

Consumption

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

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

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

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

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

Cautionary Note: Numbers of Residential Consumers

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

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

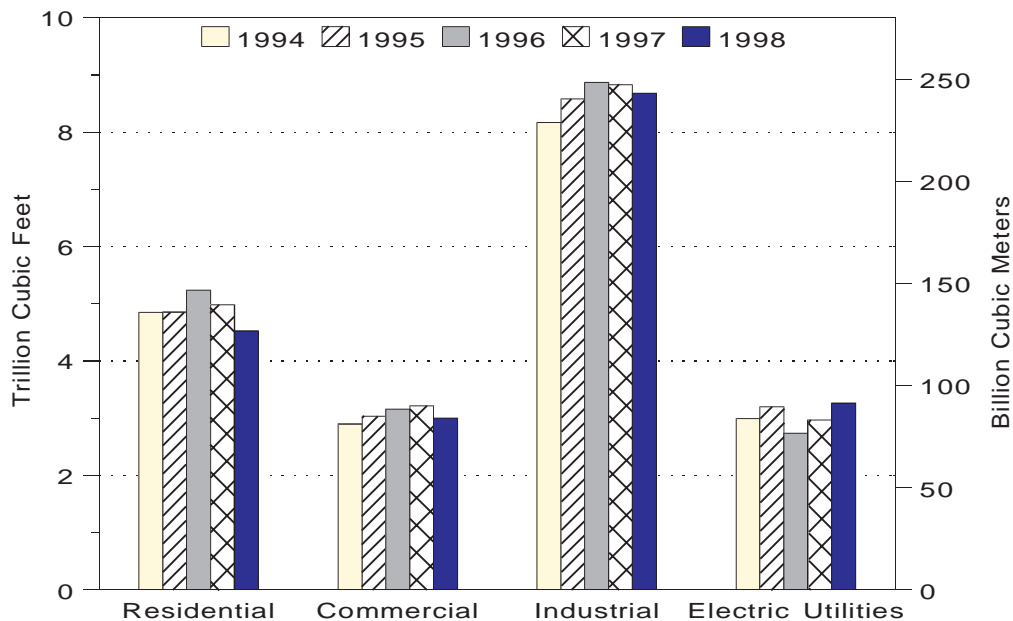
To help readers evaluate the problem of double reporting, Table A7 is provided in Appendix A, "Summary of Data Collection Operations and Report Methodology." It lists residential customers by sales and transportation, known as "deliveries for the account of others," for 1997 and 1998. Appendix A also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

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

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

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

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



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

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

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

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

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

^R = Revised data.

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

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

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

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

See footnotes at end of table.

