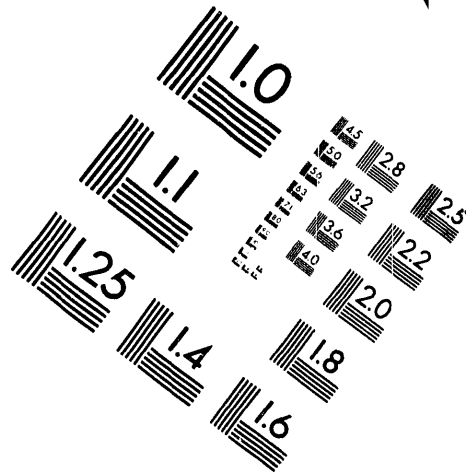
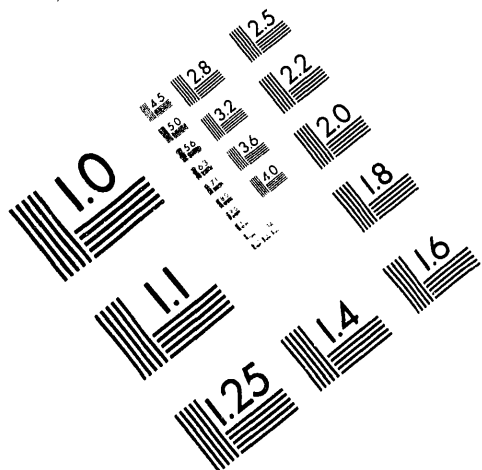




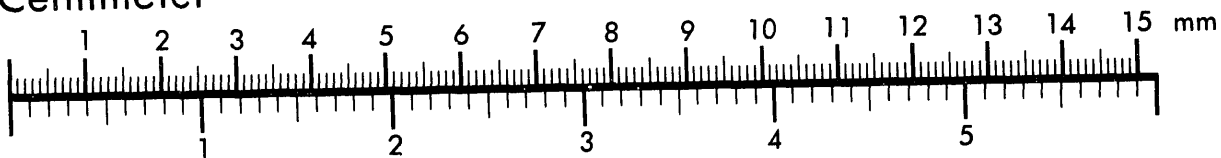
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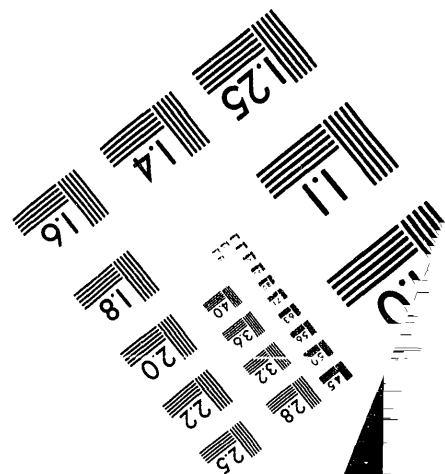
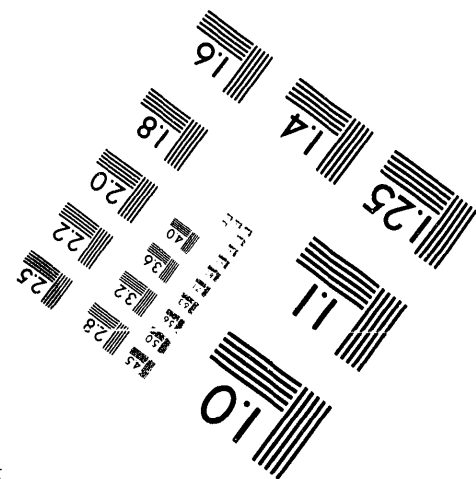
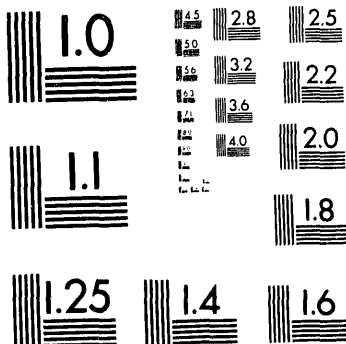
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Natural Gas Monthly June 1993

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
Washington, DC 20585

MASTER

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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	LNG	Liquefied Natural Gas
BLS	Bureau of Labor Statistics, U.S. Department of Labor	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
Btu	British Thermal Unit	MMS	United States Minerals Management Service, U.S. Department of the Interior
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
FERC	Federal Energy Regulatory Commission	PGA	Purchased Gas Adjustment
		Tcf	Trillion Cubic Feet

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Overview

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 1,529 billion cubic feet in April 1993 (Table 1). This is 2 percent higher than in April 1992.

The total gas supply available for disposition in April 1993 was an estimated 2,064 billion cubic feet, 9 percent higher than in April 1992 (Table 2). The April 1993 total includes 109 billion cubic feet withdrawn from storage, 10 billion cubic feet of supplemental fuel supplies, and 176 billion cubic feet of imported gas.

On the disposition side, the consumption of 1,830 billion cubic feet was 13 percent less than in March 1993 and 7 percent greater than in April 1992 (Table 2). Total disposition included 222 billion cubic feet of gas injected into underground storage reservoirs and exports of 12 billion cubic feet.

Consumption

Data for the four major end-use sectors indicate that the total amount of gas delivered to all consumers decreased to 1,937 billion cubic feet in March 1993, from 1,977 billion cubic feet in February 1993 (Table 3). Consumption in the industrial sector increased from 645 billion cubic feet in February 1993 to 669 billion cubic feet in March 1993, an increase of 4 percent.

The electric utility sector consumed 194 billion cubic feet in March 1993, which is 20 percent greater than

in February 1993 and a 7-percent decrease from March 1992.

The residential sector consumed 702 billion cubic feet in March 1993, 21 percent greater than in March 1992. The commercial sector consumed 372 billion cubic feet in March 1993, 19 percent higher than in March 1992.

Prices

In March 1993, major interstate pipeline companies paid an average of \$2.20 per thousand cubic feet for gas purchased from domestic producers, 13 percent higher than February's \$1.94 price and a 16-percent increase from the \$1.90 paid in March 1992 (Table 4). In March 1993, these pipeline companies paid \$1.78 per thousand cubic feet for imported gas.

Distributors paid an average \$3.06 per thousand cubic feet for gas at the city gate in March 1993. This is 2 percent higher than what these distributors paid in February 1993 and 17 percent greater than they paid in March 1992. Residential consumers paid \$5.67 per thousand cubic feet in March 1993, 3 percent higher than what they paid in March 1992. Commercial consumers paid \$5.06 per thousand cubic feet in March 1993, less than 1 percent lower than the \$5.08 paid in February 1993, and 6 percent higher than what they paid in March 1992.

Industrial consumers paid \$3.09 per thousand cubic feet in March 1993, a 1-percent decrease from the February 1993 price of \$3.12 and 20 percent greater than in March 1992. Electric utilities paid an average of \$2.55 per thousand cubic feet in February 1993, a decrease of 6 percent from the \$2.70 per thousand cubic feet paid in January 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	1,963	235	24	13	1,692	76	1,616
February	1,741	221	22	12	1,487	67	1,420
March	1,894	245	24	13	1,612	72	1,539
April	1,804	234	21	14	1,536	69	1,467
May	1,791	227	23	15	1,526	69	1,458
June	1,717	226	22	14	1,455	65	1,389
July	1,744	236	23	16	1,469	66	1,403
August	1,744	231	23	15	1,474	66	1,408
September	1,720	214	24	14	1,468	66	1,402
October	1,868	245	23	15	1,585	71	1,513
November	1,869	226	23	15	1,605	72	1,533
December	1,948	231	24	15	1,678	75	1,603
Total	21,803	2,772	276	170	18,586	835	17,751
1992							
January	1,941	248	24	16	1,653	75	1,578
February	1,741	242	22	13	1,464	66	1,398
March	1,835	261	22	14	1,537	69	1,468
April	1,790	248	23	14	1,505	68	1,437
May	1,829	249	22	14	1,544	70	1,475
June	1,794	242	22	14	1,515	68	1,447
July	1,827	242	23	15	1,547	70	1,477
August	1,790	242	22	14	1,510	68	1,442
September	1,774	252	20	15	1,487	67	1,420
October	1,891	261	23	14	R 1,593	72	R 1,521
November	1,905	R 258	23	15	R 1,609	73	R 1,536
December	R 1,962	273	23	15	R 1,651	R 74	R 1,577
Total	R 22,078	3,019	269	174	R 18,617	840	R 17,777
1993							
January	1,999	270	23	15	1,692	76	1,616
February	R 1,782	R 246	R 22	R 14	R 1,500	R 68	R 1,432
March	E 1,863	E 248	E 21	E 14	E 1,580	E 71	E 1,509
April	E 1,818	E 253	E 22	E 14	E 1,529	E 69	E 1,460
1993 YTD	7,461	1,016	88	56	6,301	284	6,017
1992 YTD	7,307	999	91	57	6,160	278	5,882
1991 YTD	7,403	935	91	51	6,326	284	6,041

