1 of 2

Natural Gas Monthly December 1993

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
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MASTER

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Monthly Energy Review, updated the last week of the month

Short Term Energy Outlook, updated 60 days after the end of the quarter

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Data Operations Branch of the Reserves and Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE).

General questions and comments regarding the *NGM* may be referred to Kendrick E. Brown, Jr. (202) 586-6077, Audrey E. J. Corley (202) 586-4804, or Eva M. Fleming (202) 586-6113. Specific technical questions may be referred to the appropriate persons listed in Appendix E.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	IOGCC	Interstate Oil and Gas Compact Commission
Bbl	Barrels		
BLS	Bureau of Labor Statistics, U.S. Department of Labor	LNG	Liquefied Natural Gas
		Mcf	Thousand Cubic Feet
Bcf	Billion Cubic Feet	MMBtu	Million British Thermal Units
BOM	Bureau of Mines, U.S. Department of the Interior	MMcf	Million Cubic Feet
		MMS	United States Minerals Management Service, U.S. Department of the Interior
Btu	British Thermal Unit		
DOE	U.S. Department of Energy	NGL	Natural Gas Liquids
DOI	U.S. Department of the Interior	NGPA	Natural Gas Policy Act of 1978
EIA	Energy Information Administration, U.S. Department of Energy	OCS	Outer Continental Shelf
		PGA	Purchased Gas Adjustment
FERC	Federal Energy Regulatory Commission	Tcf	Trillion Cubic Feet

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Overview

Highlights

The Energy Information Administration recently (December 1993) released the *Natural Gas Annual (NGA) 1992*. The *NGA* thoroughly depicts the natural gas industry from production through end use. Volume I of this comprehensive report evolves around supply, transmission, and demand data. The tables summarize natural gas supply and disposition from 1988 to 1992 for each Census Division and each State. Annual historical data are shown at the National level. In addition to the summary statistics presented through tables, graphs, and maps, the *NGA* also covers various developments regarding natural gas. The biennial Volume II presents historical data for the Nation from 1930 to 1992 and State-level data from 1967 to 1992.

The *Natural Gas Annual 1992 Supplement: Company Profiles*, to be released soon, features profiles of selected companies, including major interstate natural gas pipeline companies, large distribution companies, and combination companies with both pipeline and distribution operations. Each company profile will be followed by a map showing the pipeline system with service and/or supply areas. Tables will reflect supply and disposition data for each State of operation.

The following highlights were extracted from the pages of the 1992 *NGA*:

- After 3 years of above-normal weather, most of the country returned to normal weather in 1992. This is evident in consumption increases of 3 percent for the residential and commercial sectors.
- Marketed production rose by 1 percent during 1992 to 18.7 trillion cubic feet, after falling 1 percent a year ago. While low prices spurred demand, they caused excess production to diminish.
- Imports augmented demand in 1992 by 10 percent. Growth in gas pipeline capacity helped Canadian imports reach the record level of 2,094 billion cubic feet (a 23 percent increase).
- Exports to Mexico reached 96 billion cubic feet, 50 percent more than in 1991. Valero Pipeline which began operating on August 1, 1992, aided this increase. Exports to Canada rose to 68 billion cubic feet, 4 times higher than a year ago.
- Proved reserves of dry natural gas declined just over 1 percent or by 2,047 billion cubic feet in 1992 amounting to 165,015 billion cubic feet.
- Coalbed methane reserves increased 23 percent to 10,034 billion cubic. Coalbed methane production nearly doubled to 535 billion cubic feet and contributed 3 percent of the total U.S. dry gas production. Meanwhile, tight gas production accounted for 232 trillion cubic feet of the total nonconventional resources.
- Producing gas wells and gas-condensate wells remained close to the all-time 1991 high of 276,987 with 276,014.
- Rotary rigs continued to decline to a record low of 721. The number of active seismic crews (76) continued an 11-year decline as U.S. companies moved abroad.
- Consumption was up 2 percent overall for 1992 with increases in the residential, commercial, and industrial sectors. The largest increase of 4 percent was in the industrial sector. Much of this increase was caused by nonutility generators who generate electricity for their own use and for sale to electric utilities who distribute to consumers.
- Residential consumption was 3 percent higher and there were 1 percent more customers than in 1991. Natural gas also took 60 percent of the new home market during 1992 and accounted for an increased share of energy conversions in existing homes.
- Commercial consumption reached a record 2.8 trillion cubic feet while customers increased to 4.4 million. Weather drives this sector's demand much like the residential sector.
- Electric utilities consumption declined 1 percent to 2.8 trillion cubic feet.
- Vehicle fuel consumption was 511 million cubic feet in 1992, a 39 percent increase since 1991. There were reportedly 25 to 30 thousand natural gas vehicles operating during this period.
- Deliveries for the account of others represented 56 percent of total volumes of gas delivered to consumers in the commercial, electric, and industrial sectors. Of total industrial deliveries, 69 percent was deliveries for the account of others. Electric sharply increased and reached 64 percent for this sector.

- 1992 wellhead prices for natural gas rose 6 percent to \$1.75 per thousand cubic feet, the highest wellhead price since 1986. Prices were impacted by the recovering economy, declining production, and Hurricane Andrew.

Developments on the regulatory and legislative fronts since the publication of the *NGA 1991* include the following:

- The Energy Policy Act of 1992 (EPACT) was signed in late October 1992. Provisions of this energy bill promote the use of alternate fuel vehicles; encourage research and development into natural gas, clean coal, and advanced oil-recovery; promote energy efficiency; etc.

The EPACT also amends Section 3 of the Natural Gas Act regarding natural gas imports from a Nation "with which there is in effect a free trade agreement," so that (1) such imports (including LNG), "shall be treated as a first sale" within the meaning of Section 2(21) of the Natural Gas Policy Act, and (2) the Commission shall not treat any imported natural gas on an unjust, unreasonable, unduly discriminatory basis."

- In December 1992, the National Petroleum Council adopted a six-volume report, "The Potential for Natural Gas in the United States." This study concludes that natural gas is an abundant domestic resource and can be produced and delivered at prices that allow both expansion of the market and continued development of resource; that the natural gas market is increasingly diverse with new challenges and opportunities; that increased reliance on competitive market forces has improved the gas industry's ability to serve the customers' needs in a diverse and expanding marketplace; and that the gas industry faces significant challenges requiring proactive steps by industry and government.
- Federal Energy Regulatory Commission Order 636 signed on April 8, 1992, went into effect on November 1, 1993. This rule stipulates that pipeline companies unbundle transportation service from sales and open-access transportation services. They must further maintain information on an electronic bulletin board.

A Collaborative effort between the Energy Information Administration and the U.S. Geological Survey has produced an Advanced Summary Report on the recoverable oil and gas resources of the Fergana Basin of South-Central Asia. Areas of the Fergana Basin, located in three former Soviet Union republics, were offered for exploration and development in August 1993 (bidding will close on January 17, 1994). A number of U.S. oil and gas operating companies have shown interest in this project. It is estimated that there are 4.8 trillion cubic feet of discovered and undiscovered

recoverable natural gas in the basin. A computer diskette is available which contains spreadsheet files of reservoir parameters and volumetric reserve analyses as a feature of the Advanced Summary Report. The diskette is available from EIA'S Dallas Field Office, (214) 767-2200.

Supply and Disposition

The Energy Information Administration estimates that marketed production (gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations) totaled 1,638 billion cubic feet in October 1993 (Table 1). This is 2 percent higher than in October 1992.

The total gas supply available for disposition in October 1993 was an estimated 1,747 billion cubic feet, 5 percent greater than in October 1992 (Table 2). The October 1993 total includes 97 billion cubic feet withdrawn from storage, 10 billion cubic feet of supplemental fuel supplies, and 183 billion cubic feet of imported gas.

On the disposition side, the consumption of 1,490 billion cubic feet was 12 percent greater than in September 1993 and 9 percent greater than in October 1992 (Table 2). Total disposition included 247 billion cubic feet of gas injected into underground storage reservoirs and exports of 10 billion cubic feet.

Consumption

Data for the four major end-use sectors indicate that the total amount of gas delivered to all consumers in September 1993 was 1,198 billion cubic feet, slightly less than in August 1993 (Table 3). Consumption in the industrial sector increased from 612 billion cubic feet in August 1993 to 675 billion cubic feet in September 1993, an increase of 10 percent.

The electric utility sector consumed 259 billion cubic feet in September 1993, which is 27 percent less than in August 1993 and a 5-percent decrease from September 1992.

The residential sector consumed 142 billion cubic feet in September 1993, 4 percent greater than in September 1992. The commercial sector consumed 123 billion cubic feet in September 1993, 2 percent greater than in September 1992.

Prices

In September 1993, major interstate pipeline companies paid an average of \$2.58 per thousand cubic feet for gas purchased from domestic producers, 10 percent greater than August's \$2.35 price and a 21-percent increase from the \$2.13 paid in September 1992 (Table 4). In September 1993, these pipeline companies paid \$2.17 per thousand cubic feet for imported gas.

Distributors paid an average \$3.52 per thousand cubic feet for gas at the city gate in September 1993. This is 5 percent greater than what these distributors paid in

August 1993 and 9 percent greater than they paid in September 1992. Residential consumers paid \$7.74 per thousand cubic feet in September 1993, 8 percent higher than what they paid in September 1992. Commercial consumers paid \$5.26 per thousand cubic feet in September 1993, identical to August 1993 and 12 percent higher than what they paid in September 1992.

Industrial consumers paid \$3.03 per thousand cubic feet in September 1993, a 6-percent increase from the August 1993 price of \$2.86 and 7 percent greater than in September 1992. Electric utilities paid an average of \$2.60 per thousand cubic feet in August 1993, 6 percent greater than the \$2.46 per thousand cubic feet paid in July 1993.

Table 1. Summary of Natural Gas Production in the United States, 1987-1993
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Total Dry Gas Production ^c
1987 Total	20,140	2,208	376	124	17,433	812	16,621
1988 Total	20,999	2,478	460	143	17,918	816	17,103
1989 Total	21,074	2,475	362	142	18,095	785	17,311
1990 Total	21,523	2,489	289	150	18,594	784	17,810
1991							
January	1,958	235	24	13	1,686	76	1,610
February	1,738	221	22	12	1,483	67	1,417
March	1,889	245	24	13	1,607	72	1,535
April	1,800	234	21	14	1,531	69	1,462
May	1,786	227	23	15	1,522	69	1,453
June	1,713	226	22	14	1,451	65	1,385
July	1,740	236	23	16	1,465	66	1,399
August	1,741	231	23	15	1,471	66	1,405
September	1,716	214	24	14	1,464	66	1,398
October	1,864	245	23	15	1,580	71	1,509
November	1,864	226	23	15	1,600	72	1,528
December	1,942	231	24	15	1,673	75	1,597
Total	21,750	2,772	276	170	18,532	835	17,698
1992							
January	1,952	251	24	14	1,663	77	1,586
February	1,748	247	22	13	1,467	68	1,398
March	1,837	254	22	14	1,547	72	1,475
April	1,801	246	24	13	1,518	71	1,447
May	1,842	248	24	12	1,557	73	1,485
June	1,800	246	23	15	1,515	71	1,444
July	1,842	238	24	16	1,564	73	1,491
August	1,799	237	24	15	1,522	71	1,451
September	1,786	242	21	15	1,508	70	1,437
October	1,899	253	25	13	1,608	75	1,533
November	1,871	246	23	14	1,588	74	1,514
December	1,956	263	24	14	1,656	77	1,579
Total	22,132	2,973	280	168	18,712	872	17,840
1993							
January	1,991	270	22	15	1,684	78	1,606
February	1,775	246	21	14	1,494	70	1,424
March	1,940	266	21	14	1,640	76	1,563
April	1,885	256	22	16	1,592	74	1,518
May	1,901	261	21	15	1,605	75	1,530
June	R 1,835	242	21	15	R 1,557	R 73	R 1,484
July	R 1,866	R 248	22	15	R 1,582	74	R 1,509
August	R 1,867	R 249	R 21	R 15	R 1,582	R 74	R 1,508
September	E 1,807	E 241	E 21	E 14	E 1,531	E 71	E 1,460
October	E 1,933	E 257	E 22	E 15	E 1,638	E 76	E 1,562
1993 YTD	18,801	2,536	213	146	15,905	741	15,164
1992 YTD	18,305	2,464	233	140	15,469	721	14,748
1991 YTD	17,944	2,315	229	140	15,260	687	14,573

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

^b Extraction loss is only collected on an annual basis. Annually it is between 4 and 5 percent of marketed production. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

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

E = Estimated Data.

R = Revised Data.

Notes: Data for 1987 through 1992 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: EIA, *Natural Gas Annual 1992*, Table 7 and EIA estimates, January 1993 through current month. See Appendix A, Explanatory Notes 1, 3, and 6 for discussion of computation, estimating procedures, and revision policy.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1987-1993
(Billion Cubic Feet)

Year and Month	Supply					Total Supply/Disposition*	Disposition		
	Total Dry Gas Production	Withdrawals from Storage ^a	Supplemental Gaseous Fuels ^b	Imports	Balancing Item ^c		Additions to Storage ^a	Exports	Consumption ^e
1987 Total	18,821	1,905	101	993	-444	19,176	1,911	54	17,211
1988 Total	17,103	2,270	101	1,294	-453	20,315	2,211	74	18,030
1989 Total	17,311	2,854	107	1,382	-218	21,435	2,528	107	18,801
1990 Total	17,810	1,988	123	1,532	-149	21,302	2,499	86	18,716
1991									
January	1,610	682	12	163	-44	2,423	115	10	2,299
February	1,417	409	10	138	62	2,035	112	11	1,912
March	1,535	297	11	151	-15	1,979	129	10	1,840
April	1,462	104	9	144	65	1,785	234	9	1,542
May	1,453	58	9	141	13	1,675	331	8	1,337
June	1,385	42	8	133	-37	1,531	326	7	1,199
July	1,399	75	9	135	-28	1,590	299	8	1,283
August	1,405	82	9	127	-48	1,574	290	10	1,274
September	1,398	78	8	134	-72	1,545	304	11	1,231
October	1,509	103	10	157	-88	1,691	258	14	1,419
November	1,528	360	9	169	-209	1,856	150	15	1,691
December	1,597	461	11	181	-98	2,151	125	18	2,009
Total	17,698	2,752	113	1,773	-500	21,836	2,672	129	19,035
1992									
January	1,588	624	12	165	-71	2,315	60	16	2,239
February	1,398	483	11	175	42	2,089	45	14	2,031
March	1,475	397	11	180	-42	2,022	74	23	1,926
April	1,447	142	10	176	89	1,864	161	18	1,685
May	1,485	44	9	174	68	1,780	344	19	1,418
June	1,444	35	8	162	16	1,666	384	18	1,264
July	1,491	42	8	167	-8	1,700	373	18	1,311
August	1,451	48	8	175	-19	1,662	380	18	1,264
September	1,437	40	8	166	-24	1,629	362	18	1,249
October	1,533	70	10	176	-130	1,659	271	19	1,368
November	1,514	282	11	210	-239	1,778	88	19	1,672
December	1,579	587	12	209	-191	2,195	58	19	2,119
Total	17,840	2,772	118	2,138	-508	22,360	2,599	216	19,544
1993									
January	1,606	605	13	198	-58	2,384	50	18	2,297
February	1,424	578	12	183	17	2,214	27	13	2,174
March	1,583	381	12	199	78	2,234	78	17	2,140
April	1,518	111	10	185	79	1,904	219	12	1,673
May	1,530	25	8	180	28	1,751	447	12	1,291
June	^e 1,484	43	10	178	^e -11	^e 1,705	416	11	^e 1,278
July	^e 1,509	48	9	190	^e 0	^e 1,755	398	14	^e 1,343
August	^e 1,508	98	9	184	^e -26	^e 1,774	419	11	^e 1,344
September	^e 1,460	25	^e 9	^e 188	^e 42	^e 1,723	378	^e 11	^e 1,334
October	^e 1,562	97	^e 10	^e 183	-105	1,747	247	^e 10	^e 1,490
1993 YTD	15,164	2,012	103	1,849	42	19,170	2,677	127	16,366
1992 YTD	14,748	1,904	95	1,718	-78	18,386	2,454	179	15,753
1991 YTD	14,573	1,931	93	1,424	-192	17,828	2,397	96	15,336

^a Monthly and annual data for 1987 through 1992 include underground storage and liquefied natural gas storage. Data for January 1993 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

^b Supplemental gaseous fuels data are only collected on an annual basis except for the Dakota Gasification Inc. coal gasification facility where they are gathered each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Inc.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio, which varies between .0028 and .0037, is applied to the monthly sum of these three elements. The Dakota Gasification Inc. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^c Represents quantities lost and imbalances in data due to differences among data sources. See Appendix A, Explanatory Note 10 for full discussion.

^d "Total" data for 1987 through 1992 do not equal equivalent data in Table 1 of the *Natural Gas Annual 1992* due to the exclusion of intransit receipts and deliveries in the NGM.

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

^f = Estimated Data.

^g = Revised Data.

Notes: Data for 1987 through 1992 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: *Total Dry Gas Production: EIA *Natural Gas Annual 1992*, 1987 through 1992; IOGCC, MMS reporting, and EIA estimates, January 1993 through current month. See Appendix A, Explanatory Note 3 for estimation procedures and revision policy. *Withdrawals from and Additions to Storage: EIA *Natural Gas Annual 1992*, 1987 through 1992; Form EIA-191, January 1993 through current month. *Supplemental Gaseous Fuels: EIA *Natural Gas Annual 1992*, 1987 through 1992; and EIA computations, January 1993 through current month. See Appendix A, Explanatory Note 2 for discussion of computation procedures and revision policy. *Imports and Exports: Form FPC-14, 1987 through 1992; and EIA estimates, January 1993 through the current month. See Appendix A, Explanatory Note 4 for discussion of procedures and revision policy. *Consumption and Balancing Item: EIA *Natural Gas Annual 1992*, 1987 through 1992; and EIA computations, January 1993 through current month. See Appendix A, Explanatory Notes 5 and 10 for discussion of computation procedures and revision policy.

Figure 1. Production and Consumption of Natural Gas in the United States, 1990-1994

Source: Natural Gas Annual and the Short Term Energy Outlook.

Table 3. Natural Gas Consumption in the United States, 1987-1993
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption
			Residential	Commercial	Industrial	Electric Utilities	Total	
1987 Total	1,149	519	4,315	2,430	5,953	2,844	15,542	17,211
1988 Total	1,096	614	4,630	2,670	6,383	2,636	16,320	18,030
1989 Total	1,070	629	4,781	2,718	6,816	2,787	17,102	18,801
1990 Total	1,236	660	4,391	2,623	7,018	2,787	16,820	18,716
1991								
January	102	74	844	434	672	173	2,123	2,299
February	90	61	664	359	591	146	1,761	1,912
March	98	58	573	310	607	193	1,683	1,840
April	93	49	373	225	586	216	1,400	1,542
May	93	42	229	154	571	249	1,202	1,337
June	89	37	148	119	546	260	1,073	1,199
July	90	40	126	125	572	330	1,153	1,283
August	90	40	118	113	586	328	1,144	1,274
September	89	38	138	121	582	263	1,103	1,231
October	97	44	225	163	626	263	1,278	1,419
November	97	54	459	256	627	198	1,540	1,691
December	101	64	658	350	665	170	1,843	2,009
Total	1,129	601	4,556	2,729	7,231	2,789	17,305	19,035
1992								
January	104	68	786	410	701	169	2,067	2,239
February	92	62	696	366	644	170	1,876	2,031
March	97	58	574	315	674	208	1,770	1,926
April	95	51	431	250	628	229	1,539	1,685
May	97	42	251	170	620	236	1,278	1,418
June	95	37	162	125	578	266	1,132	1,264
July	98	39	132	122	587	334	1,175	1,311
August	95	37	126	121	582	303	1,131	1,264
September	94	37	137	121	586	274	1,117	1,249
October	101	41	241	166	608	213	1,227	1,368
November	99	50	437	256	641	189	1,523	1,672
December	104	64	717	381	677	176	1,951	2,119
Total	1,171	588	4,690	2,803	7,527	2,766	17,786	19,544
1993								
January	105	73	834	421	699	164	2,119	2,297
February	94	69	770	408	672	162	2,012	2,174
March	103	68	703	374	699	194	1,969	2,140
April	100	53	450	257	639	174	1,521	1,673
May	100	41	234	156	593	167	1,150	1,291
June	97	R 38	164	127	597	255	1,142	R 1,278
July	99	R 40	130	123	618	333	1,204	R 1,343
August	R 99	R 40	120	115	612	357	1,204	R 1,344
September	96	40	142	123	675	259	1,198	1,334
1993 YTD	893	462	3,546	2,105	5,804	2,064	13,520	14,875
1992 YTD	868	432	3,295	2,000	5,601	2,188	13,085	14,385
1991 YTD	834	439	3,213	1,959	5,313	2,158	12,643	13,917

^a Plant fuel data are only collected on an annual basis and monthly lease fuel data are only collected annually. Lease and plant fuel estimates have been between 6 and 7 percent of marketed production annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption (excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^R = Revised Data.

Notes: Data for 1987 through 1992 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: All data except electric utility: EIA *Natural Gas Annual 1992*, 1987 through 1992; and Form EIA-857 and computations January 1993 through the current month. See Appendix A, Explanatory Note 5 for computation procedures and revision policy. Electric utility data: Form EIA-759, "Monthly Power Plant Report" (formerly Form FPC-4).

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1989-1993

Source: *Natural Gas Annual*, Form EIA-857, and Form EIA-759.

Table 4. Selected National Average Natural Gas Prices, 1987-1993
(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	Major Interstate Pipeline Companies		City Gate	Delivered to Consumers			
		Imports ^b	Purchased from Producers ^b		Residential	Commercial	Industrial	Electric Utilities ^c
1987 Annual Average	1.67	2.17	2.10	2.87	5.54	4.77	2.94	2.32
1988 Annual Average	1.69	2.00	2.13	2.92	5.47	4.63	2.95	2.33
1989 Annual Average	1.69	2.04	2.18	3.01	5.64	4.74	2.96	2.43
1990 Annual Average	1.71	2.03	2.19	3.03	5.80	4.83	2.93	R 2.38
1991								
January	1.96	2.20	2.19	3.08	5.54	4.94	3.25	2.70
February	1.62	2.10	1.93	2.94	5.56	4.94	2.97	2.35
March	1.49	1.92	2.02	2.78	5.60	4.89	2.75	2.21
April	1.50	2.03	1.87	2.74	5.90	4.87	2.68	2.10
May	1.48	1.99	1.96	2.76	6.28	4.65	2.40	2.01
June	1.43	2.03	1.75	2.86	6.97	4.80	2.34	1.94
July	1.34	2.11	1.79	2.74	7.23	4.50	2.23	1.88
August	1.43	1.71	1.71	2.78	7.36	4.73	2.29	1.96
September	1.56	1.84	1.76	2.91	6.92	4.57	2.40	2.19
October	1.82	2.00	1.94	2.92	6.20	4.58	2.69	2.35
November	1.89	2.20	2.02	2.92	5.51	4.71	2.84	2.43
December	2.00	2.09	2.11	3.05	5.51	4.84	3.09	2.64
Annual Average	1.64	2.02	1.92	2.90	5.82	4.81	2.89	2.18
1992								
January	1.74	2.20	2.10	2.90	5.53	4.85	3.04	2.49
February	1.26	1.98	1.70	2.70	5.54	5.03	2.78	2.03
March	1.35	1.45	1.90	2.61	5.50	4.77	2.58	1.99
April	1.42	2.01	1.73	2.74	5.62	4.77	2.54	2.07
May	1.51	1.79	1.99	2.90	6.15	4.59	2.44	2.11
June	1.62	2.03	2.16	3.00	6.84	4.72	2.53	2.18
July	1.55	1.89	1.86	3.01	7.27	4.64	2.54	2.13
August	1.84	1.85	2.14	3.18	7.45	4.73	2.71	2.42
September	1.92	2.05	2.13	3.23	7.15	4.69	2.82	2.51
October	2.38	2.13	2.69	3.50	6.52	4.90	3.21	3.04
November	2.13	2.32	2.37	3.33	6.02	5.12	3.26	2.87
December	2.07	1.92	2.40	3.17	5.74	5.11	3.38	2.81
Annual Average	1.74	1.97	2.10	3.01	5.89	4.88	2.84	2.36
1993								
January	1.96	2.02	2.17	3.11	5.71	5.18	3.26	2.70
February	1.72	1.91	1.94	2.94	5.71	5.08	3.12	2.55
March	1.89	1.78	2.20	3.06	5.66	5.06	3.08	2.61
April	2.05	2.15	2.34	3.24	5.99	5.13	3.13	2.75
May	2.30	2.13	2.81	3.58	6.72	5.21	3.24	2.90
June	1.87	1.95	2.03	3.44	7.32	5.31	2.95	2.47
July	1.91	1.78	2.02	3.34	7.83	5.03	2.71	2.46
August	R 2.00	2.02	2.35	3.35	8.10	5.26	2.86	2.60
September	E 2.00	2.17	2.58	3.52	7.74	5.26	3.03	NA
1993 YTD	1.97	1.99	2.27	3.21	6.12	5.14	3.05	2.60
1992 YTD	1.58	1.92	1.97	2.87	5.86	4.80	2.67	2.18
1991 YTD	1.54	1.99	1.89	2.87	5.91	4.84	2.63	2.09

^a See Appendix A, Explanatory Note 8 for discussion of wellhead price.

^b See Appendix A, Explanatory Note 9 for discussion of major interstate pipeline company data.

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

NA = Not Available.

R = Revised Data.

E = Estimated Data.

Notes: Data for 1987 through 1992 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Prices for gas delivered to industrial consumers for 1987 include imputed averages for volumes of gas delivered for the account of others. From 1988 on, prices reflect on-system sales prices only. The change in series in 1988 affects the commercial and industrial sector prices.

Sources: •Average wellhead price: EIA *Natural Gas Annual 1992*, 1987 through 1992; and EIA estimates, January 1993 through current month. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy. •Imports and Interstate Pipeline Company Purchases: Form FERC-11. •Average City Gate, Residential, Commercial and Industrial average prices for 1987 through current month from Form EIA-857. See Appendix A, Explanatory Note 5 for discussion of revision policy. •Earlier prices from EIA *Natural Gas Annual 1992*. Electric Utilities average prices from Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Figure 3. Average Price of Natural Gas Delivered to Consumers in the United States, 1989-1993

Source: *Natural Gas Annual*, Form EIA-857, and Form FERC-423.

Figure 4. Average Price of Natural Gas in the United States, 1989-1993

Source: *Natural Gas Annual*, Form FERC-11, and Form EIA-857.

Table 5. U.S. Natural Gas Imports by Country, 1987-1993
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline		LNG		Total	
	Canada		Algeria		Volume	Average Price
	Volume	Average Price	Volume	Average Price		
1987 Total	992,532	1.95	0	—	992,532	1.95
1988 Total	1,276,322	1.83	17,490	2.71	1,293,812	1.84
1989 Total	1,339,357	1.81	42,163	2.22	1,381,520	1.82
1990 Total	1,448,065	1.91	84,193	2.47	1,532,259	1.94
1991						
January	155,805	2.06	7,643	2.94	163,448	2.11
February	132,962	1.89	5,035	2.49	137,998	1.92
March	146,383	1.83	5,105	2.91	151,487	1.86
April	138,833	1.79	5,122	1.93	143,955	1.79
May	136,202	1.74	5,091	1.66	141,292	1.74
June	130,701	1.72	2,562	1.68	133,264	1.72
July	129,768	1.67	5,091	1.86	134,859	1.68
August	127,139	1.60	0	—	127,139	1.60
September	131,345	1.67	2,589	1.66	133,934	1.67
October	146,489	1.76	10,146	2.41	156,635	1.80
November	163,605	1.89	5,113	2.48	168,718	1.91
December	170,485	1.94	10,099	2.63	180,585	1.98
Total	1,709,716	1.81	63,596	2.36	1,773,313	1.83
1992						
January	157,026	1.95	7,610	2.49	164,636	1.98
February	170,167	1.84	5,076	2.91	175,243	1.86
March	177,978	1.83	2,503	3.32	180,482	1.85
April	173,615	1.82	2,531	2.12	176,146	1.83
May	174,312	1.88	0	—	174,312	1.86
June	159,743	1.77	2,505	2.09	162,249	1.77
July	167,216	1.70	0	—	167,216	1.70
August	172,240	1.81	2,492	3.15	174,733	1.83
September	163,584	1.96	2,533	1.83	166,117	1.96
October	173,904	2.21	2,563	3.19	176,466	2.22
November	202,846	1.94	7,633	2.57	210,479	1.96
December	201,756	2.13	7,670	2.17	209,426	2.13
Total	2,094,387	1.84	43,116	2.54	2,137,504	1.85
1993						
January	192,899	2.06	5,141	2.59	198,039	2.07
February	175,444	1.95	7,654	2.93	183,097	1.99
March	193,830	1.98	5,146	2.24	198,976	1.98
April	177,552	2.04	7,720	2.12	185,272	2.04
May	154,640	2.08	5,236	2.01	159,876	2.08
June	170,870	2.04	7,563	1.94	178,433	2.03
July	182,550	NA	7,642	NA	190,192	NA
August	179,384	NA	5,091	NA	184,475	NA
September	E 177,341	NA	10,252	NA	E 187,593	NA
October	E 177,901	NA	5,075	NA	E 182,977	NA
1993 YTD	1,782,411	NA	66,519	NA	1,848,930	NA
1992 YTD	1,689,785	1.79	27,814	2.64	1,717,599	1.81
1991 YTD	1,375,626	1.77	48,384	2.29	1,424,011	1.79

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

Source: 1987-1992: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1993 through the current month: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Monthly data (for the most current months), Pipeline Fuel: data shown with an E are taken from data from the National Energy Board of Canada plus EIA estimates. LNG: industry reports.

Table 6. U.S. Natural Gas Exports by Country, 1987-1993
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG		Total	
	Canada		Mexico		Japan		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1987 Total	3,297	1.81	2,125	3.18	48,599	3.15	54,020	3.07
1988 Total	19,738	2.02	2,327	3.21	51,573	2.99	73,638	2.74
1989 Total	38,443	2.00	17,004	2.14	51,424	3.01	106,871	2.51
1990 Total	17,359	2.70	15,659	1.88	52,546	3.59	85,565	3.10
1991								
January	1,710	2.47	3,477	2.19	4,375	5.19	9,562	3.61
February	3,343	2.02	2,853	1.70	4,370	4.79	10,566	3.08
March	1,228	2.04	4,404	1.61	4,369	4.13	10,001	2.76
April	2	1.71	3,208	1.56	5,829	3.59	9,039	2.87
May	36	1.73	4,762	1.46	2,947	3.23	7,744	2.14
June	31	1.51	3,759	1.43	2,915	3.18	6,706	2.19
July	195	1.24	3,235	1.28	4,400	3.20	7,830	2.36
August	540	1.21	3,117	1.40	5,869	3.25	9,526	2.53
September	446	1.30	5,921	1.68	4,370	3.31	10,737	2.32
October	2,245	1.57	7,776	1.84	4,371	3.39	14,393	2.27
November	2,385	1.87	8,349	2.00	4,371	3.50	15,105	2.41
December	2,630	1.97	9,586	2.12	5,820	3.61	18,036	2.58
Total	14,791	1.91	60,448	1.76	54,005	3.71	129,244	2.59
1992								
January	2,377	1.87	9,687	1.83	4,368	3.58	16,432	2.30
February	3,654	1.43	5,963	1.24	4,369	3.44	13,986	1.98
March	11,437	1.95	6,707	1.37	4,367	3.27	22,511	2.03
April	5,980	1.35	7,371	1.52	4,403	3.21	17,754	1.88
May	5,919	1.56	7,285	1.69	5,827	3.23	19,030	2.12
June	6,172	1.81	7,262	1.78	4,378	3.31	17,812	2.17
July	5,230	1.67	6,258	1.68	4,379	3.44	15,868	2.16
August	5,074	1.84	8,778	1.97	4,377	3.56	18,229	2.31
September	5,547	1.91	8,181	2.00	4,408	3.61	18,136	2.36
October	6,290	2.19	10,063	2.66	2,920	3.59	19,272	2.65
November	3,487	2.04	10,674	2.26	4,366	3.56	18,527	2.52
December	6,611	2.18	7,743	2.18	4,370	3.52	18,724	2.49
Total	67,777	1.83	95,973	1.90	52,532	3.43	216,282	2.25
1993								
January	5,577	2.20	7,833	2.03	4,367	3.41	17,777	2.42
February	6,453	2.06	2,121	1.77	4,355	3.29	12,929	2.42
March	7,583	2.09	3,199	1.96	5,812	3.22	16,594	2.43
April	4,527	1.99	2,875	2.13	4,373	3.21	11,775	2.48
May	3,941	1.88	3,453	2.44	4,381	3.29	11,775	2.57
June	3,647	1.88	4,050	1.84	2,950	3.22	10,647	2.24
July	E 5,000	NA	3,805	NA	5,162	NA	E 13,967	NA
August	E 4,000	NA	2,582	NA	4,761	NA	E 11,343	NA
September	E 3,500	NA	2,227	NA	5,136	NA	E 10,863	NA
October	E 4,000	NA	E 2,500	NA	3,305	NA	E 9,805	NA
1993 YTD	48,228	NA	34,645	NA	44,603	NA	127,476	NA
1992 YTD	57,680	1.78	77,555	1.83	43,796	3.41	179,031	2.20
1991 YTD	9,776	1.90	42,513	1.83	43,814	3.73	96,104	2.62

NA = Not Available.

R = Revised Data.

E = Estimated Data.

RE = Revised Estimated Data.

Source: 1987-1992: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1993 through the current month: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports*. Monthly data (for the most current months), Pipeline Fuel: data shown with an E are EIA estimates. LNG: industry reports.

Table 7. Marketed Production of Natural Gas by State, 1987-1993
(Million Cubic Feet)

Year and Month	Alabama ^b	Alaska	California	Colorado	Florida	Kansas
1987 Total	117,241	359,837	424,621	164,557	8,281	472,752
1988 Total	129,524	378,638	399,663	191,544	7,484	592,845
1989 Total	128,411	393,729	362,860	216,737	7,534	601,196
1990 Total	135,276	402,907	362,748	242,997	6,483	573,603
1991						
January	13,267	40,203	30,159	20,110	290	63,891
February	11,866	36,265	27,015	23,344	285	54,601
March	13,131	38,847	32,268	23,648	325	57,863
April	13,020	34,664	30,902	24,673	412	51,936
May	13,906	32,434	31,072	22,724	301	50,732
June	13,174	33,065	29,259	23,034	94	46,685
July	14,400	33,840	32,169	23,088	381	44,913
August	15,273	33,448	31,021	23,659	465	42,777
September	11,850	41,609	31,944	22,546	543	43,491
October	15,207	36,384	35,427	23,868	602	50,386
November	15,502	38,363	34,194	24,349	591	57,959
December	20,250	38,700	32,953	30,918	594	63,225
Total	170,847	437,822	378,384	285,961	4,884	628,459
1992						
January	28,638	40,789	32,882	27,414	570	64,920
February	28,093	37,311	30,127	25,451	536	56,375
March	28,699	38,433	32,006	24,545	492	53,499
April	28,690	37,128	31,789	25,138	488	47,445
May	28,920	37,014	32,353	26,318	520	50,271
June	29,312	34,222	29,550	26,270	572	48,589
July	30,718	35,020	30,949	25,501	458	49,051
August	29,338	32,832	30,046	27,256	574	48,567
September	29,402	32,233	29,211	26,061	564	47,818
October	31,435	39,237	30,386	27,474	654	56,304
November	30,470	38,453	28,070	28,461	593	64,316
December	31,386	40,924	28,262	33,152	635	70,853
Total	355,099	443,597	365,632	323,041	6,657	658,007
1993						
January	24,591	41,375	26,956	28,356	637	64,279
February	22,157	35,689	24,024	E 30,043	573	57,258
March	22,784	41,674	E 27,544	E 29,757	603	61,084
April	22,235	39,226	25,320	E 29,907	601	53,431
May	23,312	35,702	25,294	E 29,932	685	54,054
June	E 22,847	E 35,118	27,398	E 29,421	577	R 51,743
July	E 24,264	E 36,023	R 26,579	E 29,521	648	R 51,429
August	E 23,957	E 35,180	E 28,644	E 30,604	632	E 48,877
1993 YTD	186,147	299,987	211,759	237,541	4,956	442,155
1992 YTD	232,407	292,749	249,704	207,893	4,211	418,716
1991 YTD	108,037	282,766	243,866	184,280	2,555	413,399

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas by State, 1987-1993 (Continued)
(Million Cubic Feet)

Year and Month	Louisiana	Michigan	Mississippi	Montana	New Mexico	North Dakota
1987 Total	5,122,509	146,996	139,727	46,456	823,773	62,258
1988 Total	5,180,267	146,145	124,053	51,654	791,819	57,747
1989 Total	5,078,125	155,988	102,845	51,307	854,615	51,174
1990 Total	5,241,989	172,151	94,616	50,429	965,104	52,169
1991						
January	468,583	15,493	9,113	5,235	96,319	4,640
February	408,977	13,850	7,601	4,433	79,943	4,162
March	440,394	17,320	9,021	4,779	89,186	4,588
April	421,649	18,019	9,346	4,786	86,221	4,351
May	415,253	19,521	9,745	4,516	86,029	4,419
June	388,442	15,994	9,499	3,467	81,862	4,481
July	387,063	16,468	9,467	3,501	77,279	4,787
August	392,982	15,697	8,866	4,081	83,204	4,625
September	394,190	16,040	8,183	3,940	83,766	4,054
October	430,728	15,555	8,615	4,393	91,254	4,253
November	430,550	15,344	9,217	4,166	90,101	4,482
December	455,550	16,948	9,359	4,702	93,120	4,638
Total	5,034,361	195,749	108,031	51,999	1,038,284	53,479
1992						
January	447,681	14,061	8,666	5,025	96,194	4,821
February	397,242	12,580	7,632	4,831	86,756	4,469
March	415,797	16,011	7,761	5,256	94,373	4,762
April	406,614	15,126	7,549	4,583	102,157	4,389
May	425,880	13,012	7,802	4,429	108,294	4,486
June	411,275	20,668	7,447	3,645	101,770	4,436
July	422,105	16,208	7,533	3,846	111,611	4,593
August	377,693	17,200	7,553	3,746	114,145	4,609
September	375,997	19,210	7,039	3,782	109,064	4,428
October	409,724	17,614	7,618	4,503	111,646	4,772
November	401,240	14,277	7,694	5,083	114,329	4,490
December	423,050	18,848	7,601	5,138	118,523	4,628
Total	4,914,300	194,815	91,697	53,867	1,268,863	54,883
1993						
January	E 449,393	18,622	7,657	5,205	116,663	4,484
February	E 400,231	9,728	7,249	4,729	108,426	3,923
March	E 425,024	24,098	7,166	5,054	118,479	4,702
April	E 415,982	19,700	7,047	4,304	113,865	4,664
May	E 435,973	14,321	7,025	4,617	119,167	4,856
June	E 415,775	17,810	6,549	3,984	112,820	4,610
July	E 433,884	20,187	6,969	3,660	114,282	4,732
August	E 424,467	16,473	6,388	E 3,760	119,317	4,751
1993 YTD	3,400,729	140,939	56,050	35,313	923,019	36,722
1992 YTD	3,304,289	124,866	61,744	35,361	815,301	36,565
1991 YTD	3,323,343	132,362	72,658	34,798	680,044	36,052

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas by State, 1987-1993 (Continued)
(Million Cubic Feet)

Year and Month	Oklahoma	Texas	Utah	Wyoming	Other ^a States	U.S. Total
1987 Total	2,073,461	6,126,315	87,158	497,980	758,979	17,432,901
1988 Total	2,167,050	6,286,029	101,372	509,058	803,573	17,918,465
1989 Total	2,237,037	6,241,425	120,089	665,699	826,576	18,095,147
1990 Total	2,258,471	6,343,146	145,175	735,728	810,100	18,593,792
1991						
January	194,179	567,589	13,995	68,011	74,819	1,685,877
February	176,577	496,899	11,573	60,587	65,447	1,483,427
March	189,362	533,539	12,789	70,023	69,790	1,606,874
April	182,592	506,976	11,468	66,126	64,125	1,531,264
May	161,866	512,679	11,206	62,086	63,317	1,521,809
June	168,292	500,166	10,567	61,837	60,626	1,450,544
July	176,757	505,136	11,021	62,410	62,280	1,464,959
August	171,545	503,988	12,009	65,429	61,788	1,470,857
September	167,885	500,654	11,131	62,169	60,181	1,483,974
October	180,504	539,982	13,869	63,623	66,247	1,580,397
November	179,976	544,444	14,091	68,055	68,370	1,599,756
December	184,516	568,621	11,098	66,172	71,338	1,672,701
Total	2,153,852	6,280,654	144,817	776,528	788,328	18,532,439
1992						
January	184,091	551,786	11,797	74,325	69,450	1,663,111
February	163,004	483,162	11,312	50,091	64,761	1,466,733
March	165,802	506,941	12,727	71,930	68,252	1,547,288
April	168,030	493,746	11,852	67,036	66,346	1,518,106
May	165,080	510,273	13,378	62,977	66,344	1,557,151
June	166,336	495,691	13,310	58,427	63,463	1,514,984
July	160,800	508,414	13,930	77,202	65,761	1,563,702
August	159,160	515,119	14,425	74,171	65,848	1,522,282
September	160,231	509,836	15,250	73,315	64,218	1,507,660
October	170,825	531,794	17,177	77,161	69,246	1,607,569
November	172,795	513,103	16,718	78,509	68,952	1,587,552
December	178,201	525,996	19,417	77,434	71,622	1,655,671
Total	2,017,356	6,145,862	171,293	842,576	804,264	18,711,808
1993						
January	^E 181,647	553,029	19,774	69,028	^E 72,658	1,684,354
February	^E 162,327	490,478	19,304	52,424	^E 65,382	1,493,945
March	^E 167,673	554,949	22,763	57,523	^E 68,714	1,639,591
April	^E 165,335	538,617	18,986	67,436	^E 65,504	1,592,160
May	^E 165,190	546,915	17,584	55,759	^E 64,466	1,604,852
June	^E 165,784	521,387	18,487	59,105	^E 63,598	^R 1,557,013
July	^E 164,697	528,063	18,152	55,843	^E 63,481	^R 1,582,414
August	^E 170,885	533,433	15,513	55,005	^E 64,239	1,582,125
1993 YTD	1,343,538	4,266,871	150,563	472,123	528,042	12,736,454
1992 YTD	1,335,303	4,065,133	102,731	536,158	530,226	12,353,358
1991 YTD	1,441,171	4,126,952	94,628	516,509	522,192	12,215,612

^a Includes Arizona, Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, Virginia, and West Virginia.