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

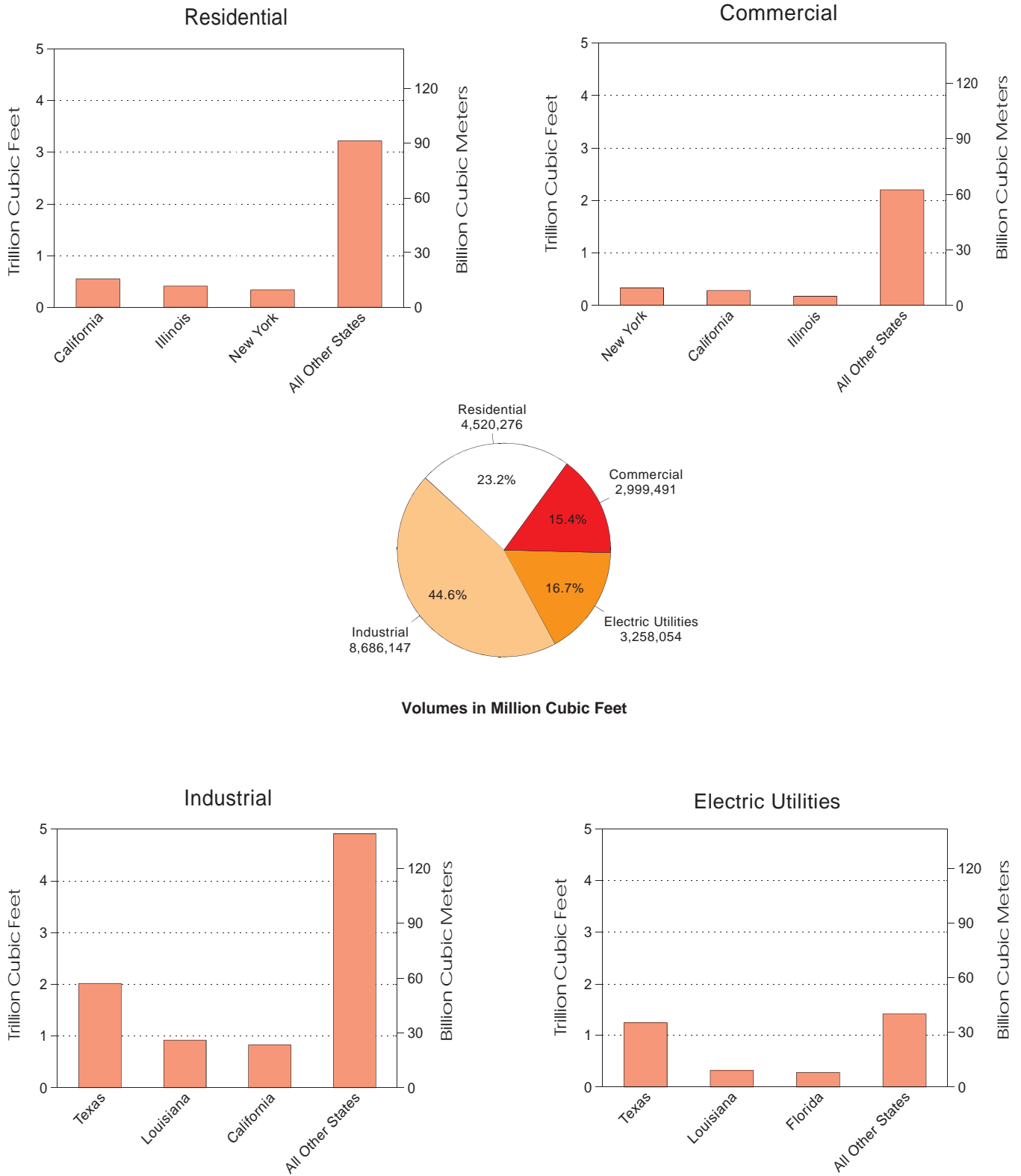
Year and State	Vehicle Fuel	Electric Utilities	Delivered to Consumers	Heating Value (Btu per Cubic Foot)
	Volume (million cubic feet)	Volume (million cubic feet)	Volume (million cubic feet)	
1994 Total	1,741	2,987,146	18,898,635	1,028
1995 Total	2,674	3,196,507	19,660,161	1,027
1996 Total	2,932	2,732,496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

^R = Revised data.

Notes: Totals may not equal sum of components due to independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use.

