
Industrial.....	284,928	294,701	311,742	335,074	337,318
Electric Utilities	16,621	18,019	28,494	26,385	26,493
Vehicle Fuel.....	10	14	27	40	42
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	907	834	908	870	40
Industrial.....	27,122	33,148	14,809	11,969	1,139
Electric Utilities	100	199	476	66	45
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	2,677,085	2,717,683	2,767,190	2,812,876	2,859,483
Commercial	204,453	207,629	211,817	214,843	465,726
Industrial.....	11,425	11,308	11,454	11,848	12,236
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	138	134	137	142	133
Commercial	882	882	916	937	413
Industrial.....	27,313	28,993	28,510	29,291	27,661
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.38	1.96	1.67	2.21	2.19
Imports	2.02	2.16	1.90	2.89	2.84
Exports	2.14	2.49	1.97	2.66	2.52
Pipeline Fuel.....	0.26	0.20	0.54	1.04	0.95
City Gate	2.89	2.70	2.61	2.90	2.99
Delivered to Consumers					
Residential.....	5.04	4.98	4.72	4.96	5.20
Commercial	4.66	4.68	4.46	4.75	5.00
Industrial.....	3.91	3.93	3.62	3.87	4.02
Vehicle Fuel.....	3.36	2.84	3.08	3.38	4.01
Electric Utilities	0.92	0.97	0.73	0.74	0.79

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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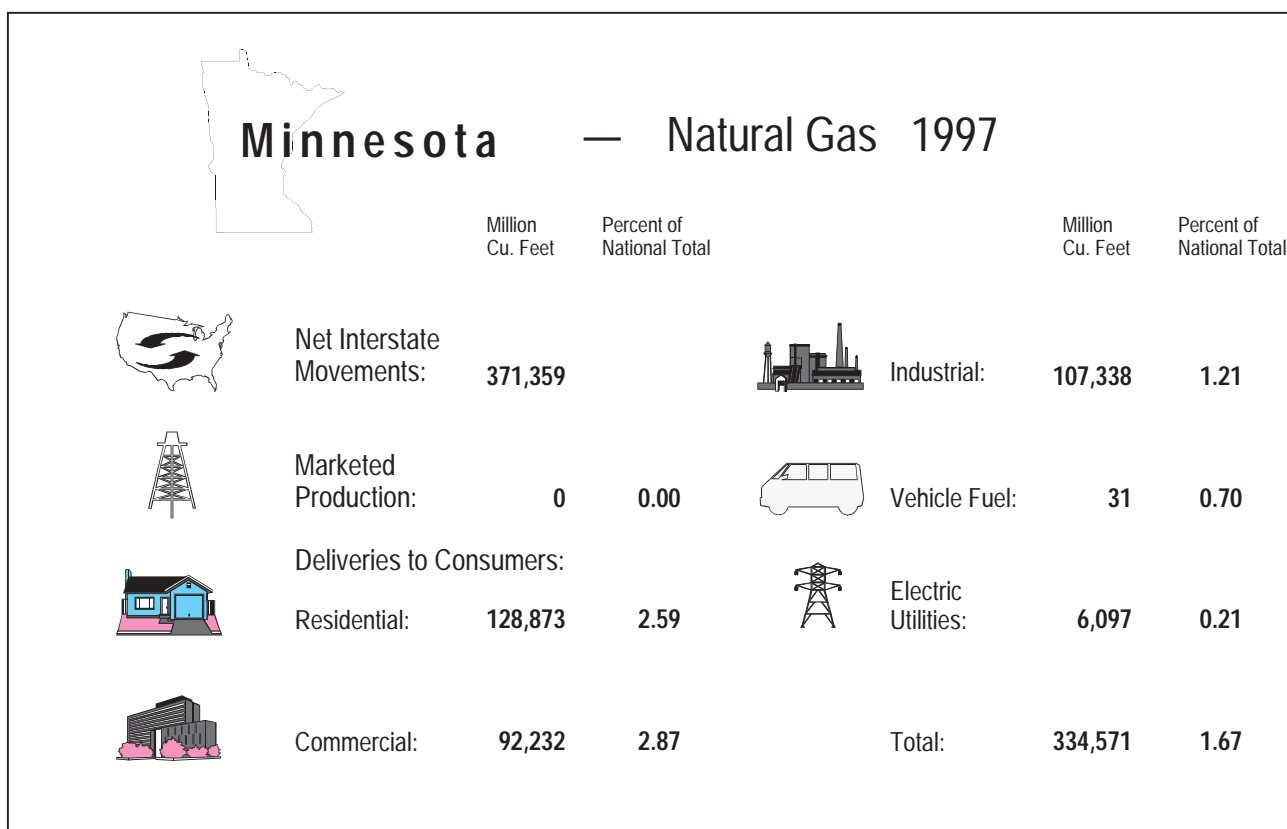


Table 70. Summary Statistics for Natural Gas — Minnesota, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	383,702	387,466	406,883	401,473	402,706
Intransit Receipts	324,093	487,760	492,481	536,333	548,000
Interstate Receipts	756,282	814,096	863,304	892,727	849,959
Withdrawals from Storage					
Underground Storage.....	1,834	1,192	1,582	1,625	1,044
LNG Storage	5,864	5,537	4,731	5,861	1,715
Supplemental Gas Supplies.....	78	289	194	709	172
Balancing Item.....	199,493	12,630	23,255	-16,814	-17,106
Total Supply.....	1,671,346	1,708,970	1,792,431	1,821,914	1,786,490

See footnotes at end of table.

Table 70. Summary Statistics for Natural Gas — Minnesota, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	327,939	323,815	353,076	368,426	354,080
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	1,335,315	1,377,432	1,434,132	1,443,843	1,429,306
Additions to Storage					
Underground Storage.....	1,762	1,556	1,478	1,655	1,417
LNG Storage	6,330	6,167	3,746	7,990	1,686
Total Disposition	1,671,346	1,708,970	1,792,431	1,821,914	1,786,490
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	16,227	17,310	19,175	19,755	19,509
Plant Fuel.....	0	0	0	0	0
Delivered to Consumers					
Residential.....	123,401	122,249	128,736	142,319	128,873
Commercial	86,629	83,933	90,658	98,537	92,232
Industrial.....	97,771	94,468	106,189	102,471	107,338
Vehicle Fuel.....	1	29	26	43	31
Electric Utilities	3,910	5,826	8,292	5,301	6,097
Total Delivered to Consumers	311,712	306,505	333,900	348,671	334,571
Total Consumption.....	327,939	323,815	353,076	368,426	354,080
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	2,623	3,336	5,696	3,768	1,077
Industrial.....	55,355	53,928	69,467	60,195	63,995
Electric Utilities	1,071	906	734	0	0
Firm Deliveries (million cubic feet)					
Residential.....	123,401	122,249	128,614	142,228	128,806
Commercial	62,193	62,668	65,910	72,740	64,568
Industrial.....	65,091	57,965	45,815	45,226	46,258
Electric Utilities	106	1,701	2,285	2,097	2,145
Vehicle Fuel.....	1	29	26	5	8
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	122	91	66
Commercial	24,436	21,265	24,748	25,797	27,664
Industrial.....	32,680	36,503	60,374	57,246	61,080
Electric Utilities	2,201	2,296	2,337	1,455	1,972
Vehicle Fuel.....	0	0	0	38	23
Number of Consumers					
Residential.....	1,074,631	1,049,263	1,080,009	1,103,709	1,134,019
Commercial	93,062	102,857	103,874	105,531	108,686
Industrial.....	2,477	2,592	2,531	2,564	2,245
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	115	117	119	129	114
Commercial	931	816	873	934	849
Industrial.....	39,471	36,446	41,955	39,965	47,812
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	2.07	2.06	1.81	2.38	2.45
Exports	—	—	—	—	—
Pipeline Fuel.....	0.47	0.47	0.37	0.68	0.63
City Gate	3.11	2.85	2.52	3.07	3.67
Delivered to Consumers					
Residential.....	5.31	5.18	4.80	5.46	5.76
Commercial	4.52	4.36	3.98	4.63	4.80
Industrial.....	3.20	2.87	2.45	2.97	3.28
Vehicle Fuel.....	6.08	1.90	1.82	3.42	3.50
Electric Utilities	2.47	2.14	1.77	2.18	2.44

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

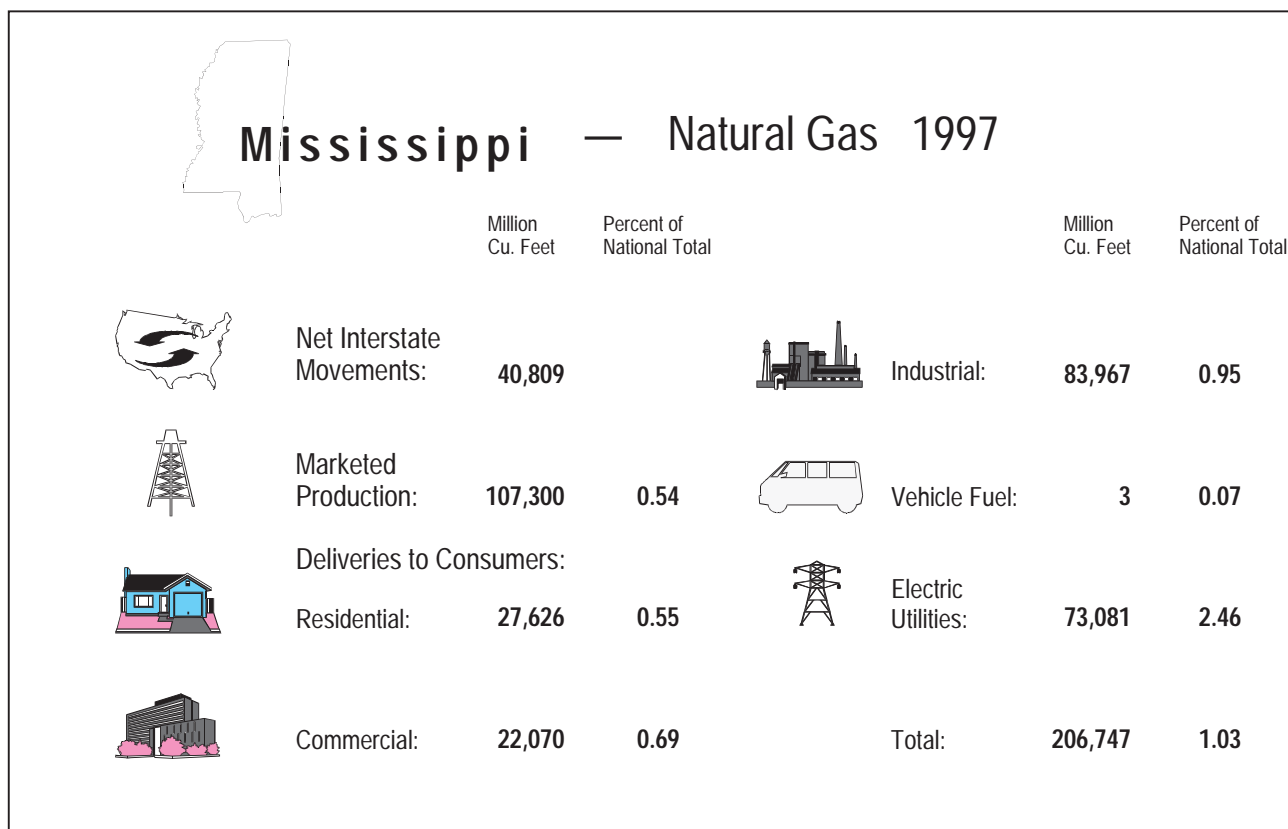


Table 71. Summary Statistics for Natural Gas — Mississippi, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	797	650	663	631	582
Number of Gas and Gas Condensate Wells					
Producing at End of Year	620	583	535	568	560
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	129,395	112,205	113,401	117,412	119,347
From Oil Wells.....	15,631	9,597	6,051	6,210	7,276
Total.....	145,026	121,802	119,452	123,622	126,623
Repressuring	14,092	12,083	11,321	9,366	8,414
Nonhydrocarbon Gases Removed.....	48,017	44,344	10,364	8,316	8,166
Wet After Lease Separation	82,917	65,376	97,767	105,940	110,042
Vented and Flared.....	2,222	1,928	2,234	2,677	2,742
Marketed Production	80,695	63,448	95,533	103,263	107,300
Extraction Loss.....	395	425	377	340	300
Total Dry Production.....	80,300	63,023	95,156	102,923	107,000
Supply (million cubic feet)					
Dry Production.....	80,300	63,023	95,156	102,923	107,000
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	5,279,804	5,660,877	5,623,521	5,880,172	5,701,467
Withdrawals from Storage					
Underground Storage.....	55,786	50,526	82,604	75,926	66,979
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	27,069	41,449	394,349	372,489	103,806
Total Supply.....	5,442,959	5,815,874	6,195,630	6,431,510	5,979,252

See footnotes at end of table.

Table 71. Summary Statistics for Natural Gas — Mississippi, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	229,941	257,647	288,067	269,296	255,378
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	5,157,115	5,493,256	5,832,741	6,073,530	5,660,658
Additions to Storage					
Underground Storage.....	55,903	64,972	74,821	88,684	63,216
LNG Storage	0	0	0	0	0
Total Disposition	5,442,959	5,815,874	6,195,630	6,431,510	5,979,252
Consumption (million cubic feet)					
Lease Fuel.....	4,291	3,169	3,108	3,202	3,280
Pipeline Fuel.....	37,500	39,162	41,674	49,188	44,979
Plant Fuel	538	463	399	382	372
Delivered to Consumers					
Residential.....	28,347	27,086	26,960	30,157	27,626
Commercial	19,199	19,232	19,904	22,225	22,070
Industrial.....	100,166	85,984	84,526	80,887	83,967
Vehicle Fuel.....	0	9	267	5	3
Electric Utilities	39,900	82,541	111,229	83,251	73,081
Total Delivered to Consumers	187,611	214,852	242,887	216,524	206,747
Total Consumption.....	229,941	257,647	288,067	269,296	255,378
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	647	647	615	585	1,148
Industrial.....	60,506	48,154	48,691	47,133	50,692
Electric Utilities	26,270	31,927	40,663	57,417	58,577
Firm Deliveries (million cubic feet)					
Residential.....	28,347	27,086	26,960	30,157	27,626
Commercial	18,060	17,748	18,361	20,708	20,225
Industrial.....	31,867	48,202	47,753	43,165	47,432
Electric Utilities	30,631	1,701	3,847	2,979	15,449
Vehicle Fuel.....	0	0	267	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	1,139	1,484	1,543	1,516	1,845
Industrial.....	68,299	37,783	36,773	37,722	36,535
Electric Utilities	10,797	31,943	37,356	55,109	43,555
Vehicle Fuel.....	0	9	0	5	3
Number of Consumers					
Residential.....	398,472	405,312	415,123	418,442	423,397
Commercial	45,310	43,803	45,444	46,029	47,311
Industrial.....	1,324	1,313	1,298	1,241	1,199
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	71	67	65	72	65
Commercial	424	439	438	483	466
Industrial.....	75,654	65,487	65,120	65,178	70,031
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.73	1.49	1.24	1.66	1.73
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	2.37	1.98	1.82	2.63	2.62
City Gate	2.90	2.83	2.53	3.27	3.39
Delivered to Consumers					
Residential.....	5.23	5.46	5.28	5.72	6.35
Commercial	4.38	4.56	4.28	5.22	5.26
Industrial.....	2.99	2.98	2.71	3.43	3.55
Vehicle Fuel.....	—	2.82	1.63	2.51	2.76
Electric Utilities	2.47	1.98	1.78	2.78	2.72

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

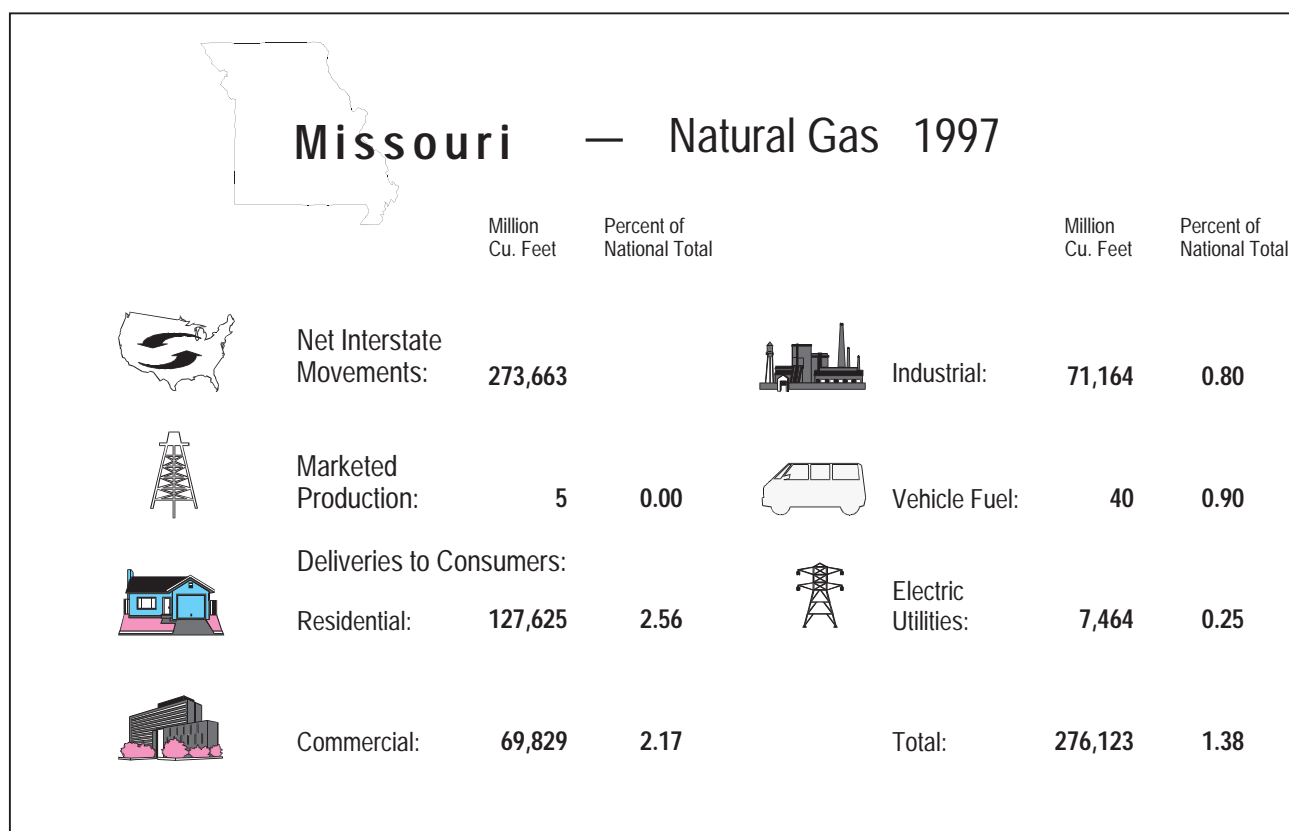


Table 72. Summary Statistics for Natural Gas — Missouri, 1993-1997

	1993	1994	1995	1996	1997
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	8	12	15	24	0
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	14	8	16	25	5
From Oil Wells.....	0	0	0	0	0
Total.....	14	8	16	25	5
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	14	8	16	25	5
Vented and Flared.....	0	0	0	0	0
Marketed Production	14	8	16	25	5
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	14	8	16	25	5
Supply (million cubic feet)					
Dry Production.....	14	8	16	25	5
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,306,977	1,442,661	1,544,992	1,556,791	1,508,139
Withdrawals from Storage					
Underground Storage.....	4,779	5,082	2,580	6,522	4,629
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	371	4	785	719
Balancing Item.....	8,729	21,145	8,664	7,022	9,645
Total Supply.....	1,320,498	1,469,266	1,556,256	1,571,146	1,523,136

See footnotes at end of table.

Table 72. Summary Statistics for Natural Gas — Missouri, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	279,562	267,594	279,078	294,270	283,579
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,036,225	1,196,675	1,274,401	1,270,306	1,234,476
Additions to Storage					
Underground Storage	4,711	4,997	2,777	6,570	5,081
LNG Storage	0	0	0	0	0
Total Disposition	1,320,498	1,469,266	1,556,256	1,571,146	1,523,136
Consumption (million cubic feet)					
Lease Fuel	0	0	*	1	0
Pipeline Fuel	9,846	2,879	7,122	7,455	7,456
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	134,172	122,566	125,110	137,225	127,625
Commercial	69,670	66,196	65,086	72,802	69,829
Industrial	60,982	71,602	68,924	71,533	71,164
Vehicle Fuel	0	1	6	31	40
Electric Utilities	4,891	4,351	12,830	5,223	7,464
Total Delivered to Consumers	269,716	264,715	271,956	286,814	276,123
Total Consumption	279,562	267,594	279,078	294,270	283,579
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	10,710	11,072	10,880	12,988	14,059
Industrial	46,608	56,873	53,484	53,656	55,638
Electric Utilities	2,607	1,246	5,794	1,848	5,132
Firm Deliveries (million cubic feet)					
Residential	134,172	122,566	125,110	137,225	127,625
Commercial	61,652	63,080	63,237	70,861	67,793
Industrial	29,882	57,967	59,542	62,930	62,257
Electric Utilities	1,374	1,243	5,826	1,879	5,161
Vehicle Fuel	0	1	6	31	40
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	8,018	3,116	1,849	1,941	2,036
Industrial	31,101	13,635	9,383	8,603	8,908
Electric Utilities	3,723	1,911	4,225	953	990
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	1,225,921	1,281,007	1,259,102	1,275,465	1,293,032
Commercial	125,571	132,378	130,318	133,445	135,553
Industrial	3,040	3,115	3,033	3,408	3,464
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	109	96	99	108	99
Commercial	555	500	499	546	515
Industrial	20,060	22,986	22,725	20,990	20,544
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.57	1.49	1.70	1.56	1.70
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.01	0.91	1.19	2.34	2.43
City Gate	3.20	3.05	2.73	3.25	3.75
Delivered to Consumers					
Residential	5.37	5.43	5.16	5.97	6.61
Commercial	4.76	4.85	4.39	5.35	5.88
Industrial	4.25	4.18	3.48	4.35	4.78
Vehicle Fuel	—	4.37	2.74	3.19	3.79
Electric Utilities	2.34	1.90	1.69	2.58	2.81

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.

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ity and Value of Natural Gas Report" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

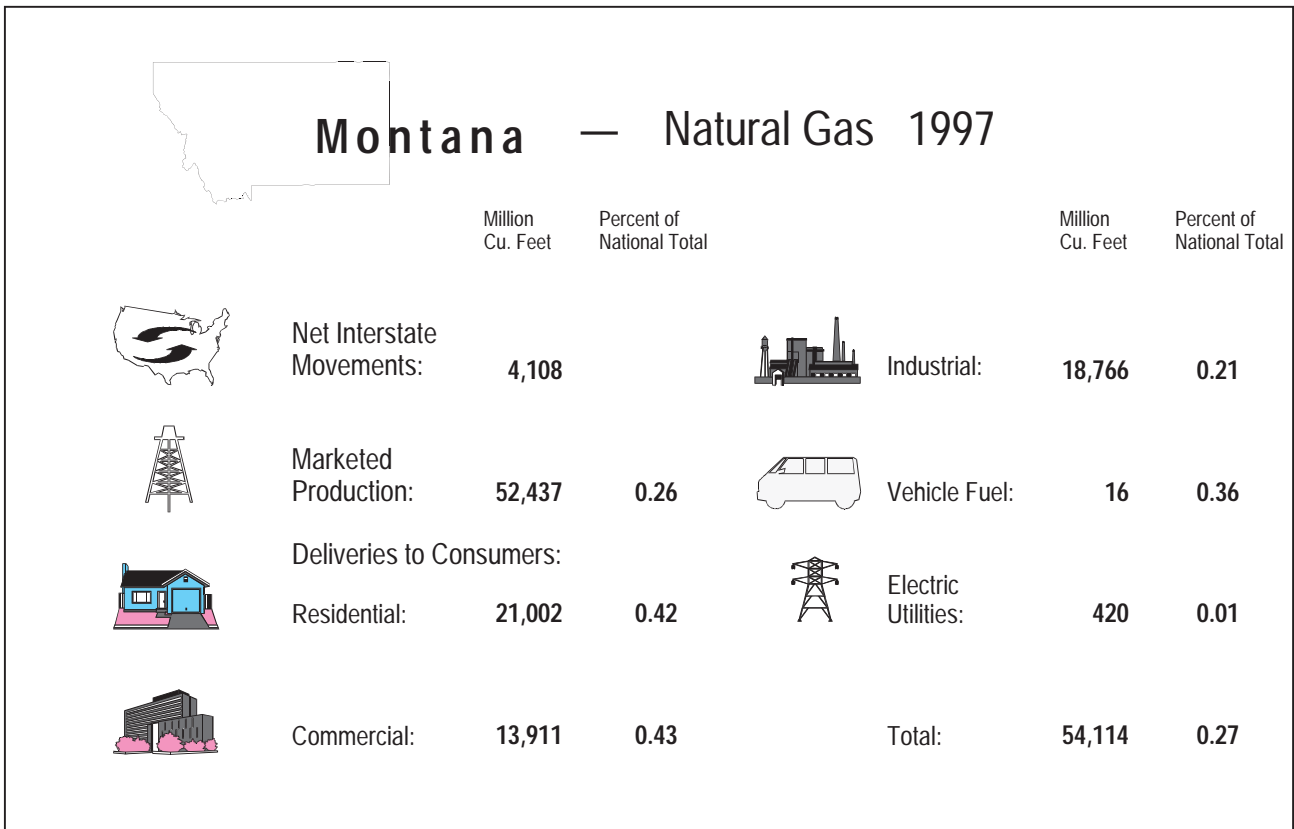


Table 73. Summary Statistics for Natural Gas — Montana, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	673	717	782	796	762
Number of Gas and Gas Condensate Wells					
Producing at End of Year	3,075	2,940	2,918	2,990	3,071
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	48,187	44,350	44,370	45,154	46,613
From Oil Wells.....	7,330	6,722	6,393	6,514	7,008
Total.....	55,517	51,072	50,763	51,668	53,621
Repressuring	231	105	82	76	64
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	55,286	50,967	50,681	51,592	53,557
Vented and Flared.....	758	551	417	596	1,120
Marketed Production	54,528	50,416	50,264	50,996	52,437
Extraction Loss.....	741	631	597	576	409
Total Dry Production.....	53,787	49,785	49,667	50,420	52,028
Supply (million cubic feet)					
Dry Production.....	53,787	49,785	49,667	50,420	52,028
Receipts at State Borders					
Imports	511,294	535,855	570,396	576,511	572,977
Intransit Receipts	0	0	0	0	0
Interstate Receipts	19,293	20,408	20,207	27,448	19,054
Withdrawals from Storage					
Underground Storage.....	32,202	22,509	21,653	31,595	30,181
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-22,077	-7,062	-16,190	-14,139	-8,272
Total Supply.....	594,498	621,495	645,734	671,836	665,968

See footnotes at end of table.