^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 1991 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 1991*, Table 7 and EIA estimates, January 1992 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 ^d	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	16,621	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	1,986	123	1,532	-149	21,302	2,499	86	18,716
1991									
January	1,616	682	11	163	-39	2,433	115	10	2,308
February	1,420	409	10	138	67	2,044	112	11	1,920
March	1,539	297	11	151	-11	1,987	129	10	1,848
April	1,467	104	10	144	69	1,793	234	9	1,550
May	1,458	58	9	141	17	1,683	331	8	1,344
June	1,389	42	8	133	-34	1,538	326	7	1,206
July	1,403	75	9	135	-25	1,597	299	8	1,291
August	1,408	82	9	127	-44	1,582	290	10	1,281
September	1,402	78	8	134	-69	1,552	304	11	1,238
October	1,513	103	10	157	-85	1,698	258	14	1,426
November	1,533	360	9	169	-207	1,864	150	15	1,699
December	1,603	461	10	181	-95	2,160	125	18	2,018
Total	17,751	2,752	113	1,773	-457	21,932	2,672	129	19,129
1992									
January	1,578	572	12	175	R -14	R 2,323	57	17	R 2,249
February	1,398	436	11	171	R 96	R 2,112	53	14	R 2,045
March	1,468	370	11	178	R 24	R 2,051	73	25	R 1,954
April	1,437	140	10	179	R 119	R 1,886	159	18	R 1,709
May	1,475	50	9	175	R 70	R 1,780	321	20	R 1,438
June	1,447	40	8	157	3	1,656	358	22	1,276
July	1,477	52	8	171	-9	R 1,700	352	20	R 1,328
August	1,442	62	9	167	-21	1,659	358	22	1,280
September	1,420	52	9	159	R -19	R 1,630	336	23	R 1,271
October	R 1,521	80	10	170	R -110	R 1,671	262	22	R 1,387
November	R 1,536	267	11	167	R -180	1,801	94	19	R 1,688
December	R 1,577	535	12	205	R -128	R 2,201	57	19	R 2,125
Total	R 17,777	2,656	120	2,083	R -168	R 22,469	2,479	240	R 19,749
1993									
January	1,616	600	13	198	R -84	R 2,343	45	E 18	R 2,279
February	R 1,432	581	11	R 183	R -16	R 2,191	30	E 15	R 2,146
March	E 1,509	385	E 11	RE 192	R 111	R 2,208	81	E 18	R 2,109
April	E 1,460	109	E 10	E 176	309	2,064	222	E 12	E 1,830
1993 YTD	6,017	1,675	45	749	321	8,807	378	64	8,364
1992 YTD	5,882	1,518	44	703	226	8,372	342	73	7,957
1991 YTD	6,041	1,493	41	597	86	8,257	590	39	7,627

^a Monthly and annual data for 1987 through 1991 include underground storage and liquefied natural gas storage. Data for January 1992 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 1991 do not equal equivalent data in Table 1 of the *Natural Gas Annual 1991* 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.

E = Estimated Data.

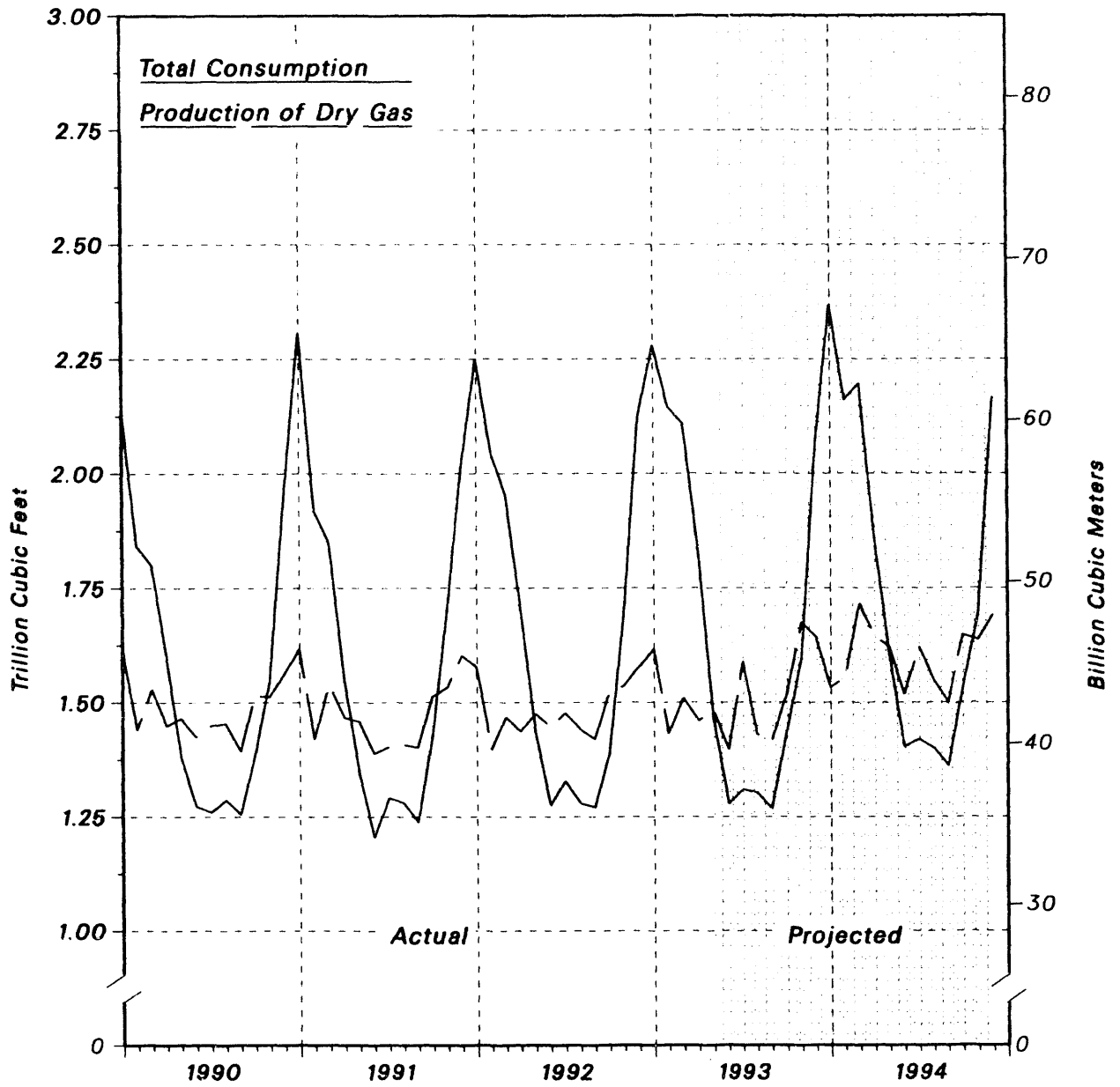
R = Revised Data.

RE = Revised Estimated Data.

Notes: Data for 1987 through 1991 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 1991*, 1987 through 1991; IOGCC, MMS reporting, and EIA estimates, January 1992 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 1991*, 1987 through 1991; Form EIA-191, January 1992 through current month. •Supplemental Gaseous Fuels: EIA *Natural Gas Annual 1991* 1987 through 1991; and EIA computations, January 1992 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 1991; and EIA estimates, January 1992 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 1991*, 1987 through 1991; and EIA computations, January 1992 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	104	81	844	434	672	173	2,123	2,308
February	92	68	664	359	591	146	1,761	1,920
March	100	65	573	311	607	193	1,683	1,848
April	95	55	373	226	586	216	1,400	1,550
May	94	47	229	154	571	249	1,202	1,344
June	90	42	148	119	546	260	1,073	1,206
July	92	45	126	125	572	330	1,153	1,291
August	92	45	118	113	586	328	1,144	1,281
September	91	44	138	121	582	263	1,104	1,238
October	98	50	225	163	626	263	1,278	1,426
November	99	60	459	256	627	198	1,540	1,699
December	103	71	658	350	665	170	1,844	2,018
Total	1,150	674	4,556	2,730	7,231	2,789	17,305	19,129
1992								
January	102	79	788	R 405	R 705	169	R 2,067	R 2,249
February	91	72	696	362	R 653	170	R 1,882	R 2,045
March	95	R 69	578	313	R 691	208	R 1,789	R 1,954
April	93	60	432	247	R 648	229	R 1,555	R 1,709
May	96	R 51	252	168	R 636	236	R 1,292	R 1,438
June	94	45	162	123	585	266	1,137	1,276
July	96	47	132	121	599	334	1,186	R 1,328
August	94	45	126	120	593	303	1,141	1,280
September	92	R 45	137	119	R 604	274	R 1,134	R 1,271
October	99	R 49	241	164	R 622	213	R 1,239	R 1,387
November	100	60	440	253	R 647	189	1,529	R 1,688
December	R 102	75	719	374	R 678	176	R 1,947	R 2,125
Total	1,154	R 696	4,703	R 2,770	R 7,661	2,766	R 17,899	R 19,749
1993								
January	105	R 80	R 832	418	R 680	164	R 2,094	R 2,279
February	R 93	R 76	R 765	R 405	645	162	R 1,977	R 2,146
March	98	74	702	372	669	194	1,937	2,109
1993 YTD	296	230	2,299	1,195	1,995	520	6,008	6,534
1992 YTD	289	220	2,062	1,080	2,050	547	5,739	6,248
1991 YTD	296	214	2,081	1,103	1,870	512	5,567	6,077

^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.