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

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



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

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

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

State	1994		1995		1996		1997		1998	
	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries	Delivered for the Account of Others	Percent of Total Commercial Deliveries
Alabama.....	5,043	19.8	5,213	19.9	5,470	18.9	11,432	35.3	5,009	19.5
Alaska.....	0	—	5,019	20.1	9,990	36.6	12,241	45.5	13,649	50.4
Arizona.....	2,709	9.3	3,282	11.6	4,309	14.9	4,662	15.5	4,777	15.0
Arkansas.....	1,351	4.9	1,104	4.0	1,550	5.0	1,699	5.8	2,576	9.2
California.....	134,346	51.3	133,483	47.9	106,531	45.3	125,836	49.6	144,864	51.3
Colorado.....	3,403	5.2	3,863	5.8	4,702	6.8	4,998	7.2	3,573	5.7
Connecticut.....	7,455	19.1	6,836	18.0	5,193	13.1	7,709	18.1	13,270	31.3
D.C.....	1,343	9.1	3,954	23.2	4,823	29.5	8,122	45.1	8,045	47.7
Florida.....	861	2.2	988	2.4	1,204	2.9	932	2.5	1,281	3.4
Georgia.....	4,304	8.0	3,663	6.5	3,646	5.9	6,211	10.9	9,078	16.4
Idaho.....	1,427	14.1	1,450	14.0	1,543	13.4	1,593	13.9	1,594	13.6
Illinois.....	93,206	47.2	101,211	49.7	100,495	46.1	92,730	45.7	91,872	52.6
Indiana.....	5,841	7.7	10,149	12.3	3,255	3.7	8,290	10.1	15,216	20.8
Iowa.....	4,597	9.6	5,394	10.7	6,728	12.3	5,934	11.8	6,129	14.2
Kansas.....	11,295	21.6	14,029	26.4	16,200	28.3	^R 12,331	^R 29.7	12,757	30.5
Kentucky.....	3,171	8.6	4,169	10.8	3,773	9.2	3,860	10.0	4,076	12.6
Louisiana.....	505	2.1	464	1.9	451	1.8	1,048	4.1	1,287	5.4
Maryland.....	1,291	2.9	1,469	3.1	3,734	8.1	16,394	32.9	36,375	63.4
Massachusetts.....	20,132	23.8	12,453	15.1	24,311	25.3	39,539	37.4	37,931	42.1
Michigan.....	62,825	34.3	65,266	33.6	66,621	33.1	69,739	36.3	65,843	40.3
Minnesota.....	3,336	4.0	5,696	6.3	3,768	3.8	1,077	1.2	1,954	2.4
Mississippi.....	647	3.4	615	3.1	585	2.6	1,148	5.2	1,101	5.2
Missouri.....	11,072	16.7	10,880	16.7	12,988	17.8	14,059	20.1	13,463	21.7
Montana.....	1,070	8.2	1,131	8.4	1,247	8.4	1,181	8.5	2,957	22.8
Nebraska.....	7,726	19.8	9,181	22.9	12,247	30.0	8,738	25.8	7,941	27.5
Nevada.....	3,276	17.5	4,416	23.6	5,272	25.8	6,305	28.7	6,941	29.8
New Hampshire.....	0	—	52	0.8	218	3.1	567	7.6	399	5.9
New Jersey.....	11,045	8.4	19,074	13.7	40,100	26.7	73,902	43.8	57,904	39.5
New Mexico.....	9,395	37.6	9,520	39.8	9,351	35.3	7,959	^R 29.0	8,981	33.0
New York.....	45,626	20.4	55,135	23.8	58,135	23.0	113,408	35.3	157,319	46.9
North Carolina.....	1,314	3.4	2,831	7.6	1,409	3.5	2,141	5.6	3,418	9.4
North Dakota.....	2,199	20.4	2,224	19.1	1,454	12.0	1,207	11.1	1,631	16.2
Ohio.....	30,807	18.5	41,569	23.7	53,609	28.2	63,352	34.5	70,543	45.0
Oklahoma.....	4,214	11.5	5,894	14.9	7,165	15.5	8,204	18.2	11,752	26.8
Oregon.....	430	1.9	419	1.9	431	1.7	378	1.5	254	1.0
Pennsylvania.....	35,514	25.6	45,481	31.6	45,809	29.6	52,464	36.4	56,528	43.2
Rhode Island.....	0	—	0	—	1,010	8.2	2,405	19.5	4,679	40.8
South Carolina.....	265	1.5	688	3.6	199	1.0	235	1.2	412	2.1
South Dakota.....	1,124	10.9	1,406	13.2	2,008	17.3	1,742	16.7	1,466	15.8
Tennessee.....	2,992	5.9	3,163	6.2	3,316	5.7	4,312	7.8	6,635	12.7
Texas.....	31,742	17.6	65,911	31.4	29,469	16.5	83,494	38.6	32,280	19.0
Utah.....	4,438	16.7	4,892	18.2	5,360	18.1	5,222	16.8	5,427	17.5
Virginia.....	7,039	13.3	9,062	15.9	8,712	14.7	13,705	22.1	16,267	27.9
Washington.....	1,993	4.6	3,514	8.3	6,795	14.1	7,440	15.9	6,026	13.2
West Virginia.....	11,194	44.8	12,536	48.5	12,263	43.8	11,779	45.5	12,625	50.5
Wisconsin.....	5,133	6.5	6,760	8.0	7,848	8.4	15,907	17.9	21,172	26.0
Wyoming.....	358	3.9	632	6.4	1,370	14.1	1,705	15.9	987	9.5
Total.....	599,058	20.7	706,139	23.3	706,667	22.4	^R 939,332	29.2	990,265	33.0