^b The 1992 monthly and annual values for Alabama include Federal Offshore production. Federal Offshore production for 1993 is included in Louisiana marketed production.

^E = Estimated Data.

^R = Revised Data.

Notes: Data for 1987 through 1992 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

Sources: •EIA *Natural Gas Annual 1992*, 1987 through 1992. •IOGCC, MMS reports, and EIA computations, January 1993 through current month.

Table 8. Revenues, Expenses, and Income of Major Interstate Natural Gas Pipeline Companies, 1987-1993
(Million Dollars)

Year and Month	Total Sales Volume ^a (Bcf)	Gas Operating Revenues	Gas Operating Expenses				Total Operating Income	Total Income Before Interest Charges and Extraordinary Expenses	Net Income ^c
			Operation and Maintenance	Depreciation, Depletion, and Amortization	Taxes ^b	Total Gas Operating Expenses			
1987 Total	6,758	27,469	21,871	1,520	552	25,151	2,333	3,493	1,414
1988 Total	6,414	26,637	22,640	1,579	582	24,940	1,803	3,350	1,366
1989 Total	5,652	26,703	21,522	1,451	596	24,168	2,575	4,595	2,311
1990 Total	4,877	24,275	18,980	1,483	648	21,686	2,590	4,227	2,319
1991									
January	686	3,126	2,395	116	61	2,729	397	448	303
February	415	2,095	1,541	116	58	1,809	286	355	222
March	384	1,960	1,445	117	53	1,699	261	273	151
April	289	1,548	1,224	118	53	1,412	137	200	68
May	227	1,386	1,045	118	56	1,229	157	215	74
June	184	1,263	1,870	118	52	1,759	-496	-422	-540
July	212	1,295	989	117	53	1,133	162	194	41
August	251	1,396	1,068	117	55	1,235	162	128	-11
September	229	1,367	1,268	118	46	1,364	23	-398	-545
October	304	1,613	1,232	37	49	1,361	252	276	120
November	439	2,127	1,615	116	50	1,863	264	312	166
December	433	2,452	2,304	101	42	2,565	-113	277	130
Total	4,052	21,649	17,996	1,311	627	20,158	1,492	1,857	179
1992									
January	413	2,240	1,647	117	64	1,954	286	382	241
February	347	1,800	1,281	42	59	1,514	285	378	253
March	348	1,832	1,314	118	56	1,586	246	380	246
April	276	1,526	1,112	119	56	1,339	187	279	135
May	269	1,476	1,084	123	59	1,311	165	368	232
June	224	1,438	1,056	113	52	1,252	187	311	171
July	239	1,442	1,040	125	56	1,259	183	301	147
August	R 264	1,564	1,157	131	54	1,412	152	268	124
September	R 247	1,957	1,552	-24	49	R 1,825	R 331	R 349	252
October	268	1,739	1,363	68	55	1,533	206	314	168
November	364	2,139	1,584	126	54	1,895	244	359	220
December	435	2,430	1,892	76	51	2,252	178	341	206
Total	R 3,693	21,583	16,083	1,133	665	R 18,932	R 2,651	R 4,029	2,395
1993									
January	366	2,070	1,434	121	57	1,703	367	398	267
February	395	2,001	1,395	120	59	1,696	305	393	272
March	401	2,013	1,396	118	55	1,705	308	404	268
April	278	1,617	1,161	216	55	1,516	101	295	168
May	185	1,420	1,062	105	54	1,251	168	108	-39
June	219	1,487	1,062	123	52	1,310	177	275	144
July	225	1,451	980	116	51	1,212	239	319	196
August	225	1,468	1,095	100	49	1,291	177	231	106
September	223	1,498	1,071	84	47	1,287	211	376	169

^a Includes sales for resale and sales to ultimate consumers.

^b Excludes income taxes.

^c Total Income before Interest Charges and Extraordinary Expenses and Investment Tax Credits minus Income Taxes, Interest Charges, and Extraordinary Items.

^R = Revised Data.

Notes: (1) Data up to the current month of the prior year are final. All other data are preliminary unless otherwise indicated. See Appendix A, Explanatory Note 9 for discussion of major interstate pipeline companies. Totals may not equal sum of components because of independent rounding. This table shows selected items only and therefore does not balance mathematically.

(2) As of January 1993, Arkla, Inc. does not meet the filing requirements for the FERC-11. Arkla Energy Resources Company (A.E.R. Co.) is a subsidiary of Arkla, Inc.. Data submitted on the FERC-11 for A.E.R. Co. will indicate less sales volumes and revenues than previous years reported by Arkla, Inc..

Source: Form FERC-11.

Table 9. Volumes and Prices of Natural Gas Sold by Major Interstate Natural Gas Pipeline Companies, 1987-1993
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	To Industrial Users		To Other Ultimate Consumers		Total Sales to Ultimate Consumers		Sales For Resale		Total Sales of Natural Gas		Number of Companies
	Volume	Price ^a	Volume	Price ^a	Volume	Price ^a	Volume	Price ^a	Volume	Price ^a	
1987 Total	442,041	3.07	301,567	5.06	743,608	3.91	5,213,629	3.37	5,957,237	3.44	47
1988 Total	294,821	2.65	440,683	4.99	735,504	4.05	4,866,193	3.47	5,601,697	3.55	46
1989 Total	392,843	2.58	485,592	5.02	858,435	3.91	4,324,349	3.51	5,182,784	3.58	50
1990 Total	229,662	2.80	374,166	5.18	603,828	4.28	3,849,486	3.40	4,453,314	3.52	51
1991											
January	17,703	2.95	68,692	4.71	86,395	4.35	549,376	3.54	635,771	3.65	50
February	11,731	2.62	43,492	4.51	55,223	4.11	325,749	3.65	380,972	3.72	50
March	9,786	2.73	36,250	4.56	46,036	4.17	328,651	3.30	374,687	3.40	50
April	9,047	2.70	21,575	4.82	30,622	4.19	246,762	3.31	277,384	3.41	50
May	11,951	2.38	16,004	5.20	27,955	4.00	188,041	3.58	215,996	3.63	50
June	12,894	2.10	13,048	5.42	25,942	3.77	144,958	3.93	170,900	3.91	50
July	12,018	2.05	18,288	4.83	30,306	3.72	169,807	3.61	200,113	3.62	50
August	15,449	1.94	16,466	4.93	31,915	3.48	205,692	3.33	237,607	3.35	50
September	12,293	2.32	14,785	5.18	27,078	3.88	185,285	3.37	212,363	3.44	50
October	15,654	2.38	20,363	5.11	36,017	3.92	253,721	3.30	289,738	3.38	49
November	14,778	2.70	44,862	4.63	59,640	4.15	363,264	3.27	422,904	3.39	49
December	13,908	2.83	50,253	4.72	64,161	4.31	348,207	4.00	412,368	4.05	49
Total	157,212	2.48	364,078	4.77	521,290	4.08	3,309,713	3.51	3,831,003	3.59	50
1992											
January	12,270	2.58	59,297	4.53	71,567	4.19	333,807	3.58	405,374	3.68	48
February	10,489	2.09	42,699	4.42	53,188	3.97	287,148	3.32	340,336	3.42	49
March	11,460	2.14	35,898	4.42	47,358	3.87	290,133	3.14	337,491	3.24	49
April	14,176	2.15	26,940	4.79	41,116	3.88	221,838	3.32	262,954	3.40	50
May	14,610	1.82	16,500	5.12	31,110	3.57	224,480	3.27	255,590	3.31	50
June	9,991	2.79	13,422	5.45	23,413	4.31	179,954	3.58	203,367	3.66	50
July	14,592	2.04	14,071	5.25	28,663	3.62	188,636	3.45	217,299	3.47	50
August	^R 16,179	2.30	13,925	5.28	^R 30,104	3.68	213,550	3.51	^R 243,654	3.53	50
September	^R 12,858	2.56	^R 13,916	5.36	^R 26,774	4.01	^R 199,862	^R 3.87	^R 226,636	^R 3.89	50
October	12,632	2.88	20,116	5.53	32,748	4.50	222,784	3.46	255,532	3.59	50
November	13,234	2.99	40,209	4.91	53,443	4.43	294,374	3.32	347,817	3.49	50
December	12,300	2.89	55,691	5.00	67,991	4.62	353,866	3.35	421,857	3.56	50
Total	^R 154,791	2.42	^R 352,684	4.85	^R 507,475	4.11	^R 3,010,432	^R 3.42	^R 3,517,907	^R 3.52	50
1993											
January	4,623	2.62	6,747	4.44	11,370	3.70	344,821	3.38	356,191	3.39	51
February	6,494	2.24	5,221	4.47	11,715	3.23	369,081	2.98	380,796	2.99	51
March	5,762	2.42	5,078	4.48	10,840	3.38	369,600	2.96	380,440	2.98	51
April	7,415	2.30	3,626	4.54	11,041	3.04	260,533	3.06	271,574	3.06	51
May	7,609	2.43	2,026	4.92	9,635	2.95	168,359	3.19	177,994	3.17	51
June	6,361	2.38	1,788	4.77	8,149	2.90	199,331	2.82	207,480	2.82	50
July	9,047	2.35	2,212	4.68	11,259	2.81	204,926	2.88	216,185	2.87	50
August	13,732	2.62	2,552	4.49	16,284	2.91	201,552	3.00	217,836	2.99	50
September	4,324	2.75	1,612	5.39	5,936	3.47	209,123	2.88	215,059	2.90	50

^a All prices are weighted averages.

^R = Revised Data.

Notes: (1) The summaries presented in this table are exclusive of transactions between major pipeline companies in the computation of total pipeline activities to eliminate double-counting. Data up to the current month of the prior year are final. All other data are preliminary unless otherwise indicated. See Appendix A, Explanatory Note 9 for discussion of major interstate pipeline companies. Totals may not equal sum of components because of independent rounding.

(2) As of January 1993, Arkla, Inc. does not meet the filing requirements for the FERC-11. Arkla Energy Resources Company (A.E.R. Co.) is a subsidiary of Arkla, Inc.. Data submitted on the FERC-11 for A.E.R. Co. will indicate less sales volumes and revenues than previous years reported by Arkla, Inc..

Source: Form FERC-11.

Table 10. Volumes and Prices of Natural Gas Sold by Major Interstate Natural Gas Pipeline Companies, by Company, September 1993
(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Pipeline Company	To Industrial Users		To Other Ultimate Consumers		Total Sales To Ultimate Consumers		Sales For Resale		Total Sales Of Natural Gas	
	Volume	Price ^a	Volume	Price ^a	Volume	Price ^a	Volume	Price ^a	Volume	Price ^a
Algonquin Gas	0	—	0	—	0	—	0	—	0	—
ANR	0	—	0	—	0	—	15,691	3.19	15,691	3.19
Arkla Energy Resources Co	0	—	0	—	0	—	2,799	1.87	2,799	1.88
Beaer Creek Storage	0	—	0	—	0	—	0	—	0	—
Colorado Interstate	88	2.61	0	—	88	2.61	24,890	1.85	24,978	1.86
Columbia Gas Transm	0	—	0	—	0	—	6,766	3.30	6,766	3.30
Columbia Gulf	0	—	2	4.00	2	4.00	0	—	2	4.00
Consolidated Gas	0	—	0	—	0	—	13,571	4.39	13,571	4.39
East Tennessee	300	3.78	0	—	300	3.78	1,665	4.83	1,965	4.67
El Paso	1,782	2.04	0	—	1,782	2.04	9,176	2.00	10,958	2.01
Equitrans	0	—	0	—	0	—	0	—	0	—
Florida Gas	394	4.78	0	—	394	4.78	487	4.75	881	4.77
Great Lakes Gas	0	—	0	—	0	—	0	—	0	—
High Island Offshore	0	—	0	—	0	—	0	—	0	—
Iroquois Gas Transm. Sys.	0	—	0	—	0	—	0	—	0	—
K N Energy Inc	14	3.50	1,584	5.45	1,598	5.43	588	4.21	2,186	5.10
Karn River Gas Trans.	0	—	0	—	0	—	0	—	0	—
Michigan Gas Storage	0	—	0	—	0	—	24	2.38	24	2.38
Midwestern	0	—	0	—	0	—	0	—	0	—
Mississippi River	63	3.98	0	—	63	3.98	2,040	2.70	2,103	2.74
Mojave Pipeline Co.	0	—	0	—	0	—	0	—	0	—
Mountain Fuel Res	0	—	0	—	0	—	0	—	0	—
National Fuel	0	—	0	—	0	—	0	—	0	—
Natural Gas Pipeline	1	3.00	0	—	1	3.00	13,482	4.43	13,493	4.43
Northern Border	0	—	0	—	0	—	0	—	0	—
Northern Natural	0	—	1	2.00	1	2.00	7,597	3.57	7,598	3.57
Northwest Alaskan	0	—	0	—	0	—	28,682	1.87	28,682	1.87
Northwest Pipeline	0	—	0	—	0	—	2,302	2.22	2,302	2.22
Overthrust Pipeline	0	—	0	—	0	—	0	—	0	—
Pacific Gas Transm	0	—	0	—	0	—	23,682	2.38	23,682	2.38
Pacific Interstate	0	—	0	—	0	—	6,263	2.79	6,263	2.79
Panhandle Eastern	0	—	0	—	0	—	0	—	0	—
Sabine Pipeline Co	0	—	0	—	0	—	0	—	0	—
Sea Robin Pipeline	0	—	0	—	0	—	0	—	0	—
Southern Natural	8	3.88	0	—	8	3.88	1,882	3.15	1,890	3.15
Stingray Pipeline	0	—	0	—	0	—	0	—	0	—
Tenneco, Inc	0	—	0	—	0	—	21,824	3.83	21,824	3.83
Texas Eastern	0	—	0	—	0	—	2,117	2.94	2,117	2.94
Texas Gas Transm	0	—	0	—	0	—	2,520	2.79	2,520	2.79
Trailblazer Pipeline	0	—	0	—	0	—	0	—	0	—
Transcontinental	0	—	0	—	0	—	16,461	3.64	16,461	3.66
Transwestern Pipeline	308	1.94	4	2.25	312	1.95	0	—	312	1.95
Trunkline Gas Co	4	2.75	21	2.33	25	2.40	9,847	2.02	9,872	2.02
U-T Offshore	0	—	0	—	0	—	0	—	0	—
United Gas Pipeline	1,309	2.79	0	—	1,309	2.79	977	2.99	2,286	2.87
Valero Interstate Transm	0	—	0	—	0	—	1,219	3.17	1,219	3.17
Viking Gas Company	0	—	0	—	0	—	0	—	0	—
Williams Natural	53	3.49	0	—	53	3.49	0	—	53	3.49
Williston Basin	0	—	0	—	0	—	497	2.63	497	2.63
Wyoming Interstate	0	—	0	—	0	—	0	—	0	—
Total/Average Price^a	4,324	2.75	1,612	5.39	5,936	3.47	217,059	2.90	222,995	2.92
Sales to Other Major Companies	—	—	—	—	—	—	7,936	3.56	7,936	3.56
Sales Excluding Sales to Major Companies	—	—	—	—	—	—	209,123	2.88	215,059	2.90

^a All prices are computed weighted averages based on dollar and volume amounts reported, which may include or reflect out-of-period dollar or volume adjustments, restatements or revisions, or account reclassifications or provisions for pending regulatory adjustments. See Appendix A, Explanatory Note 9 for discussion of apparent anomalies.
— Not Applicable.

Notes: (1) Two lines have been added to this table to explicitly differentiate transactions between major and nonmajor pipeline companies. Totals may not equal sum of components due to independent rounding and provisions for pending regulatory adjustments.

(2) As of January 1993, Arkla, Inc. does not meet the filing requirements for the FERC-11. Arkla Energy Resources Company (A.E.R. Co.) is a subsidiary of Arkla, Inc.. Data submitted on the FERC-11 for A.E.R. Co. will indicate less sales volumes and revenues than previous years reported by Arkla, Inc..

Source: Form FERC-11.

**Table 11. Natural and Other Gases Produced and Purchased by
Major Interstate Natural Gas Pipeline Companies, 1987-1993**
(Million Cubic Feet)

Year and Month	Transported Gas ^a	Natural Gas Production	Manufactured Gas, Liquefied Natural Gas, Gasified Coal, and Synthetic Gas Production	Purchased Natural Gas				
				From Producers	Intracompany Transfers	Imports	From Others	Total
1987 Total	13,479,989	152,039	22,905	4,848,577	124,572	759,345	400,134	6,132,628
1988 Total	15,950,507	139,621	23,960	4,516,120	66,879	962,383	374,983	5,920,365
1989 Total	18,696,398	108,036	24,809	3,532,588	74,058	903,488	411,997	4,922,131
1990 Total	21,681,372	93,366	24,163	3,801,690	72,986	965,859	355,273	4,995,808
1991								
January	2,096,858	8,065	1,588	372,884	7,194	79,078	40,958	500,112
February	1,839,900	6,242	2,157	262,740	5,669	68,257	21,918	358,584
March	1,865,082	5,837	2,120	222,084	5,388	78,343	19,280	325,075
April	1,792,255	5,803	1,114	193,804	4,453	64,319	19,803	282,379
May	1,723,696	5,534	2,202	174,738	4,808	61,258	14,697	255,501
June	1,579,146	5,353	2,121	180,553	4,294	52,828	22,143	239,818
July	1,610,413	5,571	2,295	155,126	5,186	49,545	15,099	224,956
August	1,735,157	6,213	2,030	149,415	5,253	73,437	22,469	250,574
September	1,691,606	5,998	1,880	169,800	5,586	60,109	14,208	249,703
October	1,856,527	5,473	2,192	210,115	5,329	71,699	18,976	306,119
November	2,103,022	6,378	1,708	261,011	11,226	73,042	33,149	378,428
December	2,135,449	6,798	1,969	298,819	7,732	74,645	31,468	412,664
Total	22,031,321	73,065	23,376	2,631,069	72,118	806,558	274,168	3,783,913
1992								
January	2,309,478	6,645	1,855	251,382	8,000	64,855	38,728	362,965
February	2,158,190	6,079	2,070	205,882	7,942	63,868	24,695	302,187
March	2,183,665	6,156	2,303	148,181	8,643	68,723	19,804	245,351
April	2,107,984	6,796	2,208	184,991	5,813	59,849	21,858	252,511
May	1,979,257	6,969	2,304	170,687	5,935	67,619	19,859	264,100
June	1,912,627	5,243	2,076	155,643	4,803	56,782	17,999	235,227
July	1,925,300	5,675	1,989	156,145	5,106	65,557	23,342	250,150
August	1,888,726	6,146	2,045	166,766	5,429	72,672	18,715	263,582
September	^a 1,807,628	^a 6,260	^a 1,220	175,857	5,268	74,569	6,869	262,563
October	1,985,790	6,352	2,209	192,808	5,380	71,677	20,536	290,401
November	2,144,328	6,503	2,195	218,189	9,938	71,100	24,967	324,194
December	2,194,128	6,604	2,633	247,161	10,494	79,706	45,325	382,686
Total	^a 24,598,101	^a 75,428	^a 25,107	2,253,492	82,751	816,977	282,697	3,435,917
1993								
January	2,334,905	6,430	2,335	203,273	5,475	76,801	7,912	293,461
February	2,183,229	6,047	2,102	160,616	5,238	70,472	9,394	245,720
March	2,214,880	6,310	2,480	171,111	5,563	71,018	11,065	258,757
April	1,976,998	5,532	2,233	164,581	4,796	75,589	1,134	248,100
May	1,934,569	5,578	894	162,910	5,037	83,140	5,158	236,245
June	1,949,219	5,031	2,216	164,781	4,175	74,253	5,315	248,524
July	1,958,562	5,343	2,140	172,148	4,500	76,334	2,357	255,339
August	^a 1,941,343	5,228	2,189	152,659	4,668	71,406	1,640	230,373
September	1,860,922	5,433	1,788	152,912	4,660	69,772	5,860	233,204

^a Gas transported for other companies through the production, transmission, or distribution lines or compressor stations of the reporting pipelines.

^b Includes out-of-period adjustments to correct data in prior month.

^c = Revised Data.

^{na} = Not Available.

Notes: (1) Previously published manufactured gas is now summarized with liquefied natural gas, gasified coal, and synthetic gas production. Also, the summaries presented in this table are exclusive of transactions between major pipeline companies in the computation of total pipeline activities to eliminate double counting. See Appendix A, Explanatory Note 9 for discussion of major interstate pipeline companies. Totals may not equal sum of components because of independent rounding.

(2) As of January 1993, Arkla, Inc. does not meet the filing requirements for the FERC-11. Arkla Energy Resources Company (A.E.R. Co.) is a subsidiary of Arkla, Inc.. Data submitted on the FERC-11 for A.E.R. Co. will indicate less sales volumes and revenues than previous years reported by Arkla, Inc..

Source: Form FERC-11.

**Table 12. Natural and Other Gases Produced and Purchased
by Major Interstate Natural Gas Pipeline Companies, September 1993
(Million Cubic Feet)**

Pipeline Company	Transported Gas	Natural Gas Production	Manufactured Gas, Liquefied Natural Gas, Gasified Coal and Synthetic Gas Production	Purchased Natural Gas				
				From Producers	Intracompany Transfers	Imports	From Others	Total
Algonquin Gas	9,801	0	0	0	0	0	0	0
ANR	79,021	0	956	18,876	0	8,405	0	27,281
Arkla Energy Resources Co.	44,085	0	0	152	0	0	171	323
Bear Creek Storage	0	0	0	0	0	0	0	0
Colorado Interstate	33,248	4,371	0	5,671	4,371	0	0	10,042
Columbia Gas Transm.	50,262	0	0	28,742	0	0	* -133	28,609
Columbia Gulf	92,722	0	0	0	0	0	211	211
Consolidated Gas	35,745	971	0	9,498	1	0	* -12	9,487
East Tennessee	4,790	0	0	1,775	0	0	0	1,775
El Paso	104,268	0	0	6,048	0	0	715	6,763
Equitrans	5,025	0	0	444	0	0	0	444
Florida Gas	29,050	0	0	711	0	0	769	1,480
Great Lakes Gas	66,288	0	0	0	0	110	0	110
High Island Offshore	24,437	0	0	0	0	0	0	0
Iroquois Gas Transm. Sys.	18,829	0	0	0	0	0	0	0
K N Energy Inc.	8,907	0	0	2,941	0	0	1,979	4,920
Kern River Gas Trans.	21,256	0	0	0	0	0	0	0
Michigan Gas Storage	16,536	0	0	0	0	0	24	24
Midwestern	7,665	0	0	0	0	0	0	0
Mississippi River	17,092	0	0	8,290	0	0	0	8,290
Mojave Pipeline Co.	7,065	0	0	0	0	0	0	0
Mountain Fuel Res.	28,132	0	0	1,035	0	0	199	1,234
National Fuel	16,368	0	0	0	0	0	0	0
Natural Gas Pipeline	125,016	0	832	8,798	0	6,335	* -194	14,939
Northern Border	52,389	0	0	0	0	0	0	0
Northern Natural	135,850	0	0	2,755	0	0	12,605	15,360
Northwest Alaskan	0	0	0	0	0	28,682	0	28,682
Northwest Pipeline	41,271	0	0	353	0	2,151	0	2,504
Overthrust Pipeline	1,999	0	0	0	0	0	0	0
Pacific Gas Transm.	17,438	0	0	0	0	23,676	0	23,676
Pacific Interstate	0	0	0	0	0	0	6,528	6,528
Panhandle Eastern	48,761	0	0	* -63	0	0	0	* -63
Sabine Pipeline Co.	15,122	0	0	0	0	0	0	0
Sea Robin Pipeline	23,219	0	0	0	0	0	0	0
Southern Natural	32,843	0	0	9,053	0	0	0	9,053
Stingray Pipeline	17,402	0	0	0	0	0	0	0
Tenneco, Inc.	120,150	85	0	6,100	0	413	* -32	8,481
Texas Eastern	76,858	6	0	1,781	0	0	0	1,781
Texas Gas Transm.	51,851	0	0	4,847	0	0	55	4,902
Trailblazer Pipeline	9,815	0	0	0	0	0	0	0
Transcontinental	180,968	0	0	17,528	0	0	1,269	18,797
Transwestern Pipeline	51,229	0	0	* -5	0	0	0	* -5
Trunkline Gas Co.	44,482	0	0	8,778	0	0	0	8,778
U-T Offshore	10,082	0	0	0	0	0	0	0
United Gas Pipeline	52,386	0	0	5,728	0	0	0	5,728
Valero Interstate Transm.	3,222	0	0	0	0	0	1,219	1,219
Viking Gas Company	10,673	0	0	0	0	0	0	0
Williams Natural	23,188	0	0	540	0	0	112	652
Williston Basin	3,395	0	0	536	268	0	0	824
Wyoming Interstate	7,660	0	0	0	0	0	0	0
Total	1,660,922	5,433	1,788	152,912	4,660	69,772	25,485	252,829
Purchases from Other Major Companies	—	—	—	0	0	0	19,825	19,825
Purchases Excluding Purchases from Other Major Companies	—	—	—	152,912	4,660	69,772	5,660	233,204

* Includes out-of-period adjustments to correct data in prior month.
— Not Applicable.

Notes: (1) Previously published manufactured gas is now summarized with liquefied natural gas, gasified coal, and synthetic gas production. Two lines have been added to this table that explicitly differentiate transactions between major and nonmajor pipeline companies. See Appendix A, Explanatory Note 9 for discussion of major interstate pipeline companies. Totals may not equal sum of components because of independent rounding.

(2) As of January 1993, Arkla, Inc. does not meet the filing requirements for the FERC-11. Arkla Energy Resources Company (A.E.R. Co.) is a subsidiary of Arkla, Inc.. Data submitted on the FERC-11 for A.E.R. Co. will indicate less sales volumes and revenues than previous years reported by Arkla, Inc..

Source: Form FERC-11.

**Table 13. Underground Natural Gas Storage - All Operators,
1987-1993**
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net ^c
1987 Total^a	3,792	2,756	6,548	7	0.3	1,887	1,881	6
1988 Total^a	3,800	2,850	6,650	94	3.4	2,174	2,244	-69
1989 Total^a	3,812	2,513	6,325	-337	-11.8	2,491	2,804	-313
1990 Total^a	3,868	3,068	6,936	555	22.1	2,433	1,934	499
1991								
January	3,911	2,362	6,273	92	4.1	115	660	-545
February	3,908	2,063	5,972	59	3.0	112	397	-285
March	3,895	1,912	5,806	37	2.0	129	291	-162
April	3,898	2,037	5,935	91	4.7	228	104	124
May	3,931	2,273	6,204	93	4.3	319	58	261
June	3,939	2,553	6,492	68	2.7	314	42	272
July	3,942	2,771	6,713	-20	-7	290	75	214
August	3,949	2,978	6,927	-83	-3.0	282	82	200
September	3,950	3,201	7,151	-120	-3.6	294	78	216
October	3,961	3,369	7,330	-98	-2.8	251	103	148
November	3,952	3,148	7,100	-324	-9.3	150	352	-202
December	3,954	2,824	6,778	-244	-8.0	125	448	-323
Total	—	—	—	—	—	2,608	2,689	-80
1992								
January	4,061	2,216	6,277	-146	-6.2	68	591	-524
February	4,057	1,837	5,894	-226	-10.9	52	441	-389
March	4,046	1,545	5,591	-367	-19.2	81	381	-301
April	4,038	1,573	5,611	-463	-22.8	167	150	18
May	4,044	1,848	5,892	-425	-18.7	330	53	277
June	4,050	2,153	6,203	-400	-15.7	366	43	323
July	4,064	2,460	6,524	-311	-11.2	357	50	307
August	4,062	2,761	6,823	-217	-7.3	364	54	309
September	4,061	3,044	7,105	-157	-4.9	346	48	298
October	4,065	3,223	7,288	-146	-4.3	264	78	186
November	4,061	3,054	7,115	-84	-3.0	95	276	-181
December	4,044	2,597	6,641	-227	-8.0	65	557	-491
Total	—	—	—	—	—	2,555	2,724	-168
1993								
January	4,040	2,045	6,086	-170	-7.7	50	605	-556
February	4,014	1,519	5,532	-319	-17.3	27	578	-552
March	3,993	1,237	5,230	-308	-19.9	78	381	-304
April	3,999	1,335	5,334	-238	-15.1	219	111	108
May	4,017	1,738	5,755	-111	-6.0	447	25	423
June	4,029	2,100	6,128	-53	-2.5	416	43	372
July	4,030	2,465	6,495	5	.2	398	48	350
August	4,254	2,566	6,820	-195	-7.1	419	98	321
September	4,254	2,901	7,155	-143	-4.7	378	25	352
October	4,314	2,992	7,305	-232	-7.2	247	97	150

^a Total as of December 31.

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1987, 1988, and 1989 - 8,124; 1990 - 8,125; 1991 - 7,993; and 1992 - 7,932.

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

— = Not Applicable.

Notes: Data for 1987 through 1992 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, Form FERC-8, and Form EIA-176.

Figure 5. Underground Natural Gas Storage in the United States, 1989-1993

Source: Form EIA-191, Form FERC-8, and Form EIA-176.

Table 14. Underground Natural Gas Storage - Interstate Operators of Storage Fields, 1987-1993
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net ^c
1987 Total^a	2,461	2,024	4,485	14	0.7	1,365	1,348	17
1988 Total^a	2,469	2,092	4,561	68	3.3	1,587	1,532	55
1989 Total^a	2,478	1,764	4,242	-328	-15.7	1,788	2,072	-285
1990 Total^a	2,496	2,203	4,699	439	24.9	1,705	1,284	421
1991								
January	2,542	1,718	4,261	114	7.1	105	482	-377
February	2,546	1,502	4,048	40	2.7	93	292	-199
March	2,535	1,418	3,952	26	1.8	109	200	-91
April	2,537	1,500	4,037	76	5.3	165	82	83
May	2,569	1,647	4,216	78	5.0	218	48	170
June	2,575	1,834	4,409	51	2.9	213	35	178
July	2,576	1,970	4,546	-39	-2.0	193	63	130
August	2,577	2,105	4,682	-109	-4.9	186	64	122
September	2,571	2,265	4,836	-122	-5.1	211	64	148
October	2,571	2,382	4,953	-86	-3.5	181	83	98
November	2,572	2,210	4,782	-263	-10.3	117	274	-157
December	2,571	1,985	4,556	-218	-9.9	112	327	-215
Total	—	—	—	—	—	1,904	2,015	-111
1992								
January	2,675	1,554	4,230	-164	-9.5	60	410	-350
February	2,671	1,289	3,960	-213	-14.2	37	317	-280
March	2,661	1,080	3,741	-338	-23.8	65	284	-219
April	2,653	1,104	3,757	-396	-26.4	121	108	12
May	2,659	1,285	3,945	-362	-22.0	237	42	195
June	2,665	1,486	4,151	-348	-19.0	253	32	221
July	2,679	1,895	4,375	-274	-13.9	254	34	220
August	2,676	1,908	4,584	-197	-9.4	260	36	224
September	2,675	2,111	4,785	-155	-6.8	240	27	213
October	2,677	2,231	4,908	-151	-6.3	184	56	128
November	2,673	2,110	4,784	-100	-4.5	74	209	-135
December	2,652	1,819	4,471	-166	-8.4	54	386	-332
Total	—	—	—	—	—	1,838	1,940	-102
1993								
January	2,649	1,443	4,091	-112	-7.2	42	421	-379
February	2,632	1,050	3,683	-239	-18.5	17	425	-409
March	2,615	829	3,444	-251	-23.3	46	282	-235
April	2,621	897	3,518	-207	-18.7	146	78	68
May	2,637	1,191	3,828	-94	-7.3	328	16	312
June	2,648	1,462	4,110	-24	-1.6	307	26	281
July	2,650	1,734	4,384	38	2.3	286	28	257
August	2,672	1,756	4,428	-152	-8.0	318	77	241
September	2,874	2,018	4,892	-93	-4.4	274	13	261
October	2,932	2,054	4,986	-177	-7.9	169	77	92

^a Total as of December 31.

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1987, 1988, 1989, and 1990 - 5,622; 1991 - 5,512; and 1992 - 5,524.

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

— = Not Applicable.

Notes: Data for 1987 through 1992 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, Form FERC-8, and EIA-176.

**Table 15. Underground Natural Gas Storage - Intrastate
Operators and Independent Producers, 1987-1993
(Volumes in Billion Cubic Feet)**

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net ^c
1987 Total^a	1,331	732	2,063	-7	0.1	522	533	-11
1988 Total^a	1,331	758	2,089	26	3.8	587	711	-124
1989 Total^a	1,335	749	2,083	-9	-1.2	705	732	-26
1990 Total^a	1,372	864	2,236	115	15.4	728	650	78
1991								
January	1,369	644	2,012	-21	-3.2	10	178	-168
February	1,362	562	1,924	21	3.8	19	105	-86
March	1,360	494	1,854	13	2.7	20	90	-70
April	1,361	537	1,898	16	3.0	63	22	41
May	1,362	626	1,988	16	2.6	101	11	91
June	1,364	719	2,083	18	2.5	101	7	94
July	1,366	802	2,168	21	2.6	97	13	84
August	1,372	873	2,245	17	2.0	96	17	78
September	1,379	936	2,315	3	.3	83	14	69
October	1,390	987	2,377	-11	-1.2	70	20	49
November	1,380	937	2,317	-70	-6.9	33	78	-45
December	1,383	839	2,221	-25	-2.9	13	120	-108
Total	—	—	—	—	—	705	674	31
1992								
January	1,386	661	2,047	18	2.7	8	182	-174
February	1,386	548	1,934	-13	-2.4	15	124	-109
March	1,385	465	1,850	-29	-5.9	16	98	-82
April	1,385	470	1,854	-67	-12.5	47	42	5
May	1,385	563	1,948	-63	-10.1	93	11	82
June	1,385	666	2,051	-52	-7.3	113	11	102
July	1,385	764	2,150	-37	-4.6	103	16	87
August	1,386	853	2,239	-20	-2.3	103	18	85
September	1,386	933	2,320	-3	-.3	106	21	85
October	1,388	992	2,380	6	.6	80	22	57
November	1,388	943	2,331	6	.6	21	67	-46
December	1,392	778	2,170	-61	-7.3	11	171	-160
Total	—	—	—	—	—	717	784	-67
1993								
January	1,392	603	1,994	-59	-8.9	7	184	-177
February	1,381	468	1,850	-80	-14.6	10	153	-143
March	1,377	408	1,786	-57	-12.2	31	100	-69
April	1,378	439	1,816	-31	-6.6	72	33	39
May	1,381	547	1,927	-18	-2.9	120	9	110
June	1,381	638	2,018	-29	-4.3	108	17	91
July	1,380	731	2,111	-33	-4.3	112	19	93
August	1,382	810	2,192	-43	-5.0	101	21	81
September	1,380	883	2,263	-50	-5.4	104	13	91
October	1,382	937	2,319	-55	-5.5	77	20	57

^a Total as of December 31.

^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1987, 1988, and 1989 - 2,502; 1990 - 2,503; 1991 - 2,481; and 1992 - 2,407.

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

— = Not Applicable.

Notes: Data for 1987 through 1992 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, Form FERC-8, and EIA-176.

Table 16. Net Withdrawals from Underground Storage, by State, 1991-1993
(Volume in Million Cubic Feet)

States	October 1993	September 1993	August 1993	July 1993	June 1993	May 1993	April 1993
Arkansas	128	0	0	10	-14	824	121
California	-12,900	-14,928	-10,526	-23,040	-13,993	-28,521	-15,846
Colorado	435	-4,187	-4,540	-3,880	-4,646	-2,713	3,405
Illinois	-24,512	-36,219	-33,793	-30,687	-32,862	-33,685	-2,881
Indiana	-1,348	-4,192	-4,509	-4,420	-2,089	-1,257	-400
Iowa	-7,585	-12,617	-10,344	-10,896	-8,100	-6,824	-5,491
Kansas	-1,785	-14,328	-8,785	-5,456	-11,747	-24,818	-3,308
Kentucky	-1,089	-6,357	-4,815	-7,557	-7,759	-6,426	726
Louisiana	-15,682	-35,450	-27,651	-27,479	-33,949	-28,839	592
Maryland	-2,688	-2,547	-1,718	-1,126	-1,175	-2,217	456
Michigan	-34,324	-66,961	-82,034	-64,803	-85,218	-75,304	-20,444
Minnesota	-83	-238	-128	-409	-344	-318	49
Mississippi	275	-5,491	-3,438	-5,007	-4,556	-7,012	-2,489
Missouri	-215	-206	-317	-102	-451	-1,049	-1,551
Montana	88	-453	-302	-1,169	685	1,157	1,710
Nebraska	30	-1,539	-1,857	-2,561	-4,278	-2,958	-975
New Mexico	-376	-612	2,318	-269	-1,221	-2,705	2,927
New York	-2,063	-7,364	-8,269	-10,095	-10,768	-10,921	-3,964
Ohio	-6,840	-25,635	-26,949	-29,068	-31,671	-29,544	-3,384
Oklahoma	-8,050	-15,942	-13,432	-14,917	-17,825	-20,586	-12,860
Oregon	-490	-578	-1,042	-1,181	-1,298	-1,645	426
Pennsylvania	-14,785	-49,905	-40,777	-46,928	-53,535	-57,981	-18,784
Texas	-4,403	-18,525	-11,964	-9,730	-8,376	-27,775	-19,952
Utah	-5,223	-4,836	-5,153	-5,170	-6,636	-6,685	1,016
Washington	1,759	-1,979	-620	-2,148	-866	-4,528	-1,002
West Virginia	-8,864	-20,458	-18,781	-20,172	-27,572	-39,358	-5,496
Wyoming	-922	-939	-1,625	-2,051	-2,069	-983	-500
Total	-149,515	-352,488	-321,050	-350,311	-372,334	-422,670	-107,702

See footnotes at end of table.