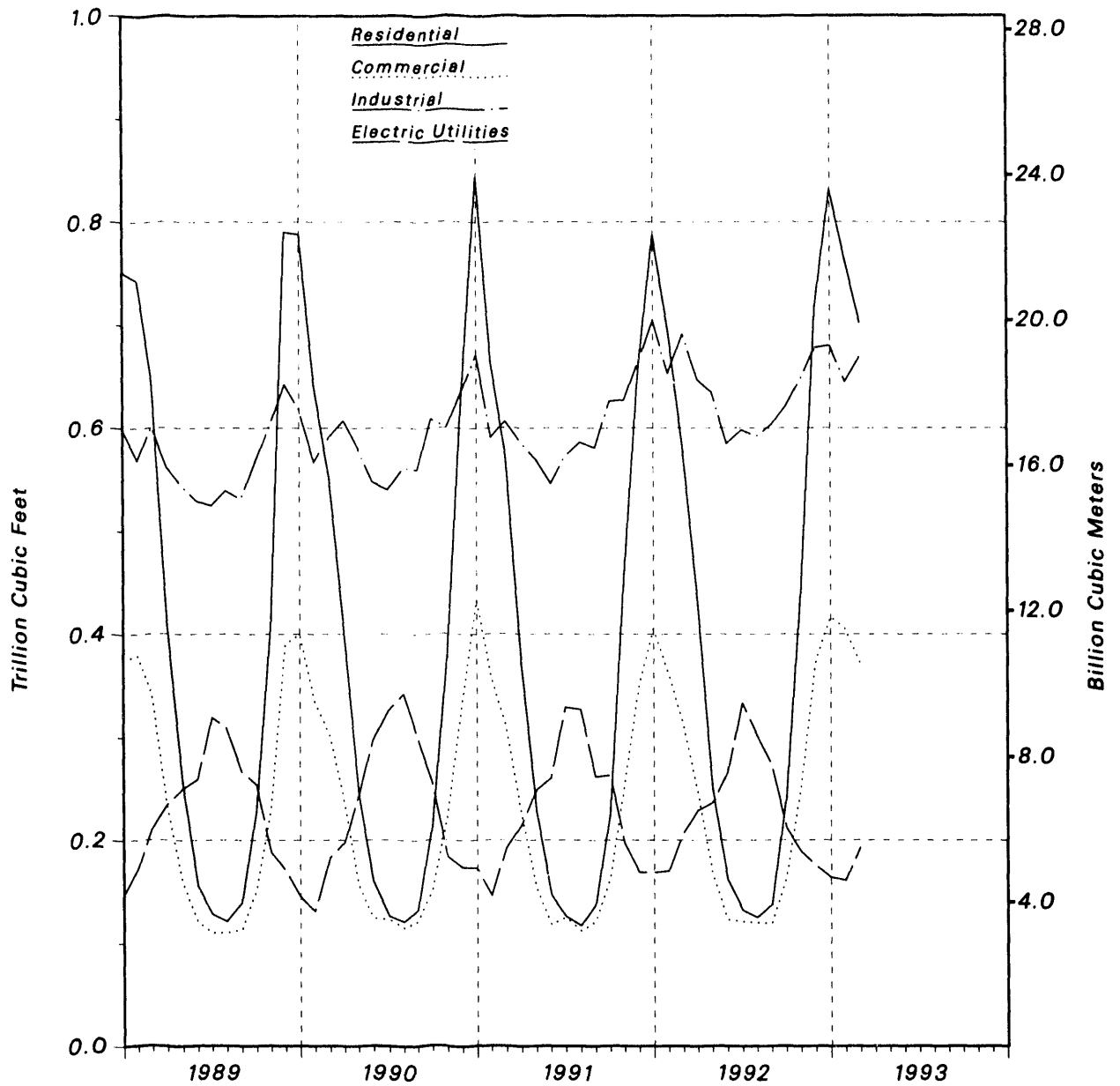
^b Pipeline fuel use is only collected on an annual basis. Annually it is between 3 and 4 percent of total consumption. Monthly pipeline fuel data are estimated from monthly total consumption (excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve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

R = Revised Data.

Notes: Data for 1987 through 1991 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 1991*, 1987 through 1991; and Form EIA-857 and computations January 1992 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	2.39
1991								
January	1.96	R 2.20	R 2.19	3.08	5.54	4.94	3.25	2.70
February	1.62	R 2.10	R 1.93	2.94	5.56	4.94	2.97	2.35
March	1.49	R 1.92	R 2.02	2.78	5.60	4.89	2.75	2.21
April	1.50	R 2.03	R 1.87	2.74	5.90	4.87	2.68	2.10
May	1.48	R 1.99	R 1.96	2.76	6.28	4.65	2.40	2.01
June	1.43	R 2.03	R 1.75	2.86	6.98	4.80	2.34	1.94
July	1.34	R 2.11	R 1.79	2.74	7.23	4.50	2.23	1.88
August	1.43	1.71	R 1.71	2.78	7.36	4.73	2.29	1.96
September	1.59	R 1.84	R 1.76	2.91	6.92	4.57	2.40	2.19
October	1.82	R 2.00	R 1.94	2.92	6.20	4.58	2.69	2.35
November	1.89	2.20	R 2.02	2.92	5.51	4.71	2.84	2.43
December	2.00	2.09	R 2.11	3.05	5.51	4.84	3.09	2.64
Annual Average	1.64	R 2.02	R 1.92	2.90	5.82	4.81	2.69	2.18
1992								
January	R 1.73	2.20	2.10	2.90	5.53	4.85	R 3.05	2.49
February	R 1.31	1.98	1.70	2.71	5.53	5.04	R 2.79	2.03
March	R 1.40	1.45	1.90	2.62	5.48	4.77	2.58	1.99
April	R 1.47	2.01	1.84	2.75	5.61	4.78	R 2.53	2.07
May	R 1.57	1.79	1.99	2.90	6.14	4.59	R 2.44	2.11
June	R 1.68	2.03	2.16	3.01	6.82	4.72	2.52	2.18
July	R 1.61	1.89	1.86	3.01	7.23	4.63	2.50	2.15
August	R 1.91	1.82	2.14	3.18	7.40	4.72	2.67	2.42
September	R 1.99	2.05	2.13	3.24	7.11	4.69	R 2.78	2.51
October	R 2.46	2.13	2.69	3.49	6.19	4.90	R 2.98	3.04
November	R 2.20	2.32	2.37	3.33	5.99	5.11	3.24	2.87
December	R 2.14	1.92	2.40	3.17	5.71	5.11	3.34	2.81
Annual Average	R 1.80	1.97	2.11	3.01	5.86	4.87	2.81	2.37
1993								
January	R 2.05	2.02	2.17	3.10	R 5.70	5.17	R 3.25	2.70
February	R 1.79	1.91	1.94	3.00	5.71	5.08	3.12	2.55
March	E 2.05	1.78	2.20	3.06	5.67	5.06	3.09	NA
1993 YTD	1.96	1.90	2.10	3.05	5.69	5.10	3.15	1.64
1992 YTD	1.48	1.87	1.89	2.75	5.51	4.89	2.81	2.15
1991 YTD	1.69	2.07	2.04	2.95	5.56	4.92	3.00	2.41

^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.

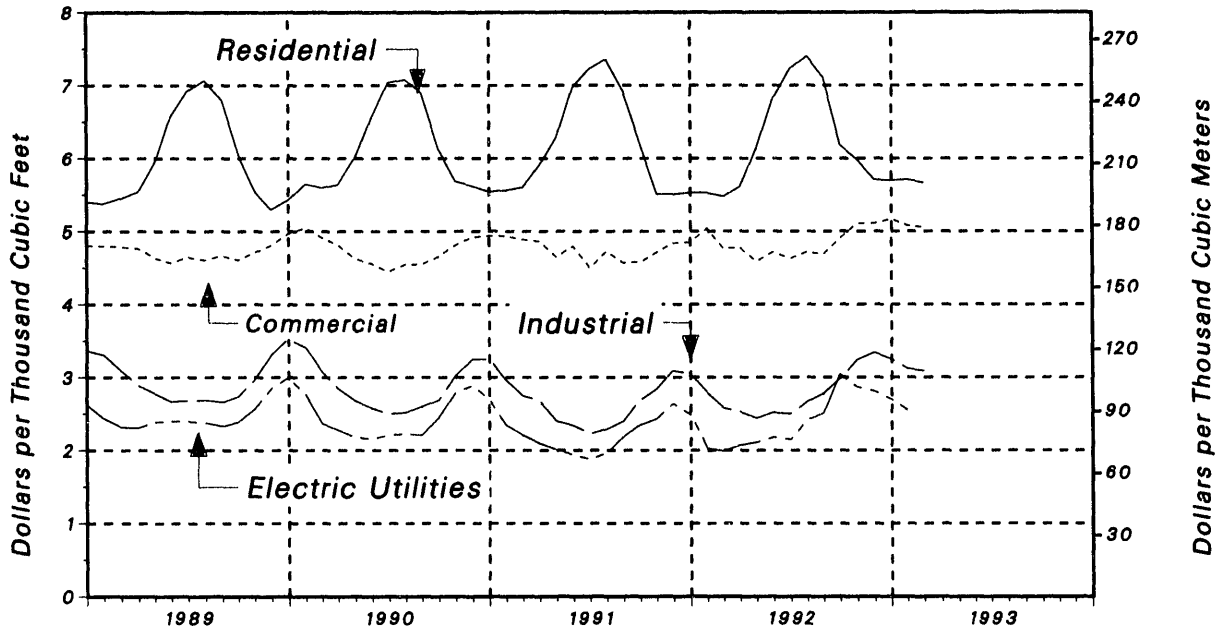
R = Revised Data.

E = Estimated Data.

Notes: Data for 1987 through 1991 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.