Table 73. Summary Statistics for Natural Gas — Montana, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	53,298	52,058	57,827	61,399	59,827
Deliveries at State Borders					
Exports	106	3,087	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	530,201	551,660	569,852	590,475	587,923
Additions to Storage					
Underground Storage.....	10,894	14,690	18,054	19,871	18,219
LNG Storage	0	0	0	0	0
Total Disposition	594,498	621,495	645,734	671,746	665,968
Consumption (million cubic feet)					
Lease Fuel.....	2,084	2,037	2,070	2,233	2,089
Pipeline Fuel.....	3,715	3,542	3,929	3,414	3,436
Plant Fuel.....	295	206	168	168	188
Delivered to Consumers					
Residential.....	20,360	18,714	19,640	22,175	21,002
Commercial	13,880	12,981	13,489	14,823	13,911
Industrial.....	12,690	13,940	18,135	18,103	18,766
Vehicle Fuel.....	4	6	8	13	16
Electric Utilities.....	270	632	388	470	420
Total Delivered to Consumers	47,204	46,274	51,660	55,584	54,114
Total Consumption.....	53,298	52,058	57,827	61,399	59,827
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	218	0	0
Commercial	939	1,070	1,131	1,247	1,181
Industrial.....	11,407	13,395	17,565	17,483	18,193
Electric Utilities	155	139	250	301	304
Firm Deliveries (million cubic feet)					
Residential.....	20,360	18,714	19,640	22,175	21,002
Commercial	13,576	12,678	13,182	14,458	13,555
Industrial.....	5,259	5,580	7,184	9,067	8,998
Electric Utilities.....	115	523	119	141	76
Vehicle Fuel.....	4	6	8	13	15
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	304	303	306	365	356
Industrial.....	7,431	8,360	10,951	9,036	9,768
Electric Utilities.....	155	139	250	301	304
Vehicle Fuel.....	0	0	0	0	1
Number of Consumers					
Residential.....	188,879	194,357	203,435	205,199	209,806
Commercial	24,373	25,349	26,329	26,374	27,457
Industrial.....	462	453	463	466	462
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	108	96	97	108	100
Commercial	569	512	512	562	507
Industrial.....	27,469	30,773	39,168	38,848	40,619
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.55	1.46	1.36	1.41	1.59
Imports	1.66	1.47	1.23	1.88	2.15
Exports	1.93	1.43	—	—	—
Pipeline Fuel.....	2.15	1.53	1.16	1.44	1.77
City Gate	3.29	3.49	3.01	3.03	3.16
Delivered to Consumers					
Residential.....	4.92	5.23	5.15	4.86	5.05
Commercial	4.67	4.91	4.92	4.64	4.83
Industrial.....	2.76	4.91	4.87	4.88	4.79
Vehicle Fuel.....	5.17	4.34	4.61	3.93	3.83
Electric Utilities.....	2.83	1.21	3.84	2.89	NA

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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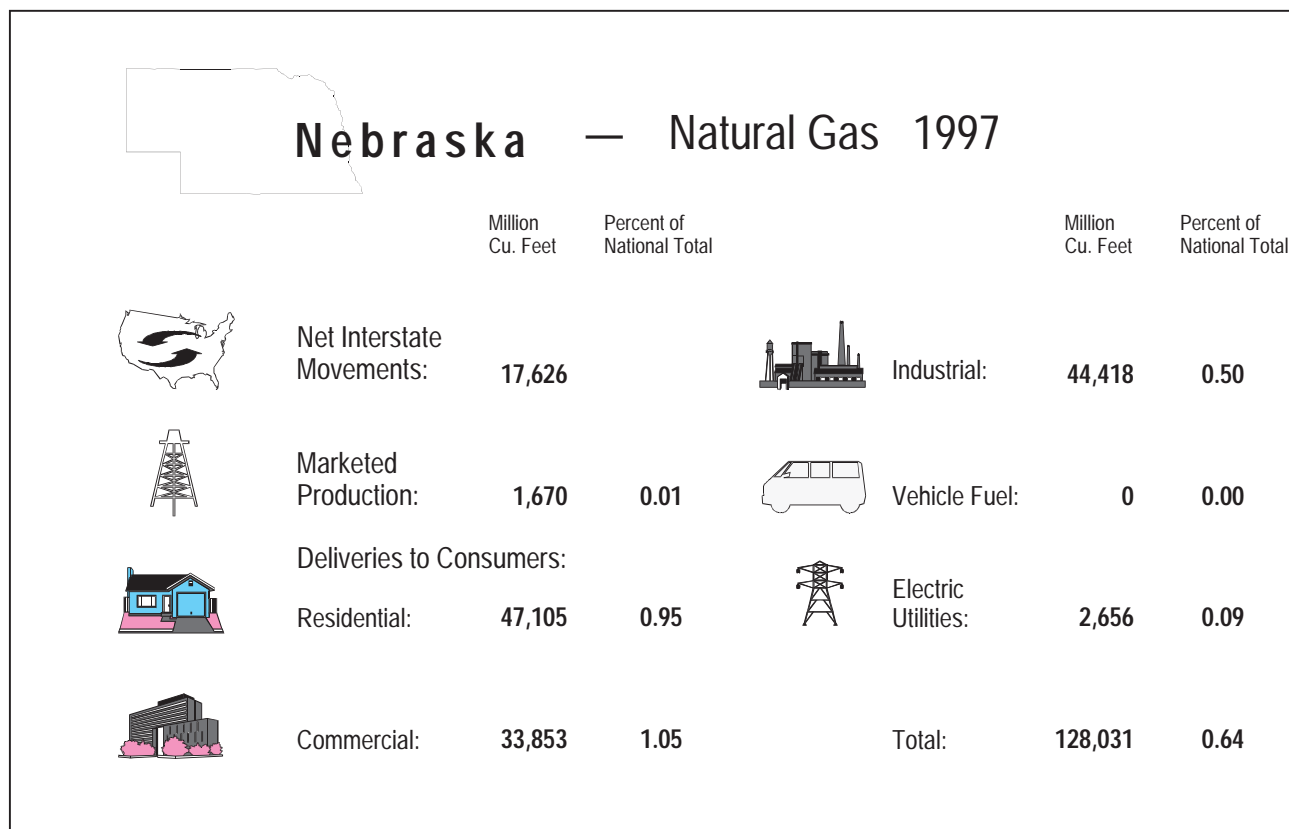


Table 74. Summary Statistics for Natural Gas — Nebraska, 1993-1997

	1993	1994	1995	1996	1997
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	59	87	87	88	91
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	1,391	2,093	1,557	1,328	1,144
From Oil Wells.....	723	805	683	548	526
Total.....	2,114	2,898	2,240	1,876	1,670
Repressuring	*	*	*	0	0
Nonhydrocarbon Gases Removed.....	*	*	*	0	0
Wet After Lease Separation	2,114	2,898	2,240	1,876	1,670
Vented and Flared.....	*	*	*	0	0
Marketed Production	2,114	2,898	2,240	1,876	1,670
Extraction Loss.....	0	8	0	0	0
Total Dry Production.....	2,114	2,890	2,240	1,876	1,670
Supply (million cubic feet)					
Dry Production.....	2,114	2,890	2,240	1,876	1,670
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	933,217	1,170,211	1,030,750	1,091,152	1,082,729
Withdrawals from Storage					
Underground Storage.....	11,718	10,052	9,716	6,933	5,069
LNG Storage	222	367	248	788	383
Supplemental Gas Supplies.....	791	890	15	315	134
Balancing Item.....	2,039	-24,879	151,515	145,095	114,442
Total Supply.....	950,100	1,159,532	1,194,485	1,246,160	1,204,427

See footnotes at end of table.

Table 74. Summary Statistics for Natural Gas — Nebraska, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	126,112	126,744	136,384	132,906	132,160
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	809,216	1,019,871	1,054,114	1,103,916	1,065,103
Additions to Storage					
Underground Storage.....	14,485	12,524	3,872	8,423	6,659
LNG Storage	287	393	115	915	505
Total Disposition	950,100	1,159,532	1,194,485	1,246,160	1,204,427
Consumption (million cubic feet)					
Lease Fuel.....	56	86	58	43	38
Pipeline Fuel.....	2,520	3,282	3,401	4,563	4,084
Plant Fuel.....	0	3	2	3	7
Delivered to Consumers					
Residential.....	48,256	44,397	45,054	48,989	47,105
Commercial	34,745	38,946	40,044	40,833	33,853
Industrial.....	38,658	36,960	44,767	36,125	44,418
Vehicle Fuel.....	1	9	*	0	0
Electric Utilities.....	1,876	3,061	3,059	2,351	2,656
Total Delivered to Consumers	123,537	123,373	132,923	128,297	128,031
Total Consumption.....	126,112	126,744	136,384	132,906	132,160
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	3,142	7,726	9,181	12,247	8,738
Industrial.....	28,068	28,971	37,370	28,756	32,405
Electric Utilities.....	484	34	63	503	630
Firm Deliveries (million cubic feet)					
Residential.....	48,256	44,397	45,054	48,989	47,105
Commercial	28,822	33,550	34,796	35,960	28,808
Industrial.....	28,230	29,892	36,642	28,407	15,388
Electric Utilities.....	668	55	124	132	103
Vehicle Fuel.....	1	9	*	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	5,923	5,396	5,248	4,873	5,045
Industrial.....	10,428	7,069	8,125	7,718	29,030
Electric Utilities.....	615	563	1,214	1,570	1,562
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	413,358	428,201	427,720	439,931	444,970
Commercial	60,599	62,045	61,275	61,117	51,661
Industrial.....	718	766	2,432	2,234	11,553
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	117	104	105	111	106
Commercial	573	628	654	668	655
Industrial.....	53,842	48,251	18,407	16,170	3,845
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.81	1.60	1.19	1.43	1.53
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	1.79	1.34	1.33	2.10	2.54
City Gate	3.46	2.98	2.49	3.07	4.24
Delivered to Consumers					
Residential.....	4.96	5.01	4.83	4.88	5.69
Commercial	4.27	4.24	3.96	4.47	4.88
Industrial.....	3.09	3.12	2.79	3.29	3.85
Vehicle Fuel.....	—	4.67	—	—	—
Electric Utilities.....	2.66	2.02	1.65	2.07	2.86

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 Quant-

ity and Value of Natural Gas Report" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

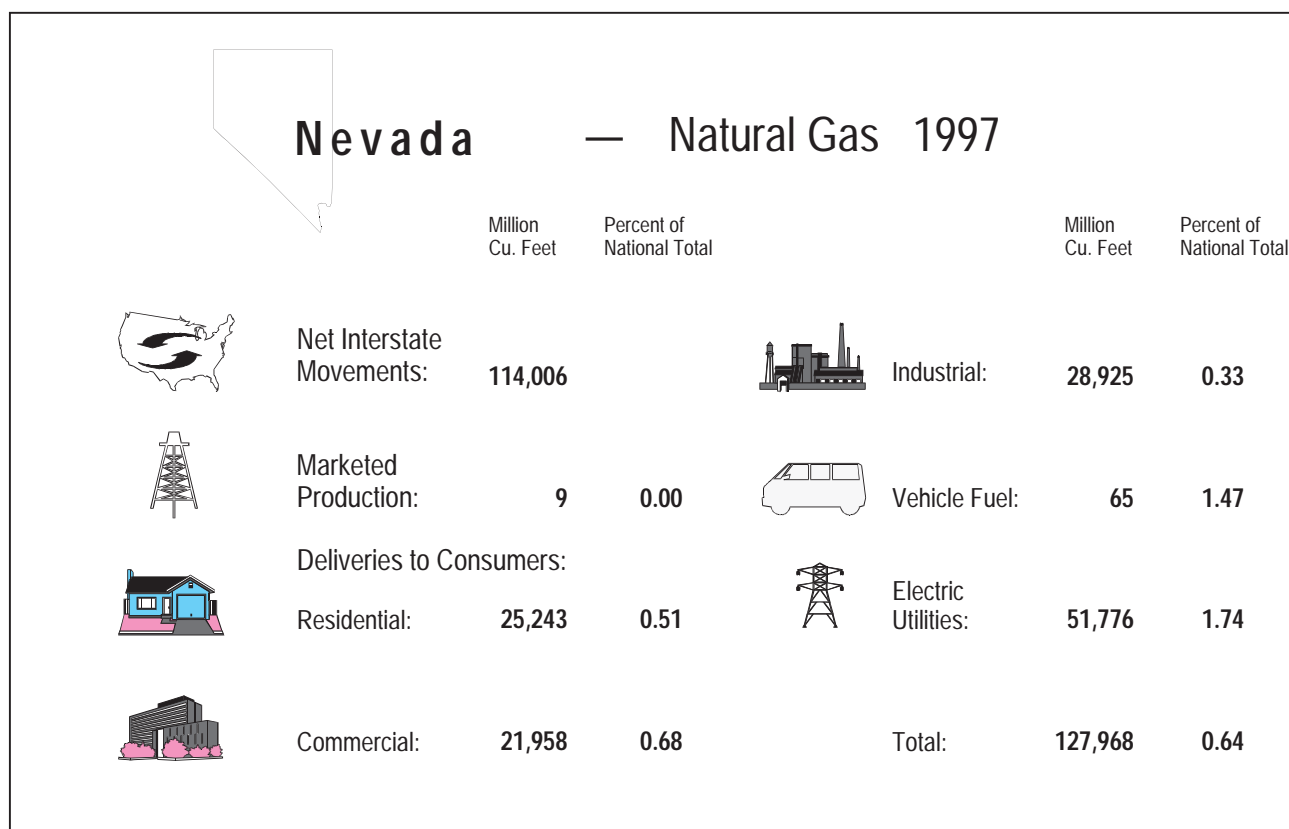


Table 75. Summary Statistics for Natural Gas — Nevada, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
Number of Gas and Gas Condensate Wells					
Producing at End of Year	0	0	0	5	5
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	21	16	13	11	9
Total.....	21	16	13	11	9
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	21	16	13	11	9
Vented and Flared.....	0	0	0	0	0
Marketed Production	21	16	13	11	9
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	21	16	13	11	9
Supply (million cubic feet)					
Dry Production.....	21	16	13	11	9
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	329,846	348,147	355,804	356,416	343,785
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	244	271	228	109	214
Supplemental Gas Supplies.....	38	9	0	0	0
Balancing Item.....	-3,470	-893	2,910	10,688	14,679
Total Supply.....	326,679	347,550	358,955	367,224	358,688

See footnotes at end of table.

Table 75. Summary Statistics for Natural Gas — Nevada, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	84,955	101,790	111,004	123,178	128,633
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	241,471	245,519	247,692	243,866	229,779
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	253	241	259	180	276
Total Disposition	326,679	347,550	358,955	367,224	358,688
Consumption (million cubic feet)					
Lease Fuel	21	16	13	11	9
Pipeline Fuel	641	669	730	718	656
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	20,683	21,263	20,686	22,607	25,243
Commercial	17,549	18,694	18,703	20,421	21,958
Industrial	24,734	28,867	30,641	32,606	28,925
Vehicle Fuel	21	36	109	48	65
Electric Utilities	21,305	32,246	40,134	46,766	51,776
Total Delivered to Consumers	84,293	101,105	110,273	122,449	127,968
Total Consumption	84,955	101,790	111,004	123,178	128,633
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	1,283	3,276	4,416	5,272	6,305
Industrial	23,660	28,312	30,102	32,073	28,399
Electric Utilities	21,066	32,377	38,533	47,039	51,161
Firm Deliveries (million cubic feet)					
Residential	20,683	21,263	20,686	22,607	25,243
Commercial	17,305	18,407	18,393	20,093	21,527
Industrial	24,734	28,772	30,611	32,591	28,925
Electric Utilities	19,155	31,074	33,670	46,764	48,980
Vehicle Fuel	21	20	109	44	60
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	245	286	309	328	431
Industrial	0	95	30	15	0
Electric Utilities	1,923	1,303	4,863	275	2,181
Vehicle Fuel	0	16	0	5	5
Number of Consumers					
Residential	305,099	336,353	364,112	393,783	426,221
Commercial	23,207	24,521	25,593	26,613	27,629
Industrial	117	119	120	121	97
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	68	63	57	57	59
Commercial	756	762	731	767	795
Industrial	211,398	242,577	255,340	269,472	298,197
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.79	1.87	1.79	1.35	2.09
City Gate	3.03	3.18	2.73	3.10	3.39
Delivered to Consumers					
Residential	5.69	6.66	6.76	6.19	6.27
Commercial	4.40	5.36	5.40	4.91	5.09
Industrial	4.30	5.67	5.34	4.90	7.77
Vehicle Fuel	3.34	3.81	3.73	3.53	3.61
Electric Utilities	2.45	1.99	1.71	2.12	2.18

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

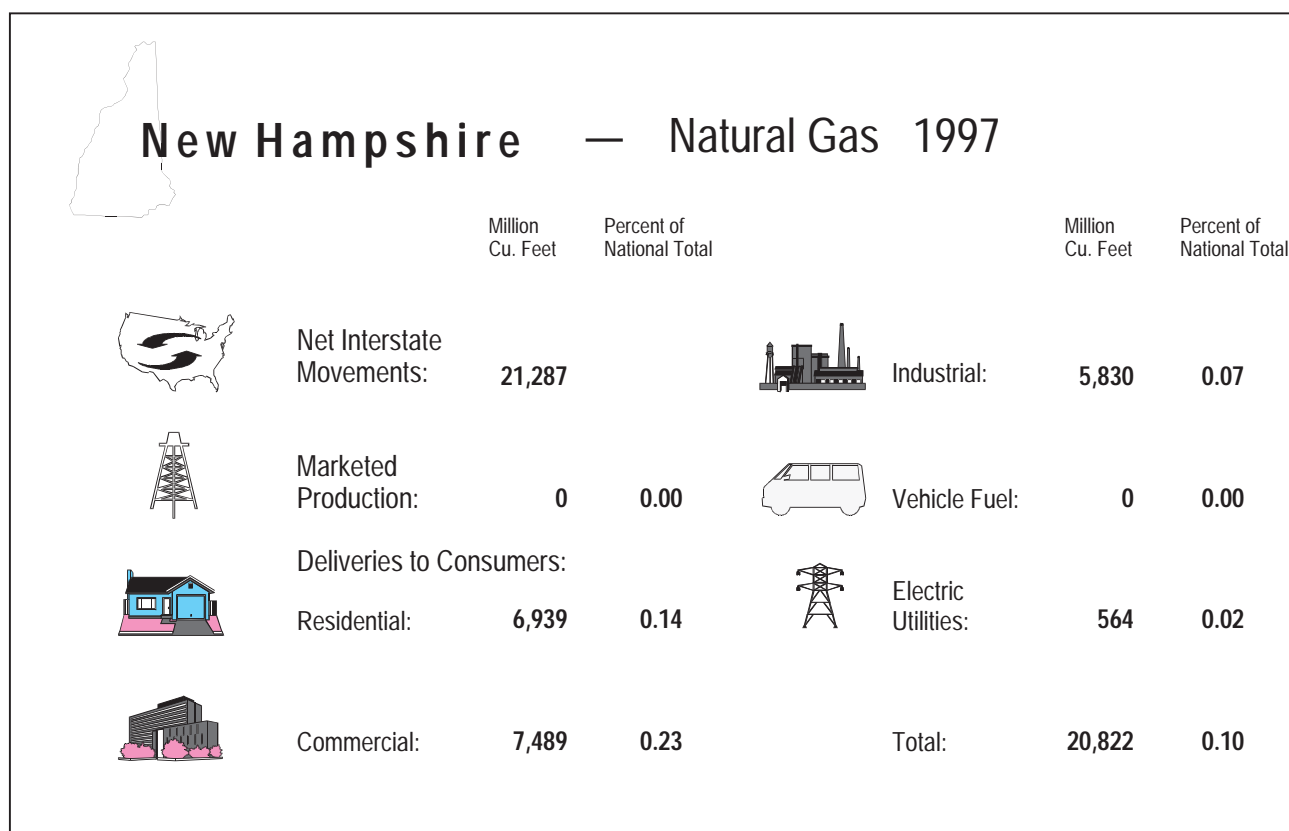


Table 76. Summary Statistics for Natural Gas — New Hampshire, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	24,232	20,249	31,742	27,435	27,720
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	154	160	90	147	102
Balancing Item.....	-2,506	4,181	-6,413	-2,638	-542
Total Supply.....	21,879	24,590	25,419	24,945	27,280

See footnotes at end of table.

Table 76. Summary Statistics for Natural Gas — New Hampshire, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	16,918	19,706	19,899	19,057	20,846
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	4,962	4,884	5,521	5,888	6,433
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	21,879	24,590	25,419	24,945	27,280
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	341	974	22	26	24
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	6,493	6,572	6,507	7,012	6,939
Commercial	6,142	6,412	6,514	7,099	7,489
Industrial	3,805	4,471	4,607	4,916	5,830
Vehicle Fuel	0	*	*	0	0
Electric Utilities	136	1,277	2,248	3	564
Total Delivered to Consumers	16,577	18,732	19,877	19,031	20,822
Total Consumption	16,918	19,706	19,899	19,057	20,846
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	0	0	52	218	567
Industrial	0	225	1,639	2,193	2,987
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	6,493	6,572	6,507	7,012	6,939
Commercial	6,142	6,412	6,514	7,099	7,489
Industrial	3,697	3,634	2,809	2,777	3,568
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	*	*	0	0
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	0	0	0	0	0
Industrial	109	837	1,798	2,139	2,263
Electric Utilities	0	1,271	2,211	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	70,938	72,656	74,232	75,175	77,092
Commercial	11,726	12,240	12,450	12,755	13,225
Industrial	334	324	332	367	385
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	92	90	88	93	90
Commercial	524	524	523	557	566
Industrial	11,394	13,799	13,877	13,396	15,144
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	3.79	3.88	3.42	4.17	4.20
City Gate	3.76	3.49	3.39	4.20	4.10
Delivered to Consumers					
Residential	7.66	7.96	7.16	7.40	8.48
Commercial	6.83	7.17	6.44	6.74	7.63
Industrial	4.68	4.44	3.80	4.79	4.90
Vehicle Fuel	—	6.21	6.16	—	—
Electric Utilities	2.21	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 Quan-

tity and Value of Natural Gas Report" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

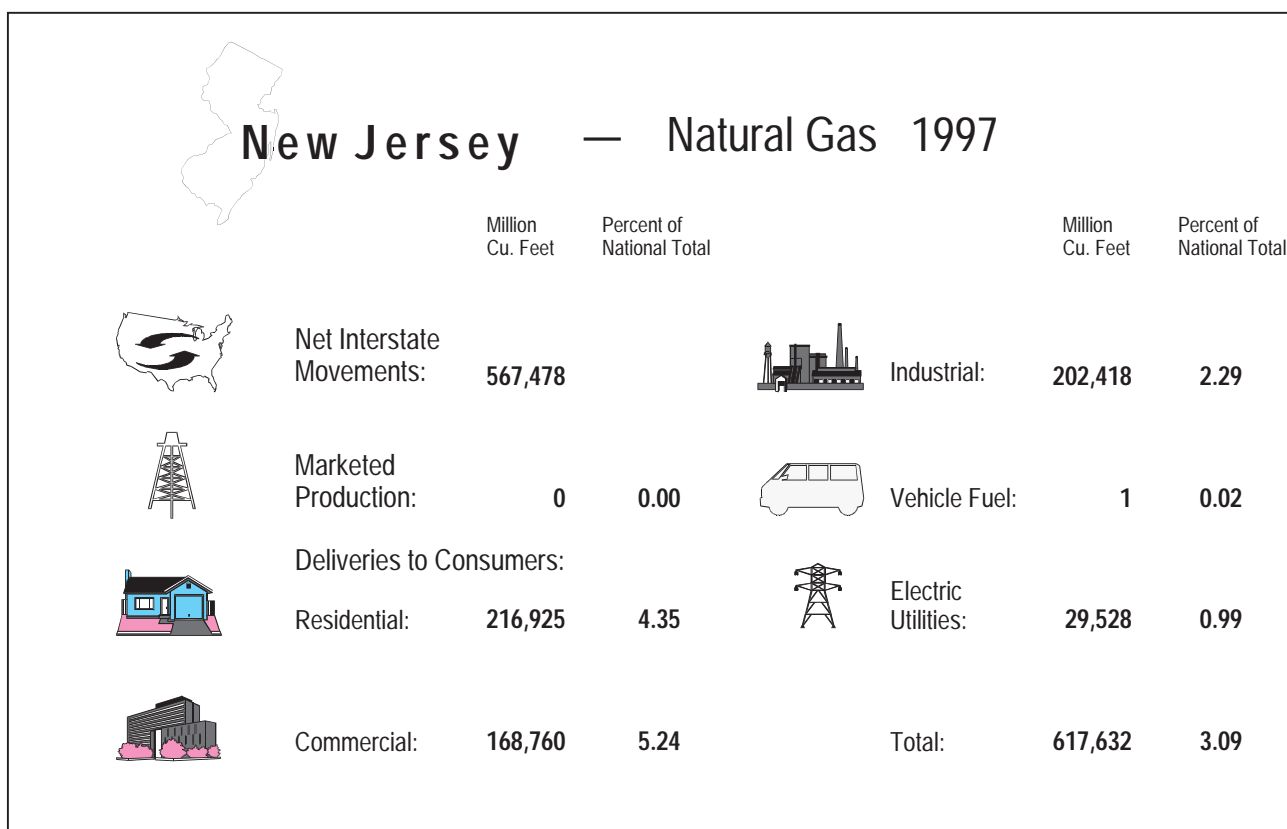


Table 77. Summary Statistics for Natural Gas — New Jersey, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	1,018,950	1,119,949	1,296,464	1,217,278	1,274,307
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	2,313	3,565	2,982	3,219	3,330
Supplemental Gas Supplies.....	14,950	7,737	7,291	6,778	6,464
Balancing Item.....	71,249	48,070	-465	17,919	47,692
Total Supply	1,107,463	1,179,320	1,306,272	1,245,194	1,331,793

See footnotes at end of table.