Table 16. Net Withdrawals from Underground Storage, by State, 1991-1993
(Volume in Million Cubic Feet)—Continued

States	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992	October 1992
Arkansas	478	872	633	514	624	366	196
California	-6,478	17,348	37,972	28,120	54,629	9,135	-8,186
Colorado	2,509	5,116	3,207	4,860	2,582	3,085	-2,169
Illinois	25,052	49,451	59,730	8,608	42,048	14,263	-26,155
Indiana	2,558	5,026	5,572	840	3,610	2,364	-2,936
Iowa	2,650	10,799	18,971	4,259	18,942	7,997	-8,683
Kansas	4,688	15,609	18,609	18,486	12,181	9,027	-3,672
Kentucky	9,515	10,958	5,114	-6,573	2,982	1,514	-10,704
Louisiana	23,512	43,797	47,855	13,958	31,771	5,495	-18,911
Maryland	1,859	4,290	3,272	-333	2,249	-544	-1,333
Michigan	65,891	103,072	97,623	2,251	84,911	47,094	-28,345
Minnesota	418	418	396	-43	193	7	4
Mississippi	6,098	8,450	5,963	-1,732	6,940	998	-267
Missouri	1,085	1,811	1,091	15	7	8	-191
Montana	2,759	4,420	5,100	12,602	5,601	3,347	1,357
Nebraska	1,010	2,009	3,344	-407	3,451	2,461	316
New Mexico	792	4,164	2,613	2,458	-417	1,036	-2,559
New York	10,303	16,122	13,106	-1,572	10,534	3,023	-3,455
Ohio	38,459	45,111	38,493	15,672	31,681	5,352	-11,598
Oklahoma	8,856	21,531	23,966	10,058	31,363	16,578	-7,728
Oregon	728	1,397	1,918	872	579	1,100	-173
Pennsylvania	56,156	100,956	71,301	-5,873	57,665	-2,844	-28,736
Texas	12,328	24,856	45,359	43,441	55,358	35,326	-9,677
Utah	3,663	5,057	5,873	-4,482	6,756	5,453	-1,284
Washington	-1,231	3,347	3,439	5,667	3,797	947	760
West Virginia	29,813	43,205	31,863	8,180	17,912	6,875	-12,723
Wyoming	371	2,388	3,361	8,536	3,440	1,735	1,034
Total	303,841	551,578	555,745	168,381	491,369	181,199	-185,819

See footnotes at end of table.

Table 16. Net Withdrawals from Underground Storage, by State, 1991-1993
(Volume in Million Cubic Feet)—Continued

States	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992	March 1992
Arkansas	-434	-664	-852	-509	16	159	443
California	-17,264	-10,887	-15,281	-23,985	-15,170	-15,220	14,214
Colorado	-5,922	-6,286	-4,177	-2,019	368	4,146	6,690
Illinois	-32,482	-35,313	-28,140	-29,861	-31,183	8,578	25,247
Indiana	-5,203	-4,107	-5,123	-2,563	-1,206	500	4,104
Iowa	-10,088	-10,162	-10,141	-7,264	-7,583	-2,061	3,325
Kansas	-10,142	-11,527	-4,255	-2,319	-2,161	4,821	9,031
Kentucky	-4,201	-1,610	-3,544	-1,546	1,236	1,675	4,848
Louisiana	-16,545	-13,386	-13,811	-18,063	-19,021	-719	10,774
Maryland	-2,204	-2,546	-1,942	-2,867	-3,527	958	2,840
Michigan	-67,401	-67,079	-73,161	-66,808	-43,850	-507	62,627
Minnesota	-126	-184	-299	-307	-391	198	311
Mississippi	-6,250	-297	-4,165	-7,931	-3,896	-106	2,086
Missouri	-208	-218	-266	-146	-427	-1,570	330
Montana	280	-766	-1,026	-714	-1,517	-63	484
Nebraska	-1,167	-1,187	-2,083	-2,611	-1,609	-604	46
New Mexico	-1,172	-1,949	2,103	-542	95	2,400	734
New York	-6,488	-9,745	-10,849	-9,127	-9,430	-2,328	11,629
Ohio	-15,646	-23,106	-26,770	-26,912	-26,466	-2,246	36,501
Oklahoma	-12,709	-5,444	-16,356	-11,329	-8,448	-5,813	3,738
Oregon	-453	-1,010	-1,194	-1,540	-1,572	443	1,586
Pennsylvania	-47,631	-48,824	-41,339	-58,946	-45,507	-6,017	61,022
Texas	-15,735	-26,309	-17,447	-16,212	-26,278	-2,096	4,693
Utah	-3,128	-4,680	-3,526	-2,776	-3,514	-1,845	-252
Washington	-1,196	-1,458	-1,024	-1,175	-1,351	877	581
West Virginia	-13,281	-18,576	-19,023	-21,294	-24,410	-1,169	32,072
Wyoming	-814	-101	-1,069	-568	-343	84	866
Total	-297,793	-309,424	-306,761	-322,935	-277,127	-17,528	300,570

See footnotes at end of table.

Table 16. Net Withdrawals from Underground Storage, by State, 1991-1993
(Volume in Million Cubic Feet)—Continued

States	February 1992	January 1992	Total 1991	December 1991	November 1991	October 1991
Arkansas	519	652	1,966	664	629	0
California	15,305	40,831	-12,276	24,681	6,113	879
Colorado	2,758	5,804	-7,370	598	-1,468	-1,759
Illinois	43,448	58,118	978	34,113	17,558	-26,390
Indiana	4,606	6,794	926	4,626	-802	-4,105
Iowa	11,535	18,442	5,207	13,739	4,997	-10,757
Kansas	13,082	4,420	-10,822	-2,317	8,913	-10,235
Kentucky	1,211	1,568	1,397	2,686	6,590	460
Louisiana	24,031	42,343	24,989	30,577	12,743	-23,315
Maryland	5,269	3,314	-1,852	1,070	-334	-800
Michigan	72,236	82,535	39,200	74,384	56,578	-32,872
Minnesota	123	426	-267	53	77	32
Mississippi	1,362	9,794	5,884	6,130	7,864	-3,107
Missouri	1,199	1,498	-1,117	12	-199	-219
Montana	2,207	3,412	9,737	3,548	2,875	1,379
Nebraska	1,041	1,540	-229	2,362	402	154
New Mexico	710	2,019	-3,694	-1,002	147	9
New York	13,614	11,051	-11,619	7,125	3,662	-5,237
Ohio	35,632	44,471	-431	27,910	12,644	-9,113
Oklahoma	8,339	17,666	12,139	11,502	26,655	-4,702
Oregon	1,540	1,568	-566	487	-23	-339
Pennsylvania	73,709	81,577	11,335	37,591	10,030	-13,835
Texas	20,462	43,357	-6,398	9,801	8,300	-856
Utah	415	3,899	9,976	7,418	5,792	-560
Washington	2,979	1,930	-3,200	458	-1,040	1,040
West Virginia	29,522	32,275	16,888	22,834	11,077	-3,606
Wyoming	2,005	2,269	-426	1,941	1,809	-54
Total	388,858	523,770	80,355	322,991	201,590	-147,908

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data for "1991 and 1992" are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year.

Source: Form EIA-191.

**Table 17. Activities of Underground Natural Gas Storage Operators,
by State, October 1993**
(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Arkansas	31,278	17,833	4,897	22,731	-2,986	-37.9	0	126
California	472,109	251,050	210,423	461,473	3,170	1.5	15,112	2,212
Colorado	105,790	47,757	33,464	81,222	-5,433	-14.0	18,855	19,290
Illinois	952,388	623,466	286,612	910,077	-41,784	-12.7	24,935	423
Indiana	106,677	71,453	34,605	106,058	-679	-1.9	2,755	1,408
Iowa	279,700	200,700	64,538	265,238	-48,360	-42.8	8,266	681
Kansas	292,058	185,416	92,481	277,897	9,941	12.0	14,285	12,500
Kentucky	210,242	105,481	100,043	205,524	3,133	3.2	3,828	2,739
Louisiana	539,200	252,697	226,199	478,896	31,785	16.3	23,612	7,930
Maryland	62,400	46,677	14,426	61,103	-270	-1.8	2,688	0
Michigan	1,043,782	420,591	582,732	1,003,323	49,836	9.4	36,416	4,092
Minnesota	7,000	4,655	2,344	6,999	29	1.2	83	0
Mississippi	114,627	49,038	60,752	109,790	1,131	1.9	3,327	3,603
Missouri	30,564	21,600	8,842	30,442	-112	-1.3	221	6
Montana	375,010	169,892	87,924	257,816	-22,944	-20.7	1,404	1,492
Nebraska	93,312	77,857	10,707	88,564	-49,834	-82.3	623	653
New Mexico	94,600	31,812	7,346	39,158	-8,630	-54.0	476	100
New York	173,463	108,690	65,899	174,589	-10,235	-13.4	4,122	2,058
Ohio	594,644	356,966	163,995	522,961	-5,717	-3.4	11,803	4,962
Oklahoma	359,616	229,765	125,633	355,398	-48,549	-27.9	12,511	4,462
Oregon	11,445	3,291	8,240	11,531	86	1.1	490	0
Pennsylvania	664,694	361,433	334,285	695,718	2,868	.9	27,164	12,379
Texas	598,783	234,210	218,094	452,304	-127,365	-36.9	13,773	9,370
Utah	114,980	54,847	30,558	85,406	8,010	35.5	5,226	3
Washington	34,100	18,800	13,348	32,148	-626	-4.5	358	2,117
West Virginia	519,286	306,270	176,195	482,465	34,405	24.3	11,006	4,142
Wyoming	105,669	59,427	26,981	86,407	-2,525	-8.6	1,329	407
Total	7,987,416	4,313,675	2,991,563	7,305,238	-231,654	-7.2	246,670	97,155

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Source: Form EIA-191.

Table 18. Natural Gas Deliveries to Residential Consumers by State, 1992-1993

(Million Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	September 1993	August 1993	July 1993
Alabama	39,150	37,253	34,074	1,326	1,326	1,426
Alaska	9,782	10,017	9,590	513	402	423
Arizona	20,773	20,692	23,717	855	802	833
Arkansas	33,760	28,646	29,740	1,103	1,017	1,109
California	365,183	342,546	376,213	23,927	22,743	23,641
Colorado	78,011	67,745	71,816	3,019	2,384	2,843
Connecticut	30,377	30,392	26,598	NA	959	1,026
Delaware	6,406	6,215	5,490	184	167	184
District of Columbia	12,623	12,418	11,478	423	414	432
Florida	10,525	10,973	9,441	662	611	671
Georgia	77,432	71,442	63,542	2,882	2,922	3,013
Hawaii	423	417	413	42	41	46
Idaho	8,828	6,261	7,262	309	250	301
Illinois	337,061	314,037	307,531	15,198	9,736	10,380
Indiana	112,838	104,118	99,332	4,001	3,090	3,140
Iowa	58,553	49,976	53,435	2,142	1,527	1,566
Kansas	63,982	50,266	54,034	1,803	1,684	1,874
Kentucky	44,243	40,922	38,997	1,420	1,145	1,299
Louisiana	41,515	40,403	39,559	1,890	1,837	2,112
Maine	623	651	528	27	22	22
Maryland	55,154	53,662	48,958	2,114	1,898	1,943
Massachusetts	91,032	90,083	77,539	3,286	3,090	3,505
Michigan	259,407	252,577	236,145	9,908	7,120	8,494
Minnesota	85,429	75,712	77,863	3,537	2,389	2,565
Mississippi	21,091	19,383	18,749	816	789	831
Missouri	101,710	82,251	86,645	3,095	2,486	2,870
Montana	13,687	10,711	12,593	735	526	604
Nebraska	38,203	27,737	30,840	1,162	954	1,068
Nevada	15,127	12,929	14,199	651	612	600
New Hampshire	4,847	4,885	4,218	155	124	149
New Jersey	146,564	142,588	126,919	5,304	4,617	5,104
New Mexico	23,174	23,215	22,391	856	828	856
New York	284,780	279,584	246,657	9,836	9,195	10,140
North Carolina	35,033	30,542	27,092	815	762	830
North Dakota	7,792	6,774	7,221	271	210	268
Ohio	245,468	235,967	220,632	7,937	6,501	7,220
Oklahoma	58,746	47,218	49,890	1,734	1,618	1,837
Oregon	21,591	15,782	19,953	699	672	768
Pennsylvania	191,445	189,260	171,548	NA	5,668	5,595
Rhode Island	15,214	14,987	12,874	487	472	558
South Carolina	17,846	16,067	13,875	387	373	402
South Dakota	8,762	7,125	7,580	363	236	281
Tennessee	41,562	36,736	34,759	1,108	1,007	1,102
Texas	161,635	151,459	155,359	7,217	7,393	7,750
Utah	37,162	31,099	36,635	1,449	1,353	1,533
Vermont	1,930	1,879	1,593	51	45	50
Virginia	48,503	44,174	38,428	1,414	1,391	1,420
Washington	38,961	28,645	33,767	1,406	1,270	1,455
West Virginia	24,787	26,126	22,917	735	616	529
Wisconsin	90,057	83,463	83,448	3,874	2,570	2,487
Wyoming	9,122	7,471	8,580	381	292	366
Total	3,546,107	3,295,461	3,212,647	141,523	120,146	129,524

See footnote at end of table.

Table 18. Natural Gas Deliveries to Residential Consumers by State, 1992-1993
(Continued)
(Million Cubic Feet)

State	June 1993	May 1993	April 1993	March 1993	February 1993	January 1993
Alabama	1,636	2,840	5,652	8,691	8,165	8,087
Alaska	577	891	1,288	1,471	2,138	2,079
Arizona	1,097	1,296	2,179	4,080	4,122	5,507
Arkansas	1,309	2,256	4,970	6,735	7,123	8,139
California	25,109	29,404	36,242	50,580	65,997	87,540
Colorado	3,985	6,487	9,870	14,984	15,937	18,500
Connecticut	1,257	1,921	3,989	6,171	7,302	6,635
Delaware	242	447	1,016	1,483	1,382	1,301
District of Columbia	540	817	1,624	2,838	2,795	2,740
Florida	764	952	1,483	1,903	1,849	1,650
Georgia	3,111	4,449	9,292	15,685	18,101	17,977
Hawaii	47	44	48	52	51	51
Idaho	333	689	1,040	1,699	1,951	2,256
Illinois	12,724	18,265	42,438	68,000	74,465	85,855
Indiana	4,346	6,398	14,327	23,924	25,852	27,770
Iowa	2,387	3,458	7,613	11,612	13,078	15,171
Kansas	2,459	4,727	9,182	13,049	13,450	15,775
Kentucky	1,722	1,921	5,024	9,264	11,225	11,222
Louisiana	2,217	2,946	5,580	7,940	8,409	8,584
Maine	30	38	71	115	153	144
Maryland	2,442	3,419	6,596	12,217	12,767	11,757
Massachusetts	4,472	7,277	13,203	18,308	19,634	18,257
Michigan	11,337	18,067	34,718	54,009	56,815	58,840
Minnesota	3,564	5,382	10,745	16,317	18,621	22,308
Mississippi	949	1,467	2,965	4,402	4,393	4,480
Missouri	3,675	7,478	13,434	21,556	21,884	25,234
Montana	639	997	1,674	2,591	2,490	3,631
Nebraska	1,427	2,252	4,864	7,316	7,759	11,404
Nevada	910	1,087	1,503	2,715	3,157	3,892
New Hampshire	211	349	721	1,009	1,081	1,048
New Jersey	5,972	8,744	19,991	31,606	34,599	30,626
New Mexico	1,062	1,699	2,798	4,026	4,736	6,313
New York	13,837	20,317	39,136	60,720	62,212	59,387
North Carolina	1,040	1,979	5,036	8,033	8,149	8,389
North Dakota	350	568	1,082	1,462	1,522	2,059
Ohio	11,797	13,734	32,024	52,333	58,337	55,585
Oklahoma	2,338	3,917	8,042	12,165	12,493	14,604
Oregon	945	1,769	2,533	3,844	4,570	5,790
Pennsylvania	8,528	10,967	24,899	42,203	44,864	41,824
Rhode Island	671	1,117	2,200	3,291	3,326	3,091
South Carolina	495	947	2,532	4,230	4,247	4,232
South Dakota	370	606	1,153	1,678	1,784	2,291
Tennessee	1,353	2,288	5,647	9,840	9,089	10,127
Texas	8,441	10,676	17,317	27,195	34,330	41,315
Utah	1,845	3,055	4,375	6,589	8,045	8,918
Vermont	84	138	271	433	446	412
Virginia	1,608	2,402	5,781	10,351	11,461	10,675
Washington	2,676	3,191	4,766	6,815	7,491	8,691
West Virginia	955	1,596	3,534	5,724	5,916	5,182
Wisconsin	3,728	5,548	12,504	18,048	18,316	22,983
Wyoming	506	811	1,166	1,655	1,799	2,145
Total	164,118	234,089	450,098	702,955	769,882	833,773

See footnote at end of table.

Table 18. Natural Gas Deliveries to Residential Consumers by State, 1992-1993
(Continued)
(Million Cubic Feet)

State	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992
Alabama	49,844	7,261	3,402	1,728	1,373	1,311
Alaska	14,350	1,682	1,442	1,209	643	438
Arizona	28,388	5,118	1,576	1,000	870	815
Arkansas	39,474	6,185	3,132	1,511	1,096	1,124
California	479,537	75,266	37,291	24,434	21,969	22,039
Colorado	94,614	15,715	7,607	3,547	2,644	2,438
Connecticut	42,394	5,855	3,876	2,271	1,155	996
Delaware	8,194	1,044	628	307	183	179
District of Columbia	16,587	2,213	1,314	642	446	420
Florida	14,380	1,766	956	685	636	627
Georgia	108,214	18,555	12,934	5,284	3,211	2,981
Hawaii	551	50	42	42	43	42
Idaho	9,659	1,946	1,024	428	274	183
Illinois	475,360	77,632	54,950	28,742	13,758	11,171
Indiana	152,692	24,261	15,953	8,361	3,960	3,312
Iowa	74,879	12,827	8,350	3,725	1,885	1,668
Kansas	71,522	12,732	6,102	2,421	1,798	1,740
Kentucky	61,911	10,617	6,997	3,376	1,413	1,416
Louisiana	55,221	8,411	4,185	2,222	2,014	1,960
Maine	872	111	70	41	17	22
Maryland	75,122	10,567	6,855	4,038	2,027	2,068
Massachusetts	119,670	14,189	10,056	5,342	3,369	3,203
Michigan	358,088	50,376	34,278	20,856	9,435	8,655
Minnesota	113,560	18,543	12,857	6,449	3,021	2,525
Mississippi	26,487	4,196	1,927	979	856	817
Missouri	116,655	19,801	10,344	4,259	2,942	2,681
Montana	16,673	3,065	1,792	1,106	727	421
Nebraska	41,414	7,085	4,561	2,030	1,096	983
Nevada	16,184	3,302	1,226	727	608	529
New Hampshire	6,449	750	526	288	151	139
New Jersey	198,462	27,553	17,953	10,368	5,338	4,918
New Mexico	31,433	5,194	1,992	1,033	889	851
New York	378,689	49,715	30,758	18,633	10,006	9,649
North Carolina	42,588	6,819	3,446	1,781	806	734
North Dakota	9,693	1,472	990	458	285	214
Ohio	340,628	49,551	34,181	20,929	8,111	7,238
Oklahoma	65,811	11,635	4,722	2,236	1,775	1,712
Oregon	23,109	4,337	1,993	1,017	648	526
Pennsylvania	266,528	36,609	24,806	15,853	6,950	5,902
Rhode Island	20,000	2,403	1,720	890	547	423
South Carolina	22,392	3,784	1,750	792	409	386
South Dakota	10,791	1,797	1,267	602	315	254
Tennessee	52,220	9,125	4,473	1,885	1,100	1,051
Texas	214,682	35,434	19,205	8,584	7,750	7,553
Utah	44,701	7,957	3,844	1,802	1,321	1,255
Vermont	2,520	308	205	129	53	49
Virginia	62,431	9,396	5,553	3,307	1,467	1,406
Washington	43,048	7,930	4,236	2,236	1,310	956
West Virginia	35,291	4,146	3,120	1,899	819	661
Wisconsin	123,405	19,080	13,233	7,630	3,229	2,662
Wyoming	10,895	1,803	1,071	551	360	278
Total	4,690,065	717,170	436,771	240,662	137,106	125,580

See footnote at end of table.

Table 18. Natural Gas Deliveries to Residential Consumers by State, 1992-1993
(Continued)
(Million Cubic Feet)

State	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	1,423	1,772	2,714	5,012	5,605	9,267
Alaska	474	628	1,012	1,346	1,764	1,933
Arizona	947	1,132	1,207	2,313	3,589	4,220
Arkansas	1,184	1,371	1,854	3,828	4,305	6,724
California	22,397	24,100	28,422	37,311	46,860	61,574
Colorado	2,809	3,963	5,005	8,789	11,499	14,400
Connecticut	1,125	1,394	2,417	4,284	5,777	6,571
Delaware	197	301	528	948	1,158	1,417
District of Columbia	469	630	948	1,820	2,172	2,829
Florida	674	733	936	1,340	1,478	2,345
Georgia	3,170	3,536	4,718	7,360	12,768	14,531
Hawaii	45	46	47	46	48	50
Idaho	233	247	445	730	944	1,361
Illinois	10,391	12,963	22,488	40,752	59,187	63,013
Indiana	3,484	4,627	7,584	14,093	18,963	22,018
Iowa	1,546	2,186	3,335	6,857	8,482	11,637
Kansas	1,932	2,609	3,788	6,917	7,890	10,939
Kentucky	1,326	1,835	2,626	4,179	7,813	8,511
Louisiana	2,067	2,288	2,799	4,544	5,650	9,220
Maine	24	37	66	96	122	139
Maryland	2,153	2,577	4,007	7,087	9,717	11,583
Massachusetts	3,453	4,822	8,475	13,384	16,712	19,067
Michigan	8,773	11,927	21,545	36,421	46,640	52,668
Minnesota	2,702	3,130	5,136	10,391	14,009	15,904
Mississippi	896	963	1,287	2,440	2,850	4,551
Missouri	2,931	3,838	5,858	11,044	13,548	18,433
Montana	485	541	837	1,371	1,620	2,180
Nebraska	1,047	1,311	2,020	3,760	4,706	5,956
Nevada	671	695	803	1,394	2,094	2,611
New Hampshire	159	219	461	766	869	1,089
New Jersey	5,239	6,166	11,680	20,212	26,880	31,006
New Mexico	929	1,122	1,514	2,723	3,842	5,376
New York	10,509	13,470	23,835	41,548	53,492	59,000
North Carolina	837	1,301	2,222	4,509	5,194	7,366
North Dakota	260	311	616	1,002	1,128	1,456
Ohio	8,098	10,336	17,276	31,344	45,783	50,254
Oklahoma	1,949	2,549	3,219	5,961	7,235	10,656
Oregon	610	772	1,248	1,891	2,477	3,223
Pennsylvania	6,134	8,047	13,989	26,243	36,068	41,812
Rhode Island	639	771	1,446	2,271	2,802	3,092
South Carolina	424	597	1,033	2,295	2,650	4,071
South Dakota	265	321	638	996	1,202	1,497
Tennessee	1,120	1,437	2,186	4,859	6,002	8,849
Texas	8,119	8,776	10,307	14,934	21,265	33,008
Utah	1,406	1,524	1,986	3,184	4,869	7,132
Vermont	53	72	145	284	367	426
Virginia	1,495	1,788	3,269	5,884	7,953	10,106
Washington	910	1,384	2,377	3,736	4,719	5,966
West Virginia	683	1,105	2,076	4,038	4,328	6,231
Wisconsin	2,604	3,681	6,373	11,914	15,740	17,320
Wyoming	323	431	613	951	1,146	1,492
Total	131,801	162,378	251,416	431,401	573,979	696,082

NA = Not Available.

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

Source: Form EIA-857.

Table 19. Natural Gas Deliveries to Commercial Consumers by State, 1992-1993

(Million Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	September 1993	August 1993	July 1993
Alabama	19,408	18,591	17,312	1,137	1,096	1,105
Alaska	14,362	15,192	15,099	1,113	958	918
Arizona	20,609	20,078	20,870	1,530	1,611	1,665
Arkansas	21,592	18,421	19,008	1,123	1,044	1,010
California	196,510	216,159	213,611	18,305	15,595	19,856
Colorado	53,817	47,428	50,330	3,084	2,393	2,482
Connecticut	21,713	21,782	19,623	NA	809	973
Delaware	3,852	3,708	3,155	154	154	163
District of Columbia	12,316	12,327	12,057	678	697	658
Florida	30,984	31,541	28,993	2,886	2,835	2,923
Georgia	41,305	38,376	36,131	2,474	2,514	2,600
Hawaii	1,595	1,614	1,809	168	170	174
Idaho	7,725	6,020	6,895	383	362	385
Illinois	139,900	130,238	130,610	7,361	5,640	5,877
Indiana	53,250	48,235	46,715	2,365	1,793	1,800
Iowa	35,052	29,780	31,678	1,638	1,208	1,215
Kansas	43,530	38,402	44,302	2,474	3,420	3,504
Kentucky	25,332	23,599	22,479	1,214	1,005	1,029
Louisiana	18,994	20,999	18,823	1,297	1,280	1,269
Maine	1,006	1,620	1,327	77	67	71
Maryland	31,338	30,513	27,114	1,688	1,555	1,496
Massachusetts	47,834	48,113	40,448	2,713	2,513	2,614
Michigan	127,992	123,533	120,011	5,770	4,133	5,039
Minnesota	59,274	54,968	57,503	2,920	2,183	2,176
Mississippi	14,912	13,125	12,825	926	824	970
Missouri	50,721	43,254	45,166	2,249	1,988	2,093
Montana	9,602	7,382	8,773	537	418	439
Nebraska	26,983	23,053	30,730	1,152	2,343	1,289
Nevada	12,905	11,928	12,785	910	940	921
New Hampshire	4,524	4,338	3,709	186	171	177
New Jersey	98,270	96,231	88,047	5,268	3,901	5,985
New Mexico	20,652	19,777	18,512	1,795	1,408	1,416
New York	160,745	161,743	145,873	9,891	10,413	10,369
North Carolina	26,424	26,328	24,899	1,521	1,415	1,314
North Dakota	7,469	6,619	7,323	381	294	317
Ohio	115,552	112,689	104,846	4,470	3,843	3,919
Oklahoma	30,707	25,362	28,371	1,361	1,442	1,343
Oregon	17,456	13,647	16,744	933	839	914
Pennsylvania	93,667	94,646	88,406	NA	3,897	3,505
Rhode Island	6,372	6,866	6,249	243	364	273
South Carolina	12,314	12,204	11,435	830	834	826
South Dakota	7,563	5,985	6,424	393	292	315
Tennessee	37,301	33,355	33,036	2,022	1,839	1,912
Texas	155,981	133,522	132,017	11,459	15,027	16,324
Utah	14,103	11,589	14,387	441	414	471
Vermont	1,380	1,695	1,452	83	67	62
Virginia	38,401	35,873	31,896	2,104	2,052	1,986
Washington	31,995	26,433	30,780	1,844	1,765	1,816
West Virginia	17,617	17,449	14,743	1,086	1,012	906
Wisconsin	54,551	48,201	47,679	2,504	1,896	2,016
Wyoming	6,868	5,539	6,545	350	361	336
Total	2,105,223	2,000,070	1,959,455	122,906	115,091	123,216

See footnote at end of table.

Table 19. Natural Gas Deliveries to Commercial Consumers by State, 1992-1993
(Continued)
(Million Cubic Feet)

State	June 1993	May 1993	April 1993	March 1993	February 1993	January 1993
Alabama	1,199	1,564	2,566	3,632	3,581	3,528
Alaska	1,055	1,442	1,864	2,052	2,472	2,488
Arizona	2,046	1,861	2,418	3,071	2,968	3,439
Arkansas	1,075	1,536	2,914	3,987	4,161	4,742
California	16,987	19,515	19,725	23,421	33,785	29,322
Colorado	3,162	4,353	6,587	9,560	10,266	11,929
Connecticut	1,012	1,430	2,874	4,286	4,816	4,490
Delaware	139	281	569	850	810	732
District of Columbia	724	1,138	1,534	2,144	2,414	2,328
Florida	3,075	3,352	3,864	4,065	4,055	3,929
Georgia	2,559	3,077	4,829	7,755	7,887	7,610
Hawaii	183	168	177	179	190	185
Idaho	389	569	833	1,302	1,684	1,817
Illinois	5,099	7,745	17,603	27,690	29,700	33,186
Indiana	2,057	2,850	6,549	10,975	11,930	12,932
Iowa	1,481	2,030	4,308	6,756	7,756	8,662
Kansas	2,248	2,924	5,087	7,223	7,616	9,034
Kentucky	1,443	1,326	2,923	5,179	5,592	5,622
Louisiana	1,456	1,746	2,381	3,082	3,214	3,269
Maine	80	107	192	291	364	356
Maryland	1,846	2,094	3,742	6,182	6,514	6,222
Massachusetts	3,121	4,066	6,366	8,919	9,032	8,492
Michigan	5,968	8,840	18,049	25,283	27,068	27,742
Minnesota	2,533	3,561	7,222	11,305	12,792	14,583
Mississippi	958	1,100	1,741	2,655	2,944	2,794
Missouri	2,293	4,168	6,389	9,885	10,245	11,412
Montana	436	686	1,143	1,750	1,714	2,479
Nebraska	1,351	1,440	3,027	4,472	4,725	7,184
Nevada	1,054	1,344	1,317	2,022	2,117	2,279
New Hampshire	204	294	612	912	974	994
New Jersey	5,256	7,197	13,341	19,219	20,061	18,042
New Mexico	1,464	1,732	2,334	2,819	3,440	4,243
New York	11,087	11,562	20,159	28,850	29,647	28,766
North Carolina	1,421	1,793	3,300	5,038	5,223	5,398
North Dakota	347	477	926	1,339	1,478	1,911
Ohio	5,194	6,324	14,913	25,344	26,510	25,034
Oklahoma	1,458	2,075	3,770	5,949	6,186	7,124
Oregon	1,009	1,447	1,926	2,877	3,367	4,144
Pennsylvania	4,462	5,749	11,795	18,664	21,017	19,186
Rhode Island	330	429	907	1,325	1,359	1,140
South Carolina	861	988	1,478	2,158	2,114	2,225
South Dakota	343	531	996	1,346	1,498	1,849
Tennessee	2,023	2,618	4,625	7,385	7,553	7,326
Texas	15,471	14,520	17,105	19,070	21,693	25,314
Utah	560	1,074	1,605	2,695	3,307	3,536
Vermont	80	124	199	350	368	347
Virginia	2,171	2,825	4,835	7,305	7,738	7,386
Washington	1,921	2,797	3,817	5,201	5,718	7,118
West Virginia	1,088	1,271	2,184	3,452	3,504	3,114
Wisconsin	2,594	3,413	7,006	10,572	11,753	12,798
Wyoming	369	598	828	1,192	1,295	1,539
Total	126,742	156,250	257,452	374,035	408,214	421,317

See footnote at end of table.

Table 19. Natural Gas Deliveries to Commercial Consumers by State, 1992-1993
(Continued)
(Million Cubic Feet)

State	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992
Alabama	25,235	3,338	1,983	1,320	1,136	1,078
Alaska	21,299	2,390	1,928	1,790	1,252	1,013
Arizona	27,135	3,573	1,858	1,580	1,801	1,505
Arkansas	25,314	3,596	2,078	1,219	1,029	1,022
California	265,035	28,738	20,999	19,112	19,247	21,633
Colorado	66,443	10,319	5,594	3,078	2,312	2,183
Connecticut	29,838	3,871	2,823	1,562	1,075	1,061
Delaware	4,965	622	395	240	162	152
District of Columbia	16,103	1,921	1,103	753	653	673
Florida	41,736	3,914	3,317	2,954	2,849	2,881
Georgia	53,861	7,642	4,640	3,201	2,462	2,503
Hawaii	2,144	184	178	168	178	173
Idaho	8,932	1,557	889	465	369	330
Illinois	196,872	31,575	22,757	12,394	6,618	6,025
Indiana	72,779	12,097	8,135	4,253	2,131	1,955
Iowa	48,097	7,827	5,843	2,645	1,433	1,257
Kansas	53,973	7,543	4,867	3,182	3,132	3,482
Kentucky	35,419	5,519	4,084	2,237	1,209	1,158
Louisiana	28,454	3,574	2,295	1,577	1,508	1,431
Maine	2,209	285	188	116	67	52
Maryland	42,464	5,565	3,895	2,491	1,615	1,586
Massachusetts	64,355	6,933	5,530	3,776	2,753	2,884
Michigan	173,806	24,211	16,298	9,760	5,431	4,964
Minnesota	82,381	12,795	9,526	5,092	2,631	2,296
Mississippi	17,942	2,387	1,489	942	847	867
Missouri	60,963	9,648	5,335	2,728	2,024	1,993
Montana	11,560	2,095	1,271	810	523	331
Nebraska	34,491	4,941	3,988	2,508	1,710	2,393
Nevada	16,113	2,170	1,022	982	872	824
New Hampshire	5,862	715	515	295	174	169
New Jersey	130,891	16,470	11,027	7,164	5,462	4,981
New Mexico	27,891	4,165	2,269	1,673	1,541	1,513
New York	217,220	25,808	16,804	12,860	9,582	9,456
North Carolina	36,424	4,941	3,010	2,138	1,679	1,607
North Dakota	9,762	1,549	1,015	576	363	262
Ohio	160,704	23,770	15,094	9,092	4,418	4,260
Oklahoma	35,235	5,771	2,608	1,449	1,240	1,292
Oregon	19,576	3,166	1,652	1,105	863	782
Pennsylvania	134,257	18,385	12,784	8,439	4,579	4,132
Rhode Island	9,089	951	654	609	411	479
South Carolina	16,644	2,089	1,345	1,006	875	882
South Dakota	9,127	1,476	1,104	558	324	284
Tennessee	46,534	6,846	3,963	2,368	1,933	1,681
Texas	184,677	22,093	17,386	11,672	11,356	12,966
Utah	16,599	3,120	1,329	545	405	372
Vermont	2,319	269	211	144	77	75
Virginia	50,757	6,895	4,714	3,275	1,903	2,055
Washington	37,893	5,709	3,418	2,240	1,734	1,514
West Virginia	24,419	3,396	2,092	1,482	910	855
Wisconsin	71,343	11,087	7,918	4,108	1,854	1,615
Wyoming	8,019	1,271	760	439	267	269
Total	2,803,262	380,772	255,758	166,151	120,899	121,186

See footnote at end of table.

Table 19. Natural Gas Deliveries to Commercial Consumers by State, 1992-1993
(Continued)
(Million Cubic Feet)

State	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	1,108	1,225	1,513	2,287	2,671	3,833
Alaska	1,084	1,206	1,597	1,935	2,319	2,372
Arizona	1,690	1,754	1,620	2,352	2,898	3,011
Arkansas	1,062	1,108	1,358	2,114	2,708	3,861
California	21,150	22,150	27,118	18,379	24,413	23,834
Colorado	2,430	3,055	3,631	5,965	7,609	9,450
Connecticut	1,046	1,149	1,779	2,941	3,940	4,374
Delaware	166	198	308	537	686	755
District of Columbia	718	764	1,058	1,774	2,132	2,256
Florida	2,976	3,085	3,382	3,741	3,856	4,364
Georgia	2,536	2,596	3,103	4,381	5,778	6,952
Hawaii	174	184	177	183	174	180
Idaho	345	343	447	643	834	1,167
Illinois	5,811	4,907	8,872	17,598	23,400	26,501
Indiana	1,811	2,004	3,400	6,172	8,437	10,265
Iowa	1,100	1,427	1,877	3,883	4,949	6,709
Kansas	3,609	2,814	3,736	4,571	4,372	5,862
Kentucky	1,066	1,132	1,600	2,612	3,874	4,758
Louisiana	1,556	1,564	1,789	2,367	2,743	4,003
Maine	79	80	157	229	315	318
Maryland	1,553	1,784	2,391	3,807	5,073	6,382
Massachusetts	3,072	2,768	4,450	7,049	8,217	8,736
Michigan	4,981	5,883	10,406	17,769	22,443	24,979
Minnesota	2,244	2,467	3,602	7,517	10,134	11,075
Mississippi	885	888	994	1,473	1,758	2,595
Missouri	1,849	2,547	3,144	5,601	6,835	9,060
Montana	365	377	568	930	1,099	1,464
Nebraska	2,366	1,330	1,781	2,411	2,970	3,760
Nevada	1,015	945	1,012	1,335	1,725	1,873
New Hampshire	179	208	376	629	762	931
New Jersey	5,240	5,294	8,392	14,066	16,759	18,398
New Mexico	1,200	1,171	1,687	2,372	2,730	3,445
New York	9,327	9,915	13,518	23,039	27,748	29,912
North Carolina	1,591	1,733	2,205	3,296	3,983	5,066
North Dakota	279	298	529	937	1,082	1,380
Ohio	4,291	5,016	7,455	15,893	20,215	24,820
Oklahoma	1,407	1,540	1,785	2,956	3,653	5,310
Oregon	784	884	1,171	1,542	1,925	2,465
Pennsylvania	4,046	4,520	6,793	12,210	17,679	19,482
Rhode Island	448	498	676	1,047	1,103	1,128
South Carolina	820	944	1,068	1,436	1,745	2,158
South Dakota	291	303	460	828	1,007	1,174
Tennessee	1,838	2,016	2,436	4,205	5,069	6,834
Texas	13,768	10,879	12,557	14,111	15,866	19,049
Utah	410	457	642	1,155	1,866	2,952
Vermont	79	75	118	231	320	354
Virginia	2,085	2,271	3,289	4,523	5,985	6,690
Washington	1,575	1,830	2,343	3,179	3,855	4,840
West Virginia	812	999	1,341	2,322	2,986	3,565
Wisconsin	1,759	1,986	3,632	6,870	9,113	10,037
Wyoming	264	309	438	668	821	1,078
Total	122,339	124,881	169,759	250,136	314,629	365,815

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Deliveries for total year 1992 may not equal the sum of the twelve months. Gas volumes delivered for use as vehicle fuel are included in the annual total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857.