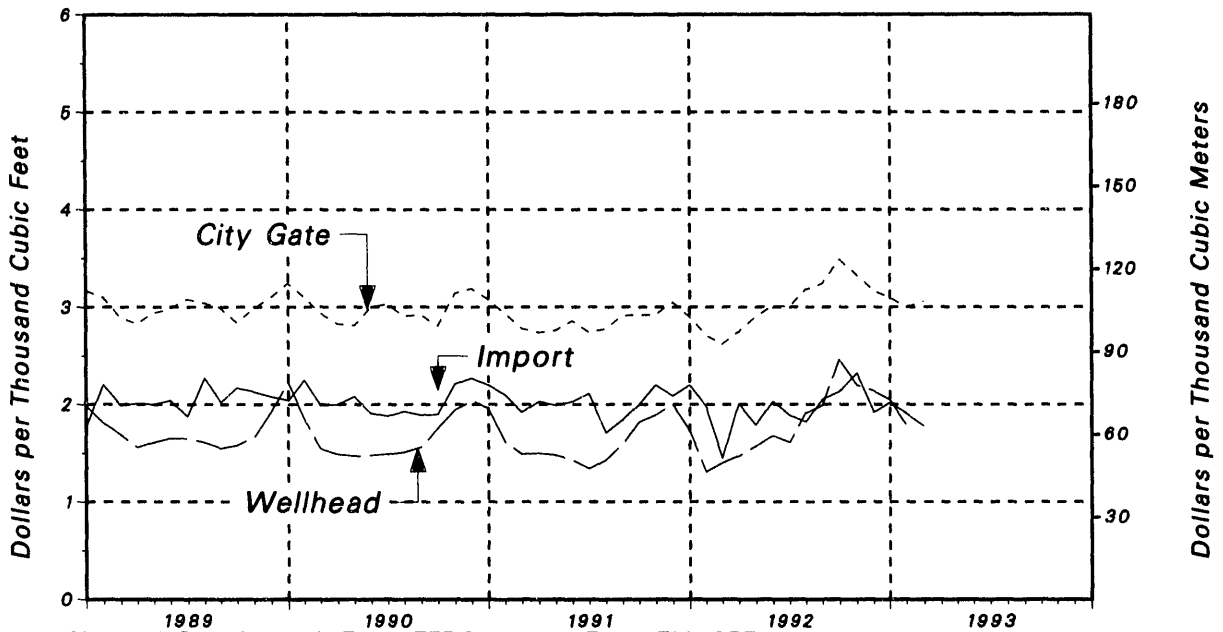
Sources: •Average wellhead price: EIA *Natural Gas Annual 1991*, 1987 through 1991; and EIA estimates, January 1992 through current month. See Appendix A, Explanatory Note 8 for estimation procedures and revision policy. •Imports and Interstate Pipeline Company Purchases: Form FERC-11. •Average City Gas, 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 1991*. 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	1.65	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	166,996	1.89	7,549	2.29	174,545	1.90
February	165,924	1.70	5,076	2.52	171,000	1.73
March	175,495	1.72	2,503	2.24	177,998	1.73
April	176,468	1.67	2,531	2.02	178,999	1.66
May	175,000	1.73	0	—	175,000	1.73
June	154,495	1.74	2,505	2.01	157,000	1.75
July	171,000	1.78	0	—	171,000	1.78
August	164,508	1.87	2,492	2.73	167,000	1.88
September	166,000	1.89	2,533	1.67	168,533	1.89
October	167,437	2.16	2,563	2.21	170,000	2.16
November	159,367	2.08	7,508	2.64	166,875	2.10
December	197,800	2.16	7,416	2.21	205,216	2.16
Total	2,040,490	1.87	42,677	2.33	2,083,167	1.88
1993						
January	192,899	NA	5,141	NA	198,039	NA
February	^R 175,444	NA	7,654	NA	^R 183,097	NA
March	^{RE} 187,176	NA	5,146	NA	^{RE} 192,322	NA
April	^E 167,849	NA	7,720	NA	^E 175,569	NA
1993 YTD	723,367	NA	25,660	NA	749,027	NA
1992 YTD	684,883	1.74	17,659	2.31	702,542	1.75
1991 YTD	573,983	1.89	22,905	2.61	596,888	1.92

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

Source: 1987-1991: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1992 through the current month; Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports, Fourth Quarter Report 1992*. 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	2,434	1.88	9,892	1.76	4,368	3.65	16,694	2.27
February	3,641	1.44	5,996	1.22	4,367	3.51	14,004	1.99
March	13,533	2.17	6,760	1.39	4,367	3.34	24,660	2.16
April	6,809	1.38	6,508	1.53	4,404	3.28	17,721	1.91
May	7,819	1.61	6,736	1.71	5,828	3.30	20,383	2.13
June	11,755	1.80	6,314	1.78	4,380	3.38	22,449	2.10
July	9,490	1.73	6,041	1.69	4,380	3.50	19,911	2.11
August	7,678	1.93	9,507	1.97	4,377	3.30	21,562	2.23
September	11,171	2.07	7,123	2.03	4,407	3.38	22,701	2.31
October	9,555	2.44	9,563	2.69	2,920	3.67	22,038	2.71
November	4,086	2.16	10,201	2.25	4,511	3.63	18,798	2.56
December	7,581	2.30	7,511	2.17	4,230	3.69	19,322	2.55
Total	95,552	1.95	92,152	1.90	52,539	3.46	240,244	2.26
1993								
January	E 5,000	NA	E 9,000	NA	4,367	NA	E 18,367	NA
February	E 5,000	NA	E 6,000	NA	4,355	NA	E 15,355	NA
March	E 5,000	NA	E 7,500	NA	5,812	NA	E 18,312	NA
April	E 4,000	NA	E 4,000	NA	4,373	NA	E 12,373	NA
1993 YTD	19,000	NA	26,500	NA	18,907	NA	64,407	NA
1992 YTD	26,417	1.83	29,156	1.51	17,506	3.44	73,079	2.09
1991 YTD	6,283	2.14	13,943	1.76	18,942	4.35	39,168	3.07

NA = Not Available.
R = Revised Data.
E = Estimated Data.
RE = Revised Estimated Data.

Source: 1987-1991: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." January 1992 through the current month: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports, Fourth Quarter Report 1992*. 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	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	50,733
June	13,174	33,065	29,259	23,034	94	46,685
July	14,400	33,840	32,169	23,088	381	44,912
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	437,821	378,384	285,961	4,884	628,459
1992						
January	21,500	40,822	31,214	27,414	590	61,006
February	21,725	37,412	28,599	25,451	543	56,379
March	21,965	38,566	30,382	24,568	514	52,470
April	22,044	37,247	30,176	25,138	502	47,019
May	20,938	37,143	30,712	26,318	534	50,327
June	22,824	34,258	28,051	26,270	600	50,321
July	24,148	35,055	29,379	25,501	568	48,577
August	23,567	32,864	28,522	27,256	568	47,713
September	23,640	32,330	27,729	26,275	567	45,487
October	25,150	39,173	28,844	27,556	662	53,782
November	^R 24,387	38,519	26,646	^E 28,785	600	62,632
December	^R 24,854	40,928	26,828	^E 32,046	599	68,404
Total	^R 276,742	444,317	347,082	322,578	6,847	644,117
1993						
January	^E 31,405	41,375	26,936	^E 29,601	637	63,134
February	^E 30,255	35,689	24,005	^E 29,041	573	^E 55,331
1993 YTD	61,660	77,064	50,941	58,642	1,210	118,465
1992 YTD	43,225	78,234	59,813	52,865	1,133	117,385
1991 YTD	25,133	76,468	57,174	43,454	576	118,492

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	102,645	51,307	854,615	51,174
1990 Total	5,241,989	172,151	94,616	50,429	965,104	52,169
1991						
January	468,582	15,493	9,113	5,235	96,319	4,640
February	408,976	13,850	7,601	4,433	79,943	4,162
March	440,392	17,320	9,021	4,779	89,186	4,588
April	421,648	18,019	9,345	4,786	86,221	4,351
May	415,252	19,521	9,745	4,516	86,029	4,419
June	388,441	15,994	9,498	3,467	81,862	4,481
July	387,062	16,468	9,467	3,501	77,279	4,787
August	392,981	15,697	8,866	4,081	83,204	4,625
September	394,189	16,040	8,183	3,940	83,766	4,054
October	430,727	15,055	8,615	4,393	91,254	4,253
November	430,549	15,344	9,217	4,166	90,101	4,482
December	455,548	16,948	9,359	4,702	93,119	4,638
Total	5,034,347	195,749	108,031	51,999	1,038,282	53,479
1992						
January	455,526	13,589	8,635	4,821	92,625	4,179
February	403,984	12,208	7,601	4,800	84,455	3,802
March	422,854	15,539	7,728	5,199	92,897	4,378
April	413,831	14,654	7,521	4,563	99,043	3,826
May	433,964	12,540	7,579	4,387	105,375	3,822
June	418,752	20,196	7,423	3,641	98,615	3,788
July	429,576	15,735	7,507	3,822	109,411	3,910
August	383,921	16,728	7,527	3,714	111,769	3,960
September	^E 378,742	18,738	7,005	3,741	106,324	3,763
October	^E 413,140	17,142	7,591	^R 4,499	108,619	4,100
November	^E 424,498	13,805	7,668	^R 5,110	110,716	3,982
December	^E 444,516	18,376	7,565	5,158	116,724	3,905
Total	5,023,304	189,250	91,350	^R 53,455	1,236,573	47,415
1993						
January	^E 449,393	18,622	7,657	5,205	116,697	4,167
February	^E 400,231	9,728	7,249	^E 4,777	108,459	3,644
1993 YTD	849,624	28,350	14,906	9,982	225,156	7,811
1992 YTD	859,510	25,797	16,236	9,621	177,080	7,981
1991 YTD	877,558	29,343	16,714	9,668	176,262	8,802