Table 77. Summary Statistics for Natural Gas — New Jersey, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	551,939	584,853	590,797	602,907	621,039
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	552,903	589,632	712,420	637,254	706,829
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	2,620	4,835	3,055	5,033	3,926
Total Disposition	1,107,463	1,179,320	1,306,272	1,245,194	1,331,793
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	2,908	2,497	2,482	3,097	3,407
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	195,569	216,873	194,432	222,619	216,925
Commercial	128,942	132,008	138,965	150,432	168,760
Industrial	188,889	190,845	209,014	200,933	202,418
Vehicle Fuel	0	4	6	0	1
Electric Utilities	35,631	42,625	45,897	25,825	29,528
Total Delivered to Consumers	549,030	582,356	588,315	599,810	617,632
Total Consumption	551,939	584,853	590,797	602,907	621,039
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	611
Commercial	10,901	11,045	19,074	40,100	73,902
Industrial	83,216	81,222	98,456	96,081	107,183
Electric Utilities	3,919	1,637	3,725	12,559	5,436
Firm Deliveries (million cubic feet)					
Residential	195,569	216,873	194,432	222,619	216,925
Commercial	104,813	103,523	111,869	124,479	127,356
Industrial	73,920	74,939	79,863	81,881	80,006
Electric Utilities	34,366	29,126	30,145	20,864	15,065
Vehicle Fuel	0	4	6	0	1
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	24,129	28,485	27,096	25,954	41,404
Industrial	114,969	115,906	129,151	119,052	122,412
Electric Utilities	4,716	6,286	8,574	5,021	7,442
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	2,060,511	2,089,911	2,123,323	2,147,622	2,193,629
Commercial	215,948	219,061	222,632	224,749	226,714
Industrial	11,224	10,608	10,362	10,139	17,638
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	95	104	92	104	99
Commercial	597	603	624	669	744
Industrial	16,829	17,991	20,171	19,818	11,476
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.93	2.66	2.59	3.15	3.11
City Gate	3.54	3.33	3.34	3.84	4.19
Delivered to Consumers					
Residential	6.99	7.11	7.27	7.16	7.93
Commercial	5.60	6.03	5.76	6.14	5.88
Industrial	3.70	3.64	3.11	3.82	3.78
Vehicle Fuel	—	4.26	4.28	6.93	7.06
Electric Utilities	2.38	2.17	2.18	2.96	3.06

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" (1993 through 1995); Form EIA-895, "Monthly

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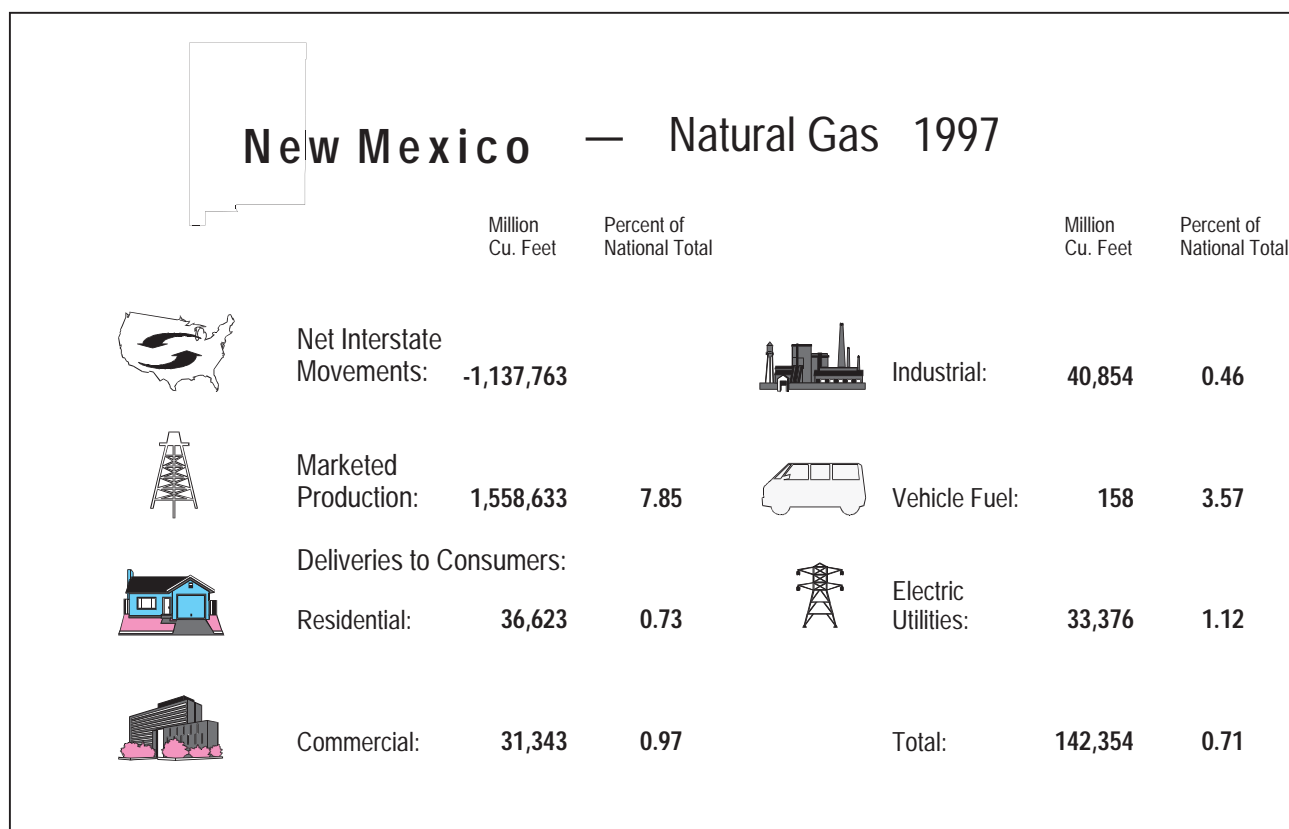


Table 78. Summary Statistics for Natural Gas — New Mexico, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	18,619	17,228	17,491	16,485	15,514
Number of Gas and Gas Condensate Wells					
Producing at End of Year	20,846	23,292	23,510	24,134	27,421
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	1,208,771	1,381,756	1,398,631	1,418,116	1,460,104
From Oil Wells.....	221,560	200,041	242,247	246,559	257,365
Total.....	1,430,331	1,581,797	1,640,878	1,664,676	1,717,468
Repressuring	16,568	18,982	9,615	10,131	10,456
Nonhydrocarbon Gases Removed.....	2,753	3,164	3,282	^a 97,759	145,594
Wet After Lease Separation	1,411,010	1,559,651	1,627,982	1,556,787	1,561,419
Vented and Flared.....	1,581	1,963	2,144	2,700	2,786
Marketed Production	1,409,429	1,557,689	1,625,837	1,554,087	1,558,633
Extraction Loss.....	83,193	86,607	85,668	108,341	109,046
Total Dry Production.....	1,326,236	1,471,082	1,540,169	1,445,746	1,449,587
Supply (million cubic feet)					
Dry Production.....	1,326,236	1,471,082	1,540,169	1,445,746	1,449,587
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	289,001	334,650	343,196	316,153	303,455
Withdrawals from Storage					
Underground Storage.....	24,794	17,172	16,986	17,290	15,001
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-44,265	-165,975	-199,959	-93,135	-45,180
Total Supply.....	1,595,767	1,656,929	1,700,392	1,686,053	1,722,864

See footnotes at end of table.

Table 78. Summary Statistics for Natural Gas — New Mexico, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	216,440	220,770	215,147	221,736	268,709
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,362,958	1,417,608	1,470,532	1,452,364	1,441,218
Additions to Storage					
Underground Storage	16,369	18,551	14,712	11,953	12,936
LNG Storage	0	0	0	0	0
Total Disposition	1,595,767	1,656,929	1,700,392	1,686,053	1,722,864
Consumption (million cubic feet)					
Lease Fuel	12,832	18,476	16,134	17,901	18,476
Pipeline Fuel	62,278	59,135	56,762	26,926	61,897
Plant Fuel	36,826	36,310	36,455	63,850	45,982
Delivered to Consumers					
Residential	31,843	30,868	28,770	33,689	36,623
Commercial	27,898	24,964	23,934	26,466	31,343
Industrial	17,023	18,741	21,095	22,858	40,854
Vehicle Fuel	16	62	73	77	158
Electric Utilities	27,725	32,214	31,924	29,969	33,376
Total Delivered to Consumers	104,504	106,849	105,796	113,059	142,354
Total Consumption	216,440	220,770	215,147	221,736	268,709
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	10,459	9,395	9,520	9,351	7,959
Industrial	16,107	16,884	19,596	22,049	28,662
Electric Utilities	20,122	24,868	25,751	13,618	13,635
Firm Deliveries (million cubic feet)					
Residential	31,843	30,868	28,770	33,689	36,623
Commercial	27,764	24,849	23,749	26,379	27,193
Industrial	16,433	17,976	19,979	19,892	37,400
Electric Utilities	12,749	15,213	25,161	13,883	14,383
Vehicle Fuel	16	62	73	77	158
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	134	115	186	87	4,150
Industrial	590	765	1,116	2,966	3,454
Electric Utilities	8,239	11,360	2,711	2,814	1,308
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	397,681	409,095	421,896	428,621	443,167
Commercial	40,166	39,846	38,099	37,796	38,919
Industrial	152	1,097	1,065	1,365	1,368
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	80	75	68	79	83
Commercial	695	627	628	700	805
Industrial	111,995	17,084	19,808	16,746	29,864
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.79	1.58	1.26	1.67	1.76
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.79	1.61	1.13	1.59	1.94
City Gate	2.39	2.02	1.46	1.99	2.53
Delivered to Consumers					
Residential	5.46	5.61	5.04	4.47	5.87
Commercial	4.31	4.41	3.74	3.35	4.00
Industrial	3.82	3.39	2.83	2.90	2.99
Vehicle Fuel	—	5.11	3.86	4.78	4.67
Electric Utilities	2.23	1.99	1.57	2.31	2.64

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

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

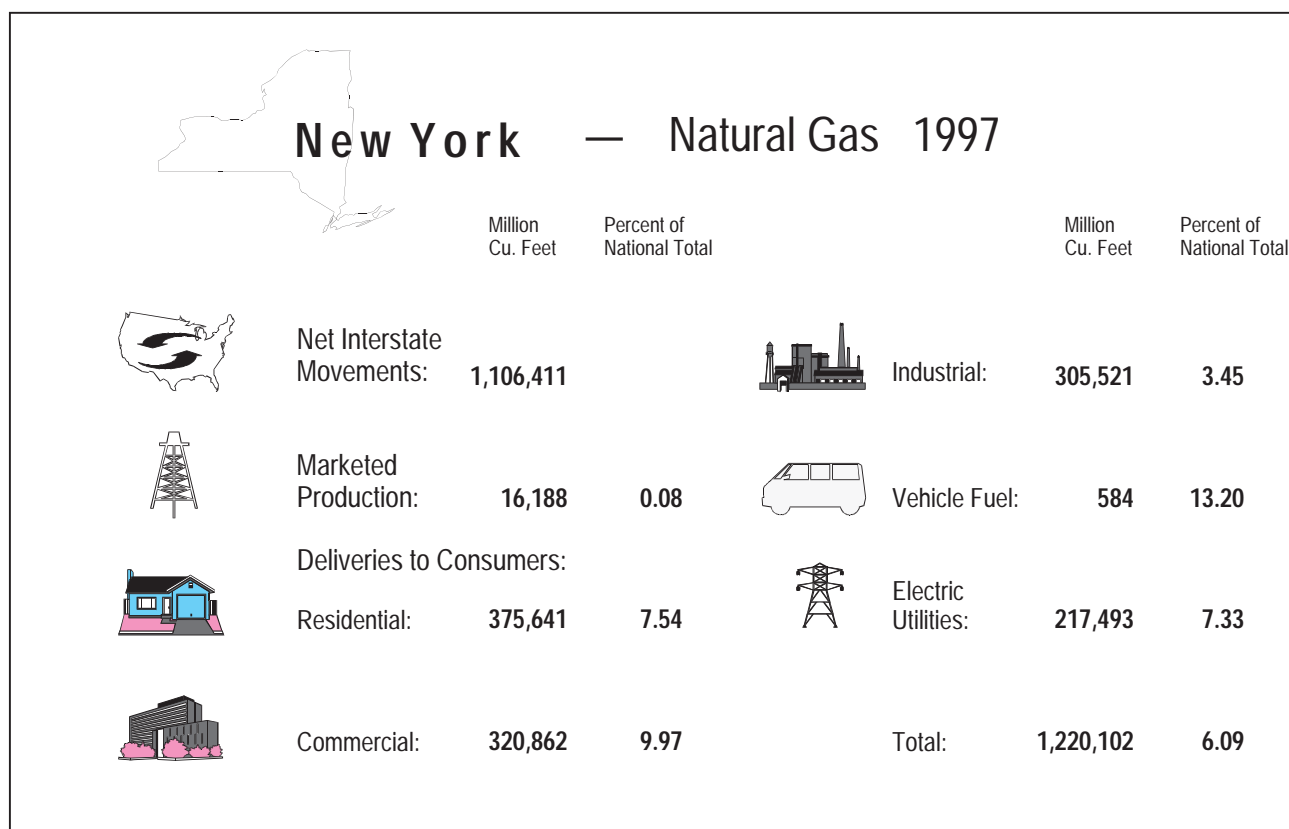


Table 79. Summary Statistics for Natural Gas — New York, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	264	242	197	232	224
Number of Gas and Gas Condensate Wells					
Producing at End of Year	5,757	5,884	6,134	6,208	5,731
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	20,587	19,937	17,677	17,494	15,525
From Oil Wells.....	610	539	723	641	669
Total.....	21,197	20,476	18,400	18,134	16,193
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	21,197	20,476	18,400	18,134	16,193
Vented and Flared.....	14	11	0	3	5
Marketed Production	21,183	20,465	18,400	18,131	16,188
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	21,183	20,465	18,400	18,131	16,188
Supply (million cubic feet)					
Dry Production.....	21,183	20,465	18,400	18,131	16,188
Receipts at State Borders					
Imports	502,701	562,267	630,321	652,578	656,332
Intransit Receipts	0	0	0	0	0
Interstate Receipts	881,247	926,727	1,376,638	1,194,754	1,196,768
Withdrawals from Storage					
Underground Storage.....	67,643	64,803	75,692	63,108	67,438
LNG Storage	440	835	886	1,262	760
Supplemental Gas Supplies.....	1,638	1,460	1,490	1,259	881
Balancing Item.....	33,327	53,555	-15,053	76,323	105,439
Total Supply.....	1,508,178	1,630,111	2,088,373	2,007,416	2,043,806

See footnotes at end of table.

Table 79. Summary Statistics for Natural Gas — New York, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	943,826	1,012,497	1,140,488	1,130,516	1,228,357
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	495,010	549,862	886,014	798,572	746,689
Additions to Storage					
Underground Storage	68,532	66,627	60,947	76,475	67,135
LNG Storage	810	1,125	926	1,853	1,625
Total Disposition	1,508,178	1,630,111	2,088,373	2,007,416	2,043,806
Consumption (million cubic feet)					
Lease Fuel	563	781	1,074	939	778
Pipeline Fuel	6,089	6,039	8,088	7,835	7,477
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	384,216	385,408	375,005	403,264	375,641
Commercial	220,729	223,256	231,352	253,075	320,862
Industrial	160,406	214,438	278,576	322,661	305,521
Vehicle Fuel	20	53	127	54	584
Electric Utilities	171,803	182,521	246,265	142,688	217,493
Total Delivered to Consumers	937,173	1,005,676	1,131,325	1,121,742	1,220,102
Total Consumption	943,826	1,012,497	1,140,488	1,130,516	1,228,357
Delivered for the Account of Others (million cubic feet)					
Residential	3,036	2,369	3,019	3,840	4,525
Commercial	50,279	45,626	55,135	58,135	113,408
Industrial	125,916	180,002	240,506	291,057	279,409
Electric Utilities	15,455	14,082	24,175	4,804	16,513
Firm Deliveries (million cubic feet)					
Residential	384,216	382,713	371,662	399,748	372,264
Commercial	184,795	201,478	203,125	215,904	229,873
Industrial	104,437	135,471	210,865	254,300	255,078
Electric Utilities	21,288	34,310	35,779	13,448	32,682
Vehicle Fuel	19	28	127	54	584
Interruptible Deliveries (million cubic feet)					
Residential	NA	2,695	3,343	3,516	3,378
Commercial	35,934	21,779	28,227	37,170	90,989
Industrial	55,969	78,967	67,711	68,361	50,443
Electric Utilities	147,451	135,488	199,843	129,051	169,272
Vehicle Fuel	1	25	0	0	0
Number of Consumers					
Residential	3,990,564	4,008,868	4,030,702	4,048,166	4,077,385
Commercial	298,020	301,499	308,760	315,855	314,613
Industrial	23,833	21,833	22,484	15,300	23,109
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	96	96	93	100	92
Commercial	741	740	749	801	1,020
Industrial	6,730	9,822	12,390	21,089	13,221
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.40	2.35	2.30	—	2.56
Imports	2.49	2.44	2.30	2.94	2.90
Exports	—	—	—	—	—
Pipeline Fuel	3.15	2.21	1.52	2.23	1.89
City Gate	3.32	3.02	2.47	3.36	4.20
Delivered to Consumers					
Residential	8.15	8.75	8.42	8.90	9.73
Commercial	6.16	6.51	6.10	6.88	6.50
Industrial	5.17	5.22	4.69	5.04	5.05
Vehicle Fuel	4.45	3.64	2.13	5.47	4.14
Electric Utilities	2.73	2.30	2.13	2.96	2.88

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.





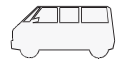



		North Carolina		— Natural Gas 1997			
		Million Cu. Feet	Percent of National Total			Million Cu. Feet	Percent of National Total
							
	Net Interstate Movements:	239,413			Industrial:	111,513	1.26
	Marketed Production:	0	0.00		Vehicle Fuel:	0	0.00
Deliveries to Consumers:							
	Residential:	52,894	1.06		Electric Utilities:	4,511	0.15
	Commercial:	38,021	1.18		Total:	206,939	1.03

Table 80. Summary Statistics for Natural Gas — North Carolina, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	902,203	901,123	913,692	970,866	976,910
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	1,823	1,802	1,710	2,490	1,686
Supplemental Gas Supplies.....	4	3	0	0	0
Balancing Item.....	-16,686	-10,433	-15,104	-13,425	-24,878
Total Supply.....	887,344	892,496	900,298	959,931	953,718

See footnotes at end of table.

Table 81. Summary Statistics for Natural Gas — North Carolina, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	185,648	187,861	202,726	213,155	214,204
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	700,015	702,517	696,000	744,068	737,497
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	1,681	2,118	1,572	2,708	2,016
Total Disposition	887,344	892,496	900,298	959,931	953,718
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	5,953	5,753	6,100	7,372	7,265
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	47,104	47,451	49,379	58,812	52,894
Commercial	37,370	38,940	37,362	40,467	38,021
Industrial	92,309	94,838	106,731	104,124	111,513
Vehicle Fuel	1	8	9	0	0
Electric Utilities	2,911	871	3,146	2,381	4,511
Total Delivered to Consumers	179,694	182,107	196,626	205,783	206,939
Total Consumption	185,648	187,861	202,726	213,155	214,204
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	561	1,314	2,831	1,409	2,141
Industrial	20,068	38,907	56,707	42,287	60,729
Electric Utilities	1,692	432	967	578	1,012
Firm Deliveries (million cubic feet)					
Residential	47,104	47,451	49,379	58,812	52,894
Commercial	35,630	36,567	35,592	39,847	35,875
Industrial	11,376	18,816	23,511	26,915	27,318
Electric Utilities	98	149	50	7	43
Vehicle Fuel	1	8	9	0	0
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	1,740	2,374	1,770	619	2,146
Industrial	80,933	76,023	83,220	77,208	84,195
Electric Utilities	2,644	703	2,970	2,356	4,492
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	607,388	652,307	678,147	699,159	740,013
Commercial	76,386	80,739	84,041	93,504	97,629
Industrial	2,664	3,401	3,652	3,973	5,375
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	78	73	73	84	71
Commercial	489	482	445	433	389
Industrial	34,650	27,885	29,225	26,208	20,747
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.08	2.08	1.77	2.43	3.23
City Gate	3.15	3.27	2.95	3.74	3.97
Delivered to Consumers					
Residential	6.99	7.30	6.93	7.59	8.98
Commercial	5.51	5.56	5.24	6.18	7.00
Industrial	3.74	3.68	3.56	4.37	4.66
Vehicle Fuel	2.60	4.44	4.27	—	—
Electric Utilities	3.63	3.38	2.40	3.11	3.22

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" (1993 through 1995); Form EIA-895, "Monthly

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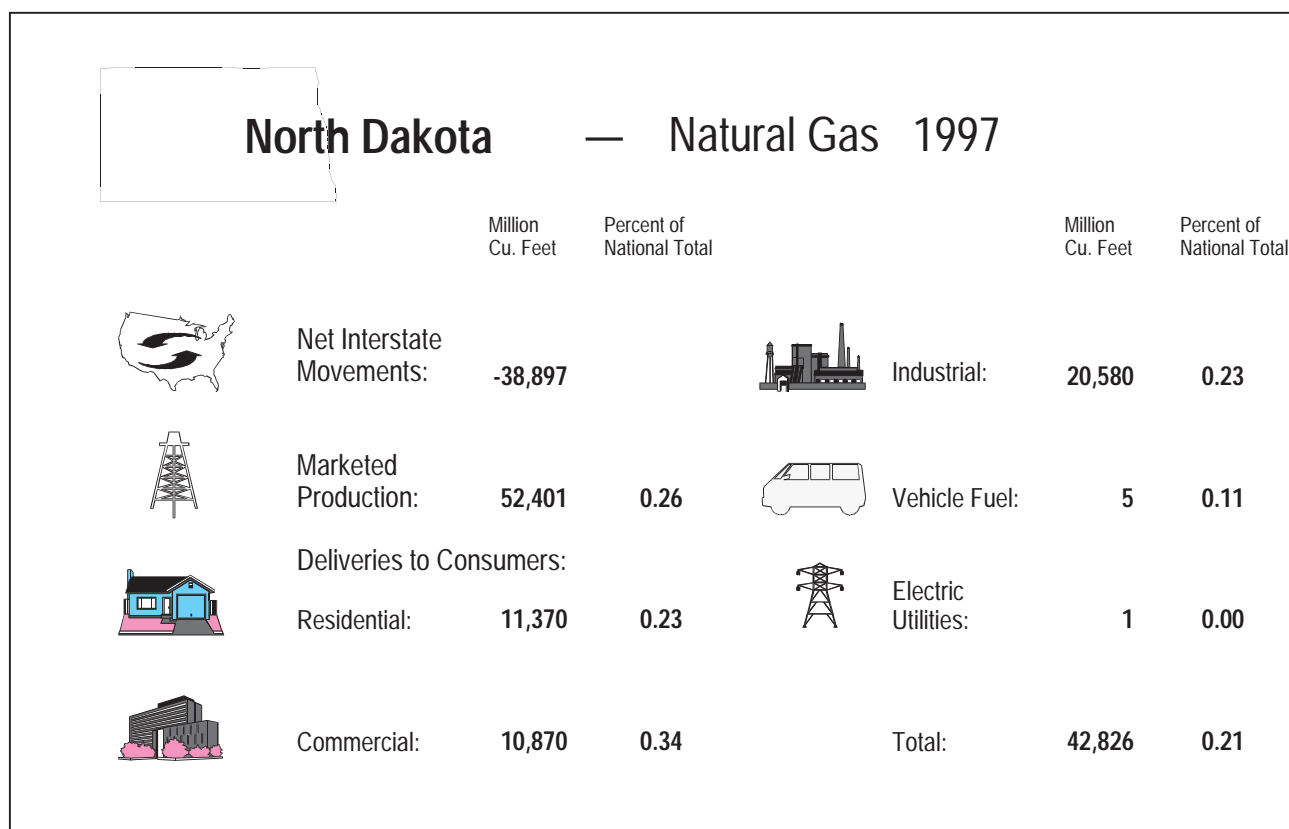


Table 81. Summary Statistics for Natural Gas — North Dakota, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	525	507	463	462	479
Number of Gas and Gas Condensate Wells					
Producing at End of Year	101	104	99	108	104
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	18,892	19,592	16,914	16,810	18,186
From Oil Wells.....	46,059	43,640	39,760	38,906	38,107
Total.....	64,951	63,232	56,674	55,716	56,292
Repressuring	2,231	2,577	2,813	2,727	^a 196
Nonhydrocarbon Gases Removed.....	532	358	93	358	161
Wet After Lease Separation	62,188	60,297	53,768	52,631	55,935
Vented and Flared.....	2,337	2,492	4,300	2,957	3,534
Marketed Production	59,851	57,805	49,468	49,674	52,401
Extraction Loss.....	5,924	5,671	5,327	4,937	5,076
Total Dry Production.....	53,927	52,134	44,141	44,737	47,325
Supply (million cubic feet)					
Dry Production.....	53,927	52,134	44,141	44,737	47,325
Receipts at State Borders					
Imports	0	1,617	4,559	6,110	7,672
Intransit Receipts	0	0	0	0	0
Interstate Receipts	517,897	543,543	574,766	598,044	596,337
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	57,680	57,127	57,393	55,867	53,179
Balancing Item.....	-8,099	-4,439	869	-2,037	-5,464
Total Supply.....	621,405	649,983	681,729	702,720	699,049

See footnotes at end of table.

Table 81. Summary Statistics for Natural Gas — North Dakota, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	39,962	42,853	45,378	49,030	56,143
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	581,442	607,129	636,351	653,690	642,906
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	621,405	649,983	681,729	702,720	699,049
Consumption (million cubic feet)					
Lease Fuel.....	3,522	6,247	6,800	7,320	4,152
Pipeline Fuel.....	4,242	4,246	4,665	4,757	4,744
Plant Fuel.....	4,734	5,059	4,542	4,283	4,420
Delivered to Consumers					
Residential.....	10,717	10,661	11,209	12,591	11,370
Commercial	10,642	10,783	11,644	12,150	10,870
Industrial.....	6,096	5,846	6,505	7,911	20,580
Vehicle Fuel.....	8	8	12	15	5
Electric Utilities.....	1	3	1	3	1
Total Delivered to Consumers	27,464	27,301	29,371	32,670	42,826
Total Consumption.....	39,962	42,853	45,378	49,030	56,143
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	2,908	2,199	2,224	1,454	1,207
Industrial.....	4,570	4,402	5,319	5,813	16,783
Electric Utilities.....	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential.....	10,717	10,661	11,209	12,591	11,370
Commercial	7,834	7,937	8,342	9,484	8,627
Industrial.....	400	506	169	870	11,752
Electric Utilities.....	1	2	1	3	1
Vehicle Fuel.....	8	8	12	15	5
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	2,809	2,846	3,302	2,666	2,243
Industrial.....	5,696	5,340	6,336	7,041	8,828
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	91,237	93,398	95,818	97,761	98,326
Commercial	12,650	12,944	13,399	13,789	14,099
Industrial.....	174	186	189	206	216
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	117	114	117	129	116
Commercial	841	833	869	881	771
Industrial.....	35,032	31,429	34,418	38,401	95,276
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	E1.84	NA	—	—	2.16
Imports	—	1.55	0.97	1.26	1.67
Exports	—	—	—	—	—
Pipeline Fuel.....	1.84	1.34	1.01	1.70	2.07
City Gate	3.29	3.15	2.58	2.94	3.38
Delivered to Consumers					
Residential.....	5.23	5.19	4.66	4.54	4.99
Commercial	4.75	4.48	3.90	3.91	4.35
Industrial.....	3.42	3.31	2.90	3.02	3.05
Vehicle Fuel.....	4.61	4.19	2.71	1.54	3.92
Electric Utilities.....	4.59	4.11	3.71	2.93	3.43

^a Ceased injections.

E = Estimated 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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.




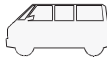



		Ohio — Natural Gas 1997			
		Million Cu. Feet	Percent of National Total	Million Cu. Feet	Percent of National Total
	Net Interstate Movements:	826,767			Industrial: 335,993 3.80
	Marketed Production:	116,246	0.59		Vehicle Fuel: 264 5.97
	Deliveries to Consumers: Residential:	354,543	7.11		Electric Utilities: 3,485 0.12
	Commercial:	183,838	5.71		Total: 878,123 4.39

Table 82. Summary Statistics for Natural Gas — Ohio, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,104	1,094	1,054	1,113	985
Number of Gas and Gas Condensate Wells					
Producing at End of Year	34,782	34,731	34,520	34,380	34,238
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	137,285	132,151	126,336	119,251	116,246
From Oil Wells.....	0	0	0	0	0
Total.....	137,285	132,151	126,336	119,251	116,246
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	137,285	132,151	126,336	119,251	116,246
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	137,285	132,151	126,336	119,251	116,246
Extraction Loss.....	95	104	94	85	83
Total Dry Production.....	137,190	132,047	126,242	119,166	116,163
Supply (million cubic feet)					
Dry Production.....	137,190	132,047	126,242	119,166	116,163
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,226,113	2,617,648	2,817,908	2,997,400	2,662,578
Withdrawals from Storage					
Underground Storage.....	188,899	163,084	200,211	187,798	192,991
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	992	1,432	904	1,828	1,423
Balancing Item.....	-174,022	-40,803	-112,044	-241,361	-38,240
Total Supply.....	2,379,173	2,873,408	3,033,222	3,064,832	2,934,915

See footnotes at end of table.