**Table 20. Natural Gas Deliveries to Industrial Consumers by State,
1992-1993
(Million Cubic Feet)**

State	YTD 1993	YTD 1992	YTD 1991	September 1993	August 1993	July 1993
Alabama	129,820	125,322	114,359	12,836	13,419	14,029
Alaska	56,861	57,904	58,438	7,052	4,919	6,934
Arizona	15,144	14,610	14,388	1,756	1,676	1,598
Arkansas	82,664	88,473	77,842	8,532	7,887	8,207
California	419,280	455,124	454,983	48,221	46,480	52,134
Colorado	65,027	40,464	41,629	6,901	6,431	6,778
Connecticut	27,075	26,926	23,413	NA	1,817	2,504
Delaware	14,814	12,618	12,106	1,818	1,658	1,604
District of Columbia	0	0	0	0	0	0
Florida	73,017	63,556	61,891	8,150	8,166	8,164
Georgia	125,088	129,987	124,647	13,314	14,733	14,267
Hawaii	0	0	0	0	0	0
Idaho	21,488	19,495	19,530	2,067	2,101	2,154
Illinois	220,968	217,826	218,209	20,875	17,810	19,314
Indiana	194,346	177,492	166,180	19,241	18,983	18,558
Iowa	74,591	73,149	70,996	8,367	8,174	7,164
Kansas	101,236	92,539	91,707	9,940	10,933	12,117
Kentucky	54,722	53,235	50,878	5,412	5,190	4,909
Louisiana	593,502	716,049	692,159	69,577	69,247	70,055
Maine	1,100	1,524	1,563	143	141	112
Maryland	35,245	36,784	34,957	3,601	3,892	3,374
Massachusetts	54,738	52,058	42,298	7,992	6,310	5,428
Michigan	237,006	225,595	203,340	22,359	23,408	22,728
Minnesota	66,216	68,151	68,152	6,428	6,152	6,189
Mississippi	85,534	77,142	76,347	8,590	10,343	9,573
Missouri	43,483	42,726	41,772	4,159	3,992	3,727
Montana	8,851	8,455	6,544	1,045	921	954
Nebraska	26,008	18,680	18,538	2,551	3,464	2,624
Nevada	26,597	6,826	5,000	3,249	3,209	3,322
New Hampshire	2,866	2,961	2,578	279	290	311
New Jersey	138,450	125,714	72,806	14,422	14,051	14,046
New Mexico	13,326	12,655	13,734	1,633	1,743	1,414
New York	113,124	108,106	86,248	10,931	10,394	9,984
North Carolina	69,821	67,416	62,046	7,202	7,905	6,829
North Dakota	4,610	4,361	3,447	522	411	421
Ohio	216,879	214,960	203,524	20,848	21,157	14,929
Oklahoma	131,467	132,145	133,950	13,978	15,069	13,959
Oregon	46,021	42,964	40,738	5,115	5,054	4,889
Pennsylvania	183,990	175,062	170,224	NA	17,884	17,968
Rhode Island	34,692	36,241	16,924	3,751	4,421	3,803
South Carolina	70,025	71,369	63,739	7,195	8,188	7,449
South Dakota	3,429	3,220	3,465	324	285	334
Tennessee	87,892	93,618	86,243	9,343	9,463	8,927
Texas	1,484,536	1,299,054	1,285,748	NA	157,355	167,329
Utah	33,037	28,347	29,271	2,714	3,167	2,826
Vermont	1,486	1,425	1,202	149	139	137
Virginia	73,758	52,619	45,548	6,802	11,058	10,951
Washington	68,913	58,881	57,585	7,486	7,438	7,134
West Virginia	35,899	31,824	30,145	3,557	3,730	3,815
Wisconsin	97,280	93,380	92,708	9,027	8,083	7,378
Wyoming	38,715	42,056	23,419	4,707	3,650	4,475
Total	5,804,440	5,601,087	5,312,963	675,078	612,391	617,831

See footnotes at end of table.

**Table 20. Natural Gas Deliveries to Industrial Consumers by State,
1992-1993 (Continued)
(Million Cubic Feet)**

State	June 1993	May 1993	April 1993	March 1993	February 1993	January 1993
Alabama	13,539	13,800	14,999	15,943	15,268	15,987
Alaska	5,517	5,906	6,220	6,258	6,298	7,757
Arizona	1,316	1,679	1,867	1,979	1,561	1,713
Arkansas	8,515	8,939	9,393	10,786	9,765	10,639
California	44,010	46,173	43,228	48,371	49,424	41,239
Colorado	7,245	7,322	7,372	7,220	7,683	8,075
Connecticut	2,619	2,737	3,176	3,903	4,043	3,590
Delaware	1,516	1,632	1,726	1,776	1,571	1,713
District of Columbia	0	0	0	0	0	0
Florida	8,044	8,210	7,917	8,362	7,983	8,022
Georgia	13,515	13,488	13,685	14,155	13,736	14,196
Hawaii	0	0	0	0	0	0
Idaho	2,307	2,272	2,383	2,759	2,718	2,726
Illinois	19,630	21,681	24,113	31,811	33,445	32,289
Indiana	19,517	19,866	21,485	25,813	25,146	25,736
Iowa	7,690	7,765	7,847	9,406	9,036	9,143
Kansas	10,374	10,749	10,619	11,489	12,998	12,017
Kentucky	5,146	5,351	6,128	7,429	7,801	7,356
Louisiana	63,367	60,391	64,569	65,052	63,341	67,902
Maine	69	80	142	136	126	152
Maryland	3,742	3,868	3,635	4,634	4,283	4,217
Massachusetts	6,288	5,846	5,305	5,911	5,694	5,963
Michigan	24,666	24,531	27,239	31,681	30,798	29,595
Minnesota	7,192	6,251	7,093	8,841	8,690	9,380
Mississippi	9,031	9,194	9,837	9,854	8,840	10,271
Missouri	4,098	4,188	4,947	6,015	5,789	6,568
Montana	780	755	931	1,192	1,067	1,206
Nebraska	2,276	2,294	3,653	2,747	2,663	3,737
Nevada	3,240	2,995	4,051	2,181	1,679	2,672
New Hampshire	297	375	366	325	304	318
New Jersey	14,198	14,283	16,500	16,846	16,874	17,230
New Mexico	1,335	1,315	1,533	1,416	1,458	1,480
New York	10,889	11,505	13,610	15,669	14,948	15,192
North Carolina	7,828	7,584	8,054	8,604	7,620	8,195
North Dakota	482	467	504	582	586	635
Ohio	22,180	22,139	26,126	30,726	29,475	29,299
Oklahoma	13,198	14,390	14,510	15,270	14,773	16,320
Oregon	4,725	5,009	5,329	5,457	4,878	5,565
Pennsylvania	19,245	18,966	20,885	24,765	23,606	23,571
Rhode Island	3,796	3,941	3,726	3,771	3,695	3,786
South Carolina	7,884	7,301	7,967	8,723	7,408	7,909
South Dakota	340	346	364	459	462	515
Tennessee	7,665	10,212	9,456	10,368	10,444	12,014
Texas	154,284	143,652	157,790	166,799	149,368	166,428
Utah	3,254	3,164	3,527	4,062	4,733	5,590
Vermont	136	159	173	191	187	215
Virginia	7,470	4,907	7,099	7,839	9,108	8,523
Washington	6,335	7,582	7,503	8,979	8,143	8,313
West Virginia	3,777	3,924	4,116	4,588	4,083	4,310
Wisconsin	8,031	8,792	12,166	14,082	14,459	15,263
Wyoming	4,123	4,737	4,461	3,404	4,306	4,852
Total	596,727	592,712	639,321	698,633	672,366	699,383

See footnotes at end of table.

**Table 20. Natural Gas Deliveries to Industrial Consumers by State,
1992-1993 (Continued)
(Million Cubic Feet)**

State	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992
Alabama	169,049	14,906	14,853	13,968	13,496	13,309
Alaska	80,938	7,887	7,337	7,810	4,841	5,355
Arizona	19,774	1,974	1,533	1,657	1,562	1,581
Arkansas	118,850	10,701	9,916	9,760	9,778	9,314
California	594,569	48,770	50,165	40,509	52,231	49,895
Colorado	57,579	6,583	5,439	5,093	4,660	4,044
Connecticut	36,383	3,490	3,102	2,867	2,732	2,643
Delaware	18,060	1,760	1,892	1,790	1,433	1,354
District of Columbia	0	0	0	0	0	0
Florida	84,829	7,792	7,151	6,330	6,536	6,619
Georgia	172,227	14,203	13,951	14,085	13,982	13,862
Hawaii	0	0	0	0	0	0
Idaho	27,044	2,615	2,502	2,351	1,895	1,857
Illinois	300,366	31,294	26,739	24,506	20,992	18,500
Indiana	245,523	24,807	22,453	20,770	18,229	16,896
Iowa	100,752	9,493	9,725	8,384	7,775	7,636
Kansas	130,807	12,952	12,023	13,293	9,933	9,956
Kentucky	73,619	7,162	6,649	6,574	5,308	5,401
Louisiana	932,467	72,036	71,738	72,644	64,894	73,865
Maine	2,048	165	207	152	164	162
Maryland	49,720	4,346	4,674	3,916	3,517	3,615
Massachusetts	70,872	6,530	6,385	5,899	6,004	5,995
Michigan	305,416	27,672	28,339	23,810	20,895	21,660
Minnesota	93,025	8,994	8,883	6,997	6,241	6,348
Mississippi	102,612	8,476	8,480	8,514	8,372	7,936
Missouri	58,466	5,823	5,291	4,626	3,958	4,132
Montana	12,218	1,280	1,345	1,138	1,071	904
Nebraska	26,451	3,015	2,529	2,226	2,111	1,966
Nevada	9,259	754	777	803	658	732
New Hampshire	3,828	292	305	270	336	333
New Jersey	174,569	16,237	17,046	15,572	14,276	14,687
New Mexico	17,070	1,533	1,389	1,493	1,238	1,260
New York	147,520	14,944	12,875	11,595	11,241	10,137
North Carolina	90,984	7,854	7,862	7,852	7,226	7,160
North Dakota	5,940	570	525	484	408	390
Ohio	294,805	29,294	26,573	23,979	21,158	19,914
Oklahoma	175,168	15,365	14,394	13,263	13,890	14,236
Oregon	58,519	4,908	5,103	5,544	5,437	5,229
Pennsylvania	236,708	21,697	21,164	18,784	17,389	16,876
Rhode Island	47,917	3,803	3,734	4,140	3,730	3,668
South Carolina	94,327	7,032	8,337	7,589	7,766	7,702
South Dakota	4,488	526	412	330	278	246
Tennessee	126,230	11,079	10,956	10,577	9,712	9,933
Texas	1,734,001	155,355	137,499	142,094	147,054	143,664
Utah	40,878	4,741	4,615	3,175	2,522	2,512
Vermont	1,958	196	169	167	145	130
Virginia	68,808	5,590	5,951	4,648	5,732	6,018
Washington	79,766	7,179	6,962	6,744	5,964	6,214
West Virginia	44,178	4,630	3,973	3,751	3,435	3,426
Wisconsin	130,267	14,008	12,610	10,269	8,636	8,127
Wyoming	56,046	4,677	4,419	4,894	4,864	4,551
Total	7,526,898	676,992	640,954	607,784	585,706	581,772

See footnotes at end of table.

**Table 20. Natural Gas Deliveries to Industrial Consumers by State,
1992-1993 (Continued)
(Million Cubic Feet)**

State	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	13,659	13,739	13,894	13,624	15,147	13,986
Alaska	6,968	6,317	6,902	6,896	6,561	6,910
Arizona	1,627	1,613	1,543	1,642	1,723	1,588
Arkansas	9,129	9,098	9,868	9,864	10,513	9,941
California	43,635	47,916	60,503	32,593	49,236	55,101
Colorado	4,197	4,173	3,949	4,555	4,597	5,035
Connecticut	2,522	2,621	2,775	3,241	3,672	3,376
Delaware	1,238	1,343	1,501	1,548	1,430	1,409
District of Columbia	0	0	0	0	0	0
Florida	6,606	6,991	7,389	7,303	7,293	6,908
Georgia	14,270	13,854	14,505	14,863	15,505	14,390
Hawaii	0	0	0	0	0	0
Idaho ^a	1,975	2,241	2,286	2,243	2,464	2,244
Illinois	19,944	18,988	22,957	25,873	29,274	29,992
Indiana	17,145	17,745	18,817	19,954	22,941	22,081
Iowa	8,064	7,792	7,771	8,161	8,801	8,350
Kansas	10,029	9,699	9,303	10,097	11,009	10,345
Kentucky	4,797	5,273	5,449	6,023	6,715	6,823
Louisiana	80,422	74,285	78,686	87,445	87,311	81,119
Maine	161	157	172	219	203	159
Maryland	3,825	3,603	3,785	4,419	5,128	4,435
Massachusetts	4,698	6,041	6,524	7,528	4,978	5,545
Michigan	20,153	22,387	24,900	28,501	30,508	29,056
Minnesota	6,436	6,144	6,951	7,863	8,665	9,635
Mississippi	8,302	8,251	8,453	8,936	9,453	7,916
Missouri	3,908	4,084	4,268	5,027	5,533	5,483
Montana	883	782	841	870	861	1,096
Nebraska	1,917	2,197	1,710	2,172	2,015	2,350
Nevada	718	783	821	814	821	704
New Hampshire	302	300	312	422	315	331
New Jersey	14,037	14,027	13,014	14,133	13,905	13,898
New Mexico	1,038	1,004	1,323	1,563	1,468	1,819
New York	10,465	10,805	11,273	12,441	14,028	13,968
North Carolina	6,663	7,088	7,410	7,565	8,652	7,935
North Dakota	438	420	469	472	608	528
Ohio	19,985	21,123	22,201	26,498	26,339	28,592
Oklahoma	14,509	13,932	14,326	14,259	15,820	15,250
Oregon	4,923	4,296	3,796	3,926	4,352	5,507
Pennsylvania	17,173	16,470	18,523	20,700	22,389	22,868
Rhode Island	4,209	4,241	4,017	4,321	3,999	4,323
South Carolina	7,890	8,110	8,183	8,128	8,921	7,635
South Dakota	356	323	346	418	435	439
Tennessee	10,197	9,366	9,693	11,278	10,643	11,027
Texas	146,392	138,927	147,828	145,134	150,805	125,335
Utah	2,538	2,771	2,632	2,997	3,701	3,667
Vermont	119	128	149	141	223	200
Virginia	7,366	4,886	5,300	5,618	6,205	5,916
Washington	5,717	5,900	6,222	6,616	7,073	7,401
West Virginia	3,209	3,403	3,431	3,697	3,943	3,574
Wisconsin	7,610	7,867	8,838	11,327	13,286	13,093
Wyoming	4,841	4,976	4,667	4,366	4,605	4,618
Total	567,203	578,480	620,479	628,092	673,883	644,100

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components. Deliveries for total year 1992 do not equal the sum of the twelve months.

^R = Revised Data.

^{NA} = Not Available.

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

Source: Form EIA-857.

Table 21. Natural Gas Deliveries to Electric Utility* Consumers by State, 1992-1993
(Million Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	September 1993	August 1993	July 1993
Alabama	3,858	2,582	3,136	213	603	1,444
Alaska	19,687	20,962	24,026	2,017	1,794	1,790
Arizona	16,193	27,383	17,030	1,816	4,184	2,590
Arkansas	14,871	25,828	25,686	3,349	4,587	3,846
California	322,103	414,234	316,602	43,805	44,724	31,247
Colorado	3,656	3,604	3,739	378	338	470
Connecticut	504	2,035	3,964	22	152	194
Delaware	4,877	6,837	11,806	531	1,095	1,231
District of Columbia	0	0	0	0	0	0
Florida	139,579	167,272	155,788	17,684	20,015	19,776
Georgia	2,914	1,072	750	103	670	1,554
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	9,890	8,342	10,427	1,272	3,369	1,951
Indiana	4,169	6,264	6,796	250	788	611
Iowa	3,773	1,666	2,782	191	1,589	835
Kansas	18,134	12,082	30,588	1,708	5,391	5,219
Kentucky	207	207	176	54	26	24
Louisiana	188,893	211,325	203,669	27,395	39,699	36,385
Maine	0	0	0	0	0	0
Maryland	7,211	10,010	14,153	1,194	1,563	2,097
Massachusetts	24,287	30,528	33,025	2,854	4,857	4,400
Michigan	14,794	19,512	17,388	930	2,691	2,153
Minnesota	2,863	4,130	4,842	524	804	287
Mississippi	30,486	49,095	52,356	3,238	6,671	7,334
Missouri	4,274	2,133	11,956	176	2,204	1,305
Montana	153	133	203	2	52	34
Nebraska	1,597	1,366	2,304	82	399	454
Nevada	16,729	21,143	17,335	1,977	2,657	2,613
New Hampshire	136	617	0	0	0	3
New Jersey	31,937	35,320	55,778	3,479	7,797	11,574
New Mexico	22,028	17,835	21,499	2,239	3,097	3,149
New York	141,375	173,096	166,694	15,431	21,138	25,852
North Carolina	2,549	2,698	2,411	229	564	720
North Dakota	1	1	0	0	0	0
Ohio	2,532	2,596	2,456	76	469	399
Oklahoma	120,268	121,046	133,087	13,054	22,607	20,634
Oregon	9,064	10,126	5,112	1,638	2,234	0
Pennsylvania	6,914	2,428	1,613	369	932	1,206
Rhode Island	251	469	1,482	30	87	52
South Carolina	1,818	1,685	9,796	132	417	806
South Dakota	100	11	170	4	78	1
Tennessee	1,524	237	121	15	386	904
Texas	841,004	747,120	772,664	107,761	142,579	135,348
Utah	4,648	5,231	3,345	414	390	368
Vermont	245	649	969	0	0	129
Virginia	15,047	10,062	7,787	1,956	2,404	2,350
Washington	4,577	4,948	57	6	5	4
West Virginia	103	178	104	6	27	7
Wisconsin	2,465	2,098	2,150	207	559	245
Wyoming	73	60	57	1	5	6
Total	2,064,340	2,188,064	2,157,877	258,812	356,695	333,405

See footnotes at end of table.

Table 21. Natural Gas Deliveries to Electric Utility^a Consumers by State, 1992-1993 (Continued)
(Million Cubic Feet)

State	June 1993	May 1993	April 1993	March 1993	February 1993	January 1993
Alabama	418	266	144	215	306	249
Alaska	2,027	2,105	2,155	2,482	2,535	2,781
Arizona	1,397	1,765	1,402	1,921	588	530
Arkansas	1,848	267	311	280	283	322
California	31,453	17,816	32,390	36,720	40,118	41,829
Colorado	398	278	354	514	394	531
Connecticut	13	8	10	20	62	25
Delaware	953	272	322	253	55	164
District of Columbia	0	0	0	0	0	0
Florida	18,980	16,262	12,549	12,232	11,459	10,621
Georgia	398	74	33	22	49	12
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,089	377	445	482	396	509
Indiana	245	273	437	457	450	658
Iowa	176	233	238	169	106	236
Kansas	2,037	846	649	920	670	694
Kentucky	22	19	27	11	12	12
Louisiana	26,473	13,920	10,869	14,087	9,246	10,820
Maine	0	0	0	0	0	0
Maryland	647	385	187	560	349	229
Massachusetts	2,606	2,513	3,815	2,955	128	138
Michigan	1,685	1,345	925	1,380	1,904	1,781
Minnesota	282	297	185	164	144	176
Mississippi	3,987	2,968	1,335	2,114	1,249	1,591
Missouri	224	54	63	113	75	59
Montana	13	13	4	15	16	4
Nebraska	114	137	148	111	48	104
Nevada	1,852	2,157	1,695	2,305	926	547
New Hampshire	36	91	6	0	0	0
New Jersey	4,252	1,278	329	1,508	1,383	338
New Mexico	2,710	2,067	2,811	2,793	1,699	1,483
New York	19,450	12,276	14,335	12,983	9,569	10,543
North Carolina	323	100	99	141	205	167
North Dakota	0	0	0	0	0	0
Ohio	149	135	102	417	432	352
Oklahoma	13,982	10,542	10,485	10,268	9,249	9,447
Oregon	15	0	0	1,990	2,074	1,113
Pennsylvania	814	211	337	1,133	1,156	757
Rhode Island	82	0	0	0	0	0
South Carolina	311	24	21	69	20	17
South Dakota	1	2	0	10	2	0
Tennessee	132	15	14	15	21	20
Texas	111,153	74,821	71,510	75,318	59,828	62,686
Utah	422	507	592	697	557	700
Vermont	79	18	15	1	1	1
Virginia	1,229	174	1,317	1,776	1,978	1,862
Washington	0	0	683	1,838	1,896	147
West Virginia	13	4	11	6	19	10
Wisconsin	297	222	343	318	130	143
Wyoming	13	7	7	15	8	10
Total	254,601	167,146	173,709	193,795	161,778	164,400

See footnotes at end of table.

Table 21. Natural Gas Deliveries to Electric Utility* Consumers by State, 1992-1993 (Continued)
(Million Cubic Feet)

State	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992
Alabama	3,368	171	382	234	305	296
Alaska	28,953	2,721	2,756	2,514	2,311	2,374
Arizona	30,939	328	597	2,631	4,607	5,277
Arkansas	27,015	248	209	733	2,324	2,828
California	564,432	47,146	50,027	53,026	53,989	66,474
Colorado	5,019	526	396	493	469	479
Connecticut	2,100	28	18	19	14	291
Delaware	8,384	580	586	581	851	1,140
District of Columbia	0	0	0	0	0	0
Florida	202,576	10,390	12,389	12,525	21,038	20,829
Georgia	1,162	13	12	65	66	120
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	9,293	370	279	301	554	589
Indiana	7,772	824	525	158	301	370
Iowa	2,265	193	207	200	135	277
Kansas	13,981	809	534	546	1,395	2,036
Kentucky	269	20	23	19	23	28
Louisiana	254,922	11,705	13,510	18,382	23,855	26,733
Maine	0	0	0	0	0	0
Maryland	11,575	430	469	665	1,228	1,457
Massachusetts	38,341	227	3,903	3,683	4,664	4,803
Michigan	24,908	1,727	1,994	1,675	1,738	2,421
Minnesota	4,906	231	336	210	440	473
Mississippi	54,180	1,625	1,843	1,616	5,419	5,359
Missouri	2,351	67	85	67	86	200
Montana	220	8	47	32	10	20
Nebraska	1,903	136	191	210	280	85
Nevada	24,355	436	808	1,968	2,761	3,829
New Hampshire	633	0	0	16	499	118
New Jersey	38,772	681	1,209	1,562	3,860	6,351
New Mexico	22,466	1,408	1,440	1,803	2,183	2,584
New York	208,731	10,640	11,888	13,307	21,641	22,006
North Carolina	3,159	169	165	127	336	361
North Dakota	1	0	0	0	0	0
Ohio	2,956	53	90	217	243	288
Oklahoma	148,980	10,120	8,514	9,300	15,806	15,714
Oregon	14,264	977	1,373	1,789	2,045	1,854
Pennsylvania	3,100	262	148	262	274	320
Rhode Island	469	0	0	0	11	78
South Carolina	1,795	5	82	22	42	82
South Dakota	48	9	27	2	1	5
Tennessee	291	25	10	18	15	7
Texas	968,165	68,751	72,018	80,276	95,796	99,748
Utah	6,576	542	138	665	542	550
Vermont	801	1	28	122	2	34
Virginia	10,936	839	11	25	714	945
Washington	5,385	9	4	426	523	2,698
West Virginia	201	8	9	6	18	24
Wisconsin	2,584	146	207	134	249	178
Wyoming	83	7	8	8	6	5
Total	2,765,608	175,608	189,296	212,640	273,670	302,544

See footnotes at end of table.

Table 21. Natural Gas Deliveries to Electric Utility^a Consumers by State, 1992-1993 (Continued)
(Million Cubic Feet)

State	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	322	307	350	216	315	204
Alaska	2,342	2,204	2,116	2,410	2,449	2,258
Arizona	3,999	2,778	3,300	2,300	1,953	1,719
Arkansas	4,145	3,788	3,881	4,068	2,403	2,080
California	51,011	36,892	41,687	43,478	42,382	39,134
Colorado	570	355	357	243	494	309
Connecticut	407	316	131	391	424	28
Delaware	971	1,034	598	593	526	467
District of Columbia	0	0	0	0	0	0
Florida	21,946	21,623	19,942	18,239	17,249	14,042
Georgia	654	75	24	106	14	10
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	854	998	955	943	1,720	860
Indiana	488	760	1,056	605	535	1,030
Iowa	262	208	155	195	157	182
Kansas	2,833	1,388	1,385	910	717	694
Kentucky	23	28	16	23	16	14
Louisiana	33,952	30,520	26,127	22,298	20,481	13,176
Maine	0	0	0	0	0	0
Maryland	3,004	1,367	974	772	694	244
Massachusetts	7,643	5,418	3,630	3,795	463	54
Michigan	1,449	1,473	2,126	2,516	3,171	2,574
Minnesota	509	491	352	316	508	703
Mississippi	7,189	5,227	6,629	5,878	5,152	5,439
Missouri	1,025	131	176	79	186	143
Montana	29	20	26	11	7	4
Nebraska	153	139	111	211	213	76
Nevada	3,491	3,091	2,681	2,152	1,499	1,093
New Hampshire	0	0	0	0	0	0
New Jersey	12,179	3,330	1,794	3,878	2,975	487
New Mexico	2,532	1,911	2,444	1,981	1,288	1,308
New York	25,124	23,875	20,936	18,809	17,363	13,500
North Carolina	614	341	180	159	206	233
North Dakota	0	0	0	0	0	1
Ohio	264	173	339	409	309	259
Oklahoma	17,018	14,312	13,004	13,852	12,412	9,258
Oregon	1,437	661	0	0	0	2,005
Pennsylvania	824	345	129	138	178	126
Rhode Island	80	90	78	90	43	0
South Carolina	525	202	10	13	793	3
South Dakota	0	1	1	0	1	0
Tennessee	40	35	33	37	48	5
Texas	120,114	97,150	76,427	74,644	66,472	54,754
Utah	517	509	627	642	647	573
Vermont	186	160	122	122	20	1
Virginia	2,408	1,014	909	1,036	805	1,111
Washington	185	1,028	195	293	6	7
West Virginia	26	47	28	7	5	5
Wisconsin	219	259	269	345	351	116
Wyoming	5	8	4	12	6	5
Total	333,567	265,882	236,316	229,012	207,656	170,293

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

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

Source: Form EIA-759.

Table 22. Natural Gas Deliveries to All Consumers by State, 1992-1993
(Million Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	September 1993	August 1993	July 1993
Alabama	192,036	183,748	168,882	15,312	16,445	18,003
Alaska	100,692	104,074	105,153	10,694	8,073	10,065
Arizona	72,718	82,762	78,106	5,956	8,272	6,686
Arkansas	152,888	161,368	152,075	14,107	14,534	14,172
California	1,303,076	1,428,063	1,361,409	134,258	129,541	126,878
Colorado	200,510	159,241	167,514	13,382	11,547	12,575
Connecticut	79,668	81,135	73,595	NA	3,736	4,698
Delaware	29,949	29,178	32,557	2,487	3,073	3,182
District of Columbia	24,939	24,744	23,535	1,101	1,111	1,090
Florida	254,106	273,342	256,114	29,382	31,627	31,533
Georgia	246,739	240,877	225,070	16,773	20,839	21,434
Hawaii	2,018	2,031	2,022	211	211	220
Idaho	38,041	31,776	33,688	2,759	2,714	2,840
Illinois	707,820	670,443	664,777	44,706	36,555	37,522
Indiana	364,604	336,110	319,023	25,857	24,644	24,110
Iowa	171,969	154,572	158,892	12,338	12,498	10,780
Kansas	226,882	193,300	220,632	15,925	21,427	22,714
Kentucky	124,504	117,982	112,520	8,100	7,365	7,260
Louisiana	842,904	988,776	954,211	100,159	112,063	109,821
Maine	3,330	3,795	3,417	248	230	205
Maryland	128,948	130,969	125,182	8,597	8,909	8,909
Massachusetts	217,870	220,782	193,310	16,845	16,770	15,948
Michigan	639,199	621,216	576,884	38,968	37,352	36,414
Minnesota	213,781	202,960	208,361	13,409	11,528	11,217
Mississippi	152,023	158,745	160,277	13,570	18,627	18,709
Missouri	200,189	170,364	185,540	9,679	10,669	9,995
Montana	32,493	26,681	28,113	2,318	1,918	2,030
Nebraska	92,792	70,837	82,412	4,946	7,159	5,435
Nevada	71,357	52,825	49,319	6,788	7,418	7,455
New Hampshire	12,373	12,801	10,505	620	585	639
New Jersey	415,221	399,854	343,550	28,472	30,366	36,709
New Mexico	79,180	73,482	76,136	6,523	7,076	6,836
New York	700,024	722,529	645,472	46,090	51,140	58,145
North Carolina	133,827	126,984	116,448	9,767	10,646	9,694
North Dakota	19,871	17,755	17,992	1,173	915	1,006
Ohio	580,431	566,212	531,458	33,331	31,971	26,466
Oklahoma	341,188	325,770	345,298	30,127	40,734	37,774
Oregon	94,133	82,499	82,547	8,384	8,799	6,571
Pennsylvania	476,016	461,396	431,792	NA	28,361	28,273
Rhode Island	56,529	58,562	37,530	4,511	5,344	4,685
South Carolina	102,003	101,325	98,845	8,545	9,812	9,483
South Dakota	19,854	16,341	17,640	1,084	892	933
Tennessee	168,278	163,947	154,158	12,487	12,695	12,845
Texas	2,643,156	2,331,154	2,345,788	NA	322,354	326,750
Utah	88,950	76,266	83,638	5,019	5,324	5,199
Vermont	5,341	5,649	5,216	282	251	379
Virginia	173,710	142,728	123,659	12,276	16,904	16,708
Washington	144,445	118,905	122,190	10,742	10,477	10,410
West Virginia	78,405	75,578	67,909	5,385	5,384	5,257
Wisconsin	244,353	227,142	225,984	15,612	13,108	12,127
Wyoming	54,776	55,126	38,601	5,438	4,309	5,184
Total	13,520,110	13,084,881	12,642,941	1,198,319	1,204,323	1,203,976

See footnotes at end of tables.

Table 22. Natural Gas Deliveries to All Consumers by State, 1992-1993 (Continued)
(Million Cubic Feet)

State	June 1993	May 1993	April 1993	March 1993	February 1993	January 1993
Alabama	16,792	18,470	23,361	28,481	27,321	27,851
Alaska	9,176	10,344	11,527	12,263	13,443	15,106
Arizona	5,857	6,603	7,666	11,052	9,239	11,189
Arkansas	12,546	12,998	17,589	21,788	21,311	23,843
California	117,559	112,908	131,584	161,093	189,324	199,930
Colorado	14,780	18,440	24,183	32,278	34,279	39,036
Connecticut	4,901	6,085	10,048	14,381	16,223	14,740
Delaware	2,850	2,632	3,633	4,363	3,818	3,910
District of Columbia	1,265	1,955	3,158	4,982	5,209	5,068
Florida	30,864	28,777	25,794	26,562	25,346	24,221
Georgia	19,583	21,088	27,838	37,618	39,772	39,794
Hawaii	231	213	225	230	242	236
Idaho	3,029	3,530	4,256	5,760	6,353	6,799
Illinois	38,542	48,068	84,599	127,983	138,006	151,839
Indiana	26,165	29,387	42,797	61,168	63,379	67,096
Iowa	11,735	13,485	20,005	27,943	29,976	33,211
Kansas	17,117	19,246	25,517	32,681	34,734	37,520
Kentucky	8,333	8,617	14,102	21,883	24,630	24,212
Louisiana	93,514	79,003	83,399	90,160	84,210	90,574
Maine	179	226	405	542	643	652
Maryland	8,876	9,765	14,160	23,593	23,913	22,426
Massachusetts	16,486	19,701	28,688	36,093	34,489	32,850
Michigan	43,655	52,883	80,931	112,353	116,586	118,057
Minnesota	13,572	15,490	25,245	36,827	40,247	48,446
Mississippi	14,925	14,729	15,877	19,025	17,426	19,136
Missouri	10,290	15,888	24,833	37,569	37,994	43,272
Montana	1,869	2,451	3,752	5,549	5,287	7,319
Nebraska	5,167	6,122	11,692	14,646	15,195	22,429
Nevada	7,057	7,583	8,566	9,222	7,878	9,390
New Hampshire	749	1,111	1,705	2,245	2,359	2,361
New Jersey	29,678	31,501	50,161	69,180	72,918	66,236
New Mexico	6,571	6,812	9,476	11,053	11,333	13,499
New York	55,263	55,661	87,239	118,222	116,377	113,887
North Carolina	10,613	11,456	16,490	21,815	21,197	22,149
North Dakota	1,179	1,512	2,511	3,383	3,566	4,606
Ohio	39,320	42,332	73,165	108,821	114,755	110,270
Oklahoma	30,976	30,924	36,806	43,651	42,702	47,495
Oregon	6,694	8,225	9,787	14,168	14,890	16,613
Pennsylvania	33,049	35,893	57,915	87,765	90,843	85,337
Rhode Island	4,882	5,487	6,833	8,388	8,381	8,017
South Carolina	9,552	9,259	12,000	15,180	13,789	14,382
South Dakota	1,054	1,485	2,513	3,492	3,746	4,856
Tennessee	11,173	15,132	19,743	27,608	27,107	29,487
Texas	289,348	243,669	263,722	288,382	265,219	295,743
Utah	6,081	7,800	10,099	14,043	16,641	18,744
Vermont	380	438	658	976	1,003	975
Virginia	12,478	10,309	19,033	27,271	30,286	28,446
Washington	10,932	13,570	16,769	22,830	23,248	25,468
West Virginia	5,833	6,795	9,844	13,771	13,521	12,615
Wisconsin	14,647	17,976	32,018	43,020	44,657	51,188
Wyoming	5,012	6,152	6,462	6,266	7,409	8,547
Total	1,142,188	1,150,197	1,520,579	1,968,418	2,012,239	2,118,873

See footnotes at end of tables.

Table 22. Natural Gas Deliveries to All Consumers by State, 1992-1993 (Continued)
(Million Cubic Feet)

State	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992
Alabama	247,295	25,675	20,620	17,250	16,309	15,994
Alaska	145,541	14,680	13,463	13,323	9,049	9,181
Arizona	106,234	10,994	5,564	6,868	8,640	9,178
Arkansas	210,653	20,728	15,335	13,222	14,227	14,288
California	1,923,573	199,920	158,481	137,081	147,435	160,041
Colorado	223,656	33,143	19,036	12,212	10,084	9,145
Connecticut	110,715	13,243	9,619	6,718	4,975	4,991
Delaware	39,604	4,005	3,502	2,919	2,629	2,825
District of Columbia	32,690	4,135	2,416	1,395	1,100	1,093
Florida	343,521	23,862	23,814	22,494	31,059	30,956
Georgia	335,464	40,414	31,537	22,635	19,721	19,466
Hawaii	2,695	234	221	210	221	215
Idaho	45,635	6,119	4,415	3,244	2,538	2,171
Illinois	981,991	140,871	104,726	65,944	41,922	36,285
Indiana	478,765	61,989	47,066	33,542	24,622	22,532
Iowa	223,992	30,340	24,125	14,953	11,228	10,838
Kansas	270,284	34,037	23,526	19,422	16,258	17,192
Kentucky	171,218	23,317	17,733	12,206	7,952	8,003
Louisiana	1,271,064	95,726	91,729	94,825	92,270	103,989
Maine	5,129	561	464	309	249	236
Maryland	178,881	20,908	15,894	11,110	8,387	8,727
Massachusetts	293,238	27,879	25,675	18,700	16,790	16,884
Michigan	862,217	103,987	80,909	56,101	37,489	37,701
Minnesota	293,873	40,563	31,602	18,748	12,333	11,642
Mississippi	201,221	16,866	13,740	12,051	15,494	14,978
Missouri	238,435	35,337	21,055	11,679	9,009	9,007
Montana	40,671	6,448	4,455	3,085	2,330	1,675
Nebraska	104,258	15,177	11,269	6,974	5,197	5,428
Nevada	67,912	6,663	3,833	4,579	4,899	5,714
New Hampshire	16,771	1,756	1,346	868	1,161	759
New Jersey	542,695	60,941	47,235	34,665	28,937	30,937
New Mexico	98,881	12,300	7,091	6,002	5,851	6,218
New York	952,161	101,107	72,124	56,395	52,470	51,248
North Carolina	173,156	19,783	14,484	11,893	10,047	9,863
North Dakota	25,397	3,592	2,529	1,518	1,057	866
Ohio	799,093	102,688	75,938	54,217	33,930	31,699
Oklahoma	425,195	42,892	30,238	26,249	32,711	32,953
Oregon	115,469	13,388	10,121	9,455	8,993	8,391
Pennsylvania	640,593	76,932	58,902	43,339	29,191	27,230
Rhode Island	77,476	7,158	6,108	5,639	4,698	4,667
South Carolina	135,157	12,911	11,513	9,406	9,092	9,051
South Dakota	24,454	3,807	2,810	1,490	918	789
Tennessee	225,275	27,075	19,403	14,849	12,760	12,672
Texas	3,101,526	281,632	246,108	242,627	261,956	263,931
Utah	108,755	16,360	9,926	6,188	4,790	4,689
Vermont	7,598	775	613	561	277	288
Virginia	192,932	22,720	16,229	11,255	9,816	10,424
Washington	166,092	20,827	14,620	11,646	9,531	11,383
West Virginia	104,089	12,180	9,194	7,138	5,182	4,967
Wisconsin	327,599	44,320	33,967	22,141	14,068	12,581
Wyoming	75,044	7,758	6,257	5,892	5,517	5,103
Total	17,785,833	1,950,542	1,522,779	1,227,238	1,117,381	1,131,083

See footnotes at end of tables.