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	145,875	735,728	810,100	18,593,792
1991						
January	194,179	573,117	13,995	68,011	74,942	1,691,546
February	176,577	500,163	11,573	60,587	65,519	1,486,761
March	189,362	538,160	12,789	70,023	69,824	1,611,528
April	182,592	511,425	11,468	66,126	64,097	1,535,684
May	181,866	517,003	11,206	62,086	63,281	1,526,095
June	168,292	504,443	10,567	61,837	60,584	1,454,778
July	176,757	509,407	11,021	62,410	62,247	1,469,195
August	171,545	507,636	12,009	65,429	61,743	1,474,459
September	167,684	504,853	11,131	62,169	60,125	1,468,116
October	180,504	544,201	13,869	63,623	66,206	1,584,573
November	179,976	549,557	14,091	68,055	68,392	1,604,890
December	184,515	574,964	11,098	66,172	71,366	1,678,170
Total	2,153,849	6,334,030	144,817	776,528	788,328	18,585,795
1992						
January	182,220	551,727	11,797	69,316	^E 75,741	1,652,721
February	164,317	483,622	11,312	49,958	^E 68,113	1,464,282
March	164,117	508,378	12,727	65,119	^E 70,062	1,537,464
April	166,322	493,548	11,852	62,708	^E 65,307	1,505,299
May	163,402	510,858	13,378	59,063	^E 64,003	1,544,342
June	164,646	495,744	13,310	63,318	^E 63,716	1,515,474
July	159,166	508,172	13,930	70,253	^E 62,498	1,547,207
August	157,543	516,628	14,425	69,635	^E 64,118	1,510,457
September	158,603	512,557	15,250	66,021	^E 60,626	1,487,396
October	169,089	541,550	17,177	69,072	^E 65,451	^R 1,592,597
November	^E 171,039	537,072	16,718	70,146	^E 66,445	^R 1,608,768
December	^E 176,390	524,547	19,417	69,495	^E 71,210	^R 1,650,962
Total	1,996,854	6,184,403	171,293	784,104	797,290	^R 18,616,969
1993						
January	^E 181,647	553,029	19,774	67,413	^E 75,313	1,692,004
February	^E 162,327	490,478	19,304	51,199	^E 67,368	1,499,658
1993 YTD	343,974	1,043,507	39,078	118,612	142,681	3,191,662
1992 YTD	346,537	1,035,349	23,109	119,274	143,854	3,117,003
1991 YTD	370,755	1,073,280	25,568	128,598	140,461	3,178,307

^a Includes Arizona, Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1993 monthly values for these States are estimated.

^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 1991*, 1987 through 1991. •IOGCC, MMS reports, and EIA computations, January 1992 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	5,852	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	1,387	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	1,815	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	272	1,499	1,107	115	55	1,324	174	267	123
May	269	1,475	1,084	123	58	1,311	165	368	227
June	215	1,441	1,056	113	52	1,253	188	314	171
July	234	1,417	1,020	124	55	1,237	181	298	147
August	264	1,564	1,157	131	54	1,412	152	268	124
September	254	1,957	1,552	-24	49	1,628	329	378	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	3,683	21,535	16,058	1,128	663	18,899	2,635	4,046	2,378
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

^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.

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*	Volume	Price*	Volume	Price*	Volume	Price*	Volume	Price*	
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	465,592	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	205,892	3.33	237,807	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	R 3.32	340,336	R 3.42	49
March	R 11,460	R 2.14	R 35,898	4.42	R 47,358	3.87	R 290,133	R 3.14	R 337,491	R 3.24	49
April	14,206	2.14	26,940	4.79	41,146	3.87	218,895	2.97	260,041	3.11	50
May	14,815	1.56	16,500	5.11	31,315	3.43	224,588	2.93	255,903	2.99	50
June	10,064	2.45	13,421	5.45	23,485	4.17	179,992	2.62	203,477	2.80	50
July	13,135	1.97	14,070	5.25	27,205	3.67	185,106	3.02	212,311	3.10	50
August	16,163	2.29	13,924	5.28	30,087	3.67	213,459	3.12	243,546	3.19	50
September	12,827	2.56	13,914	5.36	26,741	4.01	207,782	3.30	234,523	3.38	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 153,595	2.37	R 352,679	4.85	R 506,274	4.10	R 3,011,934	R 3.21	R 3,518,208	R 3.34	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

* 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, March 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	--	929	3.32	929	3.32
ANR	0	--	0	--	0	--	27,980	1.93	27,980	1.93
Arkla Energy Resources Co	2	3.00	0	--	2	3.00	7,358	3.72	7,358	3.72
Bear Creek Storage	0	--	0	--	0	--	0	--	0	--
Colorado Interstate	63	2.62	0	--	63	2.63	8,321	2.36	8,384	2.36
Columbia Gas Transm	0	--	0	--	0	--	31,534	3.82	31,534	3.82
Columbia Gulf	0	--	1	4.00	1	4.00	0	--	1	4.00
Consolidated Gas	0	--	0	--	0	--	27,181	3.33	27,181	3.33
East Tennessee	778	3.25	4	4.50	782	3.26	5,508	3.46	6,290	3.44
El Paso	1,086	1.96	0	--	1,086	1.96	8,472	1.87	9,558	1.88
Equitrans	166	3.14	0	--	166	3.14	4,293	4.28	4,459	4.23
Florida Gas	806	3.40	0	--	806	3.40	1,520	4.60	2,326	4.18
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	37	3.11	5,003	4.50	5,040	4.49	2,528	3.14	7,568	4.04
Kern River Gas Trans.	0	--	0	--	0	--	0	--	0	--
Michigan Gas Storage	0	--	0	--	0	--	9	2.89	9	2.89
Midwestern	0	--	0	--	0	--	6,184	2.72	6,184	2.72
Mississippi River	127	3.74	0	--	127	3.74	10,276	2.87	10,403	2.88
Mojave Pipeline Co.	0	--	0	--	0	--	0	--	0	--
Mountain Fuel Res	0	--	0	--	0	--	4,581	3.20	4,581	3.20
National Fuel	0	--	0	--	0	--	18,583	3.12	18,583	3.12
Natural Gas Pipeline	2	1.50	0	--	2	1.50	30,423	3.66	30,425	3.66
Northern Border	0	--	0	--	0	--	0	--	0	--
Northern Natural	500	2.21	3	1.67	503	2.20	18,909	2.63	19,412	2.62
Northwest Alaskan	0	--	0	--	0	--	31,064	1.36	31,064	1.36
Northwest Pipeline	0	--	0	--	0	--	1,192	2.91	1,192	2.91
Overthrust Pipeline	0	--	0	--	0	--	0	--	0	--
Pacific Gas Transm	0	--	0	--	0	--	25,821	2.25	25,821	2.25
Pacific Interstate	0	--	0	--	0	--	7,163	2.63	7,163	2.63
Panhandle Eastern	29	2.93	56	2.29	85	2.51	7,429	4.28	7,514	4.26
Sabine Pipeline Co.	0	--	0	--	0	--	0	--	0	--
Sea Robin Pipeline	0	--	0	--	0	--	0	--	0	--
Southern Natural	12	3.25	0	--	12	3.25	15,339	3.94	15,351	3.94
Stingray Pipeline	0	--	0	--	0	--	0	--	0	--
Tenneco, Inc	2,002	1.66	0	--	2,002	1.66	20,449	3.40	22,451	3.25
Texas Eastern	0	--	0	--	0	--	5,391	3.48	5,391	3.48
Texas Gas Transm	0	--	0	--	0	--	11,699	3.49	11,699	3.49
Trailblazer Pipeline	0	--	0	--	0	--	0	--	0	--
Transcontinental	0	--	0	--	0	--	22,855	2.87	22,855	2.88
Transwestern Pipeline	0	--	2	2.00	2	2.00	225	1.55	227	1.55
Trunkline Gas Co	4	2.75	1	2.00	5	2.60	8,847	2.99	8,852	2.99
Trunkline LNG	0	--	0	--	0	--	0	--	0	--
U-T Offshore	0	--	0	--	0	--	0	--	0	--
United Gas Pipeline	73	3.42	0	--	73	4.40	6,098	2.95	6,171	2.96
Valero Interstate Transm	0	--	0	--	0	--	138	2.11	138	2.11
Viking Gas Company	0	--	0	--	0	--	0	--	0	--
Williams Natural	75	3.24	8	.50	83	2.98	9,802	3.59	9,885	3.58
Williston Basin	0	--	0	--	0	--	1,682	4.08	1,682	4.08
Wyoming Interstate	0	--	0	--	0	--	0	--	0	--
Total/Average Price^a	5,762	2.42	5,078	4.48	10,840	3.38	389,781	2.98	400,621	2.99
Sales to Other Major Companies	--	--	--	--	--	--	20,181	3.21	20,181	3.21
Sales Excluding Sales to Major Companies	--	--	--	--	--	--	369,600	2.96	380,440	2.98