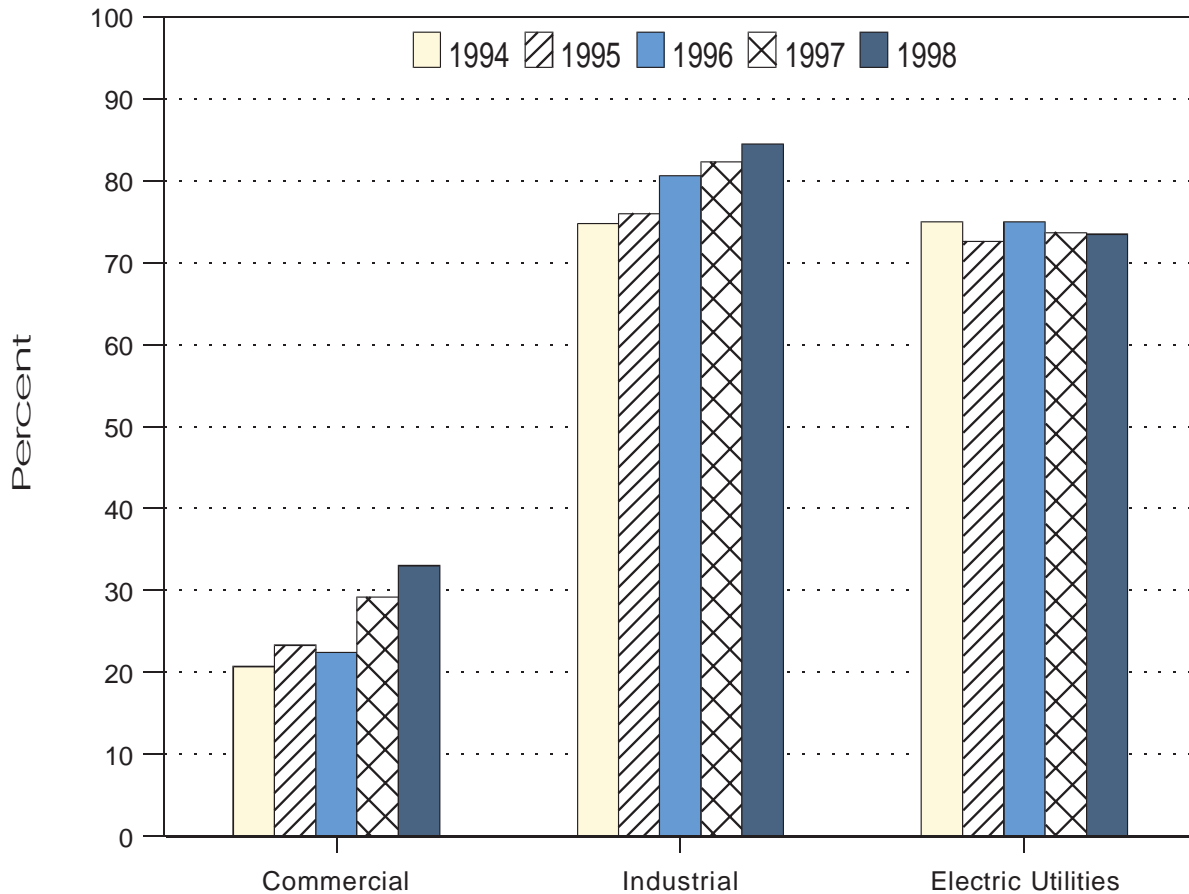
^a These deliveries included quantities covered by long-term contracts and gas involved in short-term or spot market sales.

^R = Revised data.
— = Not applicable.

Notes: Totals may not equal sum of components due to independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use.

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

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



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

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

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

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

R = Revised data.

— = Not applicable.

Notes: Totals may not equal sum of components due to independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use.

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

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

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

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

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

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

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

Notes: Totals may not equal sum of components due to independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use.

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

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

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

Notes: Totals may not equal sum of components due to independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use.

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

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

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

Notes: Totals may not equal sum of components due to independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use.

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

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

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

Notes: Totals may not equal sum of components due to independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. In 1995 and earlier years, agricultural use was classified as commercial use.

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

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

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

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

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