Table 22. Natural Gas Deliveries to All Consumers by State, 1992-1993 (Continued)
(Million Cubic Feet)

State	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	16,511	17,043	18,471	21,138	23,738	27,290
Alaska	10,869	10,355	11,827	12,386	13,093	13,473
Arizona	8,263	7,277	7,670	8,607	10,163	10,538
Arkansas	15,530	15,364	16,961	19,874	19,929	22,606
California	138,193	130,858	157,730	131,762	162,890	179,643
Colorado	10,006	11,545	12,943	19,552	24,198	29,194
Connecticut	5,100	5,480	7,102	10,857	13,813	14,349
Delaware	2,571	2,877	2,935	3,626	3,801	4,049
District of Columbia	1,187	1,394	2,005	3,594	4,304	5,085
Florida	32,201	32,431	31,649	30,622	29,876	27,659
Georgia	20,629	20,062	22,350	26,709	34,065	35,884
Hawaii	218	230	224	229	222	231
Idaho	2,553	2,830	3,178	3,616	4,242	4,772
Illinois	37,000	37,856	55,272	85,186	113,581	120,366
Indiana	22,927	25,135	30,857	40,824	50,877	55,395
Iowa	10,972	11,613	13,137	19,096	22,389	26,879
Kansas	18,403	18,510	18,212	22,495	23,989	27,840
Kentucky	7,213	8,268	9,691	12,836	18,418	20,106
Louisiana	117,997	108,657	109,381	116,654	116,184	107,518
Maine	264	274	395	545	640	617
Maryland	10,535	9,331	11,158	16,084	20,612	22,844
Massachusetts	18,866	19,048	23,079	31,756	30,370	33,402
Michigan	35,356	41,669	58,977	85,208	102,761	109,277
Minnesota	11,892	12,233	16,041	26,087	33,315	37,318
Mississippi	17,272	15,329	17,363	18,727	19,214	20,500
Missouri	9,713	10,600	13,446	21,751	26,101	33,119
Montana	1,761	1,720	2,273	3,182	3,587	4,745
Nebraska	5,483	4,977	5,622	8,555	9,903	12,142
Nevada	5,896	5,514	5,317	5,695	6,139	6,281
New Hampshire	640	727	1,149	1,817	1,946	2,350
New Jersey	36,695	28,817	34,881	52,289	60,519	63,790
New Mexico	5,700	5,208	6,969	8,639	9,327	11,946
New York	55,424	58,065	69,561	95,837	112,631	116,379
North Carolina	9,704	10,463	12,017	15,528	18,034	20,600
North Dakota	977	1,029	1,615	2,411	2,818	3,364
Ohio	32,638	36,649	47,271	74,144	92,646	103,925
Oklahoma	34,883	32,332	32,334	36,829	38,920	40,472
Oregon	7,755	6,614	6,215	7,359	8,754	13,200
Pennsylvania	28,178	29,383	39,434	59,291	76,315	84,289
Rhode Island	5,376	5,600	6,217	7,729	7,948	8,543
South Carolina	9,659	9,853	10,294	11,871	14,109	13,866
South Dakota	912	947	1,444	2,242	2,644	3,109
Tennessee	13,194	12,854	14,348	20,379	21,762	26,715
Texas	288,393	255,732	247,119	248,887	254,408	232,147
Utah	4,671	5,260	5,887	7,978	11,082	14,524
Vermont	436	435	534	778	930	981
Virginia	13,355	9,960	12,766	17,060	20,949	23,823
Washington	8,387	10,143	11,137	13,824	15,652	18,213
West Virginia	4,730	5,554	6,876	10,065	11,262	13,376
Wisconsin	12,191	13,793	19,112	30,455	38,500	40,566
Wyoming	5,432	5,723	5,723	5,997	6,579	7,194
Total	1,174,910	1,131,621	1,277,970	1,538,641	1,770,147	1,876,291

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Deliveries for total year 1992 may not equal the sum of the twelve months. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form EIA-857 and Form EIA-759.

Table 23. Average City Gate Price by State, 1992-1993
(Dollars per Thousand Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	September 1993	August 1993	July 1993	June 1993	May 1993
Alabama	3.51	3.09	3.10	4.11	3.96	3.83	3.98	3.88
Alaska	.34	.34	.33	.33	.41	.33	.33	.33
Arizona	2.62	2.19	2.46	3.10	3.07	3.03	2.92	3.23
Arkansas	2.58	2.58	2.48	2.72	2.71	2.49	2.44	2.65
California	2.84	2.67	2.75	3.09	2.78	2.81	2.84	2.97
Colorado	2.85	2.88	2.91	3.13	3.46	3.35	3.59	3.02
Connecticut	3.97	3.72	3.55	3.56	4.90	5.37	4.61	5.51
Delaware	3.26	2.53	2.43	3.56	2.98	3.15	3.52	3.52
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.77	2.43	2.46	2.80	2.76	2.57	2.81	2.89
Georgia	3.75	3.17	3.41	4.58	4.17	4.06	4.25	4.62
Hawaii	5.79	7.67	8.69	5.17	5.18	5.46	5.62	5.72
Idaho	2.14	2.25	2.18	2.46	2.54	2.92	2.39	2.24
Illinois	3.38	3.03	2.84	3.37	3.25	3.28	3.18	3.40
Indiana	3.19	2.93	3.02	3.47	3.55	3.40	3.42	3.74
Iowa	3.26	3.07	2.67	3.80	3.44	3.52	3.60	4.28
Kansas	2.79	2.47	2.54	2.79	2.44	2.74	2.37	2.48
Kentucky	3.22	2.85	2.83	3.25	3.05	3.00	3.43	3.94
Louisiana	2.68	2.29	2.58	2.74	2.74	2.69	2.77	3.23
Maine	3.83	2.98	2.93	4.31	4.20	4.77	4.67	3.67
Maryland	3.60	3.05	3.01	5.01	5.27	5.41	5.85	4.98
Massachusetts	4.08	3.35	3.30	4.37	4.72	4.77	4.81	4.42
Michigan	2.91	2.97	3.08	2.96	2.79	2.60	2.77	3.17
Minnesota	3.11	2.70	2.58	3.41	3.39	3.48	3.46	3.82
Mississippi	2.81	2.41	2.52	3.42	3.00	2.89	3.00	3.41
Missouri	3.25	2.77	2.87	3.88	3.79	3.63	3.81	3.89
Montana	3.30	3.77	3.79	4.01	4.53	4.44	4.47	4.11
Nebraska	3.21	2.75	2.73	6.24	3.51	3.37	3.49	3.94
Nevada	3.05	2.35	2.38	4.49	4.75	3.74	3.55	3.73
New Hampshire	3.78	3.45	3.34	4.37	4.40	4.55	4.46	3.86
New Jersey	3.57	3.08	3.11	3.84	4.30	4.69	4.18	4.26
New Mexico	2.44	2.06	2.54	2.23	2.10	1.86	2.36	2.71
New York	3.32	2.82	2.88	3.66	3.25	3.49	3.73	4.08
North Carolina	3.22	2.69	2.68	3.52	3.53	3.74	3.57	3.65
North Dakota	3.35	3.40	3.54	3.66	4.45	4.57	4.21	4.05
Ohio	3.63	3.07	3.08	3.76	3.85	3.82	4.23	4.27
Oklahoma	2.37	2.09	1.94	2.40	2.00	1.80	2.10	2.54
Oregon	2.35	2.33	2.38	2.52	2.61	2.51	2.83	2.74
Pennsylvania	3.47	3.16	3.32	4.51	4.43	3.97	4.70	4.19
Rhode Island	4.43	3.69	3.63	7.37	6.64	7.73	6.17	6.59
South Carolina	3.58	3.06	2.84	4.02	4.18	4.25	3.93	4.20
South Dakota	3.40	3.06	3.16	3.61	4.69	4.42	4.31	4.31
Tennessee	3.17	2.67	2.66	3.70	3.38	3.34	3.39	3.80
Texas	3.24	2.86	2.82	3.39	3.16	3.04	3.14	3.36
Utah	3.00	4.42	4.10	2.20	2.30	2.89	2.71	5.61
Vermont	3.05	2.99	2.87	3.80	4.38	3.78	3.99	3.85
Virginia	3.29	2.65	2.68	3.41	3.41	3.29	3.43	3.73
Washington	2.24	1.81	1.86	2.89	2.35	2.37	2.56	2.52
West Virginia	3.21	3.02	3.58	5.68	6.82	5.73	4.77	1.94
Wisconsin	3.80	3.31	3.17	5.25	6.22	5.71	5.85	5.43
Wyoming	2.86	3.06	3.20	2.49	2.86	3.05	3.04	3.77
Total	3.21	2.87	2.87	3.52	3.35	3.34	3.44	3.58

See footnotes at end of table.

Table 23. Average City Gate Price by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	April 1993	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992	October 1992
Alabama	3.38	3.16	3.37	3.33	3.21	3.43	3.44	3.91
Alaska	.33	.33	.33	.33	.34	.33	.33	.33
Arizona	2.00	2.50	2.28	2.63	2.33	2.55	2.69	2.64
Arkansas	2.80	2.63	2.45	2.62	2.60	2.64	2.71	2.49
California	2.86	2.90	2.69	2.74	2.72	2.75	2.91	2.92
Colorado	2.78	2.57	2.67	2.80	2.86	2.81	2.74	2.98
Connecticut	4.32	3.31	3.27	3.70	3.73	3.59	3.80	4.02
Delaware	3.33	3.22	3.03	3.13	2.83	3.53	3.93	3.74
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.90	2.64	2.63	2.90	2.61	3.07	3.19	3.16
Georgia	3.44	3.25	3.48	3.79	3.28	3.51	3.27	3.93
Hawaii	5.69	5.46	7.01	6.49	7.72	7.59	7.81	8.17
Idaho	1.89	2.12	1.97	2.03	2.18	2.06	1.99	2.37
Illinois	3.43	3.26	3.48	3.75	3.20	3.53	3.47	3.60
Indiana	3.14	2.91	2.83	3.04	3.08	3.26	3.33	3.69
Iowa	3.55	2.94	2.81	3.02	3.20	3.21	3.44	3.97
Kansas	2.54	3.18	2.66	3.06	2.50	2.48	2.79	2.33
Kentucky	3.28	3.24	3.10	3.13	3.02	3.26	3.28	3.53
Louisiana	2.78	2.59	2.38	2.59	2.48	2.82	2.83	3.24
Maine	3.31	3.66	3.53	3.69	3.17	4.00	3.41	3.45
Maryland	3.80	2.90	2.89	3.02	3.20	3.17	3.66	3.91
Massachusetts	3.92	3.94	3.53	3.81	3.52	3.89	3.95	3.88
Michigan	2.82	2.84	2.90	3.43	3.04	3.16	3.33	3.31
Minnesota	2.98	2.94	2.78	2.97	2.92	3.32	3.31	3.57
Mississippi	2.89	2.61	2.44	2.62	2.62	2.97	3.07	3.59
Missouri	2.91	2.96	2.87	3.37	2.86	2.78	3.16	3.56
Montana	3.16	2.92	2.96	2.98	3.45	2.91	3.01	3.19
Nebraska	3.19	2.78	2.78	2.92	2.91	3.09	3.15	3.55
Nevada	3.29	2.66	2.36	2.57	2.37	2.40	2.43	2.45
New Hampshire	3.42	3.68	3.30	3.78	3.58	3.96	4.02	3.70
New Jersey	3.44	3.27	2.82	3.32	3.29	3.32	4.32	3.95
New Mexico	3.04	2.54	2.34	2.45	2.25	2.55	2.66	2.99
New York	3.84	3.11	2.91	3.10	3.01	3.34	3.47	3.75
North Carolina	3.24	3.01	2.83	3.09	2.88	3.22	3.32	3.38
North Dakota	3.24	3.01	2.97	3.11	3.28	3.06	3.09	3.16
Ohio	4.28	3.44	3.43	3.40	3.26	3.69	3.51	3.84
Oklahoma	2.26	2.44	2.40	2.50	2.22	2.38	2.52	2.44
Oregon	2.18	2.16	2.26	2.22	2.34	2.39	2.36	2.35
Pennsylvania	3.57	3.15	2.93	3.02	3.29	3.37	3.61	3.82
Rhode Island	4.09	3.34	3.12	3.57	3.82	3.67	4.49	4.45
South Carolina	3.48	3.09	3.27	3.39	3.23	3.56	3.56	3.74
South Dakota	3.36	3.12	2.98	3.07	3.10	3.29	3.18	2.83
Tennessee	3.29	3.07	2.81	2.95	2.89	3.20	3.40	3.66
Texas	3.09	3.16	3.21	3.44	3.06	3.47	3.47	3.61
Utah	3.74	3.49	2.89	2.94	4.09	3.00	3.95	4.71
Vermont	3.03	2.57	2.53	2.52	2.93	2.60	2.86	2.95
Virginia	3.36	3.14	3.18	3.24	2.91	3.32	3.83	3.70
Washington	1.85	2.06	2.11	2.18	1.90	2.16	1.98	2.00
West Virginia	3.32	2.94	2.94	2.96	3.24	3.36	3.99	4.59
Wisconsin	3.86	3.15	2.95	3.06	3.36	3.17	3.48	3.97
Wyoming	3.07	2.89	2.63	2.71	2.90	2.69	2.55	2.66
Total	3.24	3.06	2.94	3.11	3.01	3.17	3.33	3.50

See footnotes at end of table.

Table 23. Average City Gate Price by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	3.67	3.65	3.25	3.28	3.01	2.60	2.68	3.06
Alaska	.33	.34	.33	.33	.33	.33	.34	.36
Arizona	2.45	2.43	2.70	2.31	1.57	1.98	2.12	2.08
Arkansas	2.41	2.38	2.41	2.53	2.43	2.38	2.62	2.61
California	2.80	2.82	2.73	2.59	2.47	2.88	2.37	2.56
Colorado	3.67	3.61	3.32	3.23	3.45	2.75	2.67	2.60
Connecticut	4.13	4.23	4.12	4.96	4.76	3.75	3.18	3.37
Delaware	2.74	1.78	2.72	2.90	2.59	2.55	2.62	1.81
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.84	2.58	2.41	2.37	2.29	2.39	2.34	2.31
Georgia	3.70	3.55	3.10	3.21	2.90	2.57	2.61	3.79
Hawaii	7.87	8.27	8.08	7.55	7.60	7.64	7.40	7.22
Idaho	2.47	3.61	2.52	2.57	2.55	1.94	2.28	2.17
Illinois	3.36	3.19	3.08	2.89	2.72	2.97	2.71	2.99
Indiana	3.03	3.52	2.97	3.16	2.71	2.57	2.75	2.79
Iowa	3.89	3.86	4.16	4.12	3.77	2.48	2.72	2.58
Kansas	2.31	2.49	2.30	2.07	2.32	2.28	2.09	2.74
Kentucky	2.76	2.74	2.57	2.98	2.89	2.89	2.85	2.89
Louisiana	2.70	2.60	2.26	2.30	2.42	2.25	2.06	1.93
Maine	2.80	4.19	2.72	2.82	2.66	2.44	2.59	3.39
Maryland	4.58	4.83	5.04	4.46	3.71	2.88	2.45	2.41
Massachusetts	3.40	3.24	3.35	3.77	3.66	2.91	2.97	3.47
Michigan	3.02	2.95	2.78	2.82	2.89	2.93	3.19	3.11
Minnesota	3.28	3.34	3.12	3.25	3.02	2.26	2.47	2.30
Mississippi	2.99	2.81	2.39	2.59	2.50	2.32	2.14	2.06
Missouri	3.52	3.39	2.74	3.20	2.85	2.60	2.59	2.46
Montana	3.85	4.38	4.80	4.51	4.03	3.63	3.58	3.57
Nebraska	3.47	3.23	3.18	3.28	3.07	2.47	2.46	2.36
Nevada	2.67	2.92	2.72	2.68	2.65	2.09	2.20	2.13
New Hampshire	3.16	3.83	3.27	3.62	3.31	2.92	2.93	4.00
New Jersey	3.97	3.38	3.40	3.17	3.19	2.66	2.58	2.81
New Mexico	2.30	2.13	2.09	2.48	2.09	2.40	1.82	1.92
New York	3.37	3.15	2.92	3.11	2.91	2.67	2.57	2.49
North Carolina	3.26	3.04	3.13	3.13	2.85	2.56	2.18	2.37
North Dakota	3.38	3.79	4.16	3.55	3.36	3.21	3.20	3.34
Ohio	3.60	3.71	3.72	3.43	3.35	2.96	2.87	2.98
Oklahoma	1.84	1.79	1.82	1.88	2.97	2.11	2.06	2.07
Oregon	2.27	2.41	2.25	2.14	2.59	2.22	2.35	2.27
Pennsylvania	4.20	4.32	3.92	4.01	3.62	3.06	2.77	2.72
Rhode Island	4.58	4.87	4.26	4.21	3.99	3.38	3.06	3.40
South Carolina	3.48	3.38	3.22	3.10	2.93	2.75	2.70	2.99
South Dakota	3.25	4.09	3.91	3.68	3.42	2.42	2.98	2.86
Tennessee	3.41	3.41	2.94	3.09	3.01	2.68	2.36	2.26
Texas	3.01	2.94	2.71	2.78	2.85	2.83	2.77	2.78
Utah	9.36	7.45	7.72	7.48	8.05	5.26	4.17	3.54
Vermont	4.06	4.17	3.25	3.25	3.04	2.76	2.65	2.76
Virginia	3.26	3.63	2.87	2.69	2.80	2.33	2.14	2.34
Washington	1.99	1.93	1.96	1.87	1.84	1.63	1.80	1.77
West Virginia	6.20	5.74	7.91	4.36	4.05	2.29	1.93	2.80
Wisconsin	4.47	4.94	4.76	3.84	3.45	3.12	3.03	2.88
Wyoming	3.01	3.32	3.36	3.63	3.43	3.23	2.83	2.95
Total	3.23	3.18	3.01	3.00	2.90	2.74	2.61	2.70

NA = Not Available.

— = Not Applicable.

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

Source: Form EIA-857.

Table 24. Average Price of Natural Gas Delivered to Residential Consumers by State, 1992-1993
(Dollars per Thousand Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	September 1993	August 1993	July 1993	June 1993	May 1993
Alabama	7.00	6.67	7.16	9.94	9.90	9.81	9.36	7.74
Alaska	3.98	3.81	4.30	4.32	4.50	4.47	4.25	4.05
Arizona	7.21	7.29	6.96	9.74	9.94	9.50	8.92	8.23
Arkansas	5.31	5.09	4.96	7.58	7.29	7.14	6.65	5.76
California	6.17	6.02	6.31	6.67	6.61	6.61	6.58	6.10
Colorado	4.43	4.62	4.59	5.51	6.01	5.62	5.06	4.56
Connecticut	9.45	9.39	8.78	NA	11.59	11.37	10.89	10.35
Delaware	6.46	6.04	5.86	8.68	8.80	8.66	8.25	7.09
District of Columbia	8.40	7.30	7.04	9.92	8.68	8.17	8.28	8.70
Florida	10.35	8.91	9.02	12.50	12.81	12.62	12.39	11.42
Georgia	6.85	6.46	6.89	9.32	9.43	9.06	8.91	8.08
Hawaii	17.60	17.94	22.97	17.84	18.43	17.97	17.57	17.86
Idaho	5.24	5.31	5.20	6.54	6.81	6.30	5.99	5.49
Illinois	5.56	4.98	5.15	7.16	8.26	7.88	7.64	6.98
Indiana	5.93	5.44	5.71	7.60	8.39	8.49	7.81	6.81
Iowa	5.80	5.03	4.77	8.64	8.69	9.13	7.27	7.04
Kansas	4.73	4.73	4.38	6.55	6.49	6.12	6.28	5.26
Kentucky	5.31	4.87	4.96	7.52	7.68	7.44	6.78	6.72
Louisiana	5.83	5.35	5.70	8.11	8.06	7.26	7.29	6.98
Maine	7.33	6.93	6.82	8.55	9.05	8.88	8.29	8.11
Maryland	7.20	6.20	6.21	9.11	9.65	9.65	9.09	8.05
Massachusetts	8.18	7.82	8.05	8.33	8.56	8.01	7.52	6.85
Michigan	4.83	5.11	5.15	6.35	7.21	6.69	6.10	5.37
Minnesota	5.35	4.57	4.40	6.46	7.36	6.29	6.13	6.10
Mississippi	4.80	4.79	5.31	5.70	5.58	5.55	5.49	5.76
Missouri	5.18	5.01	5.21	8.14	8.42	7.96	7.42	5.82
Montana	4.90	4.83	4.53	5.71	5.95	5.64	5.65	5.16
Nebraska	4.89	4.67	4.60	6.40	6.71	6.45	5.99	5.51
Nevada	5.53	5.66	5.62	7.16	7.32	7.07	6.50	6.01
New Hampshire	7.42	7.28	7.11	8.45	9.29	8.60	7.53	6.59
New Jersey	6.85	6.94	6.88	8.58	8.85	8.64	8.23	7.67
New Mexico	5.44	4.67	5.51	8.07	8.00	7.99	7.71	6.40
New York	8.10	7.36	7.33	11.03	11.58	11.10	9.96	9.29
North Carolina	6.90	6.46	6.15	10.54	10.91	10.49	9.57	7.71
North Dakota	5.17	4.99	4.76	6.92	7.38	6.83	6.38	5.60
Ohio	5.66	5.07	5.37	7.49	7.79	7.39	6.50	5.97
Oklahoma	4.98	5.01	4.72	7.33	7.51	7.15	6.55	5.64
Oregon	6.28	6.21	6.13	7.99	8.02	7.78	7.44	6.55
Pennsylvania	6.79	6.69	6.86	NA	9.54	9.47	8.20	7.64
Rhode Island	8.06	7.63	7.60	10.09	10.09	9.72	9.47	8.49
South Carolina	7.32	7.02	7.04	9.07	9.15	8.93	8.47	7.34
South Dakota	5.45	4.99	4.89	7.29	7.09	6.65	6.13	5.89
Tennessee	5.72	5.44	5.18	7.33	7.60	7.38	7.01	6.23
Texas	5.93	5.80	5.80	8.05	7.78	7.54	7.20	6.78
Utah	5.15	5.53	5.56	5.70	5.84	5.60	5.40	4.82
Vermont	6.11	6.72	6.16	7.96	7.81	7.60	6.91	6.46
Virginia	7.70	6.46	6.85	10.81	11.04	11.17	10.71	9.30
Washington	4.97	5.07	4.67	7.01	7.24	6.76	3.75	5.37
West Virginia	6.33	6.11	6.61	8.24	8.75	9.35	7.63	6.88
Wisconsin	6.27	5.71	5.60	7.44	7.73	7.61	7.29	7.36
Wyoming	4.63	4.77	4.76	5.76	5.96	5.58	4.91	4.69
Total	6.12	5.86	5.91	7.74	8.10	7.83	7.32	6.72

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Residential Consumers by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	April 1993	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992	October 1992
Alabama	6.59	6.15	6.49	6.53	6.74	6.42	7.36	8.36
Alaska	3.93	3.90	3.82	3.83	3.79	3.70	3.74	3.79
Arizona	7.31	6.68	6.50	6.36	7.24	6.55	7.59	9.19
Arkansas	5.12	5.04	5.02	4.77	5.10	4.73	5.30	6.39
California	5.71	5.87	6.02	6.20	5.97	5.80	5.60	6.35
Colorado	4.36	4.21	4.17	4.13	4.56	4.17	4.50	5.37
Connecticut	9.59	9.03	8.79	8.99	8.96	7.68	7.84	8.41
Delaware	6.25	6.01	6.05	6.09	6.13	6.22	6.44	7.20
District of Columbia	8.27	8.22	8.33	8.45	7.61	8.30	8.58	9.13
Florida	9.83	9.27	9.23	9.07	9.08	8.63	10.20	11.36
Georgia	6.49	6.13	6.18	6.51	6.44	6.11	6.33	7.64
Hawaii	17.70	17.20	16.50	17.62	18.03	18.05	18.42	18.60
Idaho	5.30	5.02	4.98	4.93	5.23	4.89	5.24	5.62
Illinois	5.63	4.88	5.02	5.08	5.09	5.14	5.42	5.60
Indiana	5.94	5.36	5.43	5.58	5.43	5.54	5.17	5.44
Iowa	5.92	5.27	4.94	5.34	5.23	5.29	5.62	6.90
Kansas	4.58	4.43	4.41	4.37	4.70	4.45	4.71	5.32
Kentucky	5.28	4.83	4.72	5.08	5.01	5.04	5.14	6.34
Louisiana	5.67	5.30	4.71	5.44	5.60	5.73	6.61	7.87
Maine	7.51	7.11	6.89	6.75	6.95	7.12	6.89	6.77
Maryland	7.02	6.43	6.66	6.88	6.43	6.99	6.81	7.43
Massachusetts	8.54	8.33	8.28	8.27	7.92	8.55	8.61	6.74
Michigan	4.67	4.46	4.42	4.43	5.06	4.73	4.98	5.39
Minnesota	5.35	5.03	4.95	5.13	4.86	5.19	5.43	6.04
Mississippi	4.66	4.36	4.44	4.80	4.95	5.05	5.70	6.25
Missouri	4.91	4.62	4.67	4.72	5.11	4.93	5.57	6.59
Montana	4.85	4.68	4.73	4.55	4.80	4.61	4.77	5.14
Nebraska	4.77	4.51	4.55	4.72	4.82	4.90	5.15	5.78
Nevada	5.54	5.23	5.06	4.96	5.59	5.03	5.68	6.76
New Hampshire	5.91	7.66	7.48	7.86	7.55	8.00	9.10	8.09
New Jersey	6.93	6.33	6.34	6.49	6.94	6.80	6.99	7.23
New Mexico	5.59	4.90	4.80	4.50	4.75	4.58	5.17	6.44
New York	7.81	7.24	7.30	7.67	7.58	7.74	8.68	8.62
North Carolina	6.33	6.08	6.58	6.76	6.60	6.66	7.12	7.72
North Dakota	5.06	4.84	4.82	4.71	5.00	4.85	4.98	5.64
Ohio	5.49	5.31	5.43	5.33	5.20	5.38	5.52	5.76
Oklahoma	4.76	4.52	4.58	4.57	4.96	4.57	4.82	6.14
Oregon	6.14	5.99	5.95	5.90	6.17	5.92	6.16	6.66
Pennsylvania	6.69	6.35	6.34	6.18	6.60	6.18	6.36	6.67
Rhode Island	7.85	7.67	7.64	7.69	7.68	7.62	7.85	8.28
South Carolina	6.56	6.78	7.31	7.69	7.03	6.86	7.39	7.17
South Dakota	5.38	5.15	5.12	5.13	5.15	5.30	5.37	6.09
Tennessee	5.47	5.20	5.83	5.45	5.50	5.34	5.93	6.29
Texas	5.78	5.32	5.52	5.26	5.78	5.14	6.02	7.32
Utah	4.89	5.15	5.08	5.14	5.44	5.21	5.15	5.35
Vermont	6.08	5.94	5.96	5.59	6.70	6.36	6.73	7.14
Virginia	7.49	6.79	7.18	7.14	6.69	7.10	7.05	7.93
Washington	5.03	4.80	4.76	4.59	5.00	4.60	4.94	5.57
West Virginia	6.18	5.97	5.93	6.00	6.31	7.60	6.12	6.48
Wisconsin	6.15	5.96	5.94	5.91	5.87	5.98	6.27	6.68
Wyoming	4.54	4.44	4.43	4.36	4.72	4.41	4.64	5.09
Total	5.99	5.66	5.71	5.71	5.89	5.74	6.02	6.52

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Residential Consumers by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	8.94	9.06	8.93	8.00	6.98	6.24	6.67	6.01
Alaska	4.02	4.54	4.20	4.03	3.83	3.75	3.69	3.68
Arizona	9.64	9.87	9.54	9.02	8.53	7.43	6.84	6.48
Arkansas	6.86	6.83	6.46	6.16	5.53	4.97	4.87	4.60
California	6.29	6.21	6.27	6.28	5.99	5.52	5.76	6.03
Colorado	5.89	6.06	5.78	5.25	4.96	4.52	4.38	4.30
Connecticut	10.66	11.20	10.67	10.54	9.84	9.05	8.89	9.18
Delaware	8.05	8.08	7.94	7.39	6.51	5.98	5.80	5.52
District of Columbia	9.18	7.36	6.77	7.22	7.95	7.08	7.23	7.07
Florida	11.48	11.26	10.99	10.69	9.80	8.66	8.48	7.54
Georgia	3.87	3.38	3.30	7.88	6.96	6.29	6.25	6.51
Hawaii	18.46	18.52	18.19	17.71	18.04	17.07	17.48	17.92
Idaho	6.00	6.61	6.22	6.17	5.56	5.42	5.30	5.05
Illinois	6.37	6.87	6.91	6.45	5.52	4.68	4.33	4.76
Indiana	6.85	6.97	6.87	6.42	5.93	5.30	4.79	5.40
Iowa	7.66	7.89	7.56	6.71	5.67	4.68	4.44	4.31
Kansas	5.81	5.92	5.95	5.40	5.11	4.59	4.57	4.53
Kentucky	6.96	6.42	6.25	5.79	4.98	4.69	4.54	4.46
Louisiana	7.34	7.41	7.06	6.78	6.27	4.85	5.09	4.43
Maine	7.12	7.65	7.51	6.76	6.78	7.08	6.90	6.79
Maryland	8.80	8.51	8.17	7.58	6.26	5.40	5.66	5.89
Massachusetts	7.70	7.79	7.61	6.95	6.12	6.32	6.05	6.04
Michigan	6.45	6.71	6.58	6.02	5.28	4.89	4.83	4.82
Minnesota	5.93	5.98	5.56	5.51	4.85	4.34	4.17	4.15
Mississippi	5.75	5.84	5.64	5.51	5.45	4.62	4.52	4.46
Missouri	7.23	7.40	6.99	6.24	5.32	4.60	4.60	4.61
Montana	5.45	6.02	5.78	5.57	5.06	4.73	4.66	4.53
Nebraska	6.16	6.24	5.90	5.47	4.91	4.41	4.26	4.28
Nevada	7.06	7.37	6.89	6.81	6.41	5.68	5.29	5.18
New Hampshire	8.97	9.16	9.09	8.58	7.83	6.94	6.98	6.87
New Jersey	6.50	8.77	8.68	8.41	7.46	6.71	6.04	6.75
New Mexico	6.81	6.88	6.63	6.04	5.35	4.50	4.27	4.17
New York	9.92	10.28	9.70	8.70	7.40	6.79	6.89	6.83
North Carolina	10.03	10.51	9.89	8.24	6.74	5.54	6.03	5.91
North Dakota	6.26	6.75	6.33	6.04	5.21	4.78	4.69	4.62
Ohio	6.51	6.98	6.27	5.92	5.27	4.83	4.80	4.66
Oklahoma	6.71	6.84	6.59	6.29	5.87	4.96	4.79	4.43
Oregon	7.27	7.64	7.32	6.96	6.48	6.21	6.03	5.92
Pennsylvania	8.34	8.98	8.94	8.14	7.20	6.55	6.30	6.34
Rhode Island	9.00	9.53	8.71	8.45	7.77	7.45	7.36	7.33
South Carolina	8.45	8.61	8.37	7.67	6.68	6.27	7.44	6.88
South Dakota	6.36	6.67	6.31	6.04	4.64	4.78	4.60	4.59
Tennessee	7.02	7.14	6.81	6.38	5.72	5.19	5.47	5.22
Texas	7.48	7.82	7.42	7.16	6.92	6.06	5.52	4.97
Utah	5.87	5.95	5.86	5.80	5.48	5.50	5.64	5.43
Vermont	8.02	8.42	8.22	7.78	7.05	6.68	6.59	6.54
Virginia	9.83	9.16	8.97	7.84	6.61	5.62	5.68	6.25
Washington	6.35	7.05	7.17	6.24	5.46	5.00	4.81	4.67
West Virginia	7.83	8.41	8.32	7.23	6.39	5.93	5.87	5.75
Wisconsin	6.89	6.90	6.50	6.40	5.67	5.44	5.46	5.43
Wyoming	5.57	5.96	5.69	5.28	4.96	4.64	4.55	4.51
Total	7.15	7.45	7.27	6.84	6.15	5.62	5.50	5.54

NA = Not Available.

Notes: Data for 1992 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Source: Form EIA-857.

Table 25. Average Price of Natural Gas Sold to Commercial Consumers by State, 1992-1993
(Dollars per Thousand Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	September 1993	August 1993	July 1993	June 1993	May 1993
Alabama	6.07	5.61	5.81	6.84	6.75	6.86	6.74	6.33
Alaska	2.78	2.63	2.97	2.64	2.54	2.61	2.67	2.73
Arizona	5.00	5.20	5.04	5.16	5.00	4.86	4.82	5.03
Arkansas	4.40	4.36	4.33	5.00	4.68	4.77	4.96	4.41
California	5.71	5.09	5.53	5.20	5.95	4.63	5.83	5.24
Colorado	3.84	4.04	4.04	3.90	4.04	4.08	3.95	3.87
Connecticut	7.30	7.33	6.87	NA	7.58	7.31	6.97	7.19
Delaware	5.34	4.87	4.85	6.00	5.64	5.64	7.75	5.46
District of Columbia	5.84	5.23	5.17	5.62	5.56	5.47	5.59	5.60
Florida	5.76	4.86	4.85	5.54	5.52	5.82	5.98	6.01
Georgia	5.77	5.45	5.73	6.26	6.12	5.78	6.13	6.14
Hawaii	12.98	13.23	13.47	12.86	13.08	13.23	12.92	13.27
Idaho	4.49	4.43	4.40	5.21	5.16	4.93	4.65	4.65
Illinois	5.12	4.51	4.72	5.82	6.55	6.01	6.80	6.01
Indiana	5.01	4.56	4.79	5.59	5.80	6.33	5.99	5.29
Iowa	4.79	4.04	3.90	5.87	5.33	5.66	5.07	5.48
Kansas	3.99	3.46	3.28	3.81	3.44	3.41	4.14	4.24
Kentucky	4.74	4.35	4.49	5.51	5.11	5.27	3.98	5.00
Louisiana	5.13	4.56	4.84	5.67	5.66	5.39	5.46	5.43
Maine	6.60	6.20	5.87	6.81	6.42	6.96	6.84	6.81
Maryland	5.79	5.02	5.09	5.81	6.07	6.13	5.99	5.91
Massachusetts	6.38	5.76	6.07	4.48	4.45	4.36	4.58	4.72
Michigan	4.48	4.67	4.74	5.48	5.75	5.57	5.29	4.77
Minnesota	4.58	3.82	3.70	4.81	5.20	4.56	4.71	5.11
Mississippi	4.08	3.98	4.34	4.22	3.95	3.94	4.00	4.54
Missouri	4.65	4.37	4.54	5.37	5.16	5.18	5.30	4.73
Montana	4.71	4.47	4.34	5.09	5.14	5.07	5.12	4.79
Nebraska	4.25	3.86	3.82	3.84	4.19	4.55	4.13	4.58
Nevada	4.32	4.34	4.34	4.42	4.42	4.42	4.41	4.15
New Hampshire	6.60	6.58	6.33	6.12	6.20	6.21	6.04	5.78
New Jersey	5.38	5.45	5.35	5.18	5.44	4.95	5.18	5.29
New Mexico	4.21	3.32	4.23	4.61	4.34	4.42	4.79	4.52
New York	6.07	5.59	5.46	5.83	5.89	6.11	6.63	7.12
North Carolina	5.48	4.61	4.47	5.48	5.68	5.79	5.77	5.44
North Dakota	4.75	4.45	4.26	5.51	5.61	5.45	5.37	5.04
Ohio	5.17	4.55	4.82	5.90	5.96	5.65	5.89	5.10
Oklahoma	4.53	4.19	3.90	4.64	4.48	4.76	4.66	4.44
Oregon	4.92	4.74	4.77	5.38	5.53	5.43	5.29	4.97
Pennsylvania	5.96	5.97	6.10	NA	6.88	6.89	6.52	6.43
Rhode Island	7.07	6.24	5.90	7.00	6.64	7.26	7.55	7.48
South Carolina	5.79	5.56	5.62	5.32	5.43	5.41	5.46	5.49
South Dakota	4.55	4.04	3.99	5.76	4.82	4.72	4.61	5.21
Tennessee	5.15	4.97	4.75	5.24	5.30	5.30	5.50	5.12
Texas	4.27	3.97	3.94	4.41	3.82	3.79	3.85	4.07
Utah	4.17	4.47	4.51	4.23	4.32	4.19	4.18	3.82
Vermont	5.34	5.72	5.28	5.11	5.69	5.75	5.73	5.54
Virginia	5.62	4.77	4.84	5.72	6.14	5.95	6.01	5.61
Washington	4.46	4.39	4.04	4.98	5.00	4.80	4.66	4.52
West Virginia	5.94	5.49	6.22	6.95	7.25	7.52	7.01	6.41
Wisconsin	4.90	4.65	4.63	5.52	5.34	5.20	5.20	5.53
Wyoming	4.20	4.26	4.30	4.49	4.28	4.33	4.51	4.18
Total	5.14	4.80	4.84	5.26	5.26	5.03	5.31	5.21

See footnotes at end of table

Table 25. Average Price of Natural Gas Sold to Commercial Consumers by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	April 1993	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992	October 1992
Alabama	5.83	5.89	5.89	5.92	5.71	5.90	6.10	6.19
Alaska	2.83	2.79	2.92	2.89	2.64	2.68	2.67	2.59
Arizona	5.03	5.06	5.00	5.02	5.20	5.09	5.22	5.28
Arkansas	4.35	4.32	4.33	4.20	4.38	4.35	4.47	4.72
California	5.50	6.19	5.43	6.93	5.15	5.73	5.45	4.53
Colorado	3.82	3.82	3.81	3.75	4.00	3.84	3.91	4.19
Connecticut	7.38	7.35	7.22	7.33	7.20	6.88	6.80	6.90
Delaware	5.19	5.11	5.12	5.17	4.94	5.18	5.07	5.07
District of Columbia	5.72	6.08	5.99	5.95	5.36	5.95	5.90	5.28
Florida	5.87	5.94	5.90	5.20	4.98	5.36	5.35	5.30
Georgia	5.60	5.21	5.79	5.92	5.55	5.62	6.03	5.98
Hawaii	13.18	12.79	12.40	13.17	13.34	13.57	13.71	13.83
Idaho	4.80	4.38	4.28	4.33	4.40	4.22	4.50	4.53
Illinois	5.28	4.85	4.83	4.91	4.85	4.88	4.93	4.88
Indiana	4.99	4.62	4.81	4.95	4.57	4.85	4.34	4.21
Iowa	5.03	4.64	4.23	4.73	4.27	4.58	4.54	5.31
Kansas	4.12	4.11	4.09	4.09	3.53	3.98	3.68	3.08
Kentucky	4.62	4.60	4.59	4.91	4.47	4.78	4.77	4.52
Louisiana	5.05	4.91	4.55	5.11	4.79	5.39	5.54	5.80
Maine	6.77	6.77	6.45	6.30	6.19	6.46	6.14	5.38
Maryland	5.68	5.57	5.77	5.85	5.24	5.89	5.73	5.57
Massachusetts	7.02	7.20	7.38	7.21	5.86	7.00	6.40	4.29
Michigan	4.35	4.27	4.27	4.32	4.65	4.49	4.63	4.89
Minnesota	4.70	4.43	4.32	4.60	4.10	4.59	4.61	4.88
Mississippi	4.06	3.93	3.93	4.25	4.13	4.53	4.51	4.62
Missouri	4.48	4.47	4.54	4.60	4.47	4.68	4.66	4.62
Montana	4.65	4.61	4.66	4.56	4.46	4.39	4.46	4.58
Nebraska	4.24	4.16	4.20	4.34	3.99	4.31	4.27	4.21
Nevada	4.30	4.30	4.31	4.28	4.33	4.26	4.31	4.37
New Hampshire	5.61	7.14	6.92	6.99	6.74	7.18	7.43	6.75
New Jersey	5.25	5.41	5.42	5.64	5.54	5.75	6.02	5.45
New Mexico	4.38	4.07	4.03	3.89	3.36	3.66	3.32	3.19
New York	6.27	5.73	5.85	6.10	5.75	6.26	6.44	5.66
North Carolina	5.15	5.31	5.51	5.66	4.79	5.38	5.31	4.73
North Dakota	4.75	4.61	4.54	4.55	4.52	4.59	4.68	4.89
Ohio	5.13	4.97	5.16	5.03	4.72	5.15	5.08	5.00
Oklahoma	4.51	4.48	4.52	4.55	4.23	4.45	4.22	4.10
Oregon	4.77	4.75	4.79	4.78	4.73	4.72	4.66	4.73
Pennsylvania	6.07	5.81	5.79	5.60	5.87	5.59	5.67	5.70
Rhode Island	7.01	6.94	6.95	7.21	6.31	6.95	6.99	5.49
South Carolina	5.67	5.85	6.12	6.22	5.65	6.02	6.08	5.31
South Dakota	4.52	4.34	4.31	4.43	4.19	4.44	4.45	4.84
Tennessee	4.95	4.96	5.13	5.31	5.06	5.25	5.35	5.25
Texas	4.12	4.34	4.74	4.73	4.09	4.54	4.45	4.12
Utah	3.96	4.23	4.19	4.26	4.40	4.27	4.20	4.04
Vermont	5.32	5.36	5.35	5.05	5.67	5.49	5.55	5.61
Virginia	5.62	5.26	5.61	5.66	4.97	5.66	5.27	5.42
Washington	4.34	4.33	4.36	4.28	4.32	3.85	4.44	4.56
West Virginia	5.84	5.67	5.67	5.69	5.48	5.30	5.45	5.75
Wisconsin	4.93	4.74	4.71	4.77	4.81	4.94	5.21	5.45
Wyoming	4.15	4.15	4.16	4.12	4.26	4.21	4.28	4.36
Total	5.13	5.06	5.08	5.18	4.88	5.11	5.12	4.90

See footnotes at end of table

Table 25. Average Price of Natural Gas Sold to Commercial Consumers by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	6.12	6.14	5.98	5.70	5.80	5.38	5.56	5.37
Alaska	2.50	2.63	2.48	2.54	2.61	2.65	2.70	2.70
Arizona	4.87	5.28	5.08	5.37	5.74	5.29	5.22	5.10
Arkansas	4.55	4.82	4.36	4.29	4.25	4.43	4.33	4.28
California	4.20	4.40	4.39	3.91	3.77	5.93	5.94	6.65
Colorado	4.32	4.38	4.32	4.23	4.16	4.01	3.97	3.94
Connecticut	6.45	6.30	6.37	7.55	7.21	7.21	7.21	7.76
Delaware	5.16	5.14	5.16	5.14	5.01	4.89	4.57	4.99
District of Columbia	4.99	4.76	4.85	4.89	5.18	5.18	5.24	5.55
Florida	5.13	4.95	4.95	4.87	4.43	4.84	4.80	4.84
Georgia	2.76	5.53	5.51	5.53	5.34	5.28	5.70	5.93
Hawaii	13.67	13.44	13.24	12.95	13.34	12.57	12.87	13.51
Idaho	4.56	4.60	4.65	4.64	4.61	4.60	4.37	4.31
Illinois	5.28	5.31	5.48	5.94	4.80	4.02	4.11	4.52
Indiana	4.95	4.64	4.79	4.75	4.67	4.52	4.08	4.82
Iowa	5.02	4.99	4.57	4.58	4.23	3.85	3.73	3.71
Kansas	2.89	2.77	2.88	2.85	3.15	3.58	4.01	4.13
Kentucky	4.61	4.75	4.50	4.46	4.19	4.27	4.16	4.27
Louisiana	4.91	5.06	4.71	4.80	4.69	4.08	4.43	4.28
Maine	5.56	5.95	5.49	5.47	5.53	6.37	6.37	6.74
Maryland	5.54	5.37	5.31	5.01	4.79	4.63	4.88	5.06
Massachusetts	4.15	3.85	3.76	4.54	4.49	6.16	6.44	6.72
Michigan	5.40	5.47	5.41	5.11	4.70	4.52	4.55	4.58
Minnesota	4.39	4.32	3.96	4.20	3.99	3.70	3.51	3.59
Mississippi	4.02	3.90	3.80	3.89	4.04	3.90	3.90	4.00
Missouri	4.53	4.71	4.96	4.35	4.25	4.11	4.29	4.39
Montana	4.76	4.98	4.93	4.86	4.58	4.43	4.36	4.31
Nebraska	3.93	3.78	3.69	3.98	3.75	3.69	3.76	3.87
Nevada	4.42	4.45	4.37	4.41	4.40	4.33	4.26	4.29
New Hampshire	6.95	6.85	7.24	6.50	7.03	6.46	6.48	6.45
New Jersey	5.31	5.24	4.99	5.33	5.36	5.52	5.05	5.72
New Mexico	3.08	2.99	3.28	3.82	3.39	3.23	3.44	3.47
New York	5.57	5.84	5.76	6.08	5.77	5.31	5.25	5.83
North Carolina	4.93	4.82	4.84	4.78	4.49	4.16	4.33	4.55
North Dakota	4.96	5.15	5.00	4.92	4.55	4.32	4.26	4.30
Ohio	5.19	5.28	4.67	4.84	4.54	4.42	4.39	4.39
Oklahoma	4.11	4.05	4.06	4.31	4.28	4.33	4.34	4.13
Oregon	4.89	5.02	4.95	4.82	4.73	4.71	4.68	4.66
Pennsylvania	6.23	6.49	6.73	6.56	6.25	6.14	5.77	5.86
Rhode Island	5.15	5.07	5.31	5.67	5.73	6.01	6.74	7.05
South Carolina	5.36	5.32	5.34	5.32	5.07	5.36	5.86	5.82
South Dakota	4.62	4.62	4.40	4.40	4.19	3.82	3.70	3.85
Tennessee	5.17	5.25	4.86	4.91	4.77	4.77	4.92	4.98
Texas	4.00	3.63	3.53	3.93	3.81	3.89	4.06	4.15
Utah	4.23	4.33	4.36	4.38	4.23	4.40	4.68	4.50
Vermont	5.73	6.01	6.15	6.20	5.96	5.66	5.82	5.69
Virginia	5.06	5.08	5.05	4.51	4.20	4.26	4.45	5.11
Washington	4.83	4.69	4.64	4.63	4.49	4.39	4.29	4.28
West Virginia	6.83	6.93	6.90	6.42	5.76	5.36	5.29	5.22
Wisconsin	5.43	5.42	4.91	5.11	4.44	4.46	4.49	4.46
Wyoming	4.36	4.38	4.31	4.31	4.23	4.25	4.22	4.22
Total	4.69	4.73	4.84	4.72	4.59	4.77	4.77	5.03

NA = Not Available.