Table 82. Summary Statistics for Natural Gas — Ohio, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	833,845	843,345	896,072	936,430	898,777
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	1,369,698	1,838,402	1,975,801	1,929,760	1,835,811
Additions to Storage					
Underground Storage.....	175,630	191,660	161,350	198,642	200,327
LNG Storage	0	0	0	0	0
Total Disposition	2,379,173	2,873,408	3,033,222	3,064,832	2,934,915
Consumption (million cubic feet)					
Lease Fuel.....	1,346	1,296	1,251	1,193	1,162
Pipeline Fuel.....	10,284	17,895	17,677	20,166	19,453
Plant Fuel.....	20	36	32	37	39
Delivered to Consumers					
Residential.....	354,110	343,331	357,754	374,824	354,543
Commercial	164,044	166,798	175,160	189,966	183,838
Industrial.....	301,261	311,123	336,552	347,149	335,993
Vehicle Fuel.....	44	48	187	229	264
Electric Utilities	2,737	2,818	7,459	2,867	3,485
Total Delivered to Consumers	822,195	824,119	877,112	915,035	878,123
Total Consumption.....	833,845	843,345	896,072	936,430	898,777
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	3,477
Commercial	25,345	30,807	41,569	53,609	63,352
Industrial.....	270,667	281,055	312,067	321,733	316,813
Electric Utilities	2,060	1,626	4,647	2,303	3,414
Firm Deliveries (million cubic feet)					
Residential.....	354,110	343,321	357,726	374,790	354,543
Commercial	161,232	163,205	170,659	184,757	179,869
Industrial.....	258,309	268,372	290,146	299,145	292,384
Electric Utilities	782	985	1,659	1,342	2,024
Vehicle Fuel.....	44	48	187	229	264
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	11	28	34	0
Commercial	2,812	3,594	4,501	5,209	3,969
Industrial.....	42,951	42,751	46,407	48,004	43,609
Electric Utilities	1,939	1,703	3,667	1,344	1,826
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	2,867,959	2,921,536	2,967,375	2,994,891	3,041,948
Commercial	240,684	245,190	250,223	259,663	254,991
Industrial.....	8,678	8,655	8,650	8,672	7,780
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	123	118	121	125	117
Commercial	682	680	700	732	721
Industrial.....	34,715	35,947	38,908	40,031	43,187
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.46	2.43	2.33	2.63	2.70
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	2.53	2.50	2.03	2.88	2.80
City Gate	3.52	3.48	3.84	4.37	5.18
Delivered to Consumers					
Residential.....	5.71	5.88	5.46	5.90	6.75
Commercial	5.24	5.38	4.92	5.38	6.23
Industrial.....	4.64	4.45	3.93	4.10	4.93
Vehicle Fuel.....	4.82	4.87	4.44	4.77	6.24
Electric Utilities	2.94	3.85	2.34	3.44	3.72

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

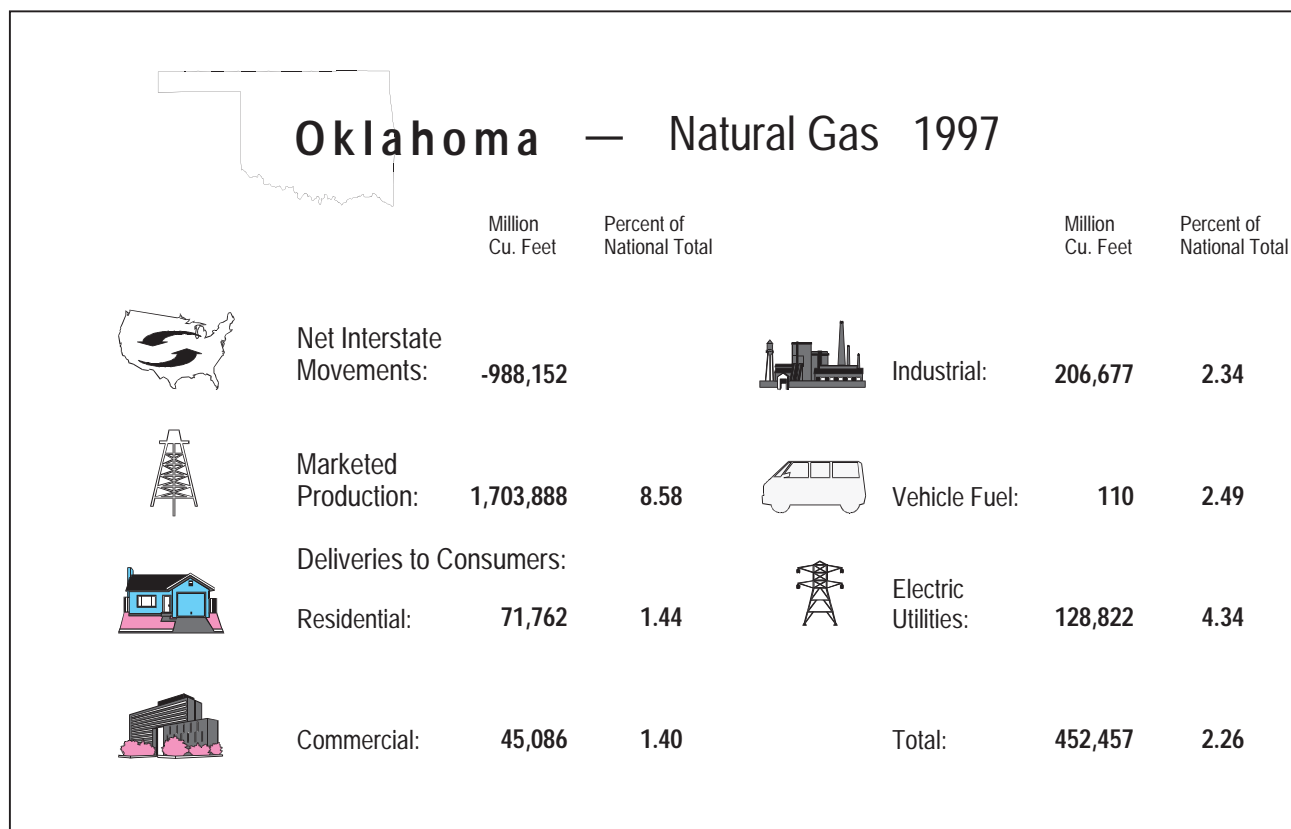


Table 83. Summary Statistics for Natural Gas — Oklahoma, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	13,289	13,487	13,438	13,074	13,439
Number of Gas and Gas Condensate Wells					
Producing at End of Year	29,118	29,121	29,733	29,733	30,101
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	1,732,997	1,626,858	1,521,857	1,467,695	1,450,118
From Oil Wells.....	316,945	308,006	289,877	267,192	253,770
Total.....	2,049,942	1,934,864	1,811,734	1,734,887	1,703,888
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	2,049,942	1,934,864	1,811,734	1,734,887	1,703,888
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	2,049,942	1,934,864	1,811,734	1,734,887	1,703,888
Extraction Loss.....	101,962	101,564	94,930	100,379	96,830
Total Dry Production.....	1,947,980	1,833,300	1,716,804	1,634,508	1,607,058
Supply (million cubic feet)					
Dry Production.....	1,947,980	1,833,300	1,716,804	1,634,508	1,607,058
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	511,429	543,679	810,112	848,589	827,475
Withdrawals from Storage					
Underground Storage.....	136,715	104,738	114,073	140,028	123,008
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-195,446	-303	-105,683	-10,233	-49,425
Total Supply.....	2,400,678	2,481,414	2,535,307	2,612,891	2,508,116

See footnotes at end of table.

Table 83. Summary Statistics for Natural Gas — Oklahoma, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	578,777	572,074	568,153	566,995	560,000
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	1,670,651	1,785,764	1,872,345	1,928,829	1,815,627
Additions to Storage					
Underground Storage.....	151,249	123,576	94,809	117,067	132,489
LNG Storage	0	0	0	0	0
Total Disposition	2,400,678	2,481,414	2,535,307	2,612,891	2,508,116
Consumption (million cubic feet)					
Lease Fuel.....	60,658	55,607	45,946	37,803	51,042
Pipeline Fuel.....	26,602	26,146	30,633	33,583	26,130
Plant Fuel.....	39,211	35,432	34,900	35,236	30,370
Delivered to Consumers					
Residential.....	78,360	69,211	68,702	76,629	71,762
Commercial	40,766	36,504	39,639	46,152	45,086
Industrial.....	179,406	195,909	194,101	201,024	206,677
Vehicle Fuel.....	108	157	117	133	110
Electric Utilities.....	153,666	153,109	154,114	136,436	128,822
Total Delivered to Consumers	452,306	454,889	456,674	460,373	452,457
Total Consumption.....	578,777	572,074	568,153	566,995	560,000
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	4,095	4,214	5,894	7,165	8,204
Industrial.....	124,925	148,340	164,610	187,816	197,058
Electric Utilities.....	145,216	139,435	138,365	125,825	112,592
Firm Deliveries (million cubic feet)					
Residential.....	78,360	69,211	68,700	76,629	71,762
Commercial	37,460	32,220	36,699	44,276	43,257
Industrial.....	35,853	30,103	114,292	86,838	110,639
Electric Utilities.....	154,024	153,602	140,115	127,247	114,713
Vehicle Fuel.....	2	2	117	133	110
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	2	0	0
Commercial	3,306	4,284	2,940	1,876	1,829
Industrial.....	143,553	165,806	79,809	114,185	96,039
Electric Utilities.....	7,796	4,457	14,582	16,261	17,164
Vehicle Fuel.....	106	154	0	0	0
Number of Consumers					
Residential.....	842,130	845,448	856,604	866,531	872,454
Commercial	88,181	87,494	88,358	89,852	90,284
Industrial.....	2,912	2,853	2,845	2,843	2,569
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	93	82	80	88	82
Commercial	462	417	449	514	499
Industrial.....	61,609	68,668	68,225	70,708	80,451
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	1.88	1.70	1.44	2.21	2.32
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	1.72	1.64	1.36	2.12	2.34
City Gate	2.45	2.46	2.52	2.56	3.12
Delivered to Consumers					
Residential.....	4.94	5.50	5.56	5.64	6.23
Commercial	4.42	4.73	4.48	4.71	5.35
Industrial.....	2.20	2.14	2.27	3.26	4.18
Vehicle Fuel.....	2.66	2.36	2.36	2.36	2.46
Electric Utilities.....	3.23	2.76	2.34	2.98	2.97

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.





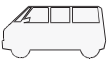



Oregon		— Natural Gas 1997			
	Million Cu. Feet	Percent of National Total		Million Cu. Feet	Percent of National Total
					
 Net Interstate Movements:	181,173		 Industrial:	90,403	1.02
 Marketed Production:	1,173	0.01	 Vehicle Fuel:	35	0.79
Deliveries to Consumers:					
 Residential:	32,522	0.65	 Electric Utilities:	10,686	0.36
 Commercial:	25,465	0.79	Total:	159,111	0.79

Table 84. Summary Statistics for Natural Gas — Oregon, 1993-1997

	1993	1994	1995	1996	1997
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	18	19	17	18	17
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	4,003	4,200	2,520	1,743	1,382
From Oil Wells.....	0	0	0	0	0
Total.....	4,003	4,200	2,520	1,743	1,382
Repressuring	0	55	43	39	43
Nonhydrocarbon Gases Removed.....	0	924	554	265	166
Wet After Lease Separation	4,003	3,221	1,923	1,439	1,173
Vented and Flared.....	0	0	0	0	0
Marketed Production	4,003	3,221	1,923	1,439	1,173
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	4,003	3,221	1,923	1,439	1,173
Supply (million cubic feet)					
Dry Production.....	4,003	3,221	1,923	1,439	1,173
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	540,702	765,764	882,385	906,506	954,325
Withdrawals from Storage					
Underground Storage.....	6,302	5,237	3,567	5,199	4,943
LNG Storage	1,360	1,117	675	939	841
Supplemental Gas Supplies.....	3	2	2	2	2
Balancing Item.....	25,583	6,816	4,075	-11,418	-9,392
Total Supply.....	577,952	782,157	892,627	902,666	951,893

See footnotes at end of table.

Table 84. Summary Statistics for Natural Gas — Oregon, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	135,611	146,409	145,867	168,605	171,592
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	435,002	628,931	741,523	728,952	773,152
Additions to Storage					
Underground Storage	6,202	5,956	4,447	4,416	6,259
LNG Storage	1,137	860	790	693	889
Total Disposition	577,952	782,157	892,627	902,666	951,893
Consumption (million cubic feet)					
Lease Fuel	118	95	66	40	0
Pipeline Fuel	4,877	5,788	7,256	7,939	12,481
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	29,777	28,848	28,067	33,236	32,522
Commercial	24,047	22,960	22,419	25,597	25,465
Industrial	60,617	62,569	68,904	87,754	90,403
Vehicle Fuel	8	17	18	25	35
Electric Utilities	16,167	26,132	19,136	14,015	10,686
Total Delivered to Consumers	130,615	140,526	138,545	160,626	159,111
Total Consumption	135,611	146,409	145,867	168,605	171,592
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	504	430	419	431	378
Industrial	43,558	42,891	51,352	71,942	75,666
Electric Utilities	16,041	26,310	19,136	13,127	10,446
Firm Deliveries (million cubic feet)					
Residential	29,777	28,848	28,067	33,236	32,522
Commercial	23,543	22,529	22,001	25,166	25,087
Industrial	16,067	18,733	22,694	41,597	48,360
Electric Utilities	14,879	26,310	19,136	13,127	10,446
Vehicle Fuel	8	17	18	25	35
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	504	430	419	431	378
Industrial	44,549	43,835	46,211	46,157	42,042
Electric Utilities	1,162	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	371,151	391,845	411,465	433,638	456,960
Commercial	51,910	53,700	55,409	57,613	60,419
Industrial	696	765	791	799	704
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	80	74	68	77	71
Commercial	463	428	405	444	421
Industrial	87,093	81,789	87,110	109,830	128,413
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.70	2.06	0.93	2.26	2.19
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.71	1.86	1.77	1.77	1.80
City Gate	2.48	2.73	2.42	2.42	2.58
Delivered to Consumers					
Residential	6.42	6.99	6.74	6.31	6.21
Commercial	5.04	5.52	5.23	4.85	4.63
Industrial	3.48	3.61	3.41	3.24	3.03
Vehicle Fuel	3.77	4.91	4.63	4.43	5.92
Electric Utilities	2.28	1.85	1.31	1.33	1.49

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

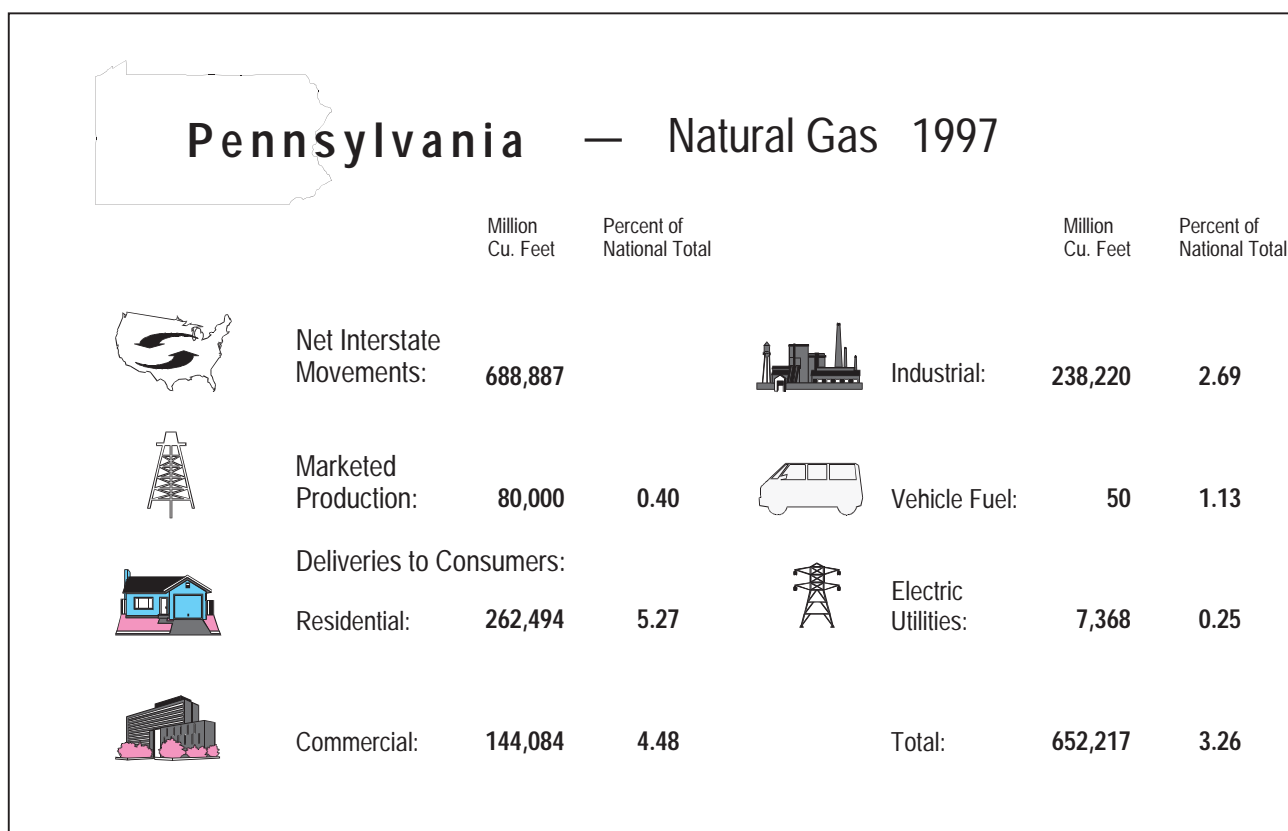


Table 85. Summary Statistics for Natural Gas — Pennsylvania, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,717	1,800	1,482	1,696	1,852
Number of Gas and Gas Condensate Wells					
Producing at End of Year	31,100	20,296	31,025	31,792	32,692
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	132,130	120,506	111,000	135,000	80,000
From Oil Wells.....	0	0	0	0	0
Total.....	132,130	120,506	111,000	135,000	80,000
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	132,130	120,506	111,000	135,000	80,000
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	132,130	120,506	111,000	135,000	80,000
Extraction Loss.....	513	513	582	603	734
Total Dry Production.....	131,617	119,993	110,418	134,397	79,266
Supply (million cubic feet)					
Dry Production.....	131,617	119,993	110,418	134,397	79,266
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	2,167,583	2,165,861	2,718,075	2,650,265	2,477,537
Withdrawals from Storage					
Underground Storage.....	381,060	340,334	396,393	316,757	341,168
LNG Storage	4,534	5,030	3,921	4,722	5,852
Supplemental Gas Supplies.....	110	252	75	266	135
Balancing Item.....	-236,955	-111,958	-188,486	-192,298	-104,242
Total Supply.....	2,447,949	2,519,513	3,040,396	2,914,109	2,799,716

See footnotes at end of table.

Table 85. Summary Statistics for Natural Gas — Pennsylvania, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	691,021	697,232	721,433	727,963	693,664
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,370,888	1,476,943	1,982,831	1,804,267	1,788,650
Additions to Storage					
Underground Storage	381,711	339,512	332,608	376,290	312,787
LNG Storage	4,329	5,826	3,523	5,590	4,615
Total Disposition	2,447,949	2,519,513	3,040,396	2,914,109	2,799,716
Consumption (million cubic feet)					
Lease Fuel	3,910	3,136	2,888	3,082	2,022
Pipeline Fuel	36,289	37,959	37,869	40,642	39,173
Plant Fuel	235	116	181	217	253
Delivered to Consumers					
Residential	268,996	268,405	262,126	278,606	262,494
Commercial	131,776	138,473	143,735	154,642	144,084
Industrial	241,508	236,417	249,928	243,499	238,220
Vehicle Fuel	4	10	10	35	50
Electric Utilities	8,304	12,716	24,697	7,239	7,368
Total Delivered to Consumers	650,587	656,021	680,495	684,022	652,217
Total Consumption	691,021	697,232	721,433	727,963	693,664
Delivered for the Account of Others (million cubic feet)					
Residential	1,397	998	211	245	5,062
Commercial	29,758	35,514	45,481	45,809	52,464
Industrial	183,131	187,980	209,372	198,545	204,331
Electric Utilities	3,264	8,948	24,181	5,056	5,493
Firm Deliveries (million cubic feet)					
Residential	268,996	268,405	262,126	278,606	262,494
Commercial	117,745	124,236	129,771	134,732	129,248
Industrial	152,465	172,414	184,624	180,509	176,010
Electric Utilities	5,984	6,195	3,549	1,662	1,333
Vehicle Fuel	2	7	5	23	34
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	14,030	14,237	13,964	19,910	14,836
Industrial	89,043	64,003	65,304	62,990	62,210
Electric Utilities	3,021	7,958	22,028	4,147	4,701
Vehicle Fuel	1	3	4	11	16
Number of Consumers					
Residential	2,386,249	2,393,053	2,413,715	2,431,909	2,452,524
Commercial	198,299	206,812	209,245	214,340	215,057
Industrial	6,407	6,388	6,328	6,441	6,495
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	113	112	109	115	107
Commercial	665	670	687	721	670
Industrial	37,694	37,010	39,496	37,805	36,677
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.71	2.76	2.84	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.83	2.47	2.00	2.71	2.72
City Gate	3.41	3.46	3.09	2.68	4.09
Delivered to Consumers					
Residential	6.84	7.44	7.16	7.38	8.33
Commercial	5.99	6.50	6.28	6.44	7.35
Industrial	3.85	4.01	3.90	4.12	4.61
Vehicle Fuel	8.28	6.46	7.24	4.14	5.00
Electric Utilities	2.65	2.36	2.04	2.85	3.02

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

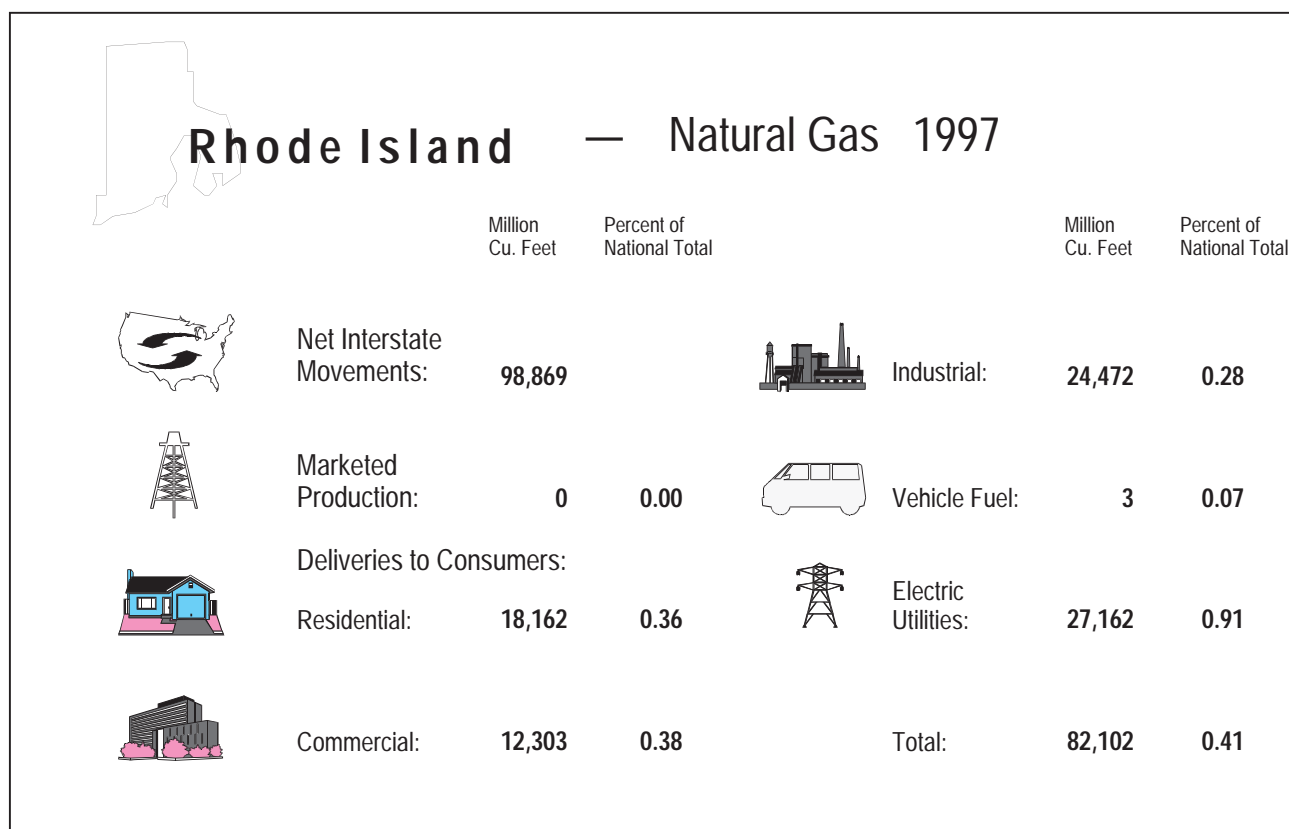


Table 86. Summary Statistics for Natural Gas — Rhode Island, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	159,848	184,516	251,800	243,047	221,909
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	800	996	908	1,603	1,533
Supplemental Gas Supplies.....	126	0	27	42	18
Balancing Item.....	11,282	12,678	-30,041	-24,660	-16,425
Total Supply	172,056	198,189	222,694	220,031	207,035

See footnotes at end of table.

Table 86. Summary Statistics for Natural Gas — Rhode Island, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	75,559	71,267	70,137	82,725	82,938
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	96,034	125,766	151,700	136,456	123,040
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	462	1,156	857	850	1,056
Total Disposition	172,056	198,189	222,694	220,031	207,035
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	213	366	617	685	837
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	19,722	17,384	17,342	18,839	18,162
Commercial	9,205	12,049	12,064	12,298	12,303
Industrial	46,031	40,921	35,109	25,829	24,472
Vehicle Fuel	1	1	2	3	3
Electric Utilities	387	546	5,002	25,071	27,162
Total Delivered to Consumers	75,346	70,901	69,520	82,041	82,102
Total Consumption	75,559	71,267	70,137	82,725	82,938
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	0	0	0	1,010	2,405
Industrial	41,243	37,257	31,211	21,472	20,203
Electric Utilities	0	0	0	25,046	27,298
Firm Deliveries (million cubic feet)					
Residential	19,722	17,384	17,342	18,839	18,162
Commercial	7,825	10,524	11,206	12,105	12,272
Industrial	43,502	39,723	33,885	24,759	23,613
Electric Utilities	0	0	0	25,046	27,298
Vehicle Fuel	1	1	2	3	3
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	1,380	1,525	858	193	31
Industrial	2,529	1,197	1,224	1,071	859
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	198,563	200,959	202,947	204,259	212,777
Commercial	21,178	21,208	21,472	21,664	21,862
Industrial	1,066	1,064	359	363	336
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	99	87	85	92	85
Commercial	435	568	562	568	563
Industrial	43,181	38,459	97,798	71,156	72,834
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	3.31	2.69	2.21	3.35	3.15
City Gate	4.41	4.17	3.57	4.41	4.49
Delivered to Consumers					
Residential	8.17	9.12	8.02	8.49	9.61
Commercial	7.10	7.57	6.41	7.50	8.21
Industrial	5.11	4.43	4.09	4.67	4.33
Vehicle Fuel	7.09	7.09	5.85	3.34	5.27
Electric Utilities	2.51	2.29	1.90	2.29	3.35

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" (1993 through 1995); Form EIA-895, "Monthly

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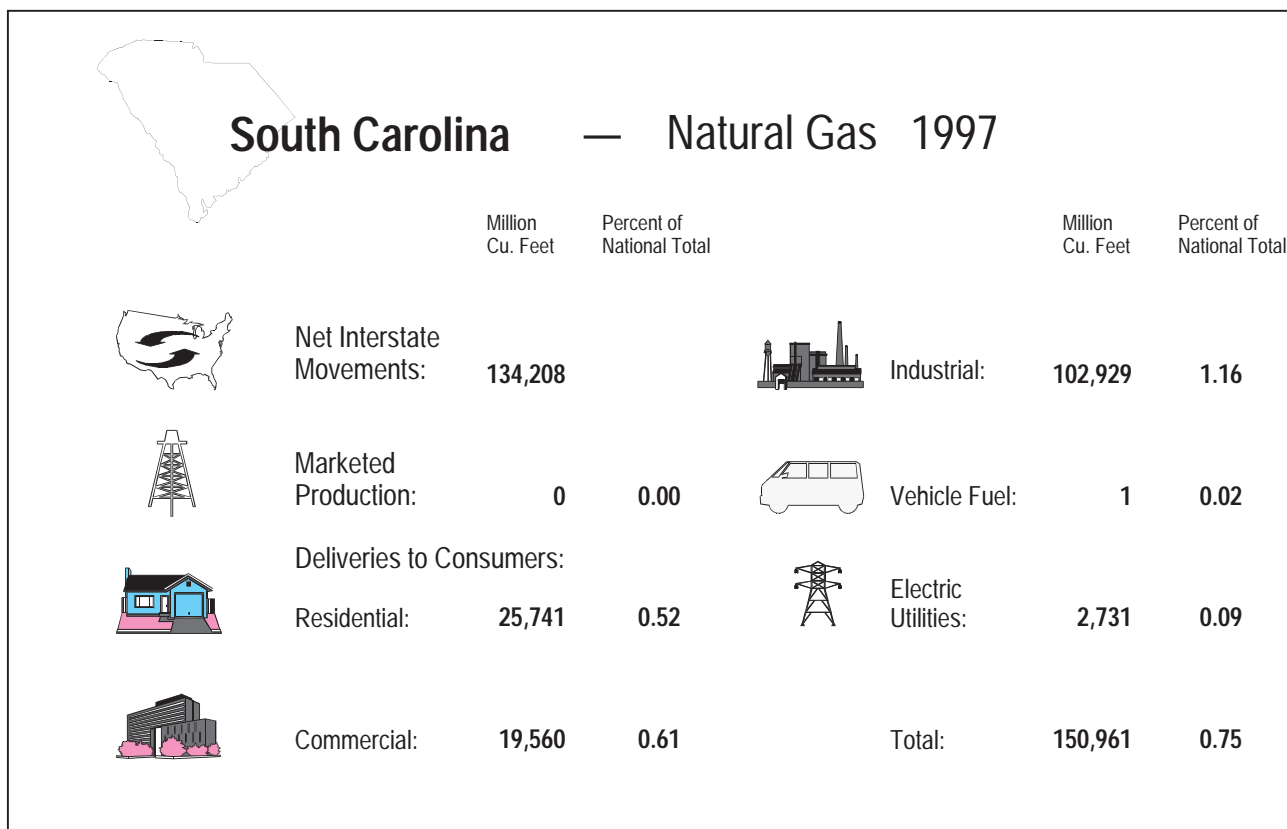


Table 87. Summary Statistics for Natural Gas — South Carolina, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	1,024,140	1,025,779	1,053,357	1,102,786	1,105,842
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	752	682	754	910	461
Supplemental Gas Supplies.....	34	154	62	178	10
Balancing Item.....	11,296	14,766	4,985	12,094	19,228
Total Supply.....	1,036,222	1,041,381	1,059,158	1,115,967	1,125,541

See footnotes at end of table.