^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	23,980	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	93,386	24,210	3,601,690	72,986	965,659	355,273	4,995,608
1991								
January	2,098,858	8,065	^a 1,588	372,884	7,194	79,076	40,958	500,112
February	1,839,900	6,242	^a 2,157	262,740	5,889	88,257	21,918	358,584
March	1,865,002	5,837	^a 2,120	222,064	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	1,723,896	5,534	2,202	174,738	4,808	61,258	14,887	255,501
June	1,579,146	5,353	2,121	160,553	4,294	52,828	22,143	239,816
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	1,691,806	5,998	1,880	169,800	5,586	60,109	14,206	249,703
October	1,856,527	5,473	^a 2,192	210,115	5,329	71,699	18,976	308,119
November	2,103,022	6,376	^a 1,708	261,011	11,226	73,042	33,149	378,428
December	2,135,449	6,798	^a 1,969	298,819	7,732	74,645	31,468	412,684
Total	22,031,321	73,065	^a 23,376	2,631,069	72,118	806,558	274,168	3,783,913
1992								
January	2,309,478	6,645	^a 1,848	251,382	8,000	64,855	38,726	362,865
February	2,159,190	6,079	^a 2,070	205,682	7,942	63,688	24,695	302,187
March	^a 2,183,665	6,156	^a 2,303	149,181	8,643	68,723	^a 19,804	^a 245,351
April	2,038,783	6,798	^a 2,218	150,925	5,838	59,849	21,772	238,384
May	1,979,257	6,989	2,304	170,377	5,935	67,619	19,859	263,790
June	1,888,212	5,243	2,076	155,643	4,803	56,782	20,169	237,397
July	1,897,286	3,675	1,989	156,145	5,106	65,557	23,342	250,150
August	1,888,726	6,146	2,045	166,766	5,429	84,829	18,715	275,739
September	1,807,555	6,249	2,006	175,857	5,268	74,589	^b 8,889	262,563
October	1,965,790	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	362,686
Total	^a 24,476,358	75,417	^a 25,896	2,239,116	82,776	829,134	^a 284,781	^a 3,435,807
1993								
January	2,334,905	6,430	2,335	203,273	5,475	78,801	7,912	293,461
February	2,163,229	6,047	2,102	180,616	5,238	70,472	9,394	245,720
March	2,214,880	6,310	2,460	171,111	5,563	71,018	11,065	258,757

^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.

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

Source: Form FERC-11.

**Table 12. Natural and Other Gases Produced and Purchased
by Major Interstate Natural Gas Pipeline Companies, March 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	27,437	0	0	0	0	0	562	562
ANR	130,567	0	1,312	4,552	0	1,877	0	6,429
Arkla Energy Resources Co	49,619	0	0	2,728	0	0	500	3,228
Bear Creek Storage	0	0	0	0	0	0	0	0
Colorado Interstate	47,247	4,878	0	3,858	4,878	0	0	8,736
Columbia Gas Transm	75,061	0	0	5,645	0	0	-77	5,568
Columbia Gulf	96,840	0	0	0	0	0	938	938
Consolidated Gas	57,970	1,128	0	4,696	5	0	2,212	6,913
East Tennessee	5,725	0	127	1,502	0	0	2,270	3,772
El Paso	118,626	0	0	7,273	0	0	836	8,109
Equitrans	3,805	0	0	5,601	0	0	1,662	7,263
Florida Gas	24,309	0	0	567	0	0	865	1,432
Great Lakes Gas	76,473	0	0	0	0	0	0	0
High Island Offshore	29,889	0	0	0	0	0	0	0
Iroquois Gas Transm. Sys.	20,603	0	0	0	0	0	0	0
K N Energy Inc	9,411	0	0	4,841	0	0	2,089	6,910
Kern River Gas Trans.	23,094	0	0	0	0	0	0	0
Michigan Gas Storage	30,734	0	0	0	0	0	0	0
Midwestern	8,807	0	0	1,858	0	0	3,648	5,506
Mississippi River	23,681	0	0	8,343	0	0	0	8,343
Mojave Pipeline Co.	6,381	0	0	0	0	0	0	0
Mountain Fuel Res	20,614	0	0	2,045	0	0	6	2,051
National Fuel	11,381	291	0	12,890	291	0	3,202	16,383
Natural Gas Pipeline	121,925	0	1,021	13,242	0	7,617	325	21,184
Northern Border	53,490	0	0	0	0	0	0	0
Northern Natural	168,888	0	0	9,064	0	0	10,935	19,999
Northwest Alaskan	0	0	0	0	0	31,064	0	31,064
Northwest Pipeline	52,962	0	0	20	0	963	0	983
Overthrust Pipeline	1,846	0	0	0	0	0	0	0
Pacific Gas Transm	16,400	0	0	0	0	25,625	0	25,625
Pacific Interstate	0	0	0	0	0	0	7,442	7,442
Panhandle Eastern	57,757	0	0	1,596	0	0	6	1,602
Sabine Pipeline Co.	15,882	0	0	0	0	0	0	0
Sea Robin Pipeline	25,549	0	0	0	0	0	0	0
Southern Natural	39,455	0	0	8,987	0	0	10	8,997
Stingray Pipeline	19,741	0	0	0	0	0	0	0
Tenneco, Inc	141,898	13	0	18,910	0	3,272	-84	22,098
Texas Eastern	91,007	1	0	-214	0	600	2,290	2,676
Texas Gas Transm	62,327	1	0	4,837	1	0	137	4,975
Trailblazer Pipeline	7,824	0	0	0	0	0	0	0
Transcontinental	206,571	0	0	24,305	0	0	1,672	25,977
Transwestern Pipeline	48,892	0	0	379	0	0	0	379
Trunkline Gas Co	42,899	0	0	8,192	0	0	0	8,192
Trunkline LNG	0	0	0	0	0	0	0	0
U-T Offshore	13,748	0	0	0	0	0	0	0
United Gas Pipeline	69,375	0	0	4,450	0	0	0	4,450
Valero Interstate Transm	4,648	0	0	0	0	0	138	138
Viking Gas Company	13,212	0	0	0	0	0	0	0
Williams Natural	29,078	0	0	10,495	0	0	3,177	13,672
Williston Basin	6,419	0	0	449	388	0	0	837
Wyoming Interstate	5,013	0	0	0	0	0	0	0
Total	2,214,880	6,310	2,460	171,111	5,563	71,018	44,741	292,433
Purchases from Other Major Companies	--	--	--	0	0	0	33,676	33,676
Purchases Excluding Purchases from Other Major Companies	--	--	--	171,111	5,563	71,018	11,065	258,757

* 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	659	-545
February	3,908	2,063	5,972	59	2.9	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	289	75	214
August	3,949	2,978	6,927	-93	-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	4,060	2,215	6,275	-147	-6.2	57	572	-515
February	4,056	1,843	5,898	-220	-10.7	53	436	-383
March	4,045	1,545	5,591	-367	-19.2	73	370	-297
April	4,037	1,572	5,609	-465	-22.8	159	140	19
May	4,043	1,847	5,899	-426	-18.8	321	50	271
June	4,049	2,151	6,200	-402	-15.7	358	40	318
July	4,063	2,458	6,521	-313	-11.3	352	52	299
August	4,060	2,759	6,820	-219	-7.3	358	62	296
September	4,055	3,046	7,101	-155	-4.8	336	52	285
October	4,063	3,220	7,283	-149	-4.4	262	80	182
November	4,059	3,052	7,111	-96	-3.1	94	267	-173
December	R 4,042	R 2,596	R 6,638	R -228	R -8.1	57	535	-478
Total	--	--	--	--	--	2,479	2,656	-177
1993								
January	4,044	2,041	6,085	-174	-7.9	45	600	-555
February	4,012	1,520	5,532	-323	-17.5	30	581	-550
March	3,991	1,235	5,226	-311	-20.1	81	385	-304
April	4,008	1,339	5,346	-233	-14.9	222	109	113

^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.