Notes: Data for 1992 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 28 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857.

Table 26. Average Price of Natural Gas Sold to Industrial Consumers by State, 1992-1993
(Dollars per Thousand Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	September 1993	August 1993	July 1993	June 1993	May 1993
Alabama	3.44	2.90	2.94	3.60	3.25	3.16	3.30	3.78
Alaska	1.32	1.17	1.17	1.24	1.24	1.24	1.35	1.35
Arizona	4.02	4.17	3.39	3.97	4.01	3.98	4.65	4.03
Arkansas	3.19	3.07	3.04	3.26	3.15	3.19	3.07	3.04
California	3.55	3.74	3.95	3.02	3.39	2.84	3.77	3.52
Colorado	2.26	2.15	2.29	2.07	2.17	2.10	2.14	2.48
Connecticut	4.58	4.94	4.77	NA	4.01	3.93	3.90	4.42
Delaware	3.33	3.09	3.06	3.44	3.17	3.11	3.52	3.69
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.83	3.09	3.03	3.85	3.85	4.00	4.01	4.03
Georgia	4.06	3.23	3.24	4.63	3.84	3.61	4.41	4.49
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	2.95	—	—	—	—	—
Illinois	4.36	3.74	4.00	4.40	4.77	4.62	4.62	4.64
Indiana	3.58	3.32	3.81	4.14	3.68	3.97	3.96	3.12
Iowa	4.01	3.31	2.43	4.64	3.74	4.04	4.78	3.75
Kansas	2.67	2.49	2.63	2.79	2.56	2.59	2.55	2.70
Kentucky	3.73	3.07	3.34	3.75	3.72	3.66	3.62	3.65
Louisiana	2.25	1.74	1.66	2.40	2.22	2.16	2.43	2.62
Maine	4.72	4.02	4.22	3.97	3.96	4.03	5.36	5.31
Maryland	3.72	3.36	3.50	3.90	3.82	3.67	3.41	4.33
Massachusetts	5.00	4.00	3.88	3.94	3.71	4.24	3.68	4.56
Michigan	4.10	3.92	4.02	4.49	4.33	4.37	4.24	4.16
Minnesota	3.20	2.86	2.72	3.11	3.47	3.21	2.70	3.40
Mississippi	2.90	2.34	2.28	3.23	3.00	2.62	2.80	3.34
Missouri	4.18	3.74	4.14	4.02	4.06	4.19	4.25	4.10
Montana	3.97	4.03	3.18	4.66	4.23	4.17	4.09	3.97
Nebraska	3.12	2.68	2.66	3.22	2.87	2.91	2.57	3.94
Nevada	4.16	4.12	4.22	4.93	4.33	4.03	4.36	4.26
New Hampshire	4.34	4.32	4.20	3.75	3.75	3.60	3.33	3.00
New Jersey	3.59	3.30	3.69	3.32	3.23	3.32	3.75	3.61
New Mexico	3.77	6.44	3.54	3.91	3.50	3.71	4.44	3.83
New York	5.69	4.79	4.72	5.15	5.84	5.44	5.25	6.28
North Carolina	3.80	3.08	3.22	3.59	3.44	3.47	3.55	3.80
North Dakota	3.37	3.09	3.13	3.13	3.73	3.43	3.53	3.49
Ohio	4.67	3.99	4.15	4.94	4.77	4.56	4.73	4.57
Oklahoma	2.17	1.93	1.68	2.28	2.26	1.92	2.51	2.12
Oregon	3.47	3.31	3.41	3.37	3.36	3.40	3.35	3.62
Pennsylvania	3.68	3.82	4.11	NA	3.35	3.52	3.58	3.72
Rhode Island	5.21	4.54	5.38	4.74	3.94	4.46	4.46	4.99
South Carolina	3.29	2.93	2.91	3.30	3.05	3.03	3.19	3.53
South Dakota	3.82	3.57	3.19	5.47	3.99	3.65	3.79	4.24
Tennessee	3.64	3.23	3.10	3.68	3.48	3.59	3.79	3.78
Texas	2.36	1.93	1.84	NA	2.42	2.24	2.16	2.81
Utah	3.06	4.07	3.69	3.00	2.81	3.00	2.93	2.91
Vermont	3.61	3.12	3.03	3.39	3.48	3.56	3.74	3.65
Virginia	3.95	3.54	3.80	3.81	2.61	2.93	3.77	4.30
Washington	3.13	2.86	2.80	3.38	3.31	3.14	3.15	3.45
West Virginia	2.66	2.84	2.84	3.18	2.79	1.88	2.75	3.24
Wisconsin	3.93	3.17	3.06	4.07	3.69	3.77	3.87	4.33
Wyoming	2.91	2.90	3.04	3.23	3.19	3.07	3.00	2.87
Total	3.05	2.67	2.63	3.03	2.86	2.71	2.95	3.24

See footnotes at end of table.

Table 26. Average Price of Natural Gas Sold to Industrial Consumers by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	April 1993	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992	October 1992
Alabama	3.47	3.47	3.38	3.58	3.07	3.59	3.54	3.61
Alaska	1.35	1.35	1.35	1.35	1.18	1.19	1.17	1.17
Arizona	3.92	3.97	3.98	3.97	4.16	4.09	4.21	4.11
Arkansas	3.15	3.22	3.31	3.24	3.13	3.28	3.28	3.20
California	3.82	3.31	3.77	4.85	3.67	3.82	3.10	3.44
Colorado	2.26	2.27	2.27	2.49	2.20	2.32	2.29	2.34
Connecticut	4.77	4.96	5.01	5.34	4.92	5.05	4.85	4.64
Delaware	3.31	3.26	3.22	3.32	3.25	3.59	3.47	3.69
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.86	3.82	3.64	3.48	3.22	3.51	3.60	3.89
Georgia	4.11	3.97	3.81	4.10	3.50	4.43	4.28	4.38
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	2.97	—	—	—
Illinois	4.81	4.23	4.15	4.12	3.75	4.14	3.79	3.21
Indiana	3.38	3.41	3.48	3.86	3.39	4.17	3.51	3.01
Iowa	4.44	3.85	3.50	4.11	3.55	3.86	3.85	4.29
Kansas	2.60	2.83	2.66	2.87	2.61	3.07	2.88	2.87
Kentucky	3.44	3.76	3.83	4.23	3.23	4.14	3.92	3.11
Louisiana	2.27	1.96	1.96	2.27	1.93	2.54	2.70	2.69
Maine	4.75	5.49	5.40	4.76	4.14	4.97	4.50	3.88
Maryland	4.67	3.96	3.88	3.25	3.56	4.13	3.75	3.65
Massachusetts	5.80	6.45	6.55	6.32	4.14	5.65	5.05	3.35
Michigan	4.06	4.02	4.02	4.04	3.92	3.88	3.90	3.97
Minnesota	3.34	3.03	3.33	3.33	3.05	3.32	3.51	3.57
Mississippi	2.94	2.76	2.71	2.80	2.53	3.02	3.05	3.34
Missouri	4.19	4.15	4.27	4.26	3.87	4.56	4.57	3.49
Montana	3.82	3.81	3.81	3.99	4.19	4.67	4.81	4.80
Nebraska	3.17	2.97	3.04	3.24	2.92	3.36	3.41	3.62
Nevada	4.12	3.80	4.09	3.69	4.07	3.84	4.11	3.99
New Hampshire	4.07	6.06	5.91	5.66	4.49	5.58	5.31	4.20
New Jersey	3.44	3.83	3.70	3.91	3.42	4.38	3.45	3.29
New Mexico	3.92	4.01	3.78	3.67	6.86	8.02	7.00	6.86
New York	5.73	5.57	5.73	5.94	4.93	5.51	5.41	4.75
North Carolina	3.62	3.87	4.14	4.22	3.34	4.11	4.02	3.55
North Dakota	3.44	3.28	3.23	3.37	3.25	3.47	3.74	3.71
Ohio	4.47	4.52	4.72	4.85	4.15	4.68	4.62	4.13
Oklahoma	2.07	2.12	2.10	2.19	2.02	2.10	2.17	2.29
Oregon	3.52	3.54	3.54	3.59	3.36	3.56	3.46	3.42
Pennsylvania	3.66	3.78	3.85	3.83	3.75	3.83	3.54	3.51
Rhode Island	5.78	6.08	6.08	6.27	4.66	5.85	5.48	3.91
South Carolina	3.29	3.25	3.46	3.52	3.13	3.88	3.62	3.60
South Dakota	3.84	3.46	3.57	3.33	3.63	3.41	3.62	4.59
Tennessee	3.49	3.58	3.54	3.84	3.44	4.18	4.05	3.92
Texas	2.47	2.23	2.06	2.31	2.12	2.59	2.56	2.92
Utah	2.92	3.27	3.24	3.31	3.91	3.60	3.66	3.37
Vermont	3.59	3.54	3.67	3.81	3.28	3.81	3.75	3.56
Virginia	4.26	4.61	4.57	4.61	3.72	4.60	3.60	4.58
Washington	3.19	2.89	2.92	2.99	2.91	2.89	3.13	3.37
West Virginia	2.73	2.68	3.90	3.04	2.89	3.12	2.87	2.98
Wisconsin	3.99	3.85	3.83	3.97	3.36	3.68	3.87	4.04
Wyoming	2.80	2.81	2.74	2.88	2.91	2.89	2.92	3.04
Total	3.13	3.08	3.12	3.26	2.84	3.38	3.26	3.21

See footnotes at end of table.

Table 26. Average Price of Natural Gas Sold to Industrial Consumers by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	3.18	3.13	2.77	2.76	2.81	2.81	2.66	2.83
Alaska	1.17	1.16	1.17	1.16	1.16	1.16	1.19	1.20
Arizona	4.21	4.14	4.19	4.23	4.16	4.11	4.24	4.09
Arkansas	3.03	3.00	2.97	2.84	2.90	3.05	3.22	3.21
California	3.46	3.29	3.49	3.42	3.04	3.98	4.26	4.43
Colorado	1.83	2.30	1.88	2.18	2.31	2.29	2.29	2.30
Connecticut	4.09	4.26	4.32	4.51	4.71	4.94	5.39	5.81
Delaware	3.22	3.17	2.97	3.15	2.94	3.03	3.02	3.09
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.28	3.16	2.97	2.81	2.97	3.07	3.22	3.17
Georgia	2.91	3.35	3.20	3.19	3.01	2.85	3.27	3.72
Hawaii	—	—	—	—	—	—	—	—
Idaho *	—	—	—	—	—	—	—	—
Illinois	3.17	3.84	3.68	4.06	3.57	3.67	3.64	4.03
Indiana	3.36	2.84	3.05	3.00	2.96	3.33	3.39	3.85
Iowa	3.76	3.50	3.23	3.69	2.97	3.15	3.15	3.06
Kansas	2.70	2.58	2.40	2.39	2.31	2.32	2.39	2.80
Kentucky	3.05	3.08	2.75	2.76	2.79	3.11	3.22	3.52
Louisiana	2.19	1.99	1.85	1.84	1.73	1.54	1.37	1.49
Maine	3.55	3.49	3.36	3.65	3.43	3.93	3.88	5.92
Maryland	3.37	3.80	3.77	3.77	3.96	3.00	3.11	3.41
Massachusetts	3.06	3.01	3.38	2.81	3.40	3.71	5.16	5.99
Michigan	4.14	3.99	3.84	3.91	3.77	3.88	3.81	4.03
Minnesota	3.21	3.02	2.87	2.86	2.70	2.58	2.51	2.94
Mississippi	2.64	2.56	2.21	2.42	2.29	2.20	2.12	2.14
Missouri	3.89	3.55	3.63	3.57	3.61	3.38	3.61	3.89
Montana	4.66	4.35	4.21	4.11	4.00	3.86	3.87	3.77
Nebraska	3.00	2.96	2.65	2.60	2.45	2.39	2.42	2.61
Nevada	4.25	3.40	4.32	4.08	4.15	4.11	4.13	4.31
New Hampshire	3.62	3.47	3.65	3.67	4.69	4.08	4.94	5.43
New Jersey	3.05	2.85	2.97	2.96	2.98	3.42	3.43	4.04
New Mexico	5.85	6.06	6.71	6.33	5.83	6.62	7.14	7.43
New York	4.54	5.04	4.66	4.47	4.12	4.91	4.67	5.17
North Carolina	3.38	3.16	3.00	3.06	2.86	2.84	2.82	2.96
North Dakota	3.43	3.27	3.19	3.13	2.90	2.86	2.82	3.08
Ohio	4.30	4.13	4.44	3.82	3.86	3.80	3.77	3.87
Oklahoma	2.03	1.96	2.00	1.85	1.81	1.98	1.91	2.02
Oregon	3.31	3.30	3.30	3.32	3.29	3.28	3.33	3.31
Pennsylvania	3.54	3.60	3.80	4.16	4.01	3.81	3.83	3.94
Rhode Island	3.73	2.75	4.74	3.84	3.88	4.14	5.65	6.46
South Carolina	3.18	3.06	2.80	2.84	2.68	2.64	2.84	2.98
South Dakota	4.03	4.09	3.79	3.79	3.45	3.25	3.22	3.28
Tennessee	3.74	3.37	3.08	3.30	3.14	3.01	2.98	3.02
Texas	2.28	2.23	1.91	1.90	1.84	1.78	1.67	1.62
Utah	3.55	3.58	3.65	3.74	3.73	3.66	4.02	6.10
Vermont	3.56	3.57	3.32	3.22	3.09	2.97	2.76	2.88
Virginia	3.57	3.88	3.79	2.70	2.85	3.35	3.62	4.00
Washington	2.96	2.71	2.72	2.82	2.85	2.81	2.84	2.81
West Virginia	2.96	3.18	3.00	2.71	2.79	2.74	2.77	2.79
Wisconsin	3.47	3.24	3.10	3.07	2.99	2.97	3.09	3.10
Wyoming	3.09	3.03	3.04	2.90	2.80	2.81	2.86	2.85
Total	2.82	2.71	2.54	2.53	2.44	2.54	2.58	2.78

* The price for small volumes of natural gas representing onsystem sales to industrial consumers in Idaho is included as an annual figure but not distributed to monthly components.

NA = Not Available.

— = Not Applicable.

Notes: Data for 1992 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 28 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857.

**Table 27. Average Price of Natural Gas Delivered to Electric Utility^a
Consumers by State, 1992-1993
(Dollars per Thousand Cubic Feet)**

State	YTD 1993	YTD 1992	YTD 1991	August 1993	July 1993	June 1993	May 1993	April 1993
Alabama	2.53	2.02	1.79	2.61	2.42	2.50	3.18	2.69
Alaska	.63	.57	.53	.64	.63	.61	.63	.63
Arizona	2.94	2.19	1.92	2.87	2.89	3.14	3.21	2.64
Arkansas	2.19	1.53	1.41	2.36	2.23	2.14	1.71	1.61
California	3.16	2.58	2.98	3.15	3.12	3.01	3.56	3.20
Colorado	2.48	1.96	2.14	3.83	2.19	2.14	2.46	2.22
Connecticut	3.57	2.60	2.08	3.17	2.53	6.19	9.99	8.63
Delaware	3.29	2.56	2.38	3.31	2.82	3.05	3.90	5.31
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.41	2.18	2.12	2.32	2.39	2.37	2.67	2.59
Georgia	3.27	2.81	2.87	3.18	3.22	3.32	4.25	3.82
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.52	2.14	2.11	2.39	2.43	2.42	2.57	2.62
Indiana	2.78	2.33	2.19	2.78	2.88	2.81	3.04	2.57
Iowa	2.98	2.88	2.42	2.85	2.64	3.30	3.65	3.33
Kansas	2.29	1.88	1.61	2.25	2.27	2.18	2.56	2.53
Kentucky	3.07	2.61	2.69	2.92	2.82	3.06	3.87	3.22
Louisiana	2.44	1.72	1.52	2.51	2.34	2.34	2.98	2.55
Maine	—	—	—	—	—	—	—	—
Maryland	2.86	2.46	2.29	2.85	2.70	2.96	3.43	3.10
Massachusetts	2.72	2.44	2.22	2.57	2.57	2.47	3.01	2.88
Michigan	.91	.82	.72	1.50	1.36	.87	.30	.38
Minnesota	2.45	1.71	1.61	2.30	2.27	2.26	2.82	2.68
Mississippi	2.43	1.78	1.56	2.53	2.42	2.44	2.85	2.30
Missouri	2.36	1.86	1.45	2.34	2.34	2.26	2.79	2.56
Montana	5.22	3.16	5.11	5.04	4.91	3.87	3.34	8.88
Nebraska	2.63	2.13	1.74	3.01	2.35	2.26	2.87	2.45
Nevada	2.41	1.81	1.72	2.48	2.17	2.17	2.45	2.22
New Hampshire	2.21	2.20	—	—	2.11	2.21	2.21	2.22
New Jersey	2.33	2.09	1.96	2.34	2.20	2.44	2.70	2.72
New Mexico	2.22	1.79	1.61	2.24	2.08	1.96	2.61	2.36
New York	2.72	2.29	2.18	2.58	2.46	2.64	3.24	2.87
North Carolina	3.52	2.75	2.76	3.38	3.26	3.50	3.90	3.38
North Dakota	1.94	—	3.38	—	4.62	—	—	4.27
Ohio	3.16	2.21	2.12	3.92	3.67	3.32	3.54	3.72
Oklahoma	3.23	3.06	2.95	3.00	2.94	3.18	3.68	3.39
Oregon	2.19	1.77	1.34	2.09	—	—	—	—
Pennsylvania	2.59	2.74	3.11	2.67	2.54	2.56	3.21	3.14
Rhode Island	2.77	2.22	1.96	2.95	2.64	2.66	—	—
South Carolina	2.92	1.73	1.52	2.84	2.82	3.08	3.37	3.18
South Dakota	2.23	1.80	1.70	2.39	—	—	—	—
Tennessee	—	—	.95	—	—	—	—	—
Texas	2.44	2.06	1.93	2.51	2.32	2.31	2.72	2.58
Utah	2.15	1.81	1.75	2.51	2.60	2.17	2.73	1.87
Vermont	2.02	1.92	1.62	—	1.96	1.93	2.28	2.28
Virginia	2.87	2.46	1.79	2.63	2.79	3.02	5.31	2.90
Washington	4.27	3.37	4.02	3.80	3.44	5.90	7.68	6.52
West Virginia	3.90	3.18	3.89	5.73	4.27	5.40	3.86	3.80
Wisconsin	2.55	2.13	2.61	2.24	2.46	2.62	3.02	2.66
Wyoming	3.37	3.38	3.53	3.68	3.71	3.39	3.47	3.41
Total	2.60	2.18	2.09	2.60	2.46	2.47	2.90	2.75

See footnotes at end of table.

**Table 27. Average Price of Natural Gas Delivered to Electric Utility^a
Consumers by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)**

State	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992	October 1992	September 1992
Alabama	2.42	2.29	2.59	2.28	2.88	2.79	3.20	2.43
Alaska	.64	.64	.64	.57	.56	.56	.56	.57
Arizona	2.70	3.12	3.81	2.28	3.99	3.47	2.40	2.40
Arkansas	1.50	1.38	1.64	1.57	1.35	1.15	2.18	1.85
California	3.09	3.02	3.29	2.81	3.24	3.28	3.41	2.93
Colorado	2.39	2.33	2.51	2.14	2.49	2.45	2.50	1.94
Connecticut	6.07	3.50	6.86	2.74	6.11	7.15	6.29	6.31
Delaware	2.78	4.38	3.65	2.70	5.40	4.89	4.31	3.32
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.41	2.23	2.27	2.30	2.32	2.65	2.88	2.59
Georgia	3.90	3.51	3.90	2.89	4.38	4.05	4.32	2.30
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.00	3.08	2.99	2.24	3.11	3.05	2.93	2.39
Indiana	2.42	2.94	2.87	2.48	2.81	3.21	3.14	3.00
Iowa	3.30	3.34	3.37	3.08	3.42	3.37	3.77	3.51
Kansas	2.29	2.42	2.40	1.94	2.42	2.22	2.14	1.99
Kentucky	2.76	2.74	2.99	2.77	3.12	3.24	3.38	2.67
Louisiana	2.31	2.10	2.35	1.91	2.35	2.51	2.73	2.16
Maine	—	—	—	—	—	—	—	—
Maryland	2.82	2.86	3.14	2.66	4.07	3.79	3.78	2.82
Massachusetts	2.92	3.25	3.51	2.68	3.70	3.27	3.43	2.81
Michigan	.45	.85	.68	.81	.64	.67	.56	1.28
Minnesota	2.38	2.52	2.81	1.85	2.74	2.52	3.35	1.89
Mississippi	2.23	1.98	2.06	1.85	2.34	2.46	2.66	2.22
Missouri	2.71	2.42	2.62	1.89	2.75	2.61	2.13	2.31
Montana	10.41	2.78	7.62	3.30	2.44	2.38	9.41	3.76
Nebraska	2.46	2.61	2.88	2.28	2.84	2.32	2.46	2.27
Nevada	2.42	3.11	3.17	1.91	3.12	2.44	2.55	1.87
New Hampshire	—	—	—	2.20	—	—	—	2.20
New Jersey	2.51	2.35	2.66	2.18	3.09	2.98	2.92	2.42
New Mexico	2.21	2.06	2.35	1.99	2.40	2.45	2.67	2.30
New York	2.76	2.66	3.02	2.48	3.21	3.12	3.22	2.55
North Carolina	3.71	4.11	4.16	2.96	4.15	4.10	3.22	3.15
North Dakota	—	—	—	4.18	4.46	—	—	4.05
Ohio	2.34	2.64	2.79	2.31	2.59	4.17	2.66	1.97
Oklahoma	3.57	3.37	3.31	3.20	3.25	3.76	4.11	3.29
Oregon	2.09	1.99	2.96	1.97	2.44	2.15	2.40	2.05
Pennsylvania	2.58	2.41	2.47	3.06	3.51	5.19	4.07	3.49
Rhode Island	—	—	—	2.20	—	—	—	2.84
South Carolina	3.20	3.61	3.78	1.73	3.72	3.33	3.30	2.74
South Dakota	2.62	—	—	2.88	2.95	2.92	4.04	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.40	2.32	2.46	2.25	2.67	2.69	2.90	2.34
Utah	1.86	1.87	2.03	1.87	2.27	1.80	1.99	1.98
Vermont	3.33	3.60	3.30	2.00	3.14	3.02	2.18	2.24
Virginia	3.01	3.10	2.57	2.47	2.70	.48	5.05	2.20
Washington	4.05	3.73	3.70	3.31	4.54	4.57	5.97	3.32
West Virginia	4.18	—	4.04	3.53	3.51	3.27	3.34	4.27
Wisconsin	2.33	2.68	3.22	2.42	3.41	3.33	3.47	2.80
Wyoming	3.20	3.21	3.25	3.33	3.29	3.22	3.21	3.19
Total	2.61	2.55	2.70	2.36	2.81	2.87	3.04	2.51

See footnotes at end of table.

**Table 27. Average Price of Natural Gas Delivered to Electric Utility^a
Consumers by State, 1992-1993 (Continued)
(Dollars per Thousand Cubic Feet)**

State	August 1992	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992	January 1992
Alabama	2.36	1.98	2.15	2.05	1.86	1.70	1.62	2.28
Alaska	.54	.55	.57	.55	.56	.59	.60	.62
Arizona	2.40	2.21	2.27	2.14	1.81	2.02	2.09	2.35
Arkansas	1.85	1.64	1.50	1.52	1.44	1.36	1.33	1.33
California	2.73	2.57	2.39	2.39	2.50	2.36	2.42	3.22
Colorado	1.80	1.98	1.84	1.98	2.02	1.81	2.26	2.20
Connecticut	2.82	2.58	2.62	2.57	2.25	2.23	6.29	6.30
Delaware	2.68	2.22	2.47	2.86	2.35	2.68	2.63	2.80
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.51	2.41	2.41	2.29	2.01	1.82	1.74	1.93
Georgia	2.75	2.83	2.61	2.99	2.78	3.18	3.19	3.64
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.43	2.37	2.29	2.07	2.03	1.69	2.10	2.64
Indiana	2.57	2.31	2.30	2.11	2.44	2.18	2.19	2.63
Iowa	3.32	2.80	3.01	2.93	2.76	2.56	2.35	3.23
Kansas	1.98	1.83	2.08	1.67	1.73	1.87	1.85	2.02
Kentucky	2.59	2.46	2.60	2.71	2.67	2.57	2.32	2.80
Louisiana	2.04	1.72	1.90	1.78	1.56	1.36	1.31	1.75
Maine	—	—	—	—	—	—	—	—
Maryland	2.73	2.33	2.45	2.15	2.38	2.57	2.75	3.44
Massachusetts	2.67	2.58	2.37	2.17	2.19	2.39	3.98	4.48
Michigan	.51	.63	.81	1.34	.93	.71	.94	.66
Minnesota	1.81	1.76	1.64	1.54	1.82	1.53	1.65	2.29
Mississippi	2.17	1.87	1.97	1.72	1.65	1.49	1.33	2.26
Missouri	2.14	1.49	1.94	2.12	1.60	2.89	1.72	2.89
Montana	2.93	2.19	2.48	3.04	1.40	6.28	8.22	7.35
Nebraska	2.50	2.12	2.10	2.31	1.54	2.02	2.58	2.80
Nevada	2.25	1.86	1.95	1.59	1.43	1.53	1.45	1.94
New Hampshire	2.20	—	—	—	—	—	—	—
New Jersey	2.35	2.02	2.23	2.26	1.84	1.73	2.22	2.83
New Mexico	2.11	1.72	1.77	1.72	1.61	1.64	1.54	2.09
New York	2.39	2.06	2.30	2.28	2.19	2.27	2.37	2.82
North Carolina	2.83	2.78	2.83	2.52	2.53	2.69	2.68	2.86
North Dakota	4.30	4.03	—	—	—	4.28	—	—
Ohio	2.01	2.11	2.14	2.06	2.08	2.49	2.31	2.46
Oklahoma	3.19	2.92	3.08	2.72	2.74	2.92	3.35	3.83
Oregon	1.99	1.72	1.88	—	—	—	1.53	1.81
Pennsylvania	3.20	2.34	2.73	3.16	2.90	2.91	3.07	3.09
Rhode Island	2.45	2.45	2.27	2.13	2.04	1.86	—	—
South Carolina	2.46	1.91	1.71	2.56	3.15	1.46	3.29	3.45
South Dakota	2.61	—	—	—	—	—	—	2.60
Tennessee	—	—	—	—	—	—	—	—
Texas	2.30	1.99	2.06	2.03	1.99	1.94	1.92	2.23
Utah	1.92	1.76	1.74	1.67	1.82	1.83	1.88	1.82
Vermont	2.16	2.09	1.94	1.77	1.74	1.63	2.57	2.85
Virginia	3.10	2.18	2.67	2.59	2.32	2.22	2.43	2.54
Washington	2.94	2.95	3.31	3.57	7.71	4.18	3.13	3.01
West Virginia	3.40	5.36	3.26	1.21	—	3.66	3.89	3.60
Wisconsin	2.30	2.21	2.06	2.01	1.94	1.88	2.72	2.89
Wyoming	3.22	3.22	3.31	3.37	3.36	3.48	3.49	3.51
Total	2.42	2.13	2.18	2.11	2.07	1.99	2.03	2.49

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

^b Average prices calculated from data reported on Form EIA-176.

— = Not Applicable.

Notes: Data for 1992 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

Sources: Form FERC-423 and Form EIA-176.

Table 28. Percentage of Total Deliveries Represented by Onsystem Sales by State, 1991-1993

State	September 1993		August 1993		July 1993		June 1993	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	69.2	18.2	68.8	17.7	70.9	20.1	71.9	18.2
Alaska	100.0	68.6	100.0	61.3	100.0	73.3	100.0	79.7
Arizona	89.9	22.8	89.2	24.7	87.9	24.8	90.3	18.7
Arkansas	85.6	14.1	84.6	14.5	85.8	13.1	84.1	14.3
California	69.2	35.4	68.9	31.6	75.1	33.7	70.0	31.4
Colorado	94.0	33.5	92.7	32.8	92.6	32.4	95.2	30.1
Connecticut	NA	NA	99.1	93.0	86.5	68.1	99.2	71.9
Delaware	100.0	79.2	100.0	78.0	100.0	75.3	100.0	69.3
District of Columbia	90.1	—	88.3	—	96.8	—	99.8	—
Florida	97.2	20.8	96.9	17.2	97.0	17.5	97.6	35.4
Georgia	84.6	21.0	83.9	25.2	84.3	30.3	81.6	23.1
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	79.3	.0	81.4	.0	82.9	.0	82.5	.0
Illinois	50.1	7.7	38.4	6.4	43.0	5.6	43.5	7.2
Indiana	92.4	13.1	90.5	15.6	89.9	13.0	91.4	14.2
Iowa	88.3	10.4	88.2	10.3	89.7	10.1	90.3	8.0
Kansas	80.2	16.6	85.5	19.9	82.1	16.9	78.8	14.4
Kentucky	87.8	24.4	85.2	16.3	89.2	17.8	93.0	24.3
Louisiana	98.7	30.2	98.7	31.6	98.8	31.0	98.8	31.8
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	93.3	11.9	93.3	10.5	94.9	10.7	96.1	47.9
Massachusetts	99.5	39.9	99.6	54.0	99.7	52.3	99.8	53.0
Michigan	49.3	3.8	52.9	2.7	48.9	2.7	50.0	3.0
Minnesota	96.7	43.2	87.5	30.2	88.3	32.8	93.4	48.4
Mississippi	85.8	29.4	99.1	25.9	88.4	29.4	91.6	31.1
Missouri	73.4	20.4	68.2	16.5	71.2	18.5	73.8	17.6
Montana	87.6	4.0	91.3	8.3	91.3	7.7	91.2	9.9
Nebraska	92.8	23.4	86.2	19.2	87.5	23.3	87.7	23.1
Nevada	89.8	4.1	86.9	4.2	89.9	3.3	90.8	3.8
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	85.0	55.3	80.3	53.2	87.5	53.0	86.8	53.5
New Mexico	37.0	2.9	50.2	7.1	51.9	4.9	54.3	2.1
New York	74.0	15.9	73.3	14.1	70.3	13.5	67.5	16.0
North Carolina	99.4	70.3	89.6	54.0	90.0	53.0	90.1	54.8
North Dakota	53.5	17.2	54.0	14.9	58.1	16.6	62.6	15.7
Ohio	72.3	7.1	69.1	5.8	74.3	8.1	73.6	6.6
Oklahoma	82.3	25.7	80.9	31.9	79.2	31.1	82.0	28.3
Oregon	97.3	29.8	97.5	28.7	97.6	25.7	97.8	27.2
Pennsylvania	NA	NA	65.4	19.3	72.5	17.1	72.5	17.6
Rhode Island	100.0	12.1	100.0	9.1	100.0	9.6	100.0	12.1
South Carolina	100.0	58.8	93.5	59.3	94.0	60.4	100.0	61.4
South Dakota	75.8	52.1	72.9	48.4	75.0	55.2	73.3	38.4
Tennessee	89.7	34.7	89.4	35.2	89.9	32.0	89.6	39.3
Texas	78.7	NA	83.2	31.5	80.9	29.7	78.3	27.5
Utah	100.0	15.7	100.0	13.9	100.0	12.3	100.0	12.3
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	84.5	15.1	75.2	10.3	83.9	10.8	86.3	14.3
Washington	90.7	35.5	90.5	33.3	90.6	34.6	89.8	38.8
West Virginia	28.3	9.3	25.9	7.5	25.7	11.5	28.4	8.3
Wisconsin	88.4	41.7	87.0	37.3	87.6	38.1	89.3	36.6
Wyoming	94.7	1.7	96.4	1.9	97.1	2.1	96.9	4.1
Total	71.8	21.7	70.9	24.8	78.3	26.7	78.0	26.3

See footnotes at end of table.

Table 28. Percentage of Total Deliveries Represented by Onsystem Sales by State, 1991-1993 (Continued)

State	May 1993		April 1993		March 1993		February 1993	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	75.3	17.1	80.3	19.8	82.4	20.0	81.8	22.1
Alaska	100.0	70.9	100.0	73.4	100.0	70.1	100.0	73.4
Arizona	90.9	26.8	89.7	24.0	92.2	28.0	93.1	25.7
Arkansas	87.5	14.3	91.8	16.0	92.7	16.1	93.0	16.6
California	75.6	34.1	79.6	35.9	76.5	36.1	81.3	44.7
Colorado	94.9	30.1	95.5	34.2	96.3	32.7	96.2	34.9
Connecticut	99.3	69.5	98.0	70.0	97.1	73.5	97.6	73.5
Delaware	100.0	75.0	100.0	72.5	100.0	73.7	100.0	75.5
District of Columbia	100.0	—	100.0	—	100.0	—	100.0	—
Florida	97.5	30.6	97.3	28.6	96.6	28.7	96.6	31.0
Georgia	85.3	23.4	90.1	26.5	94.1	35.2	92.3	37.3
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	87.5	.0	88.0	.0	91.1	.0	90.0	.0
Illinois	51.6	8.5	56.5	16.1	58.5	15.4	58.5	16.9
Indiana	100.0	25.0	99.4	26.0	99.6	27.4	93.7	26.9
Iowa	92.3	12.9	96.0	12.0	95.4	15.0	96.3	18.2
Kansas	84.4	12.3	83.5	12.6	85.2	10.6	82.1	8.8
Kentucky	91.9	28.5	93.1	37.7	95.0	29.0	95.1	21.4
Louisiana	98.9	34.6	98.5	35.3	97.9	31.8	97.8	34.7
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	94.6	7.7	96.2	9.1	96.5	22.1	97.4	15.0
Massachusetts	99.7	58.6	99.7	52.5	99.8	51.7	99.8	55.3
Michigan	62.2	5.3	66.6	8.6	71.3	10.3	71.1	10.9
Minnesota	99.3	50.1	99.2	45.9	96.5	48.5	96.9	48.8
Mississippi	95.6	33.4	96.7	32.3	92.7	35.9	84.5	34.6
Missouri	80.2	22.4	86.8	24.3	88.8	27.3	86.4	28.7
Montana	95.0	13.8	94.0	14.1	95.0	15.0	94.1	16.1
Nebraska	97.8	29.5	93.0	24.2	94.1	42.4	94.4	45.4
Nevada	92.6	3.4	91.1	3.7	94.3	7.6	96.0	6.9
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	88.8	54.6	91.5	55.5	93.9	58.6	94.2	60.5
New Mexico	59.6	10.4	61.3	1.7	66.2	1.6	62.6	2.9
New York	72.5	14.8	78.8	22.0	83.2	25.6	82.4	28.4
North Carolina	100.0	94.3	100.0	95.7	100.0	92.9	100.0	94.0
North Dakota	73.3	19.0	76.9	26.2	77.4	29.5	73.9	31.5
Ohio	75.8	7.3	83.6	10.7	86.7	13.6	86.8	12.6
Oklahoma	88.3	27.3	90.2	31.1	91.1	27.2	91.4	37.5
Oregon	97.6	21.8	97.9	22.1	98.5	23.9	99.0	26.0
Pennsylvania	71.4	23.6	77.7	27.0	79.0	25.3	79.2	26.7
Rhode Island	100.0	10.4	100.0	10.7	100.0	11.7	100.0	11.8
South Carolina	100.0	55.9	100.0	58.3	100.0	67.0	100.0	70.0
South Dakota	76.4	43.7	81.2	55.1	84.4	54.4	83.9	61.4
Tennessee	97.3	38.8	95.8	45.9	95.9	46.5	96.3	44.9
Texas	77.6	29.9	83.2	28.0	83.8	30.2	85.2	29.1
Utah	100.0	12.2	100.0	12.5	100.0	12.0	100.0	12.3
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.1	21.7	86.3	16.2	88.7	13.2	90.9	15.3
Washington	90.9	42.1	93.7	45.2	93.9	44.4	93.3	46.0
West Virginia	40.6	8.4	53.3	7.7	54.9	8.1	54.9	6.7
Wisconsin	90.1	40.7	91.8	42.7	94.2	49.0	95.1	48.6
Wyoming	98.4	3.2	98.2	3.1	98.5	5.0	98.3	4.3
Total	81.6	28.4	84.3	29.3	85.8	30.1	85.8	31.2

See footnotes at end of table.