Table 87. Summary Statistics for Natural Gas — South Carolina, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	141,522	144,526	151,915	149,572	153,901
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	893,469	896,007	906,316	965,420	971,634
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	1,231	847	927	976	6
Total Disposition	1,036,222	1,041,381	1,059,158	1,115,967	1,125,541
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	2,755	2,663	2,934	3,138	2,940
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	24,345	23,486	25,164	29,406	25,741
Commercial	17,014	17,870	18,868	20,328	19,560
Industrial	95,557	97,500	98,332	95,493	102,929
Vehicle Fuel	0	2	1	1	1
Electric Utilities	1,851	3,005	6,615	1,206	2,731
Total Delivered to Consumers	138,767	141,863	148,980	146,434	150,961
Total Consumption	141,522	144,526	151,915	149,572	153,901
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	132	265	688	199	235
Industrial	33,507	22,755	18,336	13,562	13,525
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	24,345	23,486	25,164	29,406	25,741
Commercial	14,156	14,435	15,127	16,555	15,421
Industrial	12,292	17,424	18,452	17,983	18,483
Electric Utilities	0	60	72	3	0
Vehicle Fuel	0	2	1	1	1
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	2,859	3,435	3,740	3,773	4,139
Industrial	83,265	80,076	79,880	77,510	84,446
Electric Utilities	1,415	2,961	12,663	1,715	2,709
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	370,411	416,773	412,259	426,088	443,093
Commercial	42,191	45,487	47,293	48,650	50,817
Industrial	1,625	1,928	1,802	1,759	1,764
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	66	56	61	69	58
Commercial	403	393	399	418	385
Industrial	58,804	50,571	54,568	54,288	58,350
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.08	2.06	1.80	2.54	3.28
City Gate	3.54	3.67	3.25	3.90	3.81
Delivered to Consumers					
Residential	7.14	7.65	7.54	7.41	8.37
Commercial	5.82	6.11	6.09	6.26	6.74
Industrial	3.35	3.32	3.11	3.77	3.72
Vehicle Fuel	—	3.40	4.67	2.87	5.17
Electric Utilities	2.97	1.71	1.64	4.56	4.07

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" (1993 through 1995); Form EIA-895, "Monthly

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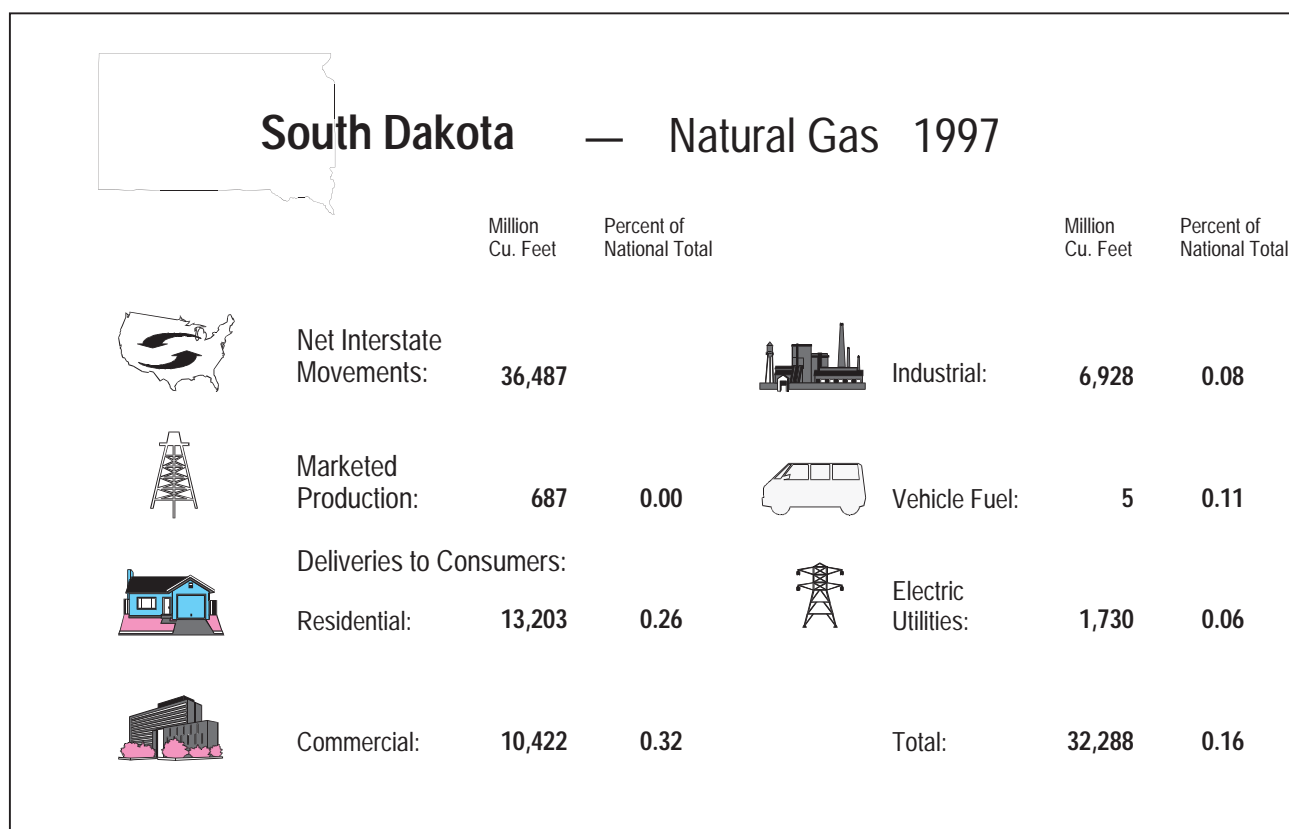


Table 88. Summary Statistics for Natural Gas — South Dakota, 1993-1997

	1993	1994	1995	1996	1997
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	47	55	56	61	60
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	854	1,000	848	905	687
From Oil Wells.....	6,204	6,264	7,526	8,061	9,107
Total.....	7,057	7,264	8,374	8,965	9,795
Repressuring	19	22	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	7,038	7,242	8,374	8,965	9,795
Vented and Flared.....	5,732	5,805	7,122	7,636	9,107
Marketed Production	1,306	1,437	1,252	1,329	687
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	1,306	1,437	1,252	1,329	687
Supply (million cubic feet)					
Dry Production.....	1,306	1,437	1,252	1,329	687
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	592,248	613,908	638,002	656,552	648,098
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	143	0
Supplemental Gas Supplies.....	9	61	37	87	30
Balancing Item.....	-650	-773	-960	-980	-1,783
Total Supply.....	592,913	614,633	638,331	657,130	647,033

See footnotes at end of table.

Table 88. Summary Statistics for Natural Gas — South Dakota, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	31,311	30,980	34,292	36,905	35,421
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	561,602	583,653	604,039	620,225	611,611
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	592,913	614,633	638,331	657,130	647,033
Consumption (million cubic feet)					
Lease Fuel	452	437	404	424	224
Pipeline Fuel	2,564	2,541	2,724	2,887	2,910
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	12,431	12,056	12,610	14,085	13,203
Commercial	10,696	10,274	10,685	11,598	10,422
Industrial	4,976	5,508	6,933	7,182	6,928
Vehicle Fuel	7	5	4	4	5
Electric Utilities	186	159	931	725	1,730
Total Delivered to Consumers	28,295	28,002	31,164	33,594	32,288
Total Consumption	31,311	30,980	34,292	36,905	35,421
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	1	1
Commercial	1,724	1,124	1,406	2,008	1,742
Industrial	2,428	3,449	5,017	5,414	5,257
Electric Utilities	142	64	0	0	0
Firm Deliveries (million cubic feet)					
Residential	12,431	12,056	12,610	14,085	13,203
Commercial	8,890	9,491	9,868	10,698	9,663
Industrial	2,040	2,571	2,835	2,960	2,885
Electric Utilities	0	0	0	0	0
Vehicle Fuel	7	5	4	4	5
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	1,806	784	816	900	759
Industrial	2,935	2,936	4,098	4,222	4,043
Electric Utilities	154	64	0	0	0
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	128,029	119,544	124,152	127,269	130,307
Commercial	16,523	15,539	16,285	16,880	17,432
Industrial	355	381	396	444	481
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	97	101	102	111	101
Commercial	647	661	656	687	598
Industrial	14,016	14,456	17,509	16,176	14,404
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.13	1.73	1.59	—	2.09
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.80	1.36	1.03	1.75	2.13
City Gate	3.35	3.35	2.88	3.19	3.65
Delivered to Consumers					
Residential	5.30	5.27	5.05	5.25	5.75
Commercial	4.37	4.35	3.99	4.20	4.71
Industrial	3.76	3.72	3.44	3.50	4.02
Vehicle Fuel	4.19	3.17	3.89	3.76	3.48
Electric Utilities	2.41	2.65	1.58	2.36	NA

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.




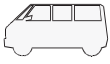



		Tennessee — Natural Gas 1997			
		Million Cu. Feet	Percent of National Total	Million Cu. Feet	Percent of National Total
	Net Interstate Movements:	296,612			Industrial: 138,877 1.57
	Marketed Production:	1,510	0.01		Vehicle Fuel: 13 0.29
Deliveries to Consumers:					
	Residential:	64,130	1.29		Electric Utilities: 1,635 0.06
	Commercial:	55,117	1.71		Total: 259,773 1.30

Table 89. Summary Statistics for Natural Gas — Tennessee, 1993-1997

	1993	1994	1995	1996	1997
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	0	505
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	0	0	0	0	0
From Oil Wells.....	1,660	1,990	1,820	1,690	1,510
Total.....	1,660	1,990	1,820	1,690	1,510
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	1,660	1,990	1,820	1,690	1,510
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	1,660	1,990	1,820	1,690	1,510
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	1,660	1,990	1,820	1,690	1,510
Supply (million cubic feet)					
Dry Production.....	1,660	1,990	1,820	1,690	1,510
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	3,510,786	3,878,897	4,027,113	4,272,871	3,868,295
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	2,931	2,879	3,035	3,985	2,416
Supplemental Gas Supplies.....	13	84	33	73	19
Balancing Item.....	51,663	24,107	-14,215	-44,277	-16,306
Total Supply.....	3,567,053	3,907,957	4,017,785	4,234,342	3,855,935

See footnotes at end of table.

Table 89. Summary Statistics for Natural Gas — Tennessee, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	254,218	246,157	256,843	280,311	282,377
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	3,310,172	3,658,815	3,758,529	3,951,222	3,571,683
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	2,663	2,985	2,414	2,809	1,875
Total Disposition	3,567,053	3,907,957	4,017,785	4,234,342	3,855,935
Consumption (million cubic feet)					
Lease Fuel	49	44	47	37	45
Pipeline Fuel	18,655	18,106	17,696	24,221	22,559
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	58,919	57,334	59,994	70,423	64,130
Commercial	50,754	50,760	51,235	58,497	55,117
Industrial	124,306	118,889	125,814	126,545	138,877
Vehicle Fuel	4	5	3	15	13
Electric Utilities	1,531	1,019	2,055	572	1,635
Total Delivered to Consumers	235,514	228,007	239,100	256,053	259,773
Total Consumption	254,218	246,157	256,843	280,311	282,377
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	2,129	2,992	3,163	3,316	4,312
Industrial	66,780	64,615	65,914	67,050	85,683
Electric Utilities	1,015	498	1,414	425	1,906
Firm Deliveries (million cubic feet)					
Residential	58,919	57,057	59,994	70,423	64,130
Commercial	47,002	46,932	47,235	53,058	48,995
Industrial	38,150	44,500	47,941	52,137	63,370
Electric Utilities	0	0	0	0	0
Vehicle Fuel	4	5	3	15	13
Interruptible Deliveries (million cubic feet)					
Residential	NA	277	0	0	0
Commercial	3,752	3,829	4,000	5,440	6,122
Industrial	86,155	74,389	77,873	74,408	75,507
Electric Utilities	1,625	971	2,127	688	1,906
Vehicle Fuel	0	0	0	0	0
Number of Consumers					
Residential	733,363	768,421	804,724	841,232	867,793
Commercial	94,860	97,943	101,561	103,867	105,925
Industrial	2,512	2,440	2,393	2,306	2,394
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	80	75	75	84	74
Commercial	535	518	504	563	520
Industrial	49,485	48,725	52,576	54,877	58,011
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	2.65	2.16	1.54	2.54	2.55
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	2.23	1.88	1.59	2.57	2.52
City Gate	2.93	2.71	2.71	4.04	3.60
Delivered to Consumers					
Residential	5.69	6.13	5.77	6.26	6.91
Commercial	5.27	5.56	5.18	5.72	6.11
Industrial	3.89	3.84	3.34	3.92	4.18
Vehicle Fuel	4.63	5.69	5.08	5.49	5.59
Electric Utilities	1.11	1.20	2.28	2.61	NA

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

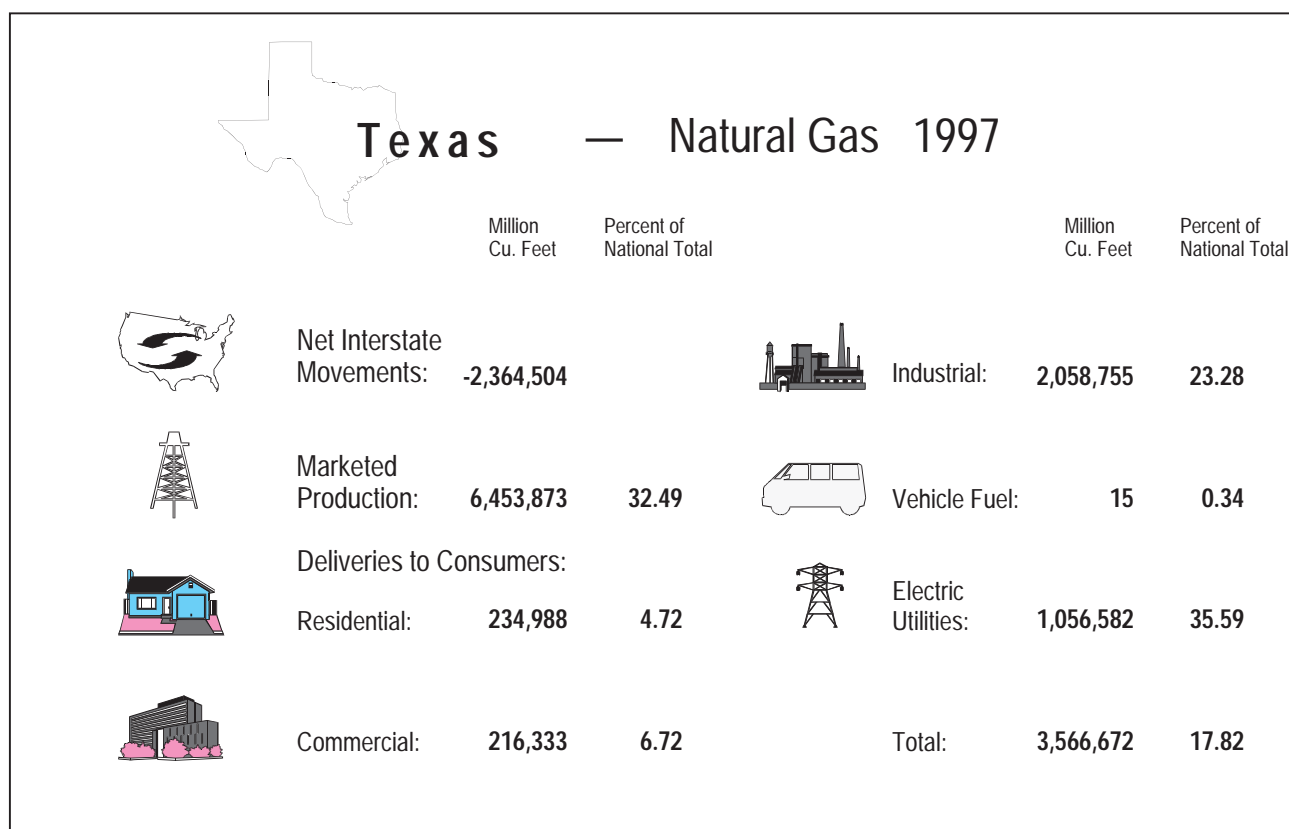


Table 90. Summary Statistics for Natural Gas — Texas, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	41,379	42,357	43,067	38,270	37,761
Number of Gas and Gas Condensate Wells					
Producing at End of Year	47,101	48,654	54,635	53,816	56,747
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	5,474,559	5,643,577	5,660,153	5,823,804	5,865,930
From Oil Wells.....	1,342,368	1,268,127	1,212,503	1,182,798	1,150,211
Total.....	6,816,927	6,911,705	6,872,656	7,006,602	7,016,141
Repressuring	348,558	319,360	296,192	273,301	250,949
Nonhydrocarbon Gases Removed.....	184,258	196,463	200,233	238,897	263,397
Wet After Lease Separation	6,284,111	6,395,881	6,376,231	6,494,404	6,501,795
Vented and Flared.....	34,486	42,037	46,183	45,382	47,922
Marketed Production	6,249,624	6,353,844	6,330,048	6,449,022	6,453,873
Extraction Loss.....	385,063	381,020	381,712	398,442	391,174
Total Dry Production.....	5,864,561	5,972,824	5,948,336	6,050,580	6,062,699
Supply (million cubic feet)					
Dry Production.....	5,864,561	5,972,824	5,948,336	6,050,580	6,062,699
Receipts at State Borders					
Imports	1,678	7,013	6,722	13,862	17,243
Intransit Receipts	0	0	0	0	0
Interstate Receipts	538,183	603,826	853,812	941,088	824,731
Withdrawals from Storage					
Underground Storage.....	232,070	274,046	300,889	369,783	322,289
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	3	1	1	0	0
Balancing Item.....	-65,481	-164,969	232,524	365,508	242,357
Total Supply.....	6,571,015	6,692,740	7,342,283	7,740,821	7,469,319

See footnotes at end of table.

Table 90. Summary Statistics for Natural Gas — Texas, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	3,741,252	3,666,329	3,802,489	3,991,316	3,950,587
Deliveries at State Borders					
Exports	36,423	44,041	61,241	30,435	34,163
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	2,571,929	2,672,096	3,203,828	3,413,156	3,172,315
Additions to Storage					
Underground Storage.....	221,412	310,273	274,724	305,914	312,254
LNG Storage	0	0	0	0	0
Total Disposition	6,571,015	6,692,740	7,342,283	7,740,821	7,469,319
Consumption (million cubic feet)					
Lease Fuel.....	130,916	139,427	178,827	177,508	144,787
Pipeline Fuel.....	82,175	95,684	81,877	75,567	82,115
Plant Fuel.....	165,507	158,826	154,721	153,039	157,013
Delivered to Consumers					
Residential.....	231,799	213,433	206,415	229,318	234,988
Commercial	175,988	180,232	209,584	178,549	216,333
Industrial.....	1,882,288	1,829,478	1,923,763	2,138,155	2,058,755
Vehicle Fuel.....	73	45	29	24	15
Electric Utilities	1,072,506	1,049,205	1,047,274	1,039,155	1,056,582
Total Delivered to Consumers	3,362,654	3,272,393	3,387,065	3,585,201	3,566,672
Total Consumption.....	3,741,252	3,666,329	3,802,489	3,991,316	3,950,587
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	28,423	31,742	65,911	29,469	83,494
Industrial.....	1,258,773	1,321,308	1,402,017	1,708,843	1,703,403
Electric Utilities	544,255	659,710	577,894	578,654	538,488
Firm Deliveries (million cubic feet)					
Residential.....	231,799	213,433	206,415	229,318	234,988
Commercial	157,320	167,798	154,451	164,788	204,671
Industrial.....	1,014,361	1,114,766	1,069,917	1,165,722	1,177,378
Electric Utilities	424,350	512,960	410,160	479,907	478,433
Vehicle Fuel.....	73	6	2	21	14
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	18,667	12,433	55,133	13,761	11,662
Industrial.....	867,927	714,712	853,846	972,433	881,377
Electric Utilities	444,175	478,646	473,726	419,121	383,483
Vehicle Fuel.....	0	40	27	3	1
Number of Consumers					
Residential.....	3,346,809	3,350,314	3,446,120	3,501,853	3,543,027
Commercial	297,516	306,376	325,785	329,287	332,077
Industrial.....	5,823	5,222	9,043	8,796	8,178
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	69	64	60	65	66
Commercial	592	588	643	542	651
Industrial.....	323,250	350,341	212,735	243,083	251,743
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.09	1.89	1.61	2.29	2.48
Imports	1.94	1.99	1.53	2.25	2.31
Exports	2.10	1.68	1.49	2.13	2.46
Pipeline Fuel.....	1.82	1.64	1.64	2.40	2.36
City Gate	3.32	3.00	2.95	3.22	3.66
Delivered to Consumers					
Residential.....	5.91	5.99	5.92	5.89	6.32
Commercial	4.45	4.33	4.09	4.27	4.91
Industrial.....	2.51	2.20	1.89	2.58	2.82
Vehicle Fuel.....	5.03	3.41	2.88	3.34	3.17
Electric Utilities	2.47	2.20	1.93	2.51	2.69

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" (1993 through 1995); Form EIA-895, "Monthly

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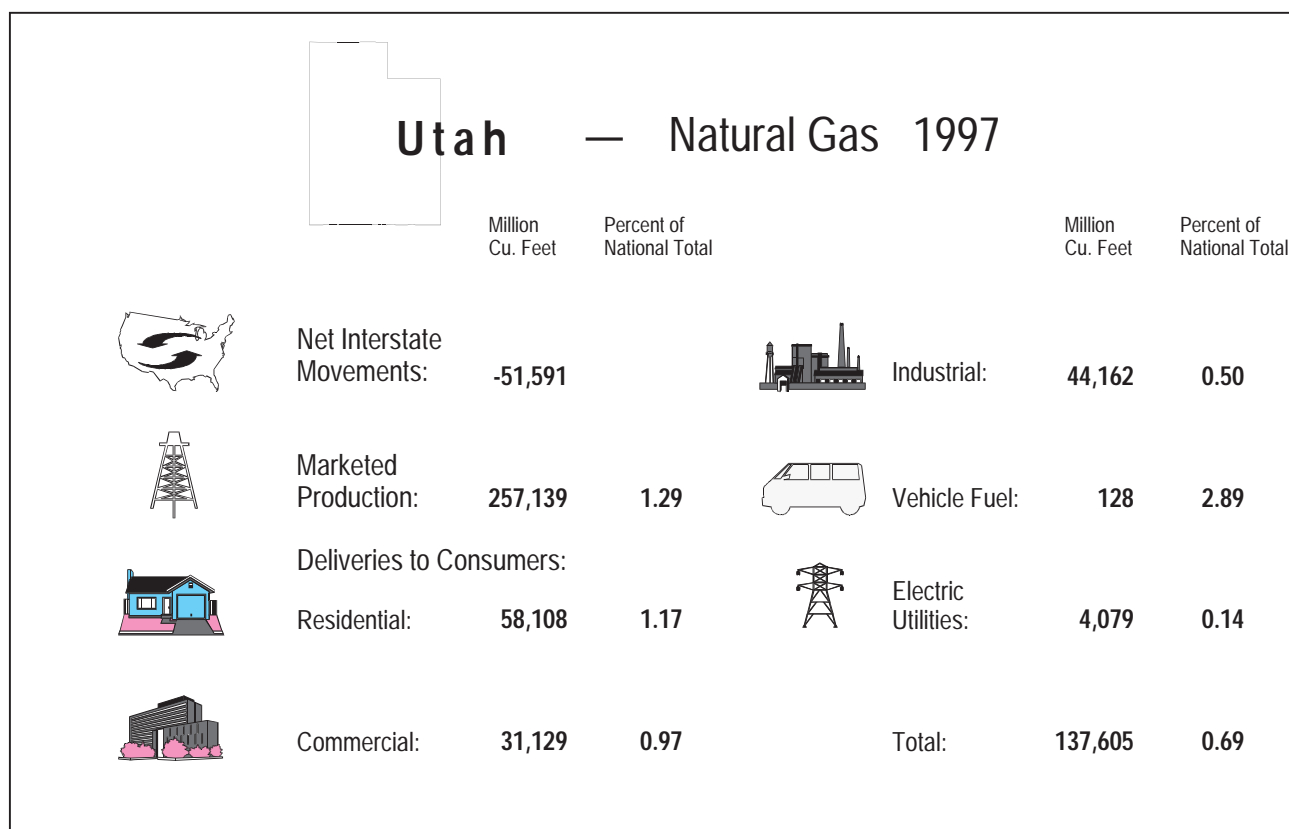


Table 91. Summary Statistics for Natural Gas — Utah, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	2,040	1,789	1,580	1,633	1,839
Number of Gas and Gas Condensate Wells					
Producing at End of Year	1,061	1,303	1,127	1,339	1,475
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	264,481	304,347	262,400	233,594	231,368
From Oil Wells.....	71,702	42,672	40,833	47,614	43,552
Total.....	336,183	347,019	303,233	281,208	274,920
Repressuring	108,629	72,798	26,874	3,165	990
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	227,554	274,221	276,358	278,044	273,930
Vented and Flared.....	2,153	3,363	35,069	27,277	16,790
Marketed Production	225,401	270,858	241,290	250,767	257,139
Extraction Loss.....	13,300	13,780	13,679	10,970	17,872
Total Dry Production.....	212,101	257,078	227,611	239,797	239,267
Supply (million cubic feet)					
Dry Production.....	212,101	257,078	227,611	239,797	239,267
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	393,269	444,646	431,245	420,103	443,318
Withdrawals from Storage					
Underground Storage.....	27,216	22,921	32,084	45,323	35,231
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	-99,012	-104,650	-113,083	-121,524	-14,947
Total Supply.....	533,574	619,996	577,857	583,698	702,870

See footnotes at end of table.

Table 91. Summary Statistics for Natural Gas — Utah, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	138,044	137,073	156,824	160,371	165,159
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	361,042	440,415	388,831	390,959	494,909
Additions to Storage					
Underground Storage	34,488	42,508	32,201	32,368	42,803
LNG Storage	0	0	0	0	0
Total Disposition	533,574	619,996	577,857	583,698	702,870
Consumption (million cubic feet)					
Lease Fuel	3,241	3,322	18,520	18,570	16,478
Pipeline Fuel	2,513	2,807	2,831	3,601	2,935
Plant Fuel	9,285	9,951	8,492	8,549	8,141
Delivered to Consumers					
Residential	51,779	48,922	48,975	54,344	58,108
Commercial	22,588	26,501	26,825	29,543	31,129
Industrial	42,301	36,618	42,373	42,213	44,162
Vehicle Fuel	33	52	100	122	128
Electric Utilities	6,305	8,900	8,707	3,428	4,079
Total Delivered to Consumers	123,005	120,993	126,981	129,651	137,605
Total Consumption	138,044	137,073	156,824	160,371	165,159
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	0	4,438	4,892	5,360	5,222
Industrial	39,387	32,238	37,694	38,424	40,234
Electric Utilities	5,004	7,922	7,515	4,006	3,435
Firm Deliveries (million cubic feet)					
Residential	51,779	48,922	48,975	54,344	58,108
Commercial	21,258	20,273	20,102	22,811	24,442
Industrial	1,891	1,999	1,772	12,816	16,272
Electric Utilities	0	6,200	7,094	3,559	2,190
Vehicle Fuel	33	52	100	122	127
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	1,330	6,228	6,723	6,733	6,687
Industrial	40,410	34,619	40,601	29,397	27,890
Electric Utilities	5,009	1,756	457	506	1,279
Vehicle Fuel	0	0	0	1	1
Number of Consumers					
Residential	484,438	503,583	523,622	562,343	567,786
Commercial	37,816	39,183	40,101	40,107	40,689
Industrial	345	252	713	923	3,379
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	107	97	94	97	102
Commercial	597	676	669	737	765
Industrial	122,611	145,310	59,430	45,734	13,070
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.77	1.54	1.15	1.39	1.86
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.91	1.94	1.57	1.68	2.20
City Gate	2.63	3.31	2.88	2.25	2.79
Delivered to Consumers					
Residential	5.13	4.96	4.74	4.47	5.13
Commercial	4.06	3.84	3.64	3.38	3.91
Industrial	3.67	2.74	2.34	2.10	2.55
Vehicle Fuel	5.27	4.90	4.73	4.49	5.37
Electric Utilities	2.31	2.42	2.26	1.83	2.09

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.