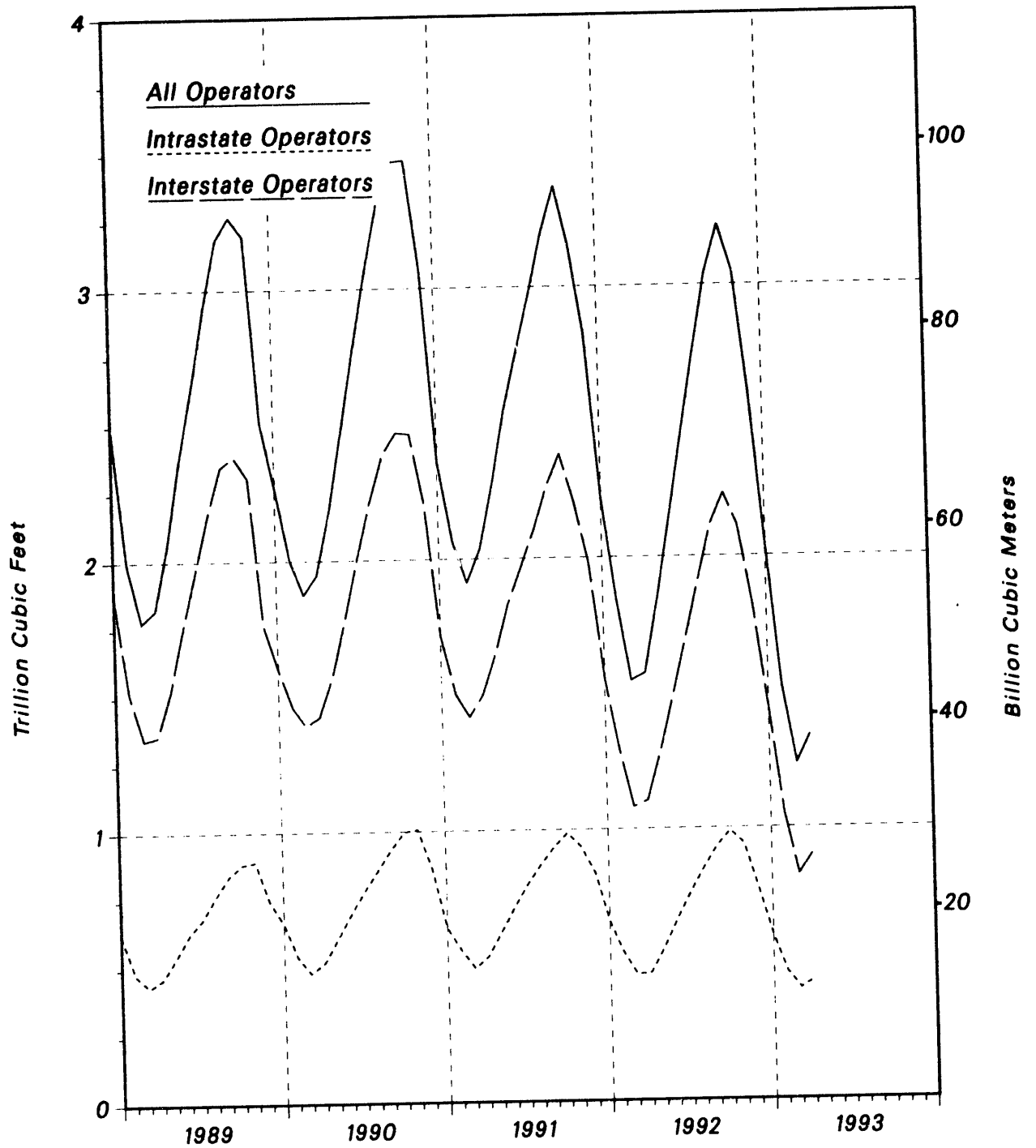
^R = Revised Data.

-- = Not Applicable.

Notes: Data for 1987 through 1991 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 ^a	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	1,784	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	481	-376
February	2,546	1,502	4,048	40	2.7	93	292	-199
March	2,535	1,418	3,952	26	1.9	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	47	171
June	2,575	1,834	4,409	51	2.9	213	35	178
July	2,576	1,970	4,546	-39	-1.9	192	62	130
August	2,577	2,105	4,682	-109	-4.9	186	65	121
September	2,571	2,265	4,836	-122	-5.1	211	64	147
October	2,571	2,392	4,953	-86	-3.5	181	83	98
November	2,572	2,210	4,782	-253	-10.3	117	274	-157
December	2,571	1,985	4,556	-218	-9.9	112	328	-216
Total	--	--	--	--	--	1,902	2,013	-111
1992								
January	2,675	1,556	4,231	-162	-9.5	49	385	-335
February	2,671	1,295	3,966	-207	-13.8	36	306	-270
March	2,661	1,081	3,743	-327	-23.7	56	269	-213
April	2,653	1,104	3,757	-396	-26.4	111	98	14
May	2,659	1,285	3,945	-362	-22.0	228	40	188
June	2,665	1,486	4,151	-348	-19.0	243	28	215
July	2,679	1,695	4,375	-275	-13.9	249	36	213
August	2,676	1,908	4,584	-197	-9.3	254	43	210
September	2,670	2,115	4,785	-150	-6.6	230	29	201
October	2,677	2,231	4,908	-151	-6.3	181	57	123
November	2,673	2,111	4,784	-99	-4.5	72	197	-124
December	^R 2,652	^R 1,819	^R 4,471	^R -166	^R -8.4	46	359	-313
Total	--	--	--	--	--	1,754	1,847	-93
1993								
January	2,654	1,438	4,092	-117	-7.5	38	416	-378
February	2,632	1,050	3,683	-245	-18.9	20	428	-408
March	2,615	827	3,442	-254	-23.5	50	285	-236
April	2,631	900	3,531	-203	-18.4	149	76	73

^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.

^R = Revised Data.

-- = Not Applicable.

Notes: Data for 1987 through 1991 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-177.

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	3.9	19	105	-86
March	1,360	494	1,854	13	2.7	20	91	-71
April	1,361	537	1,898	16	3.1	63	22	41
May	1,362	626	1,988	16	2.6	101	11	90
June	1,364	719	2,083	18	2.6	101	7	94
July	1,366	802	2,168	21	2.7	97	13	84
August	1,372	873	2,245	17	2.0	96	17	79
September	1,379	936	2,315	3	.3	83	14	69
October	1,390	987	2,377	-11	-1.1	70	20	50
November	1,380	937	2,317	-70	-7.0	33	78	-45
December	1,383	839	2,221	-25	-2.9	13	120	-107
Total	--	--	--	--	--	706	675	30
1992								
January	1,384	660	2,044	16	2.5	8	187	-180
February	1,385	547	1,932	-15	-2.6	16	129	-113
March	1,384	464	1,848	-30	-6.1	18	101	-83
April	1,383	469	1,852	-68	-12.7	48	43	5
May	1,384	561	1,945	-65	-10.4	93	11	82
June	1,384	665	2,049	-54	-7.5	115	12	103
July	1,384	763	2,146	-39	-4.9	103	16	87
August	1,385	851	2,236	-22	-2.5	104	19	85
September	1,385	931	2,316	-5	-0.5	106	23	84
October	1,386	989	2,375	2	.2	81	23	58
November	1,386	941	2,327	4	.4	22	70	-48
December	1,391	776	2,167	-63	-7.5	11	176	-165
Total	--	--	--	--	--	725	809	-85
1993								
January	1,390	603	1,993	-57	-8.6	7	184	-177
February	1,380	469	1,849	-78	-14.3	10	152	-142
March	1,376	407	1,784	-57	-12.2	31	100	-68
April	1,377	438	1,815	-30	-6.5	72	33	40

^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 1991 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	April 1993	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992
Arkansas	121	478	872	633	514	624	366
California	-15,646	-6,478	17,346	37,972	38,779	57,233	9,582
Colorado	3,335	2,411	4,759	3,144	5,279	2,741	3,104
Illinois	-2,905	25,016	49,397	59,625	12,534	45,607	18,594
Indiana	-400	2,558	5,026	5,572	896	3,615	2,362
Iowa	-5,491	2,850	10,799	18,971	3,951	20,511	9,164
Kansas	-3,339	4,897	15,602	18,299	20,573	12,865	8,734
Kentucky	726	9,515	10,958	5,114	-6,415	3,011	1,522
Louisiana	-2,542	23,512	43,798	47,855	19,089	35,137	5,227
Maryland	456	1,859	4,290	3,272	-2,727	2,082	-670
Michigan	-21,799	66,220	103,067	97,623	12,554	88,834	49,082
Minnesota	49	418	418	396	30	203	8
Mississippi	-2,489	6,098	8,450	5,963	-7,884	6,581	639
Missouri	-1,551	1,085	1,811	1,091	13	7	8
Montana	1,710	2,759	4,420	5,100	12,534	5,601	3,347
Nebraska	-975	1,010	2,009	3,344	-536	3,428	2,445
New Mexico	2,927	792	4,164	2,613	2,478	-412	1,038
New York	-4,109	10,080	16,122	13,106	-1,972	11,193	3,034
Ohio	-3,399	38,442	45,095	38,465	15,432	30,849	5,183
Oklahoma	-12,860	8,856	21,531	23,966	12,068	30,668	17,279
Oregon	426	728	1,397	1,918	872	579	1,100
Pennsylvania	-18,784	56,156	100,956	71,301	-9,570	50,184	-2,787
Texas	-20,217	12,415	24,323	45,306	42,041	36,120	20,304
Utah	1,015	3,702	5,057	5,873	-11,131	6,778	5,472
Washington	-1,002	-1,231	3,347	3,439	5,667		947
West Virginia	-5,511	29,813	43,205	31,863	-3,172	17,129	6,001
Wyoming	-500	371	2,018	3,361	8,525	3,532	1,787
Total	-112,757	303,930	550,237	555,187	177,201	478,478	172,854

See footnotes at end of table.