Table 28. Percentage of Total Deliveries Represented by Onsystem Sales by State, 1991-1993 (Continued)

State	January 1993		Total 1992		December 1992		November 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.4	20.4	80.7	29.9	80.6	31.1	74.2	30.4
Alaska	100.0	78.0	100.0	69.8	100.0	73.9	100.0	72.3
Arizona	93.1	29.3	92.6	29.6	92.9	31.6	89.1	28.8
Arkansas	92.5	16.7	90.7	13.8	90.8	20.1	88.7	15.3
California	78.8	31.7	74.5	27.5	81.4	30.0	76.7	27.7
Colorado	96.3	35.4	95.5	32.2	96.2	37.0	93.7	32.4
Connecticut	97.1	71.6	96.5	65.6	98.4	75.3	98.2	78.9
Delaware	100.0	71.9	100.0	65.0	100.0	74.0	100.0	72.3
District of Columbia	100.0	—	99.0	—	100.0	—	100.0	—
Florida	96.5	32.6	97.7	32.9	97.0	35.1	97.4	31.8
Georgia	90.8	32.0	88.1	35.0	92.9	40.3	87.9	29.4
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	89.5	.0	85.7	.3	88.3	.0	82.2	.0
Illinois	61.2	21.2	57.7	15.0	59.9	20.7	60.5	22.1
Indiana	94.3	23.9	96.8	23.2	98.0	22.3	99.9	29.8
Iowa	96.3	16.3	95.7	17.6	96.7	23.9	96.1	26.7
Kansas	83.4	10.2	84.4	10.2	82.7	8.6	78.0	10.4
Kentucky	94.9	20.0	93.1	35.1	94.9	27.0	94.6	35.4
Louisiana	97.3	34.7	87.5	37.6	86.4	34.0	81.4	32.8
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	97.3	18.6	96.0	20.1	97.4	30.5	97.0	41.0
Massachusetts	99.8	56.2	99.8	45.4	99.8	33.9	99.7	36.6
Michigan	73.2	11.6	68.8	9.1	73.1	12.8	68.6	8.6
Minnesota	98.8	50.5	96.2	42.3	97.6	54.4	96.5	48.9
Mississippi	91.7	34.9	96.4	45.5	97.4	44.8	95.9	45.4
Missouri	87.9	29.4	85.5	24.5	87.2	27.0	81.0	21.7
Montana	95.5	16.5	95.4	17.5	94.6	13.2	92.8	14.1
Nebraska	93.7	45.0	88.2	41.2	90.9	44.6	87.1	45.8
Nevada	97.1	6.1	88.3	7.5	95.4	14.1	88.5	6.4
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	93.8	63.4	92.4	55.7	96.9	59.5	94.8	63.9
New Mexico	67.8	4.8	70.0	4.3	61.1	9.8	57.0	8.2
New York	82.3	25.4	77.7	23.3	81.5	27.7	82.6	24.2
North Carolina	100.0	97.1	95.9	81.0	100.0	98.9	100.0	97.5
North Dakota	77.1	34.3	68.9	21.6	68.9	31.0	67.3	25.7
Ohio	89.3	11.2	85.6	11.6	88.5	14.5	85.7	12.8
Oklahoma	91.2	41.3	88.5	23.7	88.1	41.5	86.9	31.8
Oregon	98.6	25.4	97.8	20.7	98.4	24.4	97.4	22.7
Pennsylvania	80.0	29.3	75.8	22.9	79.4	34.3	74.1	30.4
Rhode Island	100.0	10.8	100.0	11.4	100.0	11.0	100.0	12.5
South Carolina	100.0	72.2	98.6	66.9	100.0	74.7	100.0	69.8
South Dakota	86.5	68.3	82.4	52.6	84.7	68.6	81.8	64.4
Tennessee	96.0	39.2	96.4	49.6	97.4	48.8	97.5	48.8
Texas	83.9	30.0	79.7	31.3	78.6	32.0	75.3	28.0
Utah	100.0	9.9	100.0	11.7	100.0	13.4	100.0	10.2
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.1	14.5	90.7	25.6	90.3	30.4	86.6	30.2
Washington	93.8	48.0	87.3	37.4	92.3	44.8	86.8	36.6
West Virginia	54.3	8.8	58.9	16.2	58.9	24.2	56.8	16.7
Wisconsin	94.1	46.6	91.3	41.5	95.1	49.0	93.4	46.2
Wyoming	98.6	4.8	98.0	3.6	98.3	4.5	98.2	4.0
Total	86.2	30.8	83.2	30.3	85.6	32.5	83.1	30.8

See footnotes at end of table.

Table 28. Percentage of Total Deliveries Represented by Onsystem Sales by State, 1991-1993 (Continued)

State	October 1992		September 1992		August 1992		July 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	73.2	28.7	74.4	26.5	74.7	28.9	75.3	29.9
Alaska	100.0	71.2	100.0	81.3	100.0	60.1	100.0	66.7
Arizona	91.2	30.1	90.5	27.2	88.0	26.0	86.3	26.8
Arkansas	87.6	14.4	86.4	12.2	85.4	12.2	85.9	12.4
California	79.0	31.6	79.7	33.3	64.6	29.8	60.9	31.1
Colorado	91.2	37.3	93.6	40.5	93.3	34.6	94.2	40.0
Connecticut	97.8	69.7	98.7	63.9	98.8	61.8	95.8	54.2
Delaware	100.0	68.8	100.0	61.9	100.0	62.3	100.0	59.0
District of Columbia	100.0	—	99.0	—	99.5	—	91.4	—
Florida	98.2	28.9	98.3	32.3	98.1	31.6	98.1	34.5
Georgia	84.6	30.0	83.4	40.5	83.3	35.6	79.7	31.4
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	77.9	.0	80.2	.0	82.4	.0	81.0	.0
Illinois	55.5	19.5	47.0	12.8	49.2	7.9	44.4	7.4
Indiana	99.8	28.3	91.9	20.9	99.6	25.6	92.8	17.8
Iowa	91.0	19.2	88.7	13.3	90.6	13.1	91.3	11.8
Kansas	81.1	9.8	86.9	10.7	88.9	13.6	88.4	12.2
Kentucky	93.0	57.3	87.9	51.3	87.4	42.9	86.7	45.2
Louisiana	90.6	33.5	91.1	36.4	90.2	30.2	90.6	30.6
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	95.0	18.6	94.1	8.4	92.7	9.1	93.1	7.4
Massachusetts	99.6	43.6	99.6	44.7	99.6	44.9	99.7	47.7
Michigan	61.1	5.7	49.9	4.2	51.6	4.0	48.5	4.6
Minnesota	99.4	45.0	93.0	39.9	89.8	36.3	93.1	32.7
Mississippi	95.6	43.3	95.6	43.1	94.8	45.6	95.5	45.1
Missouri	76.1	26.8	74.5	18.5	75.8	21.5	71.9	18.2
Montana	92.0	11.1	90.6	9.3	96.8	14.8	95.4	15.1
Nebraska	84.5	40.0	80.5	33.4	83.6	36.9	85.6	32.1
Nevada	88.9	6.5	82.7	6.3	81.4	6.7	84.8	4.7
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	86.4	57.9	80.7	55.9	80.7	55.7	88.6	52.8
New Mexico	57.9	3.2	60.8	9.1	64.4	2.1	62.4	1.9
New York	76.0	21.1	69.3	16.1	69.3	13.7	72.9	17.3
North Carolina	99.9	96.7	89.2	75.1	86.2	61.1	84.3	46.9
North Dakota	56.8	18.0	57.2	14.2	58.8	13.0	61.6	12.6
Ohio	84.2	12.2	73.1	7.4	73.5	9.2	72.0	7.3
Oklahoma	85.3	28.3	84.3	25.4	85.7	21.8	80.2	16.2
Oregon	94.6	18.7	97.8	17.8	98.7	17.6	97.9	17.5
Pennsylvania	74.0	29.4	69.4	20.5	67.2	17.9	68.1	14.1
Rhode Island	100.0	12.1	100.0	13.3	100.0	9.1	100.0	12.1
South Carolina	99.7	66.6	97.0	63.2	95.8	65.4	95.5	61.9
South Dakota	76.5	59.2	78.0	54.7	74.6	50.3	72.3	32.7
Tennessee	97.3	48.5	91.6	38.9	90.4	43.1	97.3	43.8
Texas	72.4	33.3	71.9	29.4	75.9	32.8	77.0	31.4
Utah	100.0	11.7	100.0	11.9	100.0	11.6	100.0	11.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.9	26.0	83.8	30.9	85.9	21.5	86.9	14.0
Washington	83.4	37.1	81.6	39.3	80.3	34.6	78.5	36.1
West Virginia	48.1	13.6	33.4	13.8	33.6	14.4	35.8	10.3
Wisconsin	90.7	38.4	85.2	34.8	84.1	33.2	83.3	32.0
Wyoming	97.2	2.7	97.4	2.3	97.1	2.4	96.5	2.3
Total	80.9	31.4	78.0	29.3	76.1	28.6	76.0	27.4

See footnotes at end of table.

Table 28. Percentage of Total Deliveries Represented by Onsystem Sales by State, 1991-1993 (Continued)

State	June 1992		May 1992		April 1992		March 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	77.6	28.3	79.0	28.4	83.2	29.4	84.0	35.6
Alaska	100.0	69.9	100.0	67.7	100.0	68.8	100.0	69.1
Arizona	88.9	26.3	89.9	26.3	92.7	31.4	96.3	33.0
Arkansas	87.0	13.1	88.4	12.6	92.7	14.4	91.3	10.3
California	74.5	26.2	63.5	24.3	79.0	36.1	75.7	24.0
Colorado	96.0	27.9	95.1	28.5	95.7	25.8	95.9	27.6
Connecticut	87.2	52.1	93.6	54.1	94.4	59.2	95.6	62.7
Delaware	100.0	59.9	100.0	63.4	100.0	61.0	100.0	62.1
District of Columbia	100.0	—	97.6	—	97.4	—	100.0	—
Florida	98.2	38.1	98.3	38.5	98.2	27.8	97.4	29.0
Georgia	82.7	30.1	85.0	40.2	88.2	46.0	89.3	32.6
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	80.2	.0	83.1	.0	85.2	.0	87.1	.0
Illinois	43.4	5.6	53.0	9.1	57.5	11.9	59.5	14.6
Indiana	99.9	22.8	99.7	24.7	99.1	22.4	98.6	20.2
Iowa	93.2	12.8	94.3	14.2	96.2	15.0	96.5	15.5
Kansas	86.8	9.8	88.8	13.5	86.8	10.5	83.9	7.4
Kentucky	86.9	47.3	87.9	33.7	91.9	22.2	93.6	17.6
Louisiana	90.1	28.7	90.5	46.3	90.6	42.4	88.7	43.1
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	92.8	7.0	94.1	5.8	95.6	15.1	96.3	23.5
Massachusetts	99.8	44.2	99.7	48.9	99.8	53.1	99.8	42.4
Michigan	55.5	4.7	66.6	7.2	70.5	10.6	71.4	12.0
Minnesota	88.3	37.1	92.2	35.6	95.5	39.8	96.0	42.4
Mississippi	95.4	43.4	95.2	44.6	96.6	45.5	96.4	47.2
Missouri	80.6	18.6	82.7	17.5	88.1	28.4	89.1	26.2
Montana	94.9	16.3	96.6	17.3	96.5	23.4	96.7	27.3
Nebraska	81.7	33.0	88.7	43.1	90.9	40.3	89.9	48.5
Nevada	84.0	7.5	83.7	6.2	87.2	6.9	88.3	6.6
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	91.3	53.6	94.1	51.8	87.7	48.4	92.1	53.9
New Mexico	66.5	2.4	64.0	7.6	73.0	.7	75.3	1.6
New York	70.9	15.6	72.4	19.8	77.3	24.6	79.5	27.4
North Carolina	85.8	61.1	88.3	61.8	93.1	73.3	99.2	95.1
North Dakota	63.8	14.7	73.6	21.0	71.6	24.9	72.0	21.3
Ohio	73.9	8.4	78.9	8.4	85.7	12.0	88.4	13.2
Oklahoma	84.1	17.0	85.4	16.8	90.9	16.4	87.7	18.6
Oregon	97.8	20.4	97.7	24.4	97.7	24.5	97.4	23.4
Pennsylvania	73.1	12.3	71.8	14.7	75.1	20.4	76.6	21.5
Rhode Island	100.0	9.8	100.0	15.1	100.0	13.3	100.0	11.1
South Carolina	95.8	64.6	98.5	69.2	98.6	61.6	98.9	62.0
South Dakota	73.5	39.2	80.7	40.9	83.1	44.4	85.6	46.5
Tennessee	95.8	47.9	93.7	50.6	97.2	50.7	96.8	56.0
Texas	77.8	35.0	79.5	31.0	83.6	32.4	83.4	28.3
Utah	100.0	10.7	100.0	11.3	100.0	11.8	100.0	10.8
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.4	30.3	88.9	25.0	91.7	26.4	93.7	23.5
Washington	80.7	36.1	83.5	34.8	85.5	35.0	88.7	37.5
West Virginia	39.3	12.6	54.5	14.9	63.0	17.4	59.9	18.1
Wisconsin	82.3	31.9	85.8	36.9	90.0	42.3	91.6	44.5
Wyoming	97.2	2.5	97.9	3.2	98.4	4.3	97.8	4.8
Total	79.4	28.0	79.3	29.8	84.0	31.3	84.7	29.9

See footnotes at end of table.

Table 28. Percentage of Total Deliveries Represented by Onsystem Sales by State, 1991-1993 (Continued)

State	February 1992		January 1992		Total 1991		December 1991	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	86.8	32.2	83.7	29.1	82.7	31.4	81.7	30.4
Alaska	100.0	68.1	100.0	68.7	100.0	69.1	100.0	70.8
Arizona	97.0	32.9	97.2	33.1	93.2	48.1	97.7	40.4
Arkansas	94.7	16.4	93.0	11.5	91.5	19.4	92.3	19.0
California	65.6	22.9	86.6	20.6	77.8	29.8	80.3	25.6
Colorado	96.7	25.0	96.7	28.2	96.0	34.7	96.3	29.9
Connecticut	97.2	72.0	97.7	75.8	93.0	68.2	96.8	73.5
Delaware	100.0	63.7	100.0	65.9	100.0	65.9	100.0	67.3
District of Columbia	100.0	—	99.6	—	97.3	—	99.5	—
Florida	97.2	28.2	96.6	38.2	97.4	40.7	96.8	40.1
Georgia	90.6	28.8	90.8	34.4	87.5	36.8	92.5	35.7
Hawaii	100.0	—	100.0	—	100.0	—	100.0	—
Idaho	89.0	.0	89.4	.0	87.6	.4	87.5	.4
Illinois	58.2	16.8	63.0	21.2	59.0	15.4	60.3	21.1
Indiana	92.4	19.8	93.6	23.2	94.2	21.4	95.4	25.9
Iowa	97.4	19.8	97.6	22.1	97.7	28.1	98.0	26.1
Kansas	83.8	9.4	82.9	8.5	89.2	15.1	85.3	11.5
Kentucky	94.2	20.2	95.4	31.8	94.0	26.8	95.5	37.4
Louisiana	87.7	44.8	82.3	43.8	99.1	45.3	97.6	44.5
Maine	100.0	100.0	100.0	100.0	100.0	95.9	100.0	100.0
Maryland	97.2	29.7	97.2	32.2	96.6	15.8	97.4	24.2
Massachusetts	99.9	47.4	99.9	60.0	99.8	71.0	99.9	68.7
Michigan	74.5	14.0	73.7	15.5	68.3	10.8	70.0	12.9
Minnesota	95.3	40.9	99.6	46.4	95.2	41.8	99.0	55.5
Mississippi	97.3	51.5	96.9	46.2	95.9	48.0	96.4	47.6
Missouri	90.1	31.0	89.7	29.5	85.9	25.3	88.5	30.4
Montana	98.0	26.6	97.1	24.7	97.5	54.5	97.2	24.4
Nebraska	91.6	43.1	91.7	50.2	91.8	46.4	91.4	60.6
Nevada	89.5	9.1	90.6	8.6	90.8	14.1	89.0	12.5
New Hampshire	100.0	100.0	100.0	100.0	100.0	94.1	100.0	100.0
New Jersey	95.7	56.6	96.9	55.9	93.9	55.9	97.0	67.3
New Mexico	84.9	1.7	84.7	3.8	77.7	10.5	72.9	6.3
New York	78.9	31.0	81.0	33.5	80.7	29.4	81.1	32.4
North Carolina	99.2	93.8	99.3	98.4	95.0	72.5	99.3	97.8
North Dakota	73.7	28.9	71.7	25.7	70.0	23.9	70.1	27.6
Ohio	88.0	14.9	89.1	14.5	86.7	12.0	89.8	15.0
Oklahoma	92.3	19.3	91.6	30.2	91.3	42.0	90.6	30.0
Oregon	98.4	19.4	98.6	19.9	97.9	19.1	98.0	21.6
Pennsylvania	79.6	23.4	77.1	29.3	77.3	20.9	76.7	27.4
Rhode Island	100.0	8.2	100.0	9.2	100.0	14.3	100.0	9.7
South Carolina	99.1	69.0	99.1	77.9	98.2	70.4	98.9	71.1
South Dakota	83.3	53.4	87.0	67.2	81.8	55.1	85.2	62.8
Tennessee	97.1	57.4	96.6	57.3	95.7	55.6	97.8	59.4
Texas	85.6	32.5	86.9	30.1	89.3	30.7	87.6	27.4
Utah	100.0	12.4	100.0	12.8	100.0	15.3	100.0	10.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	93.3	27.5	94.6	25.4	93.6	28.8	93.5	38.2
Washington	89.0	38.1	92.1	38.0	92.2	44.2	92.1	40.2
West Virginia	65.9	18.3	65.0	16.4	54.9	21.4	58.0	18.8
Wisconsin	92.1	46.6	92.7	46.3	91.0	42.7	92.1	48.7
Wyoming	98.1	4.9	98.6	5.3	99.0	6.3	98.5	6.3
Total	85.2	31.4	87.1	31.8	85.1	32.7	86.1	32.3

NA = Not Available.

— = Not Applicable

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

Source: Form EIA-857.

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1989-1993

Source: Form EIA-857.

Appendix A

Explanatory Notes

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly*. These data are preliminary when initially published. Some of these monthly data are estimates

developed by EIA staff. Others are taken or estimated from submitted reports. The table below lists the methodologies for deriving the monthly data to be published initially for the components of supply and disposition.

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

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

Note 1. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production--carbon dioxide, helium, hydrogen sulfide, and nitrogen--are reported by State agencies on the voluntary Form EIA-627. For 1992, of the 33 producing States, 23 reported data on nonhydrocarbon gases removed. The 23 States accounted for 61 percent of total 1992 gross withdrawals. Of the 23 States reporting nonhydrocarbon gases removed, 13 reported zero values: Alaska, Arizona, Arkansas, Colorado, Illinois, Indiana, Maryland, Missouri, Nevada, New York, Oregon, South Dakota, and Virginia. The eight States reporting volumes greater than zero are Alabama, California, Florida, Mississippi, New Mexico, North Dakota, Texas, and Wyoming. Two States (Kentucky and Nebraska) reported quantities unknown but considered insignificant. In addition, Kansas, Louisiana, Montana, and Oklahoma, which together accounted for 35 percent of gross withdrawals, did not report nonhydrocarbon gases removed separately. However, their gross withdrawal data excluded all or most of the nonhydrocarbon gases removed on leases. No estimates are made for States not reporting nonhydrocarbon gases removed.

Preliminary Monthly Data

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Three States report monthly data on nonhydrocarbon gases removed: Alabama, Texas, and Mississippi. Monthly data for California, Colorado, Florida, New Mexico, North Dakota, and Wyoming are estimated based on annual data reported on Form EIA-627. Nonhydrocarbon gases as an annual percentage of gross withdrawals reported by each of the six States is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

Final Monthly Data

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

For States not supplying monthly data on the EIA-627, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-627 and the sum of monthly data (January-December).

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

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

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

Note 3. Production

Annual Data

Natural gas production data are collected from 33 gas-producing States on Form EIA-627 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

Estimated Monthly Data

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-627 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-627

for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the that item to gross withdrawals as reported on the EIA-627. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-627 for the previous year.

Preliminary Monthly Data

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

Final Monthly Data

Final monthly data for 1991 and 1992 are the sums of monthly data reported on the annual Form EIA-627, "Annual Quantity and Value of Natural Gas Report." For prior years, the differences between each State's annual production data reported on the EIA-627 and the sum of its monthly IOGCC reports for the year were allocated proportionally to the monthly IOGCC data.

Note 4. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are published from the annual Form FPC-14, which requires data to be reported by month for the calendar year.

Preliminary Monthly Data - Imports

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

Preliminary Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Form FPC-14, informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls. Comparison of preliminary and final monthly data on exports has indicated that preliminary figures do not provide good estimates of the trend in exports. Thus caution should be used in making inferences from these data.

Note 5. Consumption

All Annual Data

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

Monthly Data

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

Total Consumption

Estimated Monthly Data

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

Final Monthly Data

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

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

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

Average Price of Deliveries to Consumers

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

The prices reported for deliveries to residential, commercial, or industrial consumers in Tables 24, 25, and 26 represent the ratio of revenues reported by respondents to Form EIA-857 to volumes of natural gas sold and delivered to customers in each of the three consumer classes. Revenues contain not only the commodity charge but also all the incidental "costs of doing business" which public utility commissions consider in allowing the tariffs, as well as taxes charged to the customer and passed along to the appropriate government units. Some of the incidental costs represent companies' investments -- such as pipe to deliver gas -- and labor.

Final Monthly Data

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

The seasonal pattern of prices for residential customers, where the ratio is higher in the summer months and lower in the winter, reflects the fact the reported revenues contain not only the commodity cost of the gas consumed, but also the incidental costs involved in serving the residential sector. Providing service to residential customers is both capital and labor intensive, both absolutely and relative to providing service to either commercial or industrial customers. During the summer, the volume of gas sold to residential consumers is much lower than in other seasons, but the revenue stream they generate -- including as it does the constant costs of doing business -- leads to a calculated price contained in Table 22 that is higher than in other seasons. The use of gas by either industrial or commercial consumers does not have the severe seasonal peaks and valleys of the residential sector so the reported price does not contain the algebraic inflation during the slack use period that is reflected in the residential prices.

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

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

Final Monthly Data

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

Lease and Plant Fuel Consumption

Preliminary Month

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

Final Monthly Data

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

Note 6. Extraction Loss

Annual Data

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

Preliminary Monthly Data

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

Final Monthly Data

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

Note 7. Natural Gas Storage

Underground Natural Gas Storage

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1991. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

Underground and Liquefied Natural Gas Storage

The final monthly and annual storage and withdrawal data for 1987 through 1992 shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Underground storage data are obtained from the EIA-191 and EIA-176 surveys in the manner described earlier. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

Note 8. Average Wellhead Value

Annual Data

Form EIA-627 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

Initial Monthly Data

An initial estimate is calculated based on the statistical relationship between U.S. monthly wellhead gas prices and the monthly composite spot wellhead prices published in the *Natural Gas Week*. The estimate is prepared using the same methodology that generates monthly gas price estimates for EIA's *Short-Term Energy Outlook*. The initial estimate is the latest monthly estimate presented.

Preliminary Monthly Data

A preliminary estimate of the U.S. gas price is made each month based on the change in the production-weighted gas price from four States: Mississippi, New Mexico, Oklahoma, and Texas. Gas prices for these four States are used because both their gas production and value represent a substantial sample of the U.S. gas production and value (roughly 50 percent), and their prices are readily available and provide a consistent series. The latest preliminary U.S. gas price estimate is calculated by multiplying the preliminary U.S. gas price estimate for the prior month by the ratio of the four States' gas price for the latest month to that of the prior month. This estimate replaces the initial gas price estimate.

Final Monthly Data

Preliminary monthly gas price data for Mississippi, New Mexico, Oklahoma, and Texas are replaced by final monthly data that are adjusted to match the annual prices published in the *Natural Gas Annual* for each State. A revised set of the monthly U.S. gas price estimates are derived based on the monthly change in

the production-weighted prices for these four States and adjusted to match the U.S. gas price published in the *Natural Gas Annual*.

Note 9. Financial Data of Major Interstate Pipeline Companies

The prices in Table 4 for imports and purchases from producers by major interstate pipeline companies, and all data in Tables 8 through 12 are derived from Form FERC-11. Form FERC-11 is filed monthly by the approximately 51 major interstate natural gas pipeline companies. A major pipeline company is defined as one "whose combined sales for resale, and gas transported interstate or stored for a fee exceeded 50 billion cubic feet in the previous calendar year."

Data reported by the major interstate pipeline companies on Form FERC-11 generally reflect the timing of data entry, revision, and/or reclassification of accounts in the companies' accounting records in accordance with the FERC regulations and regulatory filings. Certain data may also be estimated. Consequently, the data reported and shown in Tables 8 through 12 for any given month may include or reflect out-of-period dollar or volume adjustments, restatements or revisions, or account reclassifications. The dollar amounts reported as paid or received and volumes reported as delivered or received may also include amounts paid, delivered, or received under contractual provisions such as prepayment, take-or-pay, minimum take, or minimum bill provisions. Unless otherwise footnoted, the individual data items, computed averages, and aggregated totals shown include the effect of any and all such adjustments, revisions, estimates, reclassifications, and/or contractual provisions. Average prices are not reported on the FERC-11. The averages shown are computed by dividing the total dollars reported for the particular item by the total volume reported for the same item.

Final Monthly Data

Final revisions for the prior year's data are made upon receipt of the current data which will indicate any revisions. Revisions are made on a month by month basis.

Note 10. Balancing Item

The "balancing item" category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

Annual Data

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

Preliminary Monthly Data

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

Appendix B

Data Sources

Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC.

Data are collected from two annual surveys and five monthly surveys. Filings with the FERC also provide sources of data for this publication.

The annual reports are the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines, and the Form EIA-627, a voluntary survey completed by energy or conservation agencies in the gas-producing States.

The monthly reports include three surveys of the natural gas industry and two surveys of the electric utility industry. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, the Form FERC-11 filed by major interstate natural gas pipeline companies, and the Form EIA-857 filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil fueled plants. Responses to these five monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys. Also shown are copies of the EIA and FERC survey forms that are sources of data for this publication.

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

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title. Beginning with 1990 data, the responses are not considered proprietary.

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.

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. Response to the form was mandatory.

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, revisions to the Form were approved that permitted collection of data on deliveries of natural gas for use as a vehicle fuel and detailed underground storage information. Data filed on the EIA-176 are no longer held confidential.

Survey Universe and Response Statistics

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

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original 1993 mailing for report year 1992 totaled 2,104 questionnaire packages. To this original mailing, 6 names were added and 46 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 2,064 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents followup, 2,056 responses were entered into the data base, and there were eight nonrespondents.

Summary of Form EIA-176 Data Reporting Requirements

The EIA-176 is a multiline schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by April 1 of the following year. Extensions of the filing deadline for up to 45 days are granted to any respondent on request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Routine Form EIA-176 Edit Checks

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

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

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

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

Other EIA Publications Referencing Form EIA-176

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

Figure B1. Form EIA-176

EIA-176 (Revised 1991)

**U.S. DEPARTMENT OF ENERGY
ENERGY INFORMATION ADMINISTRATION**

Form Approved
OMB No. 19050175
Expires: 12/31/93

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). Failure to report may result in criminal fines, civil penalties, and other sanctions as provided by law. See Section VI of the instructions for confidentiality statement. Public reporting burden for this collection of information is estimated to average 19.8 hours per response, including the time of 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 the Energy Information Administration, Office of Statistical Standards, EI-73, Mail Station 2F-081 Forrestal, 1000 Independence Ave SW, Washington DC 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington DC 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: _____

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

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

PART I: IDENTIFICATION

1.0 Control No.	2.0 Company Name:	3.0 Report State	EIA 	4.0 Resubmittal Date: _____
5.0 Company status, name, and/or address change or correction. (Check appropriate box)				
<p>a. ☐ Name and address on mailing label are correct.</p> <p>b. ☐ Change name, attention line, and/or mail address as indicated below.</p> <p>c. ☐ Company was sold to, or merged with, company entered below.</p> <p>d. ☐ Company went out of business. Customer accounts taken over by company entered below.</p> <p>e. ☐ Other changes, corrections, or comments: _____</p>				
5.1 Change mail 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>				
6.0 Contact person:				
Name: _____		Telephone Number: _____	Area Code: _____	No. _____ Ext. _____

PART II: CERTIFICATION AND DISCLOSURE STATEMENT

1.0 I certify that (Check appropriate box):	
<p>a. ☐ The information provided herein and appended hereto is true and accurate or, where indicated on the form, reasonable estimates to the best of my knowledge.</p> <p>b. ☐ My company does not meet any of the criteria set forth in Section II, "Who must submit," of the instructions and is therefore not required to complete and submit a Form EIA-176 for the report State.</p>	
2.0 Name	3.0 Title
4.0 Signature	5.0 Date
Title 18, USC 1001, makes it a crime for any person knowingly and willingly to make to any agency or department of the United States any false, fictitious or fraudulent statements as to any matter within its jurisdiction.	

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="text"/>	4.0 Resubmittal <input type="text"/> Date: <input type="text"/>
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PART III: TYPE OF COMPANY AND GAS ACTIVITIES OPERATED IN THE REPORT STATE

1.0 Type of Company (check one)

- a ☐ Investor owned distributor
- b ☐ Municipally owned distributor
- c ☐ Interstate pipeline
- d ☐ Intrastate pipeline
- e ☐ Storage operator
- f ☐ SNG plant operator
- g ☐ Integrated oil and gas
- h ☐ Producer
- i ☐ Gatherer
- j ☐ Processor
- k ☐ Other (specify) _____

2.0 Gas Activities Operated On-system Within the Report State (check all that apply)

- a ☐ Produced Natural Gas
- b ☐ Gathered
- c ☐ Processed
- d ☐ Purchased
- e ☐ Transported Interstate
- f ☐ Transported Intrastate
- g ☐ Stored Underground
- h ☐ Stored LNG
- i ☐ Injected Propane-air
- j ☐ Produced SNG
- k ☐ Imported
- l ☐ Exported
- m ☐ Delivered for Resale
- n ☐ Delivered directly to consumers
- o ☐ Other (specify) _____

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 (Dollars)	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 Transported 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-operated 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 COPY Page 2

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: 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 (Dollars)	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	 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	 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: Number of consumers				
5.4.1 Residential sales	 			
5.4.2 Commercial sales	 			
5.4.3 Industrial sales	 			
5.4.4 Electric utility sales	 			
5.4.5 Natural gas used as vehicle fuel	 			
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	 			
7.4.2 Commercial consumers	 			
7.4.3 Industrial consumers	 			
7.4.4 Electric utility consumers	 			
7.4.5 Natural gas used as vehicle fuel	 			
8.0 Deliveries or exchange 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 (-)				

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: <input type="text"/>
PART VI: CONTINUATION SHEET					Sheet <input type="text"/> of <input type="text"/>
(To be used only if insufficient space was provided on Part IV and/or Part V)					
Supply (Continued)		Volume (Mcf at 14.73 psia)	# or f	Cost or Revenue (Dollars)	# or f
PART IV, 2.4 On-system purchases received at State line or U.S. border from: (Continued)					
Company <input type="text"/>					
State or Country <input type="text"/>					
Company <input type="text"/>					
State or Country <input type="text"/>					
PART IV, 3.2 Transportation and or exchange receipts at State line or U.S. border from: (Continued)					
Company <input type="text"/>					
State or Country <input type="text"/>					
Company <input type="text"/>					
State or Country <input type="text"/>					
PART IV, 4.0 Transported into report State from: (Cont'd)					
State or Country <input type="text"/>					
State or Country <input type="text"/>					
State or Country <input type="text"/>					
State or Country <input type="text"/>					
PART IV, 7.0 Other sources of supply (specify source and/or kind of fuel): (Continued)					
<input type="text"/>					
<input type="text"/>					
<input type="text"/>					
Disposition (Continued)					
PART V, 5.3 Company-owned natural gas deliveries at State line or U.S. border to: (Continued)					
Company <input type="text"/>					
State or Country <input type="text"/>					
Company <input type="text"/>					
State or Country <input type="text"/>					
PART V, 7.3 Transported for the account of others out of report State to: (Continued)					
State or Country <input type="text"/>					
State or Country <input type="text"/>					
State or Country <input type="text"/>					
State or Country <input type="text"/>					
PART V, 8.2 Deliveries of exchange gas at State line or U.S. border to: (Continued)					
Company <input type="text"/>					
State or Country <input type="text"/>					
Company <input type="text"/>					
State or Country <input type="text"/>					
PART V, 10.0 Other disposition (specify): (Continued)					
<input type="text"/>					
<input type="text"/>					
<input type="text"/>					

EIA COPY Page 4

Figure B2. Form EIA-176, Short Form

EIA-176 (Revised 1991)

**U.S. DEPARTMENT OF ENERGY
ENERGY INFORMATION ADMINISTRATION**

Form Approved
OMB No. 19050175
Expires: 12/31/93

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). Failure to report may result in criminal fines, civil penalties, and other sanctions as provided by law. See Section VI of the instructions for confidentiality statement. Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time of 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 the Energy Information Administration, Office of Statistical Standards, EI-73, Mail Station 2F-081 Forrestal, 1000 Independence Ave SW, Washington DC 20585, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington DC 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: _____

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

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

PART I: IDENTIFICATION

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

5.0 Company status, name, and/or address change or correction. (Check appropriate box.)

- a. ☐ Name and address on mailing label are correct.
- b. ☐ Change name, attention line, and/or mail address as indicated below.
- c. ☐ Company was sold to, or merged with, company entered below.
- d. ☐ Company went out of business. Customer accounts taken over by company entered below.
- e. ☐ Other changes, corrections, or comments: _____

5.1 Change mail address to:

a. Company Name: _____
b. Operations in (State): _____
c. Street or Post Office Box: _____
d. City, State, Zip Code: _____
e. Attention: _____

6.0 Contact person:

Name: _____ Telephone Area Number: Code _____ No. _____ Ext. _____

PART II: CERTIFICATION AND DISCLOSURE STATEMENT

1.0 I certify that (Check appropriate box):

- a. ☐ The information provided herein and appended hereto is true and accurate or, where indicated on the form, reasonable estimates to the best of my knowledge.
- b. ☐ My company does not meet any of the criteria set forth in Section II, "Who must submit," of the instructions and is therefore not required to complete and submit a Form EIA-176 for the report State.

2.0 Name	3.0 Title
4.0 Signature	5.0 Date

Title 18, USC 1001, makes it a crime for any person knowingly and willingly to make to any agency or department of the United States any false, fictitious or fraudulent statements as to any matter within its jurisdiction.

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

1.0 Type of Company (check one)

- a. ☐ Investor owned distributor
- b. ☐ Municipally owned distributor
- c. ☐ Interstate pipeline
- d. ☐ Intrastate pipeline
- e. ☐ Storage operator
- f. ☐ SNG plant operator
- g. ☐ Integrated oil and gas
- h. ☐ Producer
- i. ☐ Gatherer
- j. ☐ Processor
- k. ☐ Other (specify) _____

2.0 Gas Activities Operated On-system Within the Report State (check all that apply)

a. ☐ Produced Natural Gas b. ☐ Gathered c. ☐ Processed d. ☐ Purchased e. ☐ Transported Interstate f. ☐ Transported Intrastate g. ☐ Stored Underground h. ☐ Stored LNG i. ☐ Injected Propane-air j. ☐ Produced SNG k. ☐ Imported l. ☐ Exported	m. ☐ Delivered for Resale n. ☐ Delivered directly to consumers o. ☐ Other (specify) _____

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 (Dollars)	e or f
2.0 On-system purchases received:				
2.1 From producers, gatherers, and/or gas processors				
2.2 From pipeline, distribution, and/or storage operators				
2.3 From synthetic natural gas plants or SNG pipeline				
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				

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 (Dollars)	e or f
9.0 Used in pipeline, storage and/or distribution operations				
5.4 Delivered directly to consumers:				
(Type of transaction and consumer) (Number of consumers)				
5.4.1 Residential sales				
5.4.2 Commercial sales				
5.4.3 Industrial sales				
5.4.4 Electric utility sales				
6.0 Average heat content of gas delivered directly to consumers (Btu per cubic foot)				
_____ Btu				
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 (-)				

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EIA COPY **Page 3**

2 of 2

Form EIA-627, "Annual Quantity and Value of Natural Gas Report"

Survey Design

Beginning with 1980, natural gas production data previously obtained on an informal basis from State conservation agencies were collected on Form EIA-627. This form was designed by 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. The form was redesigned in 1990 to collect monthly breakdowns of all annual data elements. Data are not considered proprietary. It was also designed to avoid duplication of effort in collecting production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators.

Survey Universe and Response Statistics

Form EIA-627 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-627 survey by filing the completed form or by responding to telephone contacts. For 1992, data on the quantities of nonhydrocarbon gases removed were reported by the appropriate agencies of 23 of the 33 States. These 23 States accounted for 61 percent of total 1992 gross withdrawals. In addition, gross withdrawal data from Kansas, Oklahoma, Louisiana, and Montana, which together accounted for 35 percent of total production, excluded all or most of the nonhydrocarbon gases removed on leases.

Summary of Form EIA-627 Data Reporting Requirements

Form EIA-627 is a multipart annual form that collects data on the monthly and annual production volume 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 leases; marketed production; the value of marketed production; and the number of producing gas wells.

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

Routine Form EIA-627 Edit Checks

Each filing of Form EIA-627 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported to the Interstate Oil and Gas Compact Commission (see Appendix B, "Data Sources"). Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year's data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

Other EIA Publications Referencing Form EIA-627

Data from Form EIA-627 are also published in the EIA publication, *Natural Gas Annual*.