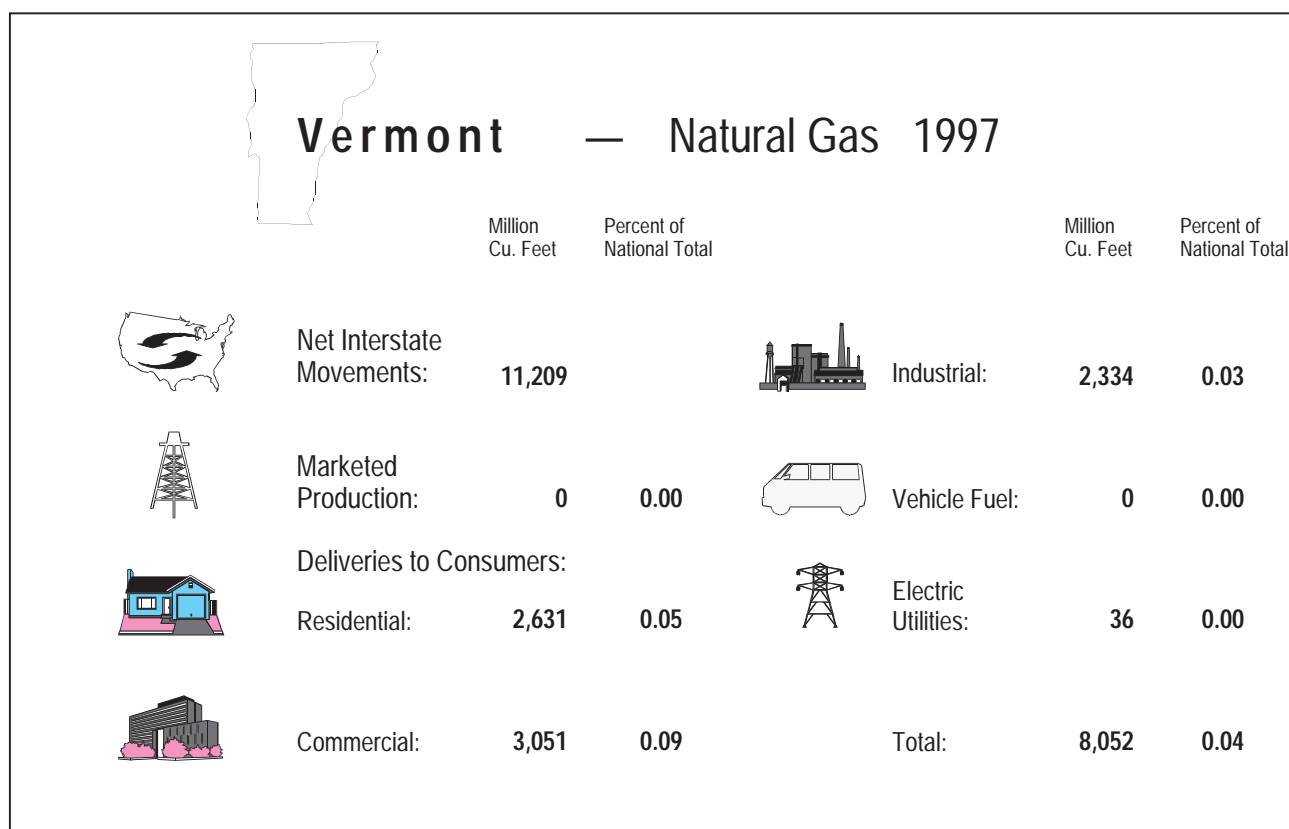


Table 92. Summary Statistics for Natural Gas — Vermont, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	16,424	18,091	18,429	18,736	19,343
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.....	4	9	4	5	6
Balancing Item.....	-103	-12	-1,823	-3,470	-3,153
Total Supply	16,325	18,088	16,610	15,270	16,195

See footnotes at end of table.

Table 92. Summary Statistics for Natural Gas — Vermont, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	7,228	7,299	7,275	7,333	8,061
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	9,097	10,789	9,335	7,937	8,134
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	0	0	0	0	0
Total Disposition	16,325	18,088	16,610	15,270	16,195
Consumption (million cubic feet)					
Lease Fuel.....	0	0	0	0	0
Pipeline Fuel.....	3	3	7	8	9
Plant Fuel.....	0	0	0	0	0
Delivered to Consumers					
Residential.....	2,530	2,438	2,299	2,523	2,631
Commercial	2,382	2,669	2,672	2,825	3,051
Industrial.....	2,045	2,023	2,159	1,953	2,334
Vehicle Fuel.....	0	0	0	0	0
Electric Utilities.....	268	166	138	24	36
Total Delivered to Consumers	7,225	7,297	7,268	7,325	8,052
Total Consumption.....	7,228	7,299	7,275	7,333	8,061
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.....	2,530	2,438	2,299	2,523	2,631
Commercial	2,382	2,669	2,672	2,825	3,051
Industrial.....	100	116	131	133	159
Electric Utilities.....	0	0	0	0	0
Vehicle Fuel.....	0	0	0	0	0
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	0	0	0	0	0
Industrial.....	1,945	1,908	2,028	1,820	2,176
Electric Utilities.....	268	165	138	24	35
Vehicle Fuel.....	0	0	0	0	0
Number of Consumers					
Residential.....	21,553	22,546	23,523	24,383	25,539
Commercial	3,314	3,512	3,649	3,790	3,928
Industrial.....	20	24	23	27	30
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	117	108	98	103	103
Commercial	719	760	732	745	777
Industrial.....	102,255	84,307	93,854	72,327	77,807
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	—	—	—	—	—
Imports	2.14	2.14	2.53	2.97	2.83
Exports	—	—	—	—	—
Pipeline Fuel.....	2.89	2.89	1.05	1.09	1.09
City Gate	2.96	3.11	2.61	2.74	2.33
Delivered to Consumers					
Residential.....	6.19	6.94	6.82	6.40	6.41
Commercial	5.25	5.60	5.43	5.24	5.18
Industrial.....	3.57	3.47	3.39	3.44	3.07
Vehicle Fuel.....	—	—	—	—	—
Electric Utilities.....	2.01	2.31	1.95	3.22	3.16

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. *Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.





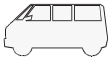



 Virginia — Natural Gas 1997		Million Cu. Feet	Percent of National Total	Million Cu. Feet	Percent of National Total
	Net Interstate Movements:	213,228			Industrial: 85,264 0.96
	Marketed Production:	58,249	0.29		Vehicle Fuel: 37 0.84
	Deliveries to Consumers: Residential:	73,905	1.48		Electric Utilities: 11,571 0.39
	Commercial:	61,895	1.92		Total: 232,672 1.16

Table 93. Summary Statistics for Natural Gas — Virginia, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	1,322	1,833	1,836	1,930	2,446
Number of Gas and Gas Condensate Wells					
Producing at End of Year	1,426	1,470	1,671	1,671	2,046
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	37,840	50,259	49,818	54,290	58,249
From Oil Wells.....	0	0	0	0	0
Total.....	37,840	50,259	49,818	54,290	58,249
Repressuring	0	0	0	0	0
Nonhydrocarbon Gases Removed.....	0	0	0	0	0
Wet After Lease Separation	37,840	50,259	49,818	54,290	58,249
Vented and Flared.....	0	0	0	0	0
Marketed Production	37,840	50,259	49,818	54,290	58,249
Extraction Loss.....	0	0	0	0	0
Total Dry Production.....	37,840	50,259	49,818	54,290	58,249
Supply (million cubic feet)					
Dry Production.....	37,840	50,259	49,818	54,290	58,249
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,035,590	1,025,827	1,055,691	1,074,350	1,120,061
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	274	236	1,276	1,614	988
Supplemental Gas Supplies.....	538	1,195	445	716	350
Balancing Item.....	-4,287	38,265	-8,362	-22,638	-30,329
Total Supply.....	1,069,956	1,115,782	1,098,868	1,108,332	1,149,318

See footnotes at end of table.

Table 93. Summary Statistics for Natural Gas — Virginia, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	217,893	230,562	247,198	239,100	241,389
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries.....	0	0	0	0	0
Interstate Deliveries	851,890	885,104	850,457	867,600	906,833
Additions to Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	173	116	1,214	1,631	1,096
Total Disposition	1,069,956	1,115,782	1,098,868	1,108,332	1,149,318
Consumption (million cubic feet)					
Lease Fuel.....	1,120	1,102	1,296	1,183	1,330
Pipeline Fuel.....	5,736	6,338	6,286	7,777	7,387
Plant Fuel.....	0	0	0	0	0
Delivered to Consumers					
Residential.....	65,472	65,176	68,712	76,214	73,905
Commercial	52,880	52,944	56,948	59,262	61,895
Industrial.....	72,949	85,764	97,499	84,357	85,264
Vehicle Fuel.....	1	20	43	32	37
Electric Utilities	19,735	19,219	16,414	10,275	11,571
Total Delivered to Consumers	211,037	223,122	239,616	230,140	232,672
Total Consumption.....	217,893	230,562	247,198	239,100	241,389
Delivered for the Account of Others (million cubic feet)					
Residential.....	0	0	0	0	0
Commercial	5,902	7,039	9,062	8,712	13,705
Industrial.....	54,791	67,341	83,030	69,163	74,182
Electric Utilities	25,823	26,706	20,462	14,366	10,787
Firm Deliveries (million cubic feet)					
Residential.....	65,472	65,176	68,712	76,214	73,905
Commercial	38,314	39,093	41,333	44,943	44,941
Industrial.....	45,531	51,312	59,471	52,809	54,843
Electric Utilities	18,774	17,932	13,613	8,632	8,161
Vehicle Fuel.....	1	18	6	10	21
Interruptible Deliveries (million cubic feet)					
Residential.....	NA	0	0	0	0
Commercial	14,566	13,851	15,615	14,319	16,954
Industrial.....	27,418	34,452	38,028	31,548	30,421
Electric Utilities	7,075	8,865	6,849	5,770	2,642
Vehicle Fuel.....	0	2	36	21	16
Number of Consumers					
Residential.....	690,061	721,495	753,003	789,985	812,866
Commercial	70,161	72,188	74,690	77,284	78,986
Industrial.....	2,706	2,740	2,812	2,822	2,391
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential.....	95	90	91	96	91
Commercial	754	733	762	767	784
Industrial.....	26,958	31,301	34,672	29,893	35,660
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production).....	2.29	2.15	1.72	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel.....	2.27	2.14	1.83	2.60	3.22
City Gate	3.33	3.44	2.92	3.89	4.14
Delivered to Consumers					
Residential.....	7.51	7.63	7.18	7.94	8.60
Commercial	5.60	5.67	5.08	5.93	6.45
Industrial.....	3.88	3.15	3.35	4.07	4.68
Vehicle Fuel.....	5.62	2.57	2.30	2.80	5.05
Electric Utilities	2.89	2.66	2.67	2.98	2.93

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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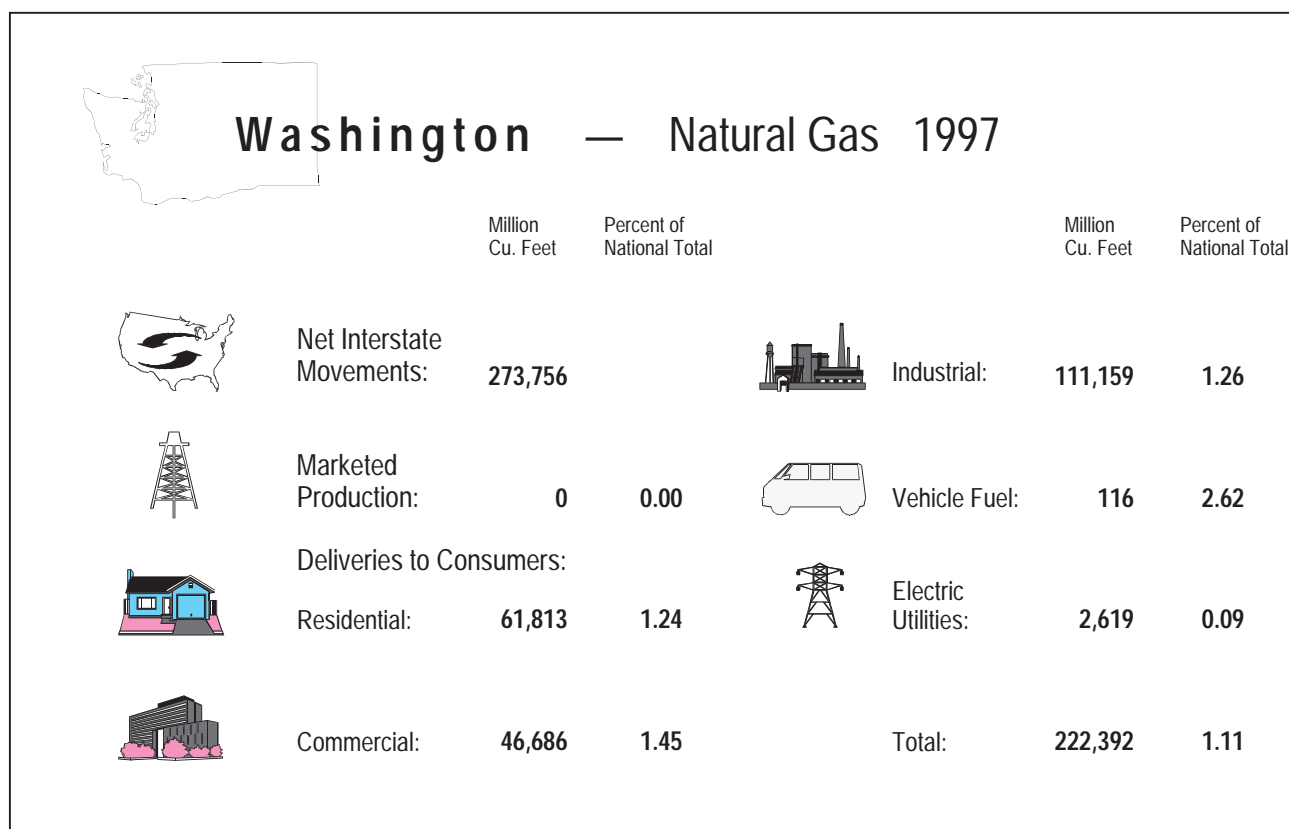


Table 94. Summary Statistics for Natural Gas — Washington, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	306,030	320,362	335,866	356,711	360,261
Intransit Receipts	0	0	0	0	0
Interstate Receipts	515,637	713,101	804,621	823,997	867,820
Withdrawals from Storage					
Underground Storage.....	17,661	17,133	15,452	22,192	19,015
LNG Storage	7,886	1,701	2,055	2,356	2,145
Supplemental Gas Supplies.....	4	0	0	0	0
Balancing Item.....	-85,384	-52,630	-34,861	-36,154	-41,478
Total Supply.....	761,833	999,668	1,123,134	1,169,102	1,207,764

See footnotes at end of table.

Table 94. Summary Statistics for Natural Gas — Washington, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	198,380	212,782	220,427	238,639	231,228
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	540,711	765,840	882,385	906,604	954,325
Additions to Storage					
Underground Storage	19,575	18,705	17,815	20,124	20,018
LNG Storage	3,167	2,340	1,902	2,284	2,193
Total Disposition	761,833	999,668	1,122,529	1,167,651	1,207,764
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	4,229	6,437	8,636	6,871	8,836
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	53,258	53,144	52,763	62,689	61,813
Commercial	43,620	42,982	42,568	48,139	46,686
Industrial	92,274	107,603	109,997	114,236	111,159
Vehicle Fuel	100	155	107	113	116
Electric Utilities	4,899	2,461	6,356	6,590	2,619
Total Delivered to Consumers	194,151	206,346	211,791	231,767	222,392
Total Consumption	198,380	212,782	220,427	238,639	231,228
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	0	0
Commercial	2,671	1,993	3,514	6,795	7,440
Industrial	54,177	62,877	73,798	86,332	85,079
Electric Utilities	1,195	2,328	2,084	6,589	2,518
Firm Deliveries (million cubic feet)					
Residential	53,258	53,144	52,763	62,689	61,813
Commercial	33,533	34,631	33,710	38,230	35,768
Industrial	47,153	48,545	47,261	94,879	87,356
Electric Utilities	0	2,307	1,682	5,525	2,518
Vehicle Fuel	77	60	17	13	16
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	10,087	8,352	8,858	9,909	10,918
Industrial	45,121	59,059	62,735	19,357	23,803
Electric Utilities	1,195	20	402	1,064	0
Vehicle Fuel	23	95	90	100	100
Number of Consumers					
Residential	565,475	604,315	638,603	673,357	702,701
Commercial	65,810	68,118	70,781	73,708	75,550
Industrial	3,448	3,586	3,544	3,587	3,748
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	94	88	83	93	88
Commercial	663	631	601	653	618
Industrial	26,762	30,007	31,037	31,847	29,658
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	1.81	1.81	1.23	1.43	1.69
Exports	—	—	—	—	—
Pipeline Fuel	1.37	1.84	1.78	1.77	1.89
City Gate	2.39	2.54	2.18	2.44	2.62
Delivered to Consumers					
Residential	5.23	5.70	5.89	5.65	5.64
Commercial	4.53	4.90	5.00	4.81	4.73
Industrial	3.22	2.95	2.74	2.67	3.16
Vehicle Fuel	4.42	4.29	5.63	2.62	3.81
Electric Utilities	3.89	4.95	4.60	4.98	NA

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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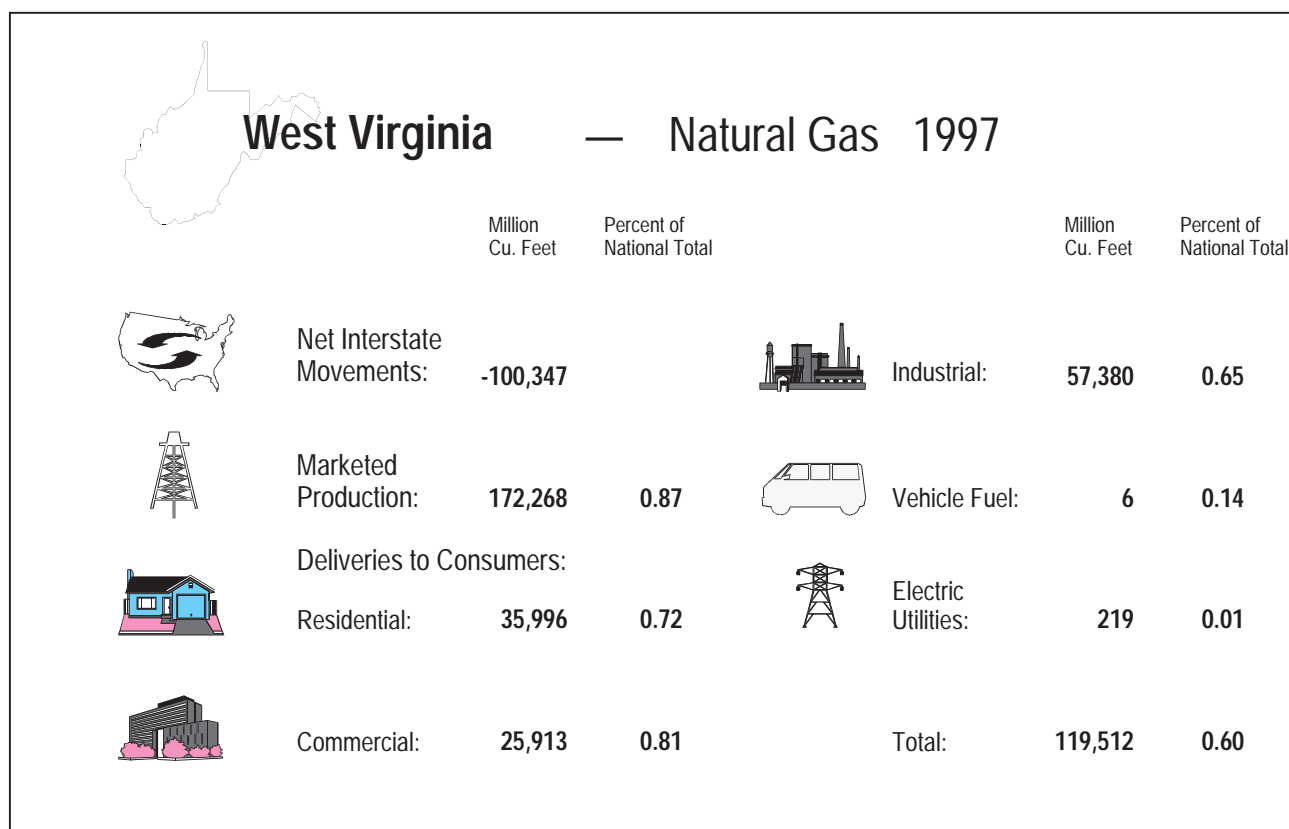


Table 95. Summary Statistics for Natural Gas — West Virginia, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	2,439	2,565	2,499	2,703	2,846
Number of Gas and Gas Condensate Wells					
Producing at End of Year	33,716	39,830	36,144	35,148	31,000
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	171,024	183,773	186,231	178,984	172,268
From Oil Wells.....	0	0	0	0	0
Total.....	171,024	183,773	186,231	178,984	172,268
Repressuring	NA	NA	NA	NA	NA
Nonhydrocarbon Gases Removed.....	NA	NA	NA	NA	NA
Wet After Lease Separation	171,024	183,773	186,231	178,984	172,268
Vented and Flared.....	NA	NA	NA	NA	NA
Marketed Production	171,024	183,773	186,231	178,984	172,268
Extraction Loss.....	10,830	10,901	7,396	7,093	7,179
Total Dry Production.....	160,194	172,872	178,835	171,891	165,089
Supply (million cubic feet)					
Dry Production.....	160,194	172,872	178,835	171,891	165,089
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	1,517,304	1,620,921	1,724,557	1,776,833	1,790,175
Withdrawals from Storage					
Underground Storage.....	151,836	156,284	187,088	164,768	181,015
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	122,550	92,551	-18,543	141,363	77,582
Total Supply.....	1,951,884	2,042,629	2,071,936	2,254,856	2,213,861

See footnotes at end of table.

Table 95. Summary Statistics for Natural Gas — West Virginia, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	135,164	145,428	148,364	155,017	159,040
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	1,656,271	1,725,985	1,777,613	1,899,227	1,890,522
Additions to Storage					
Underground Storage	160,450	171,216	145,958	200,612	164,299
LNG Storage	0	0	0	0	0
Total Disposition	1,951,884	2,042,629	2,071,936	2,254,856	2,213,861
Consumption (million cubic feet)					
Lease Fuel	3,749	4,815	4,846	4,667	4,500
Pipeline Fuel	21,216	30,144	26,411	32,467	32,318
Plant Fuel	3,316	3,272	3,199	2,262	2,710
Delivered to Consumers					
Residential	35,208	35,201	35,379	37,390	35,996
Commercial	24,381	24,979	25,872	28,025	25,913
Industrial	47,162	46,774	52,239	49,997	57,380
Vehicle Fuel	*	*	7	5	6
Electric Utilities	133	243	410	205	219
Total Delivered to Consumers	106,883	107,197	113,908	115,622	119,512
Total Consumption	135,164	145,428	148,364	155,017	159,040
Delivered for the Account of Others (million cubic feet)					
Residential	14	15	28	23	9
Commercial	11,134	11,194	12,536	12,263	11,779
Industrial	40,863	40,684	44,726	42,843	50,353
Electric Utilities	279	244	208	157	184
Firm Deliveries (million cubic feet)					
Residential	35,208	35,186	35,351	37,367	35,996
Commercial	6,908	6,982	7,454	8,741	7,032
Industrial	20,276	20,521	19,333	18,540	21,849
Electric Utilities	279	244	208	157	184
Vehicle Fuel	*	*	7	5	5
Interruptible Deliveries (million cubic feet)					
Residential	NA	15	28	23	0
Commercial	17,472	17,997	18,418	19,284	18,881
Industrial	26,886	26,253	32,906	31,457	35,530
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	0	0	1
Number of Consumers					
Residential	352,997	352,929	353,629	358,049	362,432
Commercial	33,611	33,756	36,144	33,837	33,970
Industrial	197	191	192	182	173
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	100	100	100	104	99
Commercial	725	740	716	828	763
Industrial	239,399	244,891	272,080	274,709	331,674
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	3.50	2.62	2.22	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	3.57	3.54	1.87	3.19	2.97
City Gate	3.39	3.26	2.85	3.36	3.17
Delivered to Consumers					
Residential	6.45	6.66	7.05	7.02	6.81
Commercial	5.87	5.91	6.09	6.03	6.34
Industrial	2.74	2.93	2.60	2.76	2.91
Vehicle Fuel	2.90	3.82	2.08	2.20	2.69
Electric Utilities	4.35	4.00	3.58	2.99	3.35

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-

tity and Value of Natural Gas Report" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports, DOE/EIA-0216; and the U.S. Minerals Management Service.

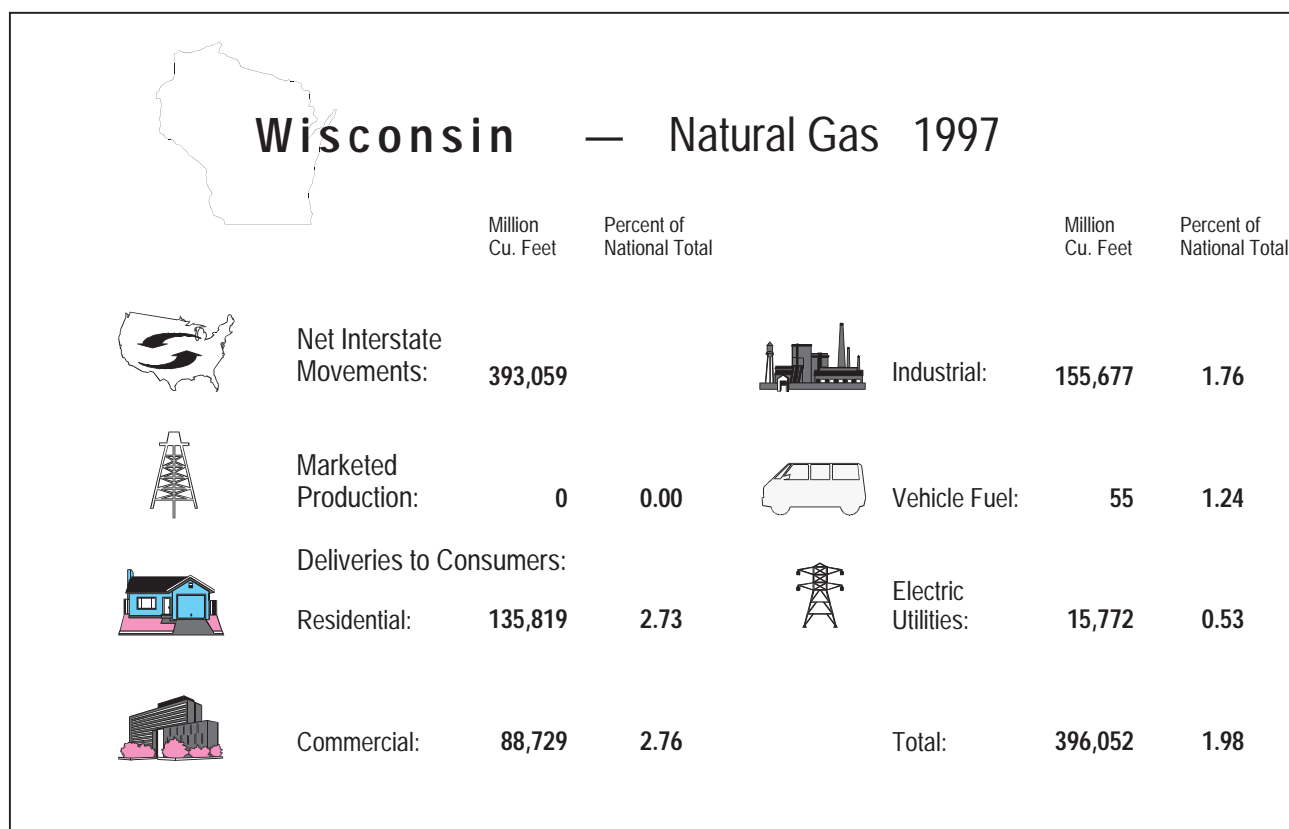


Table 96. Summary Statistics for Natural Gas — Wisconsin, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	0	0	0	0	0
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	1,101,129	1,179,011	1,195,087	1,194,236	1,185,145
Withdrawals from Storage					
Underground Storage.....	0	0	0	0	0
LNG Storage	110	316	120	329	92
Supplemental Gas Supplies.....	3	5	2	21	5
Balancing Item.....	-64,879	-124,878	-2,924	4,981	7,584
Total Supply	1,036,363	1,054,454	1,192,286	1,199,567	1,192,826

See footnotes at end of table.

Table 97. Summary Statistics for Natural Gas — Wisconsin, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	348,014	355,602	380,489	402,777	400,596
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	688,237	698,586	811,591	796,522	792,086
Additions to Storage					
Underground Storage	0	0	0	0	0
LNG Storage	112	266	206	269	143
Total Disposition	1,036,363	1,054,454	1,192,286	1,199,567	1,192,826
Consumption (million cubic feet)					
Lease Fuel	0	0	0	0	0
Pipeline Fuel	3,630	9,854	4,198	4,196	4,544
Plant Fuel	0	0	0	0	0
Delivered to Consumers					
Residential	130,134	128,175	136,012	147,893	135,819
Commercial	77,079	78,609	84,888	93,816	88,729
Industrial	134,073	135,106	146,070	149,517	155,677
Vehicle Fuel	29	36	32	53	55
Electric Utilities	3,070	3,821	9,289	7,303	15,772
Total Delivered to Consumers	344,385	345,748	376,291	398,581	396,052
Total Consumption	348,014	355,602	380,489	402,777	400,596
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	25	108
Commercial	4,312	5,133	6,760	7,848	15,907
Industrial	72,890	69,191	78,008	95,077	113,529
Electric Utilities	648	457	2,188	2,404	7,576
Firm Deliveries (million cubic feet)					
Residential	130,134	128,175	136,012	147,893	135,819
Commercial	69,316	70,222	75,867	85,363	84,179
Industrial	47,369	28,563	25,760	27,098	50,470
Electric Utilities	1,359	3,416	2,561	1,957	11,232
Vehicle Fuel	6	10	7	30	35
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	7,763	8,386	9,021	8,453	4,549
Industrial	86,705	106,544	120,310	122,419	105,207
Electric Utilities	2,220	1,885	7,396	5,299	4,909
Vehicle Fuel	23	26	25	23	20
Number of Consumers					
Residential	1,220,500	1,253,333	1,291,424	1,324,570	1,361,348
Commercial	115,961	119,788	125,539	129,146	131,238
Industrial	7,979	7,342	6,454	5,861	8,346
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	107	102	105	112	100
Commercial	665	656	676	726	676
Industrial	16,803	18,402	22,632	25,511	18,653
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	—	—	—	—	—
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	0.96	1.36	0.36	1.20	1.16
City Gate	3.70	3.42	2.83	3.43	3.67
Delivered to Consumers					
Residential	6.34	6.28	5.82	6.04	6.43
Commercial	5.16	4.91	4.50	4.83	5.35
Industrial	3.52	3.36	2.96	3.48	4.13
Vehicle Fuel	3.80	3.41	2.96	2.40	2.38
Electric Utilities	2.66	2.66	2.23	3.04	3.17

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" (1993 through 1995); Form EIA-895, "Monthly

Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Reports*, DOE/EIA-0216; and the U.S. Minerals Management Service.




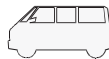



Wyoming		— Natural Gas 1997			
		Million Cu. Feet	Percent of National Total	Million Cu. Feet	Percent of National Total
	Net Interstate Movements:	-595,033		 Industrial:	46,936 0.53
	Marketed Production:	738,368	3.72	 Vehicle Fuel:	13 0.29
	Deliveries to Consumers: Residential:	12,999	0.26	 Electric Utilities:	95 0.00
	Commercial:	10,754	0.33	Total:	70,797 0.35

Table 97. Summary Statistics for Natural Gas — Wyoming, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic feet)					
Estimated Proved Reserves (dry) as of December 31	10,933	10,879	12,166	12,320	13,562
Number of Gas and Gas Condensate Wells					
Producing at End of Year	3,615	3,942	4,196	4,510	5,160
Production (million cubic feet)					
Gross Withdrawals					
From Gas Wells.....	880,596	949,343	988,671	981,115	1,043,797
From Oil Wells.....	142,006	121,519	111,442	109,434	109,318
Total.....	1,022,602	1,070,862	1,100,113	1,090,549	1,153,115
Repressuring	110,044	110,064	131,893	134,867	128,186
Nonhydrocarbon Gases Removed.....	151,239	138,056	145,724	144,194	146,414
Wet After Lease Separation	761,319	822,741	822,496	811,488	878,515
Vented and Flared.....	126,362	126,722	148,721	145,452	140,147
Marketed Production	634,957	696,018	673,775	666,036	738,368
Extraction Loss.....	29,118	33,486	36,058	48,254	49,333
Total Dry Production.....	605,839	662,532	637,717	617,782	689,035
Supply (million cubic feet)					
Dry Production.....	605,839	662,532	637,717	617,782	689,035
Receipts at State Borders					
Imports	0	0	0	0	0
Intransit Receipts	0	0	0	0	0
Interstate Receipts	182,933	280,941	384,208	294,140	516,922
Withdrawals from Storage					
Underground Storage.....	14,826	8,012	11,000	15,478	14,989
LNG Storage	0	0	0	0	0
Supplemental Gas Supplies.....	0	0	0	0	0
Balancing Item.....	147,925	121,842	99,322	253,985	6,045
Total Supply.....	951,523	1,073,328	1,132,247	1,181,385	1,226,990

See footnotes at end of table.

Table 97. Summary Statistics for Natural Gas — Wyoming, 1993-1997 (Continued)

	1993	1994	1995	1996	1997
Disposition (million cubic feet)					
Consumption	104,649	106,316	97,706	101,413	100,955
Deliveries at State Borders					
Exports	0	0	0	0	0
Intransit Deliveries	0	0	0	0	0
Interstate Deliveries	833,269	956,416	1,025,093	1,069,550	1,111,955
Additions to Storage					
Underground Storage	13,605	10,596	9,448	10,422	14,080
LNG Storage	0	0	0	0	0
Total Disposition	951,523	1,073,328	1,132,247	1,181,385	1,226,990
Consumption (million cubic feet)					
Lease Fuel	^a 7,592	^a 4,676	4,570	4,252	4,099
Pipeline Fuel	6,764	6,193	7,254	8,144	10,461
Plant Fuel	13,051	13,939	14,896	15,409	15,597
Delivered to Consumers					
Residential	12,661	11,564	12,152	13,534	12,999
Commercial	10,268	9,231	9,833	9,721	10,754
Industrial	54,214	60,566	48,856	50,253	46,936
Vehicle Fuel	12	18	16	14	13
Electric Utilities	87	129	128	87	95
Total Delivered to Consumers	77,242	81,507	70,986	73,609	70,797
Total Consumption	104,649	106,316	97,706	101,413	100,955
Delivered for the Account of Others (million cubic feet)					
Residential	0	0	0	846	935
Commercial	207	358	632	1,370	1,705
Industrial	52,935	59,219	47,467	48,798	45,763
Electric Utilities	0	0	0	0	0
Firm Deliveries (million cubic feet)					
Residential	12,661	11,564	12,152	13,534	12,999
Commercial	5,672	5,025	9,044	8,943	10,033
Industrial	10,934	10,670	13,329	18,063	16,460
Electric Utilities	88	79	104	61	25
Vehicle Fuel	12	18	15	14	12
Interruptible Deliveries (million cubic feet)					
Residential	NA	0	0	0	0
Commercial	4,595	4,205	790	778	721
Industrial	43,281	49,896	35,527	32,190	30,476
Electric Utilities	0	0	0	0	0
Vehicle Fuel	0	0	1	0	1
Number of Consumers					
Residential	116,027	117,385	119,544	131,910	125,740
Commercial	15,315	15,348	15,580	17,036	15,907
Industrial	194	135	126	170	194
Average Annual Consumption per Consumer (thousand cubic feet)					
Residential	109	99	102	103	103
Commercial	670	601	631	571	676
Industrial	279,455	448,635	387,748	295,606	241,939
Average Prices for Natural Gas (dollars per thousand cubic feet)					
Wellhead (Marketed Production)	1.99	2.05	1.78	2.57	2.42
Imports	—	—	—	—	—
Exports	—	—	—	—	—
Pipeline Fuel	1.92	1.52	1.31	1.54	1.84
City Gate	2.80	2.91	2.72	2.36	3.11
Delivered to Consumers					
Residential	4.77	5.10	4.83	4.26	4.58
Commercial	4.23	4.45	4.23	3.67	3.93
Industrial	3.62	3.51	3.18	3.14	3.49
Vehicle Fuel	5.66	4.62	5.34	5.24	5.56
Electric Utilities	3.44	5.80	8.32	12.59	NA

^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



A bus powered by natural gas at the 1996 Olympic Games in Atlanta, Georgia.

Table 98. Quantity and Average Price of Natural Gas Production in the United States, 1930-1997
(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, 1930-1997
(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	24,051,665	3,510,330	^a 518,425	272,117	19,750,793	958,178	18,792,615	2.17
1997	24,212,677	3,491,542	592,134	263,819	19,865,182	963,759	18,901,423	2.32

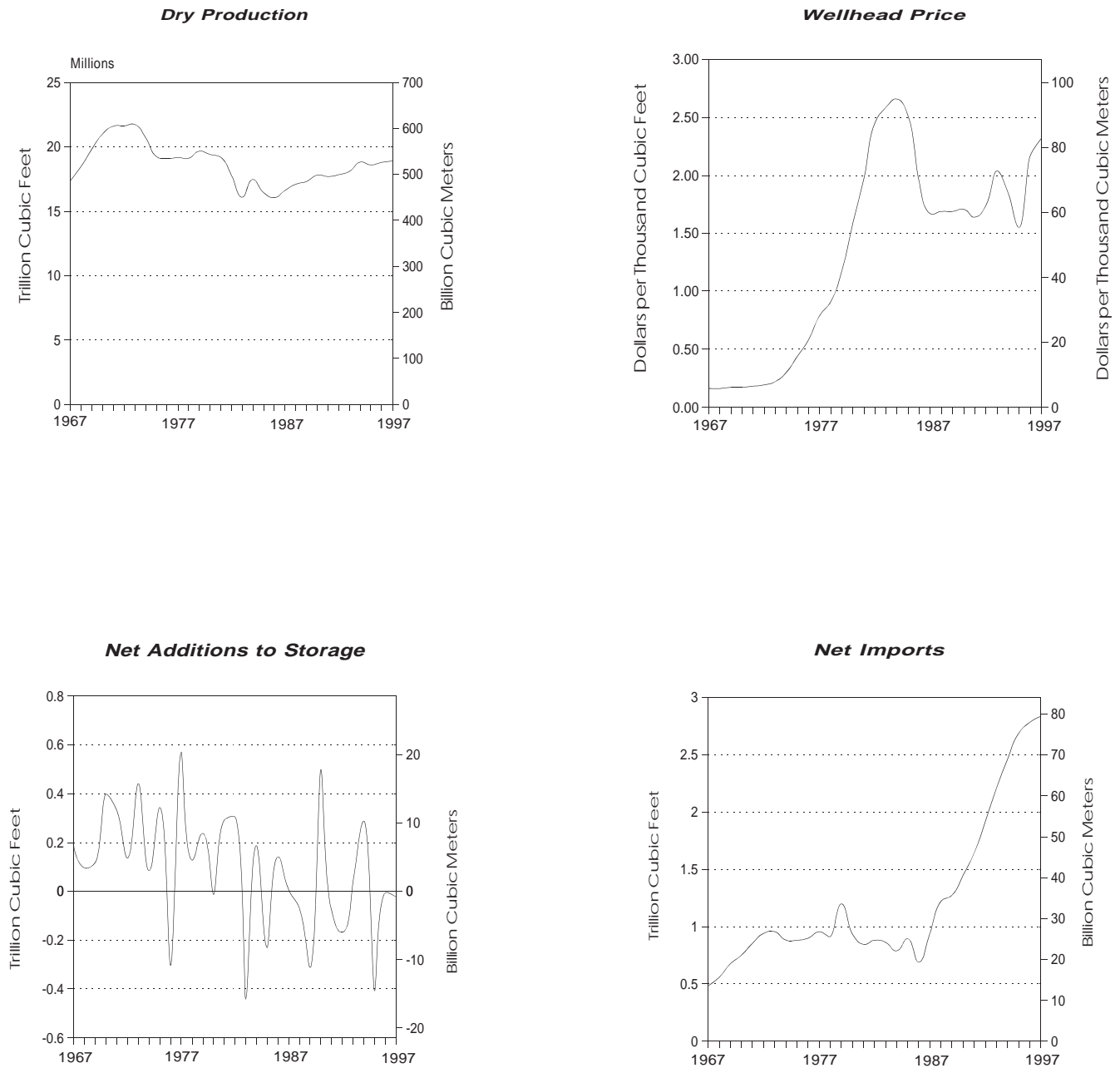
^a Nonhydrocarbon gases removed increased significantly in 1996 due to production increases in the Bravo Dome.
NA = Not available.

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 and 1997: 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, 1967-1997



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 and 1997: 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, 1930-1997
(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.

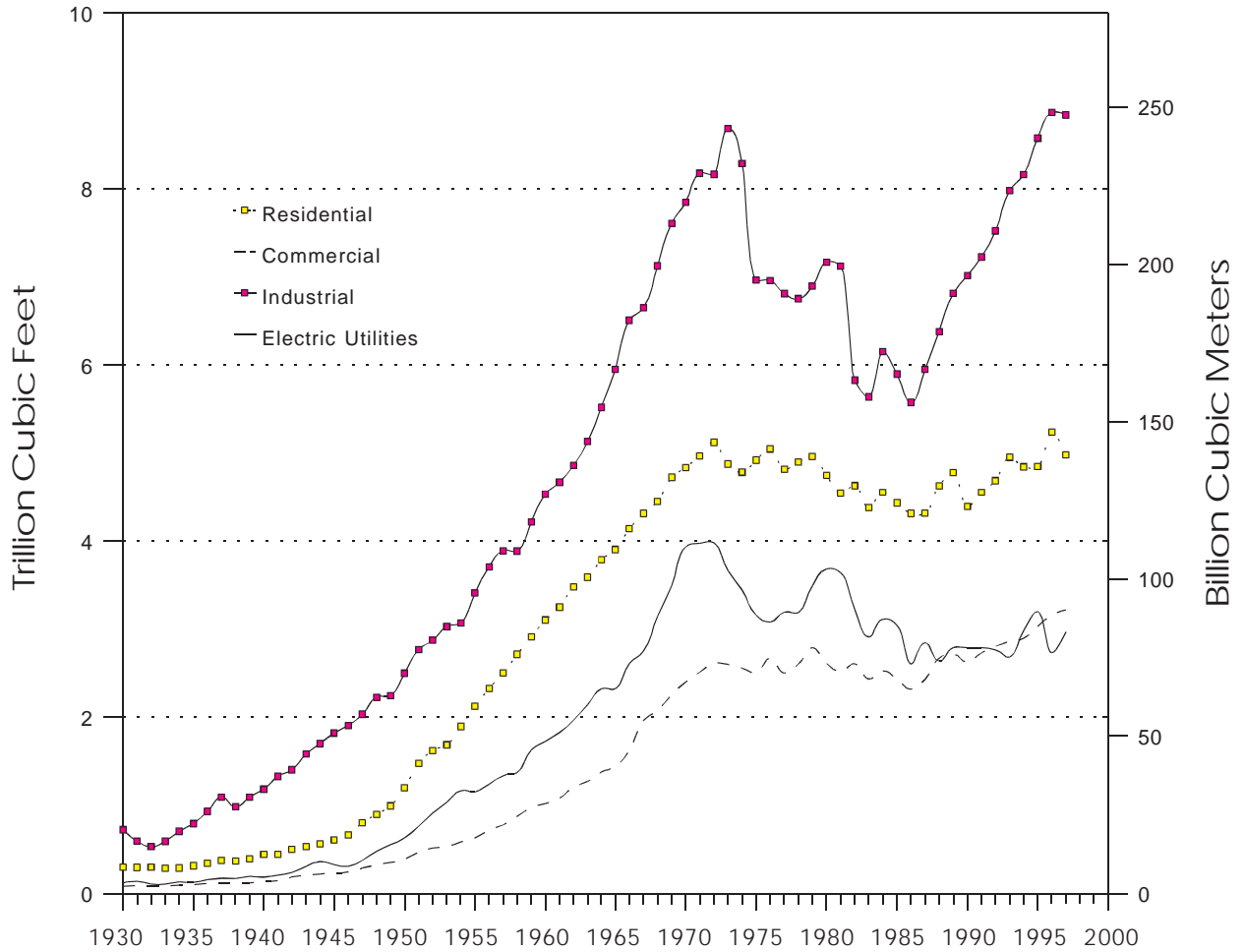
Table 99. Supply and Disposition of Natural Gas in the United States, 1930-1997 (Continued)
(Million Cubic Feet)

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	18,902,070	2,980,614	2,937,413	278,937	25,099,034	2,978,649	153,393	21,966,991	25,099,033
1997	19,004,576	2,893,762	2,994,173	76,044	24,968,555	2,870,159	157,006	21,972,770	24,999,935

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 and 1997: 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, 1930-1997



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*. 1980-1997: 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, 1930-1997
(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, 1930-1997 (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	1,250,037	711,446	5,241,414	3,158,244	8,870,422	2,932	2,732,496	20,005,508	21,966,991
1997	1,202,492	751,595	4,983,772	3,218,606	8,842,896	4,424	2,968,984	20,018,683	21,972,770

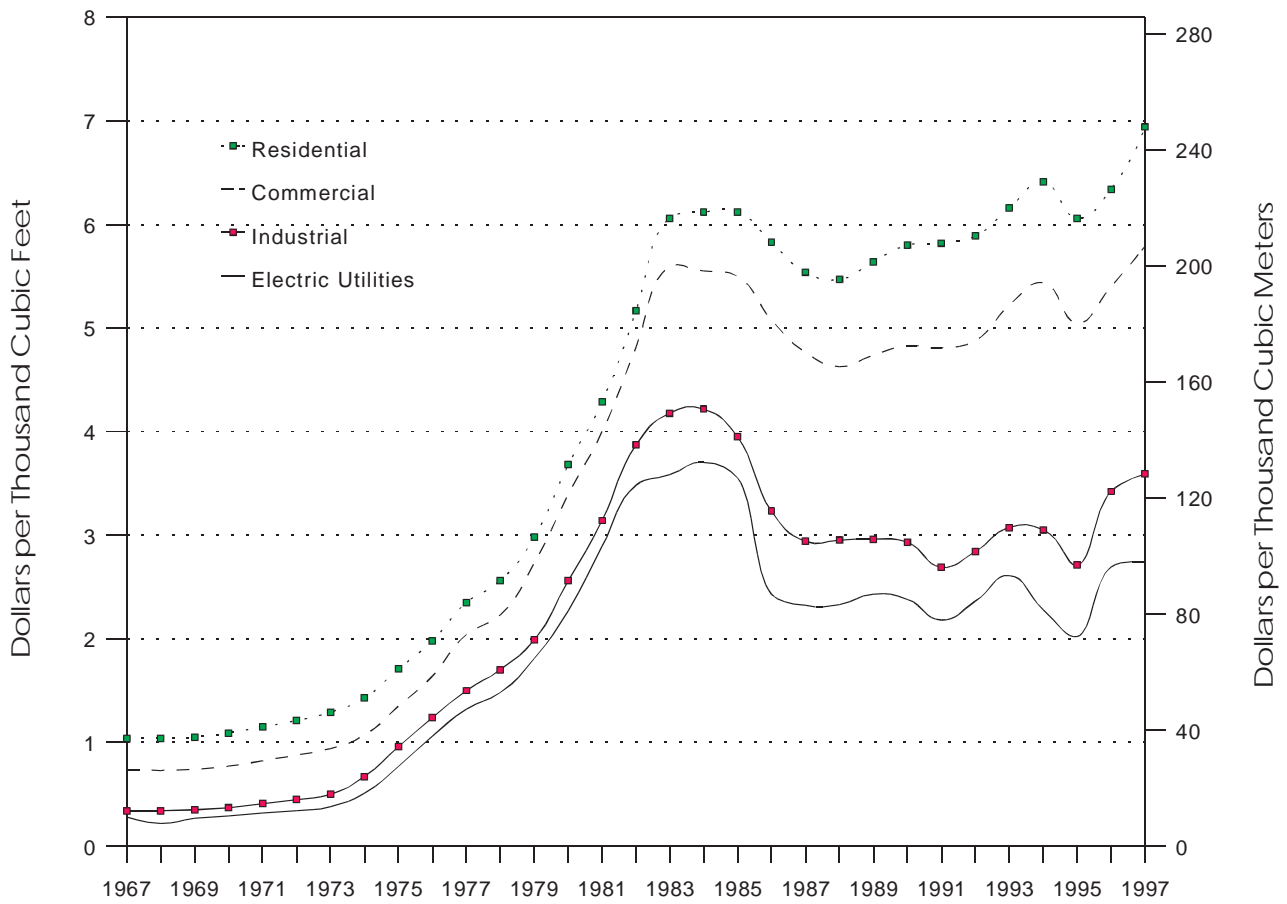
NA = Not available.

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 and 1997: 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, 1967-1997



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*. 1980-1997: 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, 1967-1997
(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	5.79	3.59	4.44	2.74

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*. 1980-1997: EIA, Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Appendix A

Summary of Data Collection Operations and Report Methodology



DOE personnel fueling a natural gas automobile.

Appendix A

Summary of Data Collection Operations and Report Methodology

The 1997 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 February 1998, forms for report year 1997 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 1,924 questionnaire packages. To this original mailing, 10 names were added and 42 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 1,892 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,864 responses were entered into the data base. There were 28 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 1997 were due April 1, 1998.

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 1997, the 115 companies filing the Form EIA-191 reported total injections of 2,796 billion cubic feet and total withdrawals of 2,823 billion cubic feet. This compares to 2,800 billion cubic feet of injections and 2,824 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 1996, forms for report year 1995 were mailed to the appropriate agencies in 33 States. Completed forms were returned to the Natural Gas Division for review, processing, and compilation.

In 1996, the Natural Gas Division redesigned the Form EIA-895, formerly known as the Form EIA-627, "Monthly Quantity of Natural Gas Report." The Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," has both a monthly and annual schedule 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 previously reported on monthly data.

Response Statistics

Of the 33 natural gas producing states, 32 participated in the voluntary EIA-895 survey in time for inclusion in this publication. Data for the nonresponding state (West Virginia) were imputed. As in 1996, data on the quantity of nonhydrocarbon gases removed were reported by 21 of the 33 producing states. These 21 States accounted for 63 percent of the total gross withdrawals in both 1996 and 1997. 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.

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 (113,752), Colorado (333,249), and New Mexico (601,931).

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, 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.

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	4.0 Resubmittal Date
			<input type="checkbox"/> EIA <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	_____																								
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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

	Number of consumers	Volume (Mcf at 14.73 psia)	e or f	Cost or Revenue (Including taxes)	e or f
Delivered directly to consumers					
5.4.5 Electric Utility Sales					
5.4.5.1 Firm					
5.4.5.2 Interruptible					
5.4.6 Natural Gas Used as Vehicle Fuel					
5.4.6.1 Firm					
5.4.6.2 Interruptible					
6.0 Average heat content of gas delivered directly to consumers	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					
7.4.1.1 Firm					
7.4.1.2 Interruptible					
7.4.2 Commercial Consumers					
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					
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					
7.4.4.1 Firm					
7.4.4.2 Interruptible					
7.4.5 Electric Utility Sales					
7.4.5.1 Firm					
7.4.5.2 Interruptible					
7.4.6 Natural Gas Used as Vehicle Fuel					
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)					
(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 <input type="checkbox"/>	4.0 Resubmittal <input type="checkbox"/>	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 o r f	Cost or Revenue (Including taxes)	e o r 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)			
<p>a. <input type="checkbox"/> Name and address on mailing label are correct.</p> <p>b. <input type="checkbox"/> Change name, attention line, and/or mail address as indicated below.</p> <p>c. <input type="checkbox"/> Company was sold to, or merged with, company entered below.</p> <p>d. <input type="checkbox"/> Company went out of business. Customer accounts taken over by company entered below.</p> <p>e. <input type="checkbox"/> Other changes, corrections, or comments: _____</p>			
5.1 Change company name and/or address to:			
<p>a. Company Name: _____</p> <p>b. Operations in (State): _____</p> <p>c. Street or Post Office Box: _____</p> <p>d. City, State, Zip Code: _____</p> <p>e. Attention: _____</p>			

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				
5.4.4.1	Firm				
5.4.4.2	Interruptible				
5.4.5	Electric Utility Sales				
5.4.5.1	Firm				
5.4.5.2	Interruptible				
5.4.6	Natural Gas Used as Vehicle Fuel				
5.4.6.1	Firm				
5.4.6.2	Interruptible				
6.0	Average heat content of gas delivered directly to consumers (Btu per cubic foot)				
10.0	Other disposition (specify)				
(Continue on Part VI, if more space is needed)					
11.0	Total disposition accounted for				
12.0	Unaccounted for gas supply (+) or disposition (-)				

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 14, "Natural Gas Deliveries to Consumers by State," and Table 17, "Natural Gas Delivered to Electric Utilities for the Account of Others by State," where volumes in Table 17 sometimes exceed volumes in Table 14. 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 345 billion cubic feet or 13 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

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.

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

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										

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.

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 1997*, 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 17 States originated outside of the State in which the gas was processed. Gas produced from 10 States (Arizona, Indiana, Maryland, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, 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 1997, on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report." Of the 32 States reporting on the Form EIA-895, 18 States reported quantities of natural gas used as lease fuel.

Most of Nevada's marketed production is consumed as lease fuel, 9 million cubic feet. 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 1997 (Table 13), 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 8 percent of 1997 gross withdrawals (37 percent of withdrawals in Alaska and 6.0 percent of withdrawals in the lower 48 States). Lease use reported by respondents averaged 0.03012 thousand cubic feet per thousand cubic feet of reported production in Alaska and 0.02498 thousand cubic feet 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.

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 6. 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.

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 6. 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.