Interstate Oil and Gas Compact Commission Form "Monthly Report of Natural Gas Production"

Survey Design

The Interstate Oil Gas Compact Commission (IOGCC) is an organization comprised of 32 gas and oil producing States; the Governor of each State sits on the board of the IOGCC. The IOGCC form, "Monthly Report of Natural Gas Production," (Figure B4) is a voluntary report filed to the IOGCC by most of the producing States. The IOGCC forwards copies of these forms to the EIA. The purpose of the form is to standardize, to the extent possible, the reporting of natural gas data by the States. Data are not considered proprietary.

Survey Universe and Response Statistics

Most of the 32 States report data to the IOGCC. Two exceptions are Florida, which submits its own form, and California, whose data are taken from the Conservation Committee of California Oil Producers publication. Reports on State production are forwarded to the EIA by the IOGCC approximately 80 days after the end of the report month.

EIA-627 (Revised 1992)

U.S. DEPARTMENT OF ENERGY
Energy Information Administration

Form Approved
OMB No. 19050175
Expires: 12/31/93

ANNUAL QUANTITY AND VALUE OF NATURAL GAS REPORT

PART I: IDENTIFICATION DATA	
1. Name of State Reporting	2. Calendar Year Being Reported 19 <input type="text"/> <input type="text"/>
3. Name of Office/Agency	4. Office Address (Street, City, State, Zip Code)
5. Name of Contact Person	6. Phone Number
PART II: NATURAL GAS VOLUMES (REPORT ALL VOLUMES IN MILLIONS OF CUBIC FEET)	
Enter the pressure base at which all volumes are reported (psia at 60°F)	
Enter the total number of producing gas wells in operation as of December 31 for the reporting year.	

Public reporting burden for this collection of information is estimated to average 4.7 hours per response, including the time of 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 the Energy Information Administration, Office of Statistical Standards EI-73, Mail Station 2F-081 Forrestal, 1000 Independence Ave. SW, Washington, D.C. 20585, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

Month	Gross Withdrawals			Used for Repressuring Etc.	Vented and Flared	Nonhydrocarbon Gases Removed	Natural Gas Used as Fuel on Leases	Marketed Production
	Gas and Condensate Wells	Oil Wells (Casinghead)	Total					
January								
February								
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
TOTAL								

This report is collected under P.L. 93-275, Federal Energy Administration Act of 1974. Your voluntary cooperation and response are urgently needed to provide comprehensive, accurate and timely energy information. Because the data collected on EIA-627 are already aggregated by state, no confidentiality pledges are required.

Page 1

EIA-627, ANNUAL QUANTITY AND VALUE OF NATURAL GAS REPORT																	
PART III: Value of Marketed Production (Wellhead Sales Prices)																	
Enter the available value of marketed production REPORT IN THOUSANDS OF DOLLARS	\$																
Enter the quantity of marketed production associated with the value entered REPORT IN MILLIONS OF CUBIC FEET																	
<p>NOTE: The value reported should represent wellhead sales prices including charges for natural gas plant liquids subsequently removed from the gas and for gathering and compression, in addition to state production, severance, and/or similar taxes.</p> <p>Does your computation of wellhead value agree with the above conditions? Yes ____ No ____</p> <p>Complete the table below only if your method of reporting is inconsistent with the above note. For each item in column (a) of the table, enter an "X" in column (b) or (c) to indicate whether the item is included or excluded from the amount reported.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 65%; text-align: center; padding: 5px;">Item (a)</th> <th style="width: 15%; text-align: center; padding: 5px;">Included (b)</th> <th style="width: 20%; text-align: center; padding: 5px;">Excluded (c)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Natural gas plant liquids</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">Lease condensate</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">Gathering and compression charges</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">State production, severance, and/or similar taxes</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </tbody> </table>			Item (a)	Included (b)	Excluded (c)	Natural gas plant liquids			Lease condensate			Gathering and compression charges			State production, severance, and/or similar taxes		
Item (a)	Included (b)	Excluded (c)															
Natural gas plant liquids																	
Lease condensate																	
Gathering and compression charges																	
State production, severance, and/or similar taxes																	
PART IV: COMMENTS																	
<p>Enter any additional comments including identification and explanation of any data elements submitted based on definitions differing from those provided for the previous year. If more space is needed, please attach separate sheet(s).</p>																	
Name of Contact Person	Phone Number																

Complete and return to: Energy Information Administration, Mail Station BG-094 Forrestal,
U.S. Department of Energy, Washington, D.C. 20585, Attn: Form EIA-627

Figure B4. IOGCC Form

INTERSTATE OIL AND GAS COMPACT COMMISSION

900 Northeast 23rd Street ■ P.O. Box 53127 ■ Oklahoma City, Oklahoma 73152-3127 ■ Phone: 405/525-3556 ■ Fax: 405/525-3592

Chairman:

Joan Finney
Governor of Kansas

Past Chairmen:

David Walters
Governor of Oklahoma
Mike Sullivan
Governor of Wyoming

Edwin W. Edwards
Governor of Louisiana

Bruce King
Governor of
New Mexico

Executive Director:

W. Timothy Dowd

Monthly Report of Natural Gas Production for the State of _____

Month of _____

Please return two copies of this report as soon as the figures are available after the close of the month for which data are reported. Reports should be addressed to:

Interstate Oil and Gas Compact Commission
P.O. Box 53127
Oklahoma City, OK 73152-3127.

MEMBER STATES:

ALABAMA, ALASKA,
ARIZONA, ARKANSAS,
CALIFORNIA,
COLORADO, ILLINOIS,
INDIANA, KANSAS,
KENTUCKY, LOUISIANA,
MARYLAND, MICHIGAN,
MISSISSIPPI,
MONTANA, NEBRASKA,
NEVADA, NEW MEXICO,
NEW YORK, NORTH
DAKOTA, OHIO,
OKLAHOMA,
PENNSYLVANIA,
SOUTH DAKOTA, TEXAS,
UTAH, VIRGINIA,
WEST VIRGINIA,
WYOMING

ASSOCIATES:

GEORGIA, IDAHO,
NORTH CAROLINA,
OREGON, SOUTH
CAROLINA, WASHINGTON

Name of Reporting Agency _____

Address _____

Correspondent & Title _____

Please adjust all volumes to the same pressure base:

Report pressure base used (_____ lbs. absolute at 60° F.)

(Millions of Cubic Feet)

1. Gross gas production*
(a) Natural gas from gas and condensate wells
(b) Natural gas from oil wells (casinghead)

* Include amounts delivered as royalty payments or consumed in field operations. Please provide best estimate when gas is not metered.

2. Quantity of natural gas returned to formation for repressuring, pressure maintenance and cycling.
3. Quantity of natural gas vented to air or burned in flares on the lease or at gas processing plants.

Summary of Data Requirements

The IOGCC form consists of three questions on one page, and requires volumetric information on gross production, quantities of gas vented or flared, and gas used for repressuring.

Routine Edit Checks

State data are checked for reasonableness and, in the event of problems, the appropriate State agency is called.

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

Survey Design

Beginning in January 1991, the EIA-191, "Underground Natural Gas Storage Report," was revised. All prior data on the storage of natural gas was collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/ FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by FPC. The new form will collect storage data by State, field, and reservoir of which there are approximately 400 operating reservoirs in the United States. Data are considered proprietary.

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

Survey Universe and Response Statistics

The same group of 92 companies that operate underground facilities will file the new Form EIA-191. Of these companies, 40 are subject to the jurisdiction of

FERC and are required to report data on Form FERC-8.

The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

Summary of EIA-191 Data Reporting Requirements

The EIA-191 is a multipart form that reports the quantities of gas in storage, injections and withdrawals, and the location (including State and county, field, reservoirs) and capacity of underground storage reservoirs along with peak day send out during the reporting period. Information on co-owners of storage reservoirs is also required.

Collection of the survey is on a custody basis, although some respondent ownership data are required. Information requested must be provided within 10 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. In the case of most estimated filings, the necessary revisions are reflected in subsequent scheduled filings or in a revised submission that provides actual data. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

Routine Form EIA-191 Edit Checks

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

Other EIA Publications Referencing Form EIA-191

The EIA publication *Monthly Energy Review* contains data from the EIA-191 survey.

**U.S. DEPARTMENT OF ENERGY
ENERGY INFORMATION ADMINISTRATION
WASHINGTON, D.C. 20585**

Form Approved
OMB No. 19050175
Expires: 12/31/93

UNDERGROUND GAS STORAGE REPORT

I. RESPONDENT IDENTIFICATION DATA Control (ID) No. _____ Name _____ Street or Post Office Box: _____ City, State, Zip Code: _____								This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to report may result in criminal fines, civil penalties, and other sanctions as provided by law. See "Provisions for Confidentiality" in the General Instructions for confidentiality statement. Public reporting burden for this collection of information is estimated to average 3.6 hours per response, including the time of reviewing instruction, 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 Ave., SW, Washington, DC 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.							
Person to contact if questions arise concerning this report: _____						Tel. No. (Include Area Code and Extension) _____									
II. GAS STORAGE DATA (All volumes in Mcf - 14.73 psia - 60°F)										Report Period		Mo	Yr		
Storage Field Name				Location		State		Storage Field Capacity							
Reservoir Name(s)				County		Maximum Deliverability (Mcf/d)									
☐ Estimated ☐ Actual ☐ Revised				Base Gas		Working Gas		Total Gas In Storage		Injections		Withdrawals			
A Respondent's Gas in Field Operated by Respondent															
B Gas Belonging to Others in Field Operated by Respondent															
Total Gas (Sum of A and B)															
Peak Day Withdrawals (in Mcf) Date Day															
Storage Field Name				Location		State		Storage Field Capacity							
Reservoir Name(s)				County		Maximum Deliverability (Mcf/d)									
☐ Estimated ☐ Actual ☐ Revised				Base Gas		Working Gas		Total Gas In Storage		Injections		Withdrawals			
A Respondent's Gas in Field Operated by Respondent															
B Gas Belonging to Others in Field Operated by Respondent															
Total Gas (Sum of A and B)															
Peak Day Withdrawals (in Mcf) Date Day															
III. CERTIFICATION															
I certify that the information submitted in this report is the most accurate available at this time to the best of my knowledge.															
Name (Type or Print)						Title				Signature				Date	

Form FERC-11, "Natural Gas Pipeline Company Monthly Statement"

Survey Design

The collection of monthly data from major pipeline companies was begun in December 1964 by the Federal Power Commission (FPC). On October 1, 1977, FPC ceased to exist, and its functions and regulatory responsibilities were transferred to the Secretary of Energy and to the Federal Energy Regulatory Commission (FERC), an independent commission within the Department of Energy.

Information collected on Form FERC-11 (Figure B6) is used by FERC in carrying out its regulatory authority. Form FERC-11 is a monthly regulatory reporting form rather than one filed for statistical purposes. Data are not considered proprietary.

Survey Universe and Response Statistics

Form FERC-11 is filed by major interstate natural gas pipeline companies whose combined sales for resale and gas transported interstate or stored for a fee exceeded 50 billion cubic feet in the previous calendar year. Approximately 50 pipeline companies report data on Form FERC-11. Natural gas pipeline companies are monitored annually to determine whether each has met the requirements for classification as a major pipeline.

Information is collected monthly by mail. Historically, the response rate has been 100 percent.

Summary of Form FERC-11 Data Requirements

Form FERC-11 requires information on revenues, expenses, and sales data, as well as volumetric data on purchases and production.

Submission of Form FERC-11 is required no later than 40 days after the close of the report month. The form requires reporting of both preliminary data for the report month and final data for the same month in the previous year. All data are reported on an equity basis.

Routine Form FERC-11 Edit Checks

The completed Form FERC-11 is sent on disk along with two facsimiles of the form to FERC. FERC loads these disks on a electronic data file. This file is transmitted to EIA for further processing and editing. Edit

reports are produced of the current file and are reviewed manually. This review is to ensure consistency in reporting within and among utilities in the presentation of current and 12-month financial sales data.

Other EIA Publications Referencing Form FERC-11

The Energy Information Administration publication *Monthly Energy Review* contains data from Form FERC-11.

Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas"

Survey Design

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

Survey Universe and Response Statistics

The Form FPC-14 is filed annually by each organization or individual having authorization to import and export natural gas regardless of whether any imports or exports took place during the reporting year. The authorization to import and export was originally granted by the FPC. In 1977, it was transferred to the Economic Regulatory Administration (ERA) and it now resides with the Office of Fuels Programs in the Office of Fossil Energy. In 1990, 228 companies met the reporting criteria, only 102 reported imports or exports of natural gas.

The respondent list for the Form FPC-14 is updated at the beginning of each year. All new respondents with authorization to import or export natural gas are added to the list and respondents whose licenses have expired are deleted. Five copies of Form FPC-14 are mailed in February to all companies authorized to import or export natural gas. The completed original and three copies are to be filed with the EIA on or before March 31 of each year, for the preceding calendar year. Companies that have not filed by March 31 are contacted.

Figure B6. Form FERC-11

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

Form Approved, OMB No. 1902-0032
(Expires 6-30-90)

FERC FORM NO. 11: NATURAL GAS PIPELINE COMPANY MONTHLY STATEMENT

This report is mandatory under the authority granted by Sections 10 and 16 and sanctions provided by Section 21(b) of the Natural Gas Act. Failure to report may result in criminal fines, civil penalties and other sanctions as provided by law.

Company Code Number

Month Being Reported
19 ____

PART I: IDENTIFICATION

1. Name of Company

2. Address of Company

(1) Number and Street

(2) City

(3) State

(4) Zip Code

3. Person Authorized To Sign This Report

(1) Signature

(2) Phone Number (Including area code)

PART II: REVENUE DATA

Line No. (a)	Item (b)	Revenues (In thousands of dollars)		Sales (In millions of cubic feet)		Foot-note (g)
		Current Year (c)	Previous Year (d)	Current Year (e)	Previous Year (f)	
4	Sales of Natural Gas					
5	Firm Industrial					
6	Off-peak Industrial					
7	Interruptible Industrial					
8	TOTAL INDUSTRIAL (Enter total of lines 5, 6 and 7)					
9	Other Ultimate Consumers					
10	TOTAL SALES TO ULTIMATE CONSUMERS (Enter total of lines 8 and 9)					
	Sales For Resale (483)					
11	Total Major Gas Pipelines					
12	Total to All Other Pipelines and Gas Utilities					
13	TOTAL SALES FOR RESALE (Enter total of lines 11 and 12)					
14	TOTAL SALES OF NATURAL GAS (Enter total of lines 10 and 13)					
15	Intracompany Transfers (485)					
16	Revenues From Transportation of Gas of Others (489)			(Enter volume of gas transported:)		
17	Provision for Rate Refunds (496)					

FERC FORM NO. 11 (REVISED 12-84)

Page 1 of 4

Company Code Number	Month and Year Being Reported
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PART III: INCOME DATA

Line No. (a)	Item (b)	Current Year (In thousands of dollars) (c)	Previous Year (In thousands of dollars) (d)	Foot-note (e)
18	Gas Operating Revenues (400)			
19	Operation and Maintenance Expense (401, 402)			
20	Depreciation, Depletion and Amortization Expense (403-407)			
21	Taxes Other Than Income Taxes, Utility Operating Income (408.1)			
22	Total Gas Operating Expenses (401, 402, 403-407, 408.1, 409.1, 410.1, 411.1, 411.4)			
23	Net Gas Operating Revenues (Enter the result of lines 18 minus 22) (Including Plant Leased to Others)			
24	Total Gas Utility Operating Income (Refer to specific instruction for line 24.)			
25	Allowance For All Funds Used During Construction - Credit (419.1, 432)			
26	Total Income Before Interest Charges (427-432) and Extraordinary Items (409.3, 434, 435)			
27	Net Income (433) Before Extraordinary Items (434, 435), Income Taxes (409.1, 409.2, 409.3, 410.1, 410.2, 411.1, 411.2), and Investment Tax Credits (411.4, 411.5, 420)			
28	Net Income (Monthly Amount Related to 433.)			

PART IV: OTHER SELECTED DATA

Line No. (a)	Item (b)	Current Year (In thousands of dollars) (c)	Previous Year (In thousands of dollars) (d)	Foot-note (e)
29	Gas Utility Plant in Service (101)			
30	Accumulated Provision For Depreciation, Depletion, and Amortization of Gas Utility Plant (108, 111)			
31	Gas Plant Construction Work In Progress (107)			
32	Gross Additions To Construction Work In Progress (107) For This Month Being Reported			
33	Amount Collected Which Is Subject To Refund During This Month Being Reported			
34	Cumulative Amount Collected Since January 1 This Year Subject To Refund, At End Of This Month Being Reported			
35	Monthly Amount Subject To Refund Actually Refunded During This Month Being Reported			
36	Cumulative Amount Subject To Refund Refunded Since January 1 This Year, To The End Of This Month Being Reported			

Company Code Number		Month and Year Being Reported				
PART V: OPERATION AND MAINTENANCE EXPENSE DATA						
Line No. (a)	Item (b)	Amount (In thousands of dollars)		Gas Volume (In millions of cubic feet)		Foot-note (g)
		Current Year (c)	Previous Year (d)	Current Year (e)	Previous Year (f)	
37	Manufactured Gas Production					
38	Liquefied Petroleum Gas					
39	Other Manufactured Gas					
40	TOTAL (Enter total of lines 38 and 39)					
41	Natural Gas Production					
42	Production and Gathering (750-769)					
43	Products Extraction (770-791)			(Enter thousands of gallons) 3		
44	Exploration and Development (795-798)					
	Purchased Natural Gas From					
45	Producers (800, 801-803)					
46	Intracompany Transfers (800.1)					
47	Imports					
48	Major Gas Pipelines (800, 801-803)					
49	Other Pipelines (800, 801-803)					
50	Other Gas Purchases (804, 805, 805.1 minus line 68 -71)					
51	TOTAL (Enter total of lines 45 to 50)					
52	Natural Gas Produced					
53	Exchange Gas - In (806)					
54	Exchange Gas - Out (806)					
55	Purchased Gas Expenses (807.1-807.5)					
56	Gas Withdrawn From Underground Storage - Debit (808.1, 809.1)					
57	Gas Delivered To Underground Storage - Credit (808.2, 809.2)					
58	Gas Used For Compressor Station Fuel - Credit (810)					
59	Gas Used For Products Extraction - Credit (811)					
60	Gas Used For Other Utility Operations - Credit (812)					
61	Other Gas Supply Expenses (813)					
62	TOTAL GAS PRODUCTION (Enter total of lines 40, 42, 43, 44, 51, 53 to 61)					
63	Storage Expenses (814-843.9)					
64	LNG Terminating and Processing Expenses (844.1-847.8)					
65	Transmission Expenses (850-867)					
66	Distribution Expenses (870-894)					
67	Other Gas Purchased and Produced (Entries here should not be included under any other item in this part.)					
68	Liquefied Natural Gas (804.1)					
69	Gasified Coal					
70	Synthetic Gas (Reformed (gasified) liquid hydrocarbons.)					
71	TOTAL (Enter total of lines 68 to 70)					
72	All Other Operating and Maintenance Expenses (901-905, 907-916, 920-931, 935)					
73	TOTAL OPERATING AND MAINTENANCE EXPENSES (Enter total of lines 62, 63, 64, 65, 66, 71, 72)					

Routine Form FPC-14 Edit Checks

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

"Quarterly Natural Gas Import and Export Sales and Price Report"

This report is prepared quarterly by the Office of Fuels Programs in the Office of Fossil Energy based on information submitted by all firms having authorization to import or export natural gas. All data on this report are considered preliminary until the annual data on the Form FPC-14 are final, usually in September of the following year.

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

Survey Design

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

Survey Universe and Response Statistics

A sample of 391 natural gas companies including interstate pipelines, intrastate pipelines, and local distribution companies report on the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting

of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 100 percent. Virtually all are received in time for incorporation in the current month's processing cycle. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company's submission is eventually received, the submitted data are used for future processing and revisions.

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

See Appendix C for a discussion of the sample design and estimation procedures.

Summary of Form EIA-857 Data Reporting Requirements

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

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

Routine Form EIA-857 Edit Checks

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

Figure B7. Form FPC-14

FEDERAL ENERGY REGULATORY COMMISSION
Washington, D.C. 20426

**ANNUAL REPORT FOR
IMPORTERS AND EXPORTERS OF NATURAL GAS**
GENERAL INSTRUCTIONS

Form Approved
OMB Number: 1902-0027
Expiration Date 09/30/92

1. The completed original and 3 conformed copies of this report shall be filed with the Federal Energy Regulatory Commission, Washington, D.C. 20426 on or before March 31, of each year, for the preceding calendar year. 2. The report will be filed by each person having authorization to import or export natural gas. 3. Use a separate schedule for each authorization. If one authorization involves more than one import or export point, a separate schedule must be filed for each point. 4. All volumes reported in Mcf will be at 14.73 Psia and 60°F. 5. Where transactions are based primarily on volumetric measurement, weighted average Btu data should be used to estimate total monthly Btu's. 6. Amounts paid or received and cost or receipts shall be reported in U.S. Dollars. 7. DEFINITIONS: — Transporter—the party or parties, other than buyer or seller, owning the facilities by which gas or LNG is physically transferred between buyer and seller; Costs—all expenses incurred by importer up to the U.S. point of delivery for the reported quantity imported; Receipts—all revenues received by exporter for the reported quantity exported.						
Name of Respondent			Address of Respondent		Year Ending December 31, _____	
SCHEDULE I — GASEOUS PHASE NATURAL GAS						
NOTE: If authorization granted is increased, decreased, or extended under a succession of docket numbers and all related gas moved through the same border facilities and authorized expansions thereof, moved to or from the same purchaser or supplier, and was subject to the same rate, such transaction shall be combined for reporting purposes and appropriate Docket Numbers shown.						
Report for (Check one) ☐ Import ☐ Export			Foreign Seller or Foreign Buyer			
U.S. Entry or Exit Point			Transporter		Docket Number(s)	
Line No.	Month (a)	QUANTITY RECEIVED OR SHIPPED AT THE ENTRY OR EXIT POINT				Amount Paid or Received at Entry or Exit Point (f)
		Peak Day		Mcf (d)	MMBtu (e)	
		Date (b)	Mcf (c)			
1	January					
2	February					
3	March					
4	April					
5	May					
6	June					
7	July					
8	August					
9	September					
10	October					
11	November					
12	December					
13	TOTAL					
ANNUAL WEIGHTED AVERAGE IN Btu's PER CUBIC FOOT (Line 13; [Column (e) ÷ (Column (d) X 1000)]) _____				ANNUAL WEIGHTED AVERAGE PRICE IN CENTS PER MMBtu (Line 13; Column (f) ÷ Column (e) X 100) _____		

FPC-14 (8-82)

Figure B8. Form EIA-857

EIA -857 (Revised 1991)

U.S. Department of Energy
Energy Information Administration

Form Approved
OMB No. 19050175
Expires: 12/31/93

MONTHLY REPORT OF NATURAL GAS PURCHASES AND DELIVERIES TO CONSUMERS

This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to report may result in criminal fines, civil penalties, and other sanctions as provided by law. See section VI of the instructions for the confidentiality statement. Public reporting burden for this collection of information is estimated to average 4 hours per response, including time of 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 or any other aspect of this collection of information, including suggestions for reducing this burden, to the Energy Information Administration, Office of Statistical Standards EI-73, Mail Station: 2F-081 Forrestal, 1000 Independence Ave. SW, Washington, DC 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

Affix Identification Label or Enter:

01 Control No.: _____

02 Company Name: _____

State of Operation: _____

Return completed forms to:

Energy Information Administration
Mail Station: BG-094
U.S. Department of Energy
Washington, D.C. 20585
Attn. Form EIA-857

SECTION I — Natural Gas Purchases and Deliveries to Consumers

		Report Period Mo. Yr.	Revised Report Indicator
		03 <input type="text"/> <input type="text"/>	04 <input type="text"/>
		Volume (Mcf at 14.73 psia)	Cost or Revenue (Dollars)
Purchased Gas Received in Distribution Service Area	05		
Delivered to Residential Consumers (Onsystem Sales)	06		
Delivered to Commercial Consumers (Onsystem Sales)	07		
Delivered to Industrial Consumers (Onsystem Sales)	08		
Delivered to Electric Utilities (Onsystem Sales)	09		
Transported to Residential Consumers	10		Shaded areas not required
Transported to Commercial Consumers	11		
Transported to Industrial Consumers	12		
Transported to Electric Utilities	13		
Total Delivered and Transported to Consumers	14		
Average Btu Content of Gas Delivered to Consumers	15		(Btu/cu. ft.)

SECTION II — Footnotes

SECTION III — CONTACT PERSON AND CERTIFICATION

Contact Person:		(Area Code—Number—Extension)	
16 Name: _____		17 Telephone: _____	
Certification: I certify that the information provided hereon is true and accurate or, where indicated on the form, reasonable estimates to the best of my knowledge.			
18 Name: _____		19 Title: _____	
Signature: _____		Date: _____	

Appendix C

Statistical Considerations

Statistical Considerations

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

Sample Design

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

Sample Universe. The sample currently in use was selected from a universe of 1,705 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 1990 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the

State to the three consuming sectors by the company in 1990. As a supplement, two companies with no deliveries to end users during 1990 but having subsequently started delivering very large volumes were sampled with certainty. There were two strata--companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 391 respondent companies. While some mergers and acquisitions were uncovered as a result of the initial mail-out, all resulted in a substitution of respondent companies rather than a reduction in the number of respondents. The sample for the 1992 survey year contains a total of 391 respondent companies.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors--the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value (C_j) were included in the certainty stratum. The formula for C_j was:

$$C_j = \frac{X_j}{2n} \quad (1)$$

where:

C_j = cutoff value for consumer sector j ,

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

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

X_i = the sum within State of annual gas volumes for company i ,

X_j = the sum within State of annual gas volumes in consumer sector j ,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

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

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

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

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

X_2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using ($I = \frac{X_2}{m}$). A uniform random number R was selected between zero and I . The first sampled company was the first company on the list to have a cumulative measure of size greater than R . The second company selected was the first company on the list to have a cu-

mulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In eight States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X_2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

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

Louisiana: companies handling only industrial gas and all other companies, with the latter being further subdivided according to size. The larger group is comprised of all companies with total deliveries of at least 200 million cubic feet while the smaller group consists of companies with less than that volume of delivered gas (three subgroups).

Texas: companies handling only residential/commercial gas, companies handling only industrial gas, and all other companies (three subgroups).

West Virginia: companies delivering only residential or commercial gas and all other companies.

Arkansas, Colorado, Georgia, Pennsylvania, and Tennessee: companies delivering 1 billion cubic feet or more of gas and companies delivering less than 1 billion cubic feet of gas.

Oklahoma: Companies delivering less than 500 million cubic feet of gas and those delivering more than that volume.

New York: companies delivering 8 billion cubic feet or more of gas and companies delivering less than 8 billion cubic feet of gas.

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector--residential, commercial, and industrial--in each State where companies are sampled.

The following annual data are taken from the most recent 1990 submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{Y_j}{Y'_j} \quad (3)$$

where:

Y_j = the sum within State of annual gas volumes in consumer sector j for all companies,

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

The ratio estimator is applied as follows:

$$V_j = y_j \times E_{vj} \quad (4)$$

where:

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

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

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

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

$$P_j = \frac{R_j}{V_j}$$

where:

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

V_j = the reported revenue from natural gas sales within the State in consumer sector j.

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

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

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

Table 33 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

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

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

$$F_t = F_{t-1} \times \frac{y_{jt}}{y_{jt-1}} \quad (5)$$

where:

F_t = imputed gas volume for current month t,

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

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

y_{jt-1} = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

R'_{jm} = The annual sum of estimated monthly revenues.

Revision of Volumes and Prices for Deliveries to Electric Utilities. Revisions to monthly electric utilities data are published throughout the year as they become available.

Reliability of Monthly Data

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

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

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

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

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, September 1993

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	79	332	1,277	1,322	0.21	0.21	0.29
Alaska	0	0	0	0	—	—	—
Arizona	14	9	0	17	.07	.01	—
Arkansas	45	72	153	175	.32	.03	.06
California	283	191	1,994	2,023	.05	.05	.24
Colorado	13	24	0	27	.01	—	—
Connecticut	0	0	0	0	—	—	—
Delaware	0	0	0	0	—	—	—
District of Columbia	0	0	0	0	—	—	—
Florida	25	43	1,984	1,985	.41	.04	.28
Georgia	492	813	2,459	2,637	.28	.18	1.74
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	3,358	2,881	1,259	4,478	.56	.52	.14
Indiana	198	230	1,350	1,384	1.11	.69	.40
Iowa	99	41	299	318	.70	.34	.48
Kansas	183	6,849	9,000	11,311	.41	.83	5.53
Kentucky	142	151	424	472	.25	.16	1.02
Louisiana	48	55	1,497	1,499	.18	.07	.02
Maine	0	0	0	0	—	—	—
Maryland	3	10	45	46	—	.02	.11
Massachusetts	79	57	509	518	.21	.23	.10
Michigan	542	123	881	1,042	.19	.09	.23
Minnesota	182	152	460	517	.08	.20	.15
Mississippi	159	53	339	378	.63	.48	.17
Missouri	396	139	857	780	.34	.71	3.71
Montana	6	6	0	9	.01	.02	—
Nebraska	20	6	225	226	.26	.01	.32
Nevada	0	0	0	0	—	—	—
New Hampshire	0	0	0	0	—	—	—
New Jersey	0	0	0	0	—	—	—
New Mexico	82	317	413	527	.30	.37	—
New York	440	999	1,161	1,593	.44	.09	.90
North Carolina	33	14	120	125	.43	.07	.12
North Dakota	0	0	0	0	—	—	—
Ohio	1,074	426	1,582	1,959	.15	.24	.17
Oklahoma	5	122	25	125	.02	.12	—
Oregon	0	0	0	0	—	—	—
Pennsylvania	49	50	2,046	2,047	.12	.11	.60
Rhode Island	0	0	0	0	—	—	—
South Carolina	7	9	676	676	.17	.31	.21
South Dakota	0	0	0	0	—	—	—
Tennessee	550	133	644	857	1.54	.06	.10
Texas	244	3,532	39,160	39,320	NA	NA	NA
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	122	345	750	834	.45	.53	.62
Washington	0	0	0	0	—	—	—
West Virginia	52	122	266	297	1.51	3.30	.50
Wisconsin	715	1,404	794	1,784	.14	1.34	.97
Wyoming	14	31	400	401	.04	.12	.16
U.S. Totals	3,804	8,423	40,601	41,639	.16	.28	.30

NA = Not Available.

— = Not Applicable.

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

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

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

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

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

Appendix D

Natural Gas Reports and Feature Articles

Natural Gas Reports and Feature Articles

Reports Dealing Principally with Natural Gas and/or Natural Gas Liquids

- *Natural Gas Annual 1992*, DOE/EIA-0131(92), October 1992.
- *Natural Gas Annual 1991 Supplement: Company Profiles* DOE/EIA-0131(91/S), January 1993.
- *Statistics of Interstate Natural Gas Pipeline Companies 1991*, DOE/EIA-0145(91), December 1992.
- *Gas Supplies of Interstate Natural Gas Pipeline Companies 1991*, DOE/EIA-0167(91), December 1992.

Other Reports Covering Natural Gas, Natural Gas Liquids, and Other Energy Sources

- *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves - 1992 Annual Report*, DOE/EIA-0216(92), October 1993.
- *Monthly Energy Review*, DOE/EIA-0035. Published monthly. Provides national aggregate data for natural gas, natural gas liquids, and other energy sources.
- *Annual Report to Congress 1992*, DOE/EIA-0173(92), March 1993. Published annually.
- *Annual Energy Outlook 1993*, DOE/EIA-0383(93), January 1993. Published annually.
- *Annual Energy Review 1992*, DOE/EIA-0384(92), June 1993. Published annually.
- *Short-Term Energy Outlook*, DOE/EIA-0202. Published quarterly. Provides forecasts for next six quarters for natural gas and other energy sources.

Selected One-Time Natural Gas and Related Reports

- *U.S. Production of Natural Gas from Tight Reservoirs*, DOE/EIA-TR-0574, October 1993
- *Energy Policy Act Transportation Rate Study*, DOE/EIA-0571, October 1993
- *Natural Gas 1992: Issues and Trends*, DOE/EIA-0560(20), March 1993.
- *Natural Gas Productive Capacity for the Lower 48 States, 1982 through 1993*, DOE/EIA-0542(93), March 1993.
- *Geologic Distributions of U.S. Oil and Gas*, DOE/EIA-0557, July 1992.
- *Capacity and Service on the Interstate Natural Gas Pipeline System 1990*, DOE/EIA-0556, June 1992.
- *Effects of Interruptible Natural Gas Service: Winter 1989-1990*, SR/OG-91-01, June 1991.
- *The Outlook for Natural Gas Imports: Supporting Analysis for the National Energy Strategy*, SR/NES/90-06, January 1991.

Selected and Recurring Natural Gas and Related Data Reference Reports

- *Directory of Energy Data Collection Forms*, DOE/EIA-0249(92), January 1993.
- *Oil and Gas Field Code Master List, 1991*, EIA-0370(91), January 1992.

NGM Feature Articles

January 1991

Take-or-Pay Settlements

(Presents information on the resolutions of the take-or-pay issue.)

February 1991

Recent Trends and Regional Variability in Underground Storage Activities

(Discusses underground storage in the expansion of end-use markets.)

March 1991

Natural Gas Transportation Services: An Update

(Reassesses transportation market activities by examining data through 1989 for major interstate pipeline companies.)

April 1991

An Overview of Recent Developments in the Underground Storage Market

(Reviews the changing market for underground natural gas storage services in the United States.)

May 1991

Analysis of Long-Term Contracts for Imports of Canadian Natural Gas

(Focuses on the contractual provisions that will govern imports of natural gas from Canada through the 1990's and beyond.)

June 1991

Natural Gas Productive Capacity for the Lower 48 States, 1980 through 1991

(Summarizes the full report and contrasts the findings for two major producing regions: Texas and the Gulf of Mexico Outer Continental Shelf.)

July 1991

The Outlook for Natural Gas 1991

(Focuses upon the natural gas supply and market aspects of the forecasts contained in the *Annual Outlook for Oil and Gas 1991*.)

August 1991

U.S. Natural Gas Imports and Exports - 1990

(Contains final 1990 data on all U.S. imports and exports of natural gas.)

September 1991

Background on the Natural Gas Industry

(Focuses on changes in the industry that pertain to natural gas.)

Domestic Natural Gas Reserves and Production Dedicated to Interstate Pipeline Companies, 1990

(Provides preliminary data on natural gas reserves and production dedicated to the interstate market.)

March 1992

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

August 1992

U.S. Natural Gas Imports and Exports - 1991

(Contains final 1991 data on all U.S. imports and exports of natural gas.)

November 1992

Natural Gas Futures Contract Market - The First 2 Years

(Reviews the financial and economic significance of trading in natural gas futures markets.)

December 1992

Three-Dimensional Seismology -- A New Perspective

(Describes the impact 3D seismology will have on future U.S. reserves and production.)

Imports of Canadian Gas Under Long-Term Contracts

(Addresses how regulatory changes have altered the contractual revisions of long-term agreements.)

March 1993

Natural Gas 1992: Issues and Trends

(Provides an overview of the natural gas industry in 1991 and 1992, focusing on trends in production, consumption, and pricing of natural gas.)

Natural Gas Productive Capacity

(Analyzes monthly natural gas wellhead productive capacity and projects this capacity for 1992 and 1993.)

April 1993

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

August 1993

U.S. Natural Gas Imports and Exports - 1992

(Contains final 1992 data on all U.S. imports and exports of natural gas.)

November 1993

U.S. Production of Natural Gas from Tight Reservoirs

(Discusses the economic incentives offered to induce operators to explore for and develop gas reservoirs from unconventional sources.)

The Expanding Role of Underground Storage

(Discusses the expanded role of underground natural gas storage in the restructured natural gas industry.)

Appendix E

Technical Contacts

Appendix E

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics:				
Natural Gas Production and Consumption	1, 2, 3	Monthly:	Interstate Oil and Gas Compact Commission (IOGCC)	Donna Guerrina (202) 586-6135
		Annual:	EIA-627, "Annual Quantity and Value of Natural Gas Report"	
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Extraction Loss	1	Monthly:	EIA computations	Margo Natof (202) 586-6303
		Annual:	Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	
Supplemental Gaseous Fuels	2	Monthly:	EIA computations	Donna Guerrina (202) 586-6135
		Annual:	Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Margo Natof (202) 586-6303
Imports and Exports	2	Monthly:	EIA computations	Norman Crabtree (202) 586-6181
		Annual:	Form FPC-14, "Annual Reports for Importers and Exporters of Natural Gas"	
Price:				
City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Imports and Purchases from Producers	4	Monthly:	Form FERC-11, "Natural Gas Pipeline Company Monthly Statement"	James Keeling (202) 586-6107
Wellhead	4	Monthly:	EIA computations	Donna Guerrina (202) 586-6135
		Annual:	Form EIA-627, "Annual Quantity and Value of Natural Gas Report"	
Electric Utility	4	Monthly:	Form FPC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202) 586-4790
Summary of Natural Gas Imports and Exports	5, 6	Monthly:	Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas"	Norman Crabtree (202) 586-6181
Producer Related Activities:				
Natural Gas Production	7	Monthly:	Interstate Oil and Gas Compact Commission (IOGCC)	Donna Guerrina (202) 586-6135
Interstate Pipeline Activities:	8, 9, 10, 11, 12	Monthly:	Form FERC-11, "Natural Gas Pipeline Company Monthly Statement"	James Keeling (202) 586-6107
Underground Storage:	13, 14, 15, 16, 17	Monthly:	Forms FERC-8 and EIA-191, "Underground Gas Storage Report"	Rosemary Jameson (202) 586-6229
Distribution and Consumption:				
Deliveries to:				
Residential,	18	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Commercial,	19			
Industrial,	20			
Electric Utility,	21		Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	
All Consumers	22			
Average Price to:				

City Gate	23	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Residential,	24			
Commercial,	25		Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	
Industrial,	26			
Electric Utility	27			
Onsystem Sales	28	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Heating Degree Days	29	Seasonal:	National Oceanic and Atmospheric Administration	Rosemary Jameson (202) 586-6229
Highlights				Carol Jones (202) 586-6168
Industry Overview				Eva Fleming (202) 586-6113

Glossary

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

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

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

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

Commercial Consumption: Gas used by nonmanufacturing organizations such as hotels, restaurants, retail stores, laundries, and other service enterprises, and gas used by local, State, and Federal agencies engaged in nonmanufacturing activities.

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

Depreciation: The loss in service value not restored by current maintenance, incurred in connection with the consumption or respective retirement of a gas

plant in the course of service from causes that are known to be in current operation and against which the utility is not protected by insurance; for example, wear and tear, decay, obsolescence, changes in demand and requirements of public authorities, and the exhaustion of natural resources.

Dry Natural Gas Production: Marketed production less extraction loss.

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

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

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

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

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

Hinshaw Pipeline: A pipeline or local distribution company that has received exemption, (by Section 1 (c) of the Natural Gas Act), from regulations pursuant to the Natural Gas Act. These companies transport interstate natural gas not subject to regulations under NGA.

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

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

Industrial Consumption: Natural gas used by manufacturing and mining establishments for heat, power, and chemical feedstock.

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

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Intrastate Companies: Companies not subject to FERC jurisdiction.

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

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

Major Interstate Pipeline Company: A company whose combined sales for resale, and gas transported interstate or stored for a fee, exceeded 50 million thousand cubic feet in the previous year.

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

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

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

Natural Gas Policy Act of 1978 (NGPA): Signed into law on November 9, 1978, the NGPA is a framework for the regulation of most facets of the natural gas industry. See Explanatory Note 10 for a full discussion.

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

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

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

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

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

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

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

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

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

Therm: One-hundred thousand British thermal units.

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

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

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

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

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