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, 1997
(Million Cubic Feet)

State	Form EIA-176	Form EIA-759	Difference	MDP ^a
Alabama.....	11,716	9,996	-1,720	17.2
Alaska.....	33,754	33,511	-243	0.7
Arizona.....	32,019	23,384	-8,635	36.9
Arkansas.....	21,077	24,802	3,725	17.7
California.....	364,645	377,967	13,322	3.7
Colorado.....	4,932	5,537	605	12.3
Connecticut.....	12,859	16,762	3,903	30.4
Delaware.....	15,285	16,090	805	5.3
Florida.....	298,371	296,940	-1,431	0.5
Georgia.....	6,800	7,341	541	8.0
Illinois.....	49,576	44,606	-4,970	11.1
Indiana.....	8,294	5,141	-3,154	61.3
Iowa.....	6,594	4,123	-2,471	59.9
Kansas.....	17,075	25,822	8,746	51.2
Kentucky.....	799	2,194	1,395	174.5
Louisiana.....	202,201	277,431	75,229	37.2
Maryland.....	10,910	11,004	94	0.9
Massachusetts.....	53,691	51,486	-2,205	4.3
Michigan.....	26,538	33,288	6,751	25.4
Minnesota.....	4,117	6,097	1,980	48.1
Mississippi.....	59,004	73,081	14,077	23.9
Missouri.....	6,152	7,464	1,312	21.3
Montana.....	380	420	40	10.6
Nebraska.....	1,665	2,656	991	59.5
Nevada.....	51,161	51,776	615	1.2
New Hampshire.....	0	564	564	0
New Jersey.....	22,506	29,528	7,021	31.2
New Mexico.....	15,692	33,376	17,684	112.7
New York.....	201,954	217,493	15,539	7.7
North Carolina.....	4,535	4,511	-24	0.5
North Dakota.....	1	1	0	24.8
Ohio.....	3,850	3,485	-365	10.5
Oklahoma.....	131,877	128,822	-3,054	2.4
Oregon.....	10,446	10,686	240	2.3
Pennsylvania.....	6,034	7,368	1,334	22.1
Rhode Island.....	27,298	27,162	-136	0.5
South Carolina.....	2,709	2,731	21	0.8
South Dakota.....	0	1,730	1,730	—
Tennessee.....	1,906	1,635	-270	16.5
Texas.....	861,916	1,056,582	194,666	22.6
Utah.....	3,469	4,079	609	17.6
Vermont.....	35	36	1	1.6
Virginia.....	10,803	11,571	768	7.1
Washington.....	2,518	2,619	101	4.0
West Virginia.....	184	219	34	18.7
Wisconsin.....	16,141	15,772	-369	2.3
Wyoming.....	25	95	69	275.1
Total.....	2,623,516	2,968,984	345,468	13.2

^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, 1993-1997
(Million Cubic Feet)

State	1993	1994	1995	1996	1997
Alabama.....	3,937	5,295	9,997	-2,954	15,799
Alaska.....	1,206	2,669	-592	1,032	-1,790
Arizona.....	168,056	-1,782	2,606	1,191	2,975
Arkansas.....	4,199	5,650	8,881	7,639	7,569
California.....	181,570	217,809	174,506	277,924	292,339
Colorado.....	18,893	9,023	8,734	6,652	9,110
Connecticut.....	2,682	1,491	3,826	1,055	334
D.C.....	610	528	1,006	784	1,074
Delaware.....	689	479	2,065	438	5,935
Florida.....	2,234	6,063	3,554	-4	4,391
Georgia.....	5,346	2,104	3,712	1,666	-1,260
Hawaii.....	24	53	21	88	6
Idaho.....	-6,264	5,572	8,893	-18,969	-61,021
Illinois.....	10,576	5,205	30,648	10,867	15,349
Indiana.....	11,840	979	539	-3,307	11,848
Iowa.....	5,666	4,963	4,849	4,500	5,370
Kansas.....	12,330	4,819	14,287	7,904	25,939
Kentucky.....	8,238	4,534	9,808	9,410	8,345
Louisiana.....	16,283	58,677	10,248	19,555	40,760
Maine.....	24	-131	292	241	231
Maryland.....	-5,891	3,620	9,879	5,592	12,147
Massachusetts.....	-2,960	12,194	1,091	-5,692	1,359
Michigan.....	91,266	-14,398	4,028	16,836	42,875
Minnesota.....	-183,638	-22,290	-32,466	6,703	4,855
Mississippi.....	9,503	35,595	21,441	13,047	18,066
Missouri.....	6,784	2,253	13,981	1,596	5,779
Montana.....	-1,713	79	-5,345	-6,233	-6,635
Nebraska.....	2,227	22,179	2,403	4,354	1,531
Nevada.....	1,393	-1	533	1,479	2,795
New Hampshire.....	4,008	327	453	466	1,046
New Jersey.....	5,811	-31,893	1,790	-741	3,500
New Mexico.....	6,205	7,827	9,924	6,859	-14,049
New York.....	99,726	84,704	18,129	940	126,641
North Carolina.....	5,208	2,906	7,640	1,300	8,125
North Dakota.....	-260	728	-66	1,259	1,041
Ohio.....	17,285	10,641	31,518	16,344	-67,821
Oklahoma.....	11,498	8,976	13,742	302	-32,983
Oregon.....	1,298	57	5,406	1,560	1,603
Pennsylvania.....	6,164	-1,317	18,220	-4,426	12,631
Rhode Island.....	-960	-1,603	2,362	-646	-2,652
South Carolina.....	1,064	298	2,315	846	2,807
South Dakota.....	445	999	1,107	994	500
Tennessee.....	8,280	2,884	8,123	11,613	8,426
Texas.....	-22,703	-28,206	-6,590	51,729	10,262
Utah.....	5,267	6,461	5,669	15,207	35,469
Vermont.....	103	14	802	1,817	4,690
Virginia.....	6,869	-831	8,328	4,810	7,057
Washington.....	51,049	68,028	66,580	68,447	59,159
West Virginia.....	3,420	7,790	8,561	5,044	64,475
Wisconsin.....	-345	1,218	5,402	-2,756	7,001
Wyoming.....	1,368	1,681	-1,784	3,911	5,349
Total.....	575,911	514,924	521,057	548,274	708,350

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, 1997

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	113,367	1,044	114,411	3,471	4,637
Alaska	2,964,734	0	2,964,734	34,908	41,535
Arkansas	185,244	0	185,244	429	554
California	243,054	0	243,054	9,246	11,600
Colorado	374,570	158	374,728	20,659	28,851
Florida	5,700	2,664	8,364	1,596	1,563
Illinois	500	0	500	60	200
Kansas	582,479	166,944	749,423	29,027	38,224
Kentucky	41,119	2,233	43,352	1,745	2,404
Louisiana	4,620,039	147,926	4,767,965	107,473	150,008
Michigan	86,564	0	86,564	4,484	6,147
Mississippi	4,372	0	4,372	232	300
Montana	8,851	8	8,859	324	409
New Mexico	851,305	0	851,305	74,970	109,046
North Dakota	51,657	0	51,657	3,897	5,076
Ohio	2,553	0	2,553	65	83
Oklahoma	1,012,149	1,859	1,014,008	67,745	96,830
Pennsylvania	8,870	2,791	11,661	587	734
Texas	4,139,591	32,376	4,171,967	275,315	391,174
Utah	237,345	12,585	249,930	13,757	17,872
West Virginia	68,960	132	69,092	5,057	7,179
Wyoming	862,108	944	863,052	35,952	49,333
Total	16,465,131	371,664	16,836,795	690,999	963,759

^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, 1997
(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	35	1,202	188	929	1,117	14,645
Alaska.....	0	1,317	3,629	10,377	19,585	154,848
Arkansas	52	69	33	138	136	1,785
California	9	2,197	3,024	1,470	2,546	38,594
Colorado.....	7,841	5,880	970	2,443	3,526	77,431
Florida	575	534	0	341	146	5,970
Illinois.....	0	23	0	0	38	260
Kansas	3,842	13,617	3,190	3,627	4,750	114,392
Kentucky	292	900	81	284	188	6,771
Louisiana.....	37,015	30,836	10,225	10,468	18,928	405,737
Michigan.....	1,033	1,468	612	527	844	17,426
Mississippi.....	0	56	0	59	117	1,011
Montana	10	132	18	83	81	1,342
New Mexico.....	34,986	20,635	3,683	7,366	8,300	271,830
North Dakota.....	0	1,776	0	1,093	1,029	16,291
Ohio.....	0	29	0	17	19	273
Oklahoma.....	28,181	20,864	3,516	7,003	8,180	248,951
Pennsylvania.....	0	278	58	147	104	2,413
Texas.....	108,214	77,145	37,668	7,724	44,564	1,018,436
Utah.....	4,283	3,890	414	1,619	3,551	53,176
West Virginia.....	1,625	2,059	268	579	526	18,906
Wyoming.....	12,173	11,408	2,690	3,967	5,714	135,528
Total.....	240,166	196,315	70,267	60,261	123,989	2,606,015

^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*, 1997.

Table A5. Natural Gas Processed, Liquids Extracted, and Estimated Extraction Loss by State of Origin (Production) of Natural Gas, 1997

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	113,367	2,664	116,031	3,958	5,093	16,455
Alaska.....	2,964,734	0	2,964,734	34,908	41,535	154,848
Arkansas	185,244	5	185,249	429	554	1,785
California	243,054	0	243,054	9,246	11,600	38,594
Colorado.....	374,570	894	375,464	20,773	28,888	77,863
Florida	5,700	0	5,700	1,085	1,065	4,059
Illinois	500	0	500	60	200	260
Kansas	582,479	2,584	585,063	23,698	29,955	93,363
Kentucky	41,119	25	41,144	2,744	2,283	10,503
Louisiana.....	4,620,039	4,880	4,624,919	104,551	145,812	394,678
Michigan.....	86,564	0	86,564	4,484	6,147	17,426
Mississippi.....	4,372	1,044	5,416	256	342	1,112
Montana	8,851	331	9,182	367	428	1,504
New Mexico.....	851,305	712	852,017	74,983	109,113	271,878
North Dakota.....	51,657	8	51,665	3,898	5,076	16,295
Ohio.....	2,553	0	2,553	65	83	273
Oklahoma.....	1,012,149	52,619	1,064,768	70,596	100,449	259,719
Pennsylvania.....	8,870	107	8,977	486	569	1,996
Tennessee	0	2,233	2,233	23	124	89
Texas.....	4,139,591	288,024	4,427,615	280,689	399,939	1,039,658
Utah.....	237,345	158	237,503	13,490	16,984	52,143
West Virginia.....	68,960	2,791	71,751	4,136	7,341	15,503
Wyoming.....	862,108	12,585	874,693	36,074	50,179	136,014
Total.....	16,465,131	371,664	16,836,795	690,999	963,759	2,606,015

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, 1993-1997
(Billion Cubic Feet)

State	1993	1994	1995	1996	1997
Alabama	5,140	4,830	4,868	5,033	4,968
Alaska	9,907	9,733	9,497	9,294	10,562
Arkansas	1,552	1,607	1,563	1,470	1,475
California	2,682	2,402	2,243	2,082	2,273
Colorado	6,722	6,753	7,256	7,710	6,828
Florida	50	98	92	96	96
Kansas	9,348	9,156	8,571	7,694	6,989
Kentucky	1,003	969	1,044	983	1,364
Louisiana	9,174	9,748	9,274	9,543	9,673
Michigan	1,160	1,323	1,294	2,061	2,195
Mississippi	797	650	663	631	582
Montana	673	717	782	796	762
New Mexico	18,619	17,228	17,491	16,485	15,514
New York	264	242	197	232	224
North Dakota	525	507	463	462	479
Ohio	1,104	1,094	1,054	1,113	985
Oklahoma	13,289	13,487	13,438	13,074	13,439
Pennsylvania	1,717	1,800	1,482	1,696	1,852
Texas	34,718	35,974	36,542	38,270	37,761
Utah	2,040	1,789	1,580	1,633	1,839
Virginia	1,322	1,833	1,836	1,930	2,446
West Virginia	2,439	2,565	2,499	2,703	2,846
Wyoming	10,933	10,879	12,166	12,320	13,562
Federal Offshore	27,143	28,388	29,182	29,096	28,466
Other States ^a	94	65	69	67	43
Total	162,415	163,837	165,146	166,474	167,223

^a Includes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.
NA = Not available.

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.

Appendix B

Metric and Thermal Conversion Tables



Workmen adjust valves on a Panhandle Eastern pipeline.

Appendix B

Metric and Thermal Conversion Tables

Metric Conversions

Table B1 presents Summary Statistics for Natural Gas in the United States for 1993 through 1997 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 1993 through 1997. 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 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 1995, 1996, and 1997 volume data. 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 exports was obtained from the discontinued Form FPC-14. The 1994 conversion factor has been applied to 1995, 1996, and 1997 volume data. 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, 1993-1997

	1993	1994	1995	1996	1997
Reserves (billion cubic meters)					
Estimated Proved Reserves (dry) as of December 31	4,599	4,639	4,676	4,714	4,735
Number of Gas and Gas Condensate Wells					
Producing at End of Year	282,152	291,773	298,541	301,811	311,338
Production (million cubic meters)					
Gross Withdrawals					
From Gas Wells.....	472,640	491,327	489,373	500,664	505,287
From Oil Wells.....	170,878	176,404	182,972	180,403	180,340
Total.....	643,519	667,731	672,345	681,067	685,627
Repressuring.....	-87,868	-91,482	-100,950	-99,401	-98,869
Nonhydrocarbon Gases Removed.....	-11,722	-11,672	-10,998	-14,680	-16,767
Wet After Lease Separation	543,929	564,577	560,396	566,986	569,990
Vented and Flared.....	-6,421	-6,466	-8,035	-7,705	-7,471
Marketed Production	537,508	558,112	552,362	559,280	562,519
Extraction Loss.....	-25,102	-25,160	-25,706	-27,133	-27,291
Total Dry Production.....	512,406	532,952	526,656	532,148	535,229
Supply (million cubic meters)					
Dry Production.....	512,406	532,952	526,656	532,148	535,229
Receipts at U.S. Borders					
Imports	66,548	74,299	80,450	83,178	84,786
Intransit Receipts	9,177	13,812	13,946	15,187	15,518
Withdrawals from Storage					
Underground Storage.....	76,939	71,023	84,217	82,440	79,974
LNG Storage	2,327	2,002	1,428	1,962	1,969
Supplemental Gas Supplies.....	3,370	3,138	3,123	3,099	2,921
Balancing Item.....	-3,103	-11,768	-6,513	7,899	2,153
Total Supply.....	667,664	685,458	703,307	725,913	722,548
Disposition (million cubic meters)					
Consumption	574,240	586,377	611,096	622,036	622,200
Deliveries at U.S. Borders					
Exports	3,970	4,580	4,364	4,344	4,446
Intransit Deliveries.....	9,177	13,380	13,946	15,187	14,629
Additions to Storage					
Underground Storage.....	78,147	79,182	72,658	82,277	79,296
LNG Storage	2,130	1,939	1,243	2,069	1,978
Total Disposition	667,664	685,458	703,307	725,913	722,548
Consumption (million cubic meters)					
Lease Fuel.....	20,476	19,817	22,436	22,654	21,963
Pipeline Fuel.....	17,678	19,407	19,831	20,146	21,283
Plant Fuel	12,709	12,003	12,115	12,744	12,088
Delivered to Consumers					
Residential.....	140,351	137,272	137,346	148,420	141,125
Commercial	81,031	81,978	85,831	89,432	91,141
Industrial.....	226,009	231,265	242,947	251,182	250,403
Vehicle Fuel.....	27	49	76	83	125
Electric Utilities	75,958	84,587	90,515	77,376	84,072
Total Delivered to Consumers	523,376	535,150	556,714	566,493	566,866
Total Consumption.....	574,240	586,377	611,096	622,036	622,200
Delivered for the Account of Others (million cubic meters)					
Residential.....	1,255	1,199	1,282	1,392	1,728
Commercial	13,028	16,963	19,996	20,011	26,592
Industrial.....	159,846	173,099	184,551	202,519	205,970
Electric Utilities	46,962	59,242	59,757	52,995	54,719

See footnotes at end of table.

**Table B1. Summary Statistics for Natural Gas in the United States, Metric Equivalents, 1993-1997
(Continued)**

	1993	1994	1995	1996	1997
Firm Deliveries (million cubic meters)					
Residential.....	NA	137,167	137,234	148,270	141,020
Commercial.....	NA	72,477	75,051	79,271	78,009
Industrial.....	NA	134,055	145,550	152,584	150,254
Electric Utilities.....	NA	44,762	49,808	42,670	40,943
Vehicle Fuel.....	NA	38	69	76	118
Interruptible Deliveries (million cubic meters)					
Residential.....	NA	NA	112	150	105
Commercial.....	NA	9,501	10,779	10,160	13,132
Industrial.....	NA	97,210	97,397	98,599	100,149
Electric Utilities.....	NA	34,276	32,504	28,011	33,347
Vehicle Fuel.....	NA	11	6	7	7
Number of Consumers					
Residential.....	52,535,411	53,392,557	54,322,179	55,263,673	56,186,958
Commercial.....	4,464,906	4,533,905	4,636,500	4,720,227	5,004,384
Industrial.....	209,666	202,940	209,398	206,049	238,905
Average Annual Consumption per Consumer (thousand cubic meters)					
Residential.....	3	3	3	3	3
Commercial.....	18	18	19	19	18
Industrial.....	1,078	1,140	1,160	1,219	1,048
Average Prices for Natural Gas (dollars per thousand cubic meters)					
Wellhead (Marketed Production).....	72.04	65.33	54.74	76.63	81.93
Imports.....	71.69	66.04	52.62	69.57	76.63
Exports.....	91.46	88.29	84.40	104.88	106.65
Pipeline Fuel.....	69.57	60.03	52.62	80.16	80.87
City Gate.....	113.36	108.42	98.17	115.48	129.25
Delivered to Consumers					
Residential.....	217.54	226.37	214.01	223.89	245.08
Commercial.....	184.34	192.11	178.34	190.70	204.47
Industrial.....	108.42	107.71	95.70	120.78	126.78
Vehicle Fuel.....	150.79	145.14	140.55	153.27	156.80
Electric Utilities.....	92.17	80.52	71.34	95.00	96.76

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); *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, 1993-1997

	1993	1994	1995	1996	1997
Conversion Factor (Btu per cubic foot)					
Production					
Marketed	1,106	1,105	1,106	1,109	1,107
Extraction Loss	2,740	2,735	2,730	2,721	2,704
Total Dry Production.....	1,027	1,028	1,027	1,027	1,026
Supply					
Dry Production.....	1,027	1,028	1,027	1,027	1,026
Receipts at U.S. Borders					
Imports	1,020	1,022	1,021	1,022	1,023
Intransit Receipts	1,020	1,022	1,021	1,022	1,023
Withdrawals from Storage					
Underground Storage.....	1,027	1,028	1,027	1,027	1,026
LNG Storage	1,027	1,028	1,027	1,027	1,026
Supplemental Gas Supplies.....	1,027	1,028	1,027	1,027	1,026
Balancing Item.....	997	937	988	1,047	1,023
Total Supply.....	NA	NA	NA	NA	NA
Disposition					
Consumption	1,027	1,028	1,027	1,027	1,026
(Electric Utility)	(1,022)	(1,022)	(1,025)	(1,024)	(1,019)
(Non-Utility)	(1,028)	(1,029)	(1,027)	(1,027)	(1,027)
Deliveries at U.S. Borders					
Exports	1,016	1,011	1,011	1,011	1,011
Intransit Deliveries.....	1,016	1,011	1,011	1,011	1,011
Additions to Storage					
Underground Storage.....	1,027	1,028	1,027	1,027	1,026
LNG Storage	1,027	1,028	1,027	1,027	1,026
Total Disposition	NA	NA	NA	NA	NA
Summary Data (billion Btu)					
Production					
Marketed	21,344,603	21,702,261	21,579,527	21,872,901	22,134,663
Extraction Loss.....	-2,428,668	-2,430,350	-2,478,684	-2,607,484	-2,606,015
Total Dry Production.....	18,915,935	19,271,911	19,100,844	19,265,417	19,528,648
Supply					
Dry Production.....	18,915,935	19,271,911	19,100,844	19,265,417	19,528,648
Receipts at U.S. Borders					
Imports	2,398,159	2,682,436	2,901,166	3,002,256	3,063,489
Intransit Receipts	330,718	498,653	502,902	548,172	560,686
Withdrawals from Storage					
Underground Storage.....	2,790,425	2,561,187	3,054,402	2,989,933	2,897,675
LNG Storage	84,408	72,668	51,808	71,157	71,324
Supplemental Gas Supplies.....	122,212	113,929	113,268	112,410	105,835
Balancing Item.....	-412,557	-277,959	-227,156	326,397	-57,559
Total Supply.....	24,229,301	24,922,825	25,497,233	26,315,742	26,170,098
Disposition					
Consumption	20,846,168	21,336,624	22,163,343	22,559,201	22,544,062
(Electric Utility)	(2,741,453)	(3,052,864)	(3,276,420)	(2,798,076)	(3,025,395)
(Non-Utility)	(18,104,715)	(18,283,760)	(18,886,922)	(19,761,125)	(19,518,667)
Deliveries at U.S. Borders					
Exports	142,405	163,522	155,799	155,115	158,783
Intransit Deliveries.....	329,229	477,710	497,849	542,354	522,469
Additions to Storage					
Underground Storage.....	2,834,251	2,874,574	2,635,161	2,984,043	2,873,102
LNG Storage	77,248	70,395	45,082	75,029	71,681
Total Disposition	24,229,301	24,922,825	25,497,233	26,315,742	26,170,098

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" (1993 through 1995); Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" (1996 and 1997); 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" (1993 and 1994); Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports (1995 through 1997); 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 1997*, DOE/ EIA-0384(96), July 1998. Published annually.
- *Annual Report to Congress 1997*, DOE/ EIA-0173(97), July 1998. Published annually.
- *Oil and Gas Resources of the West Siberian Basin, Russia*, DOE/EIA-0617, December 1997.
- *State Energy Data Report, Consumption Estimates, 1960-1995*, DOE/EIA-0214(95), December 1997.

- *Annual Energy Outlook 1998*, DOE/ EIA-0383(98), December 1996. Published annually.
- *Natural Gas Productive Capacity for the Lower 48 States 1986 Through 1998*, DOE/EIA-0542(98), December 1997.
- *Natural Gas 1996: Issues and Trends*, DOE/EIA-0560(96), December 1996.
- *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.

Appendix D

**Natural Gas
Electronic
Products**

Appendix D

Natural Gas Electronic Products

In addition to printed publications, the Energy Information Administration distributes information concerning the natural gas industry in a variety of electronic formats through several media. Two main types of products are available electronically: *viewable documents* that may be read or printed and *post-processable files* that may be directly used as input to a computer application without additional keying and checking of data.

Viewable documents represent complete or selected sections of publications including text, tables, and graphs. They may be as specific as single tables or as general as an

entire publication. Post-processable documents on the other hand are either macro-level representations of information in published tables or micro-level respondent information representing responses on a specific nonconfidential survey.

The media used to distribute these electronic publications include: (1) The Energy Information Administration's Internet site (<http://www.eia.doe.gov> or <ftp://ftp.eia.doe.gov>); (2) Dial-in access through the Energy Information Administration's EPUB electronic bulletin board or through the Economic Bulletin Board of the Department of Commerce and the COGIS system; (3) The Energy Information Administration's quarterly CD-ROM (Info-Disk); and (4) diskettes.

	Internet	Dial-In	Infodisk	E-Mail	Diskette
ANNUAL PUBLICATIONS					
Natural Gas Annual, 1997 Provides information on supply and disposition of natural gas in the United States. Information is provided nationally, regionally, and by State for 1997.	V P		V P		P
Historical Natural Gas Annual, 1930 through 1997 Contains historical information about supply and disposition of natural gas at the national, regional, and State level, as well as prices at selected points in the flow of gas from wellhead to burnertip.	P		P		P
Natural Gas 1996: Issues and Trends Examines how industry restructuring continues to expand choices, and challenges, for industry, participants, and natural gas customers.	V		V		
Natural Gas 1995: Issues and Trends Addresses current issues affecting the natural gas industry and markets, and analyzes trends in the most recent natural gas data.	V		V		
Natural Gas 1994: Issues and Trends Provides an overview of the natural gas industry in 1993 and early 1994, focusing on the overall ability to deliver gas under the new regulatory mandates of the Federal Energy Regulatory Commission's Order 636.	V		V		
U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1997 Annual Report - Advance Summary 1997 national and State estimates of reserves, reserve changes, and production, plus industry highlights.	V				

V = Viewable

P = Post-Processable

E = Automatic E-Mail Updates

	Internet	Dial-In	Infodisk	E-Mail	Diskette
Natural Gas Productive Capacity for the Lower 48 States 1986-1998 Analysis of monthly natural gas wellhead productive capacity.	V		V		
MONTHLY PUBLICATIONS					
Natural Gas Monthly, from the previous 12 months Entire Publication in viewable format.	V		V		
OTHER PUBLICATIONS					
Natural Gas Weekly Market Update Analysis of current price, supply and storage data along with a two week snapshot of the weather in four distinct metropolitan areas.	V				
Deliverability on the Interstate Natural Pipeline System This publication chronicles and analyzes pipeline growth from the perspective of the natural gas shipper and pipeline transporter.	V				
Natural Gas 1997: Preliminary Highlights This Special Focus, which was featured in the April 1998 issue of the <i>Natural Gas Monthly</i> , presents events that affected the natural gas industry during 1997.	V	P			
Energy Policy Act Transportation Study: Interim Report on Natural Gas Flow and Rates (EPACT) Analysis of natural gas transportation rates and distribution patterns for the period 1988 through 1994.	V		V		
Oil Production Capacity Extension Cost for the Persian Gulf Quantifies the cost of expanding oil production capacity for the Persian Gulf based on geologic plays and fields rather than country-level economics. Development costs and volumes are estimated for the next 15 years.	V		V		
Costs and Indices for Domestic Oil and Gas Fields Equipment and Production Operations 1993-1996 Cost of equipment and operation of oil and gas wells in the lower 48 States.	V		V		
Drilling Sideways- A Review of Horizontal Well Technology and the Domestic Application Salient aspects of current and near-future horizontal drilling and completion technology.	V		V		
International Oil and Gas Exploration and Development Compilation of country-level data and assessment of regional trends relating to upstream aspects of global oil and gas supply.	V		V		
Oil and Gas Field Code Master List Comprehensive listing of U.S. oil and gas field names as of October 1997.	V		V		
Oil and Gas Resources of the Fergana Basin (Uzbekistan, Tadjikistan, and Kyrgyszstan) Reservoir level assessments of oil and gas ultimate recovery in the former Soviet Union area.	V		V		

V = Viewable P = Post-Processable E = Automatic E-Mail Updates

	Internet	Dial-In	InfoDisk	E-Mail	Diskette
The Value of Underground Storage in Today's Natural Gas Industry. Explores the significant and changing role of storage in the industry.	V		V		
U.S. Oil and Gas Development in the Early 1900's Analyses of the growing prominence of smaller energy companies in U.S. oil and gas production	V		V		
ANNUAL DATA					
Natural Gas Supply and Disposition, by State 1997					
Natural Gas Summary, United States by Year 1990-1997	V P	V P			
Natural Gas Annual 1997 data Self-extracting file containing data (in comma-delimited format) that appear in the tables in the 1997 <i>Natural Gas Annual</i> .	P		P		P
Historical Natural Gas Annual 1997 data Self-extracting file containing historical information (in comma-delimited format) found in the tables in Volume 2 of the 1997 <i>Natural Gas Annual</i> . Annual historical data at the national level are presented for 1930-1997. Annual information by State and region is presented for 1967-1997.	P		P		P
1997 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for 1997.	P				P
1996 Data reported on Form EIA-176 A self-extracting compressed file containing data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for 1996.	P				P
Data archive of historical reserves estimates for U.S. Crude Oil, Natural Gas, and Natural Gas Liquids National, State, and State subregion data published in the reserves balance tables of <i>U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves</i> from 1977 forward.	P				P
MONTHLY DATA					
Natural Gas Production, United States by Month 1989-forward	P	P			
Natural Gas Supply and Disposition 1989-forward	P	P		E	
Natural Gas Imports and Exports 1989-forward	P	P			
Natural Gas Underground Storage: United States Total by Month 1989-forward	P	P		E	
Natural Gas Prices: United States Total by Month 1989-forward	P	P		E	
Natural Gas Consumption by Sector: United States Total by Month 1989-forward	P	P		E	
SELF-EXTRACTING COMPRESSED DATA FILE ARCHIVES					
Natural Gas Consumption and Prices, for most recent 2-3 years	P	P			
Natural Gas Consumption and Prices, for 1984-1995	P	P			

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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.