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

States	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992
Arkansas	196	-434	-664	-852	-509	16	159
California	-7,822	-16,810	-10,523	-14,805	-23,594	-14,898	-14,858
Colorado	-2,126	-5,910	-6,253	-4,128	-1,979	366	4,153
Illinois	-27,250	-34,867	-38,324	-30,630	-31,957	-33,582	7,747
Indiana	-2,945	-5,211	-4,113	-5,143	-2,554	-1,197	508
Iowa	-9,101	-10,668	-10,871	-11,369	-8,213	-8,918	-2,557
Kansas	-2,954	-10,137	-11,636	-4,315	-2,503	-2,263	5,009
Kentucky	-10,706	-4,208	-1,618	-3,551	-1,552	1,230	1,684
Louisiana	-21,407	-17,253	-14,268	-14,985	-19,697	-21,100	-332
Maryland	-1,203	-2,046	-2,387	-1,817		-3,281	992
Michigan	-28,398	-68,572	-68,347	-74,813	-68,179	-45,023	287
Minnesota	4	-126	-179	-298	-306	-390	209
Mississippi	-1,266	-6,351	-580	-4,621	-8,393	-4,244	-415
Missouri	-191	-208	-218	-266	-146	-427	-1,570
Montana	1,357	280	-766	-1,026	-714	-1,517	-131
Nebraska	309	-1,175	-1,195	-2,096	-2,627	-1,620	-609
New Mexico	-2,550	-1,169	-1,945	2,099	-541	95	2,396
New York	-3,663	-6,893	-10,102	-11,167	-9,525	-10,121	-2,778
Ohio	-11,241	-15,372	-22,490	-28,068	-29,257	-25,866	-2,247
Oklahoma	-7,563	-12,628	-3,748	-17,423	-11,028	-7,929	-5,550
Oregon	-173	-453	-1,010	-1,194	-1,540	-1,572	443
Pennsylvania	-25,705	-42,447	-43,351	-36,750	-51,775	-40,168	-5,385
Texas	-4,792	-3,151	-15,964	-7,532	-12,751	-18,774	-3,333
Utah	-1,274	-3,120	-4,672	-3,519	-2,767	-3,507	-1,837
Washington	760	-1,196	-1,458	-1,024	-1,175	-1,351	877
West Virginia	-13,026	-13,599	-18,825	-19,009	-21,165	-24,447	-1,697
Wyoming	1,046	-865	-122	-1,185	-611	-365	76
Total	-181,684	-284,588	-295,632	-299,488	-317,735	-270,853	-18,760

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 1992	February 1992	January 1992	Total 1991	December 1991	November 1991	October 1991
Arkansas	443	519	652	1,966	664	629	0
California	15,757	16,847	42,671	-12,276	24,681	6,113	879
Colorado	6,683	2,777	5,850	-7,370	598	-1,468	-1,759
Illinois	26,551	47,569	63,076	978	34,113	17,558	-26,390
Indiana	4,126	4,627	6,820	926	4,626	-802	-4,105
Iowa	3,539	12,653	19,780	5,207	13,739	4,997	-10,757
Kansas	9,422	13,125	5,226	-10,822	-2,317	8,913	-10,235
Kentucky	4,884	1,255	1,634	1,397	2,686	6,590	460
Louisiana	13,228	28,814	45,726	24,989	30,577	12,743	-23,315
Maryland	1,229	3,535	3,535	-1,852	1,070	-334	-800
Michigan	65,658	75,640	86,407	39,200	74,384	56,578	-32,872
Minnesota	328	129	449	-267	53	77	32
Mississippi	1,397	276	9,093	5,884	6,130	7,864	-3,107
Missouri	330	1,198	1,497	-1,117	12	-199	-219
Montana	484	2,207	3,412	9,737	3,548	2,875	1,379
Nebraska	42	1,032	1,529	-229	2,362	402	154
New Mexico	735	711	2,020	-3,694	-1,002	147	9
New York	12,207	14,323	11,520	-11,619	7,125	3,662	-5,237
Ohio	35,661	34,823	43,476	-431	27,910	12,644	-9,113
Oklahoma	3,439	8,621	17,930	12,139	11,502	26,655	-4,702
Oregon	1,586	1,540	1,568	-566	487	-23	-339
Pennsylvania	53,322	64,308	70,963	11,335	37,591	10,030	-13,835
Texas	5,213	14,001	32,700	-6,398	9,801	8,300	-856
Utah	-240	422	3,912	9,976	7,418	5,792	-560
Washington	581	2,979	1,930	-3,200	458	-1,040	1,040
West Virginia	29,154	26,933	29,380	16,888	22,834	11,077	-3,606
Wyoming	868	2,041	2,323	-426	1,941	1,809	-54
Total	296,626	382,906	515,077	80,355	322,991	201,590	-147,908

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 1991	August 1991	July 1991	June 1991	May 1991	April 1991
Arkansas	0	-14	-487	-339	-131	195
California	1,455	-3,416	-13,136	-23,367	-25,622	-19,948
Colorado	-5,275	-4,430	-4,200	-3,831	-1,317	3,331
Illinois	-32,897	-34,057	-28,745	-29,798	-30,660	-2,559
Indiana	-4,467	-3,797	-2,813	-1,016	-1,770	598
Iowa	-10,675	-6,433	-5,100	-8,983	-3,536	-1,298
Kansas	-10,203	-6,977	-2,559	-7,261	-6,552	1,973
Kentucky	-3,437	-3,162	-5,327	-3,297	-2,358	-3,809
Louisiana	-18,632	-6,029	-11,877	-22,117	-19,263	-7,292
Maryland	-2,084	-2,061	-1,392	-1,590	-1,520	-903
Michigan	-27,703	-46,233	-58,225	-57,062	-47,963	-25,279
Minnesota	-93	4	-291	-312	-257	-160
Mississippi	-5,101	-2,102	-2,054	-3,178	-4,093	-6,146
Missouri	-212	-302	-295	-89	-683	-2,136
Montana	-120	-1,438	-1,711	-1,235	-1,225	79
Nebraska	-901	167	253	-2,128	-2,906	-1,133
New Mexico	-2,642	1,960	-1,031	-2,998	-2,909	-3,037
New York	-8,681	-8,498	-9,006	-7,492	-6,425	-3,535
Ohio	-16,055	-17,817	-16,173	-20,435	-23,939	-9,676
Oklahoma	-10,249	-4,757	-1,095	-10,455	-15,187	-14,900
Oregon	-674	-1,092	-1,458	-1,554	-713	978
Pennsylvania	-34,526	-29,625	-19,127	-24,209	-32,592	-2,751
Texas	-10,004	-4,559	-2,660	-12,883	-8,977	-13,421
Utah	-3,940	-3,813	-6,010	-5,548	-2,405	-850
Washington	5	60	-2,138	-2,716	-1,522	-2,833
West Virginia	-8,516	-9,816	-15,495	-16,310	-15,360	-9,715
Wyoming	-761	-1,628	-2,068	-1,849	-802	-115
Total	-216,387	-199,864	-214,221	-272,052	-260,688	-124,345

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 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, April 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	18,472	5,204	23,676	-297	-5.4	0	121
California	472,109	246,345	109,952	356,297	2,677	2.5	21,447	5,801
Colorado	105,790	45,210	17,674	62,884	-520	-2.9	293	3,628
Illinois	949,982	580,830	132,153	712,983	-504	-4	15,216	12,310
Indiana	106,177	70,987	17,142	88,129	2,802	19.5	1,601	1,201
Iowa	279,700	154,574	56,294	210,868	2,351	4.4	6,431	940
Kansas	291,058	186,320	27,752	214,072	-21,246	-43.4	10,514	7,175
Kentucky	210,242	105,446	66,019	171,465	-10,508	-13.7	2,622	3,347
Louisiana	539,200	256,547	48,064	304,611	-37,803	-44.0	14,504	11,962
Maryland	62,400	46,677	3,068	49,746	1,986	183.4	603	1,059
Michigan	1,043,782	412,331	151,846	564,177	-27,460	-15.3	32,545	10,746
Minnesota	7,000	4,655	823	5,478	-196	-19.2	0	49
Mississippi	114,627	48,049	35,256	83,305	-2,259	-6.0	4,595	2,106
Missouri	30,564	21,600	6,501	28,101	-996	-13.3	1,558	7
Montana	375,010	169,892	87,930	257,822	-21,219	-19.4	768	2,478
Nebraska	93,312	27,312	49,069	76,380	-3,068	-5.9	1,117	142
New Mexico	94,600	30,426	5,490	35,916	-6,433	-54.0	1	2,928
New York	167,835	102,234	20,905	123,139	-5,866	-21.9	6,831	2,723
Ohio	591,494	353,688	16,835	370,523	-21,748	-56.4	9,791	6,392
Oklahoma	359,616	175,290	83,232	258,523	-26,458	-24.1	16,188	3,327
Oregon	11,445	3,291	2,007	5,298	-204	-9.2	0	426
Pennsylvania	664,855	354,164	89,931	444,095	-13,729	-13.2	31,000	12,216
Texas	598,783	161,923	234,152	396,075	-33,630	-12.6	29,484	9,267
Utah	114,980	50,238	1,791	52,029	-9,206	-83.7	173	1,188
Washington	34,100	18,800	4,961	23,761	-3,367	-40.4	1,438	436
West Virginia	519,286	303,053	46,377	349,430	12,652	37.5	11,149	5,638
Wyoming	105,669	59,382	18,217	77,599	-9,244	-33.7	1,821	1,321
Total	7,974,893	4,007,736	1,338,648	5,346,384	-233,492	-14.9	221,690	108,934

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, 1991-1993

(Million Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	March 1993	February 1993	January 1993
Alabama	24,921	23,559	22,350	8,684	8,158	8,080
Alaska	5,688	5,475	5,256	1,471	2,138	2,079
Arizona	13,662	16,545	14,870	4,066	4,108	5,488
Arkansas	21,982	18,215	20,470	6,730	7,118	8,133
California	204,139	186,243	195,469	50,586	66,004	87,549
Colorado	49,302	42,102	44,702	14,948	15,899	18,455
Connecticut	20,108	18,936	17,076	6,171	7,302	6,635
Delaware	4,166	3,878	3,545	1,483	1,382	1,301
District of Columbia	8,373	7,714	7,322	2,838	2,795	2,740
Florida	5,442	6,096	4,974	1,917	1,863	1,662
Georgia	51,603	46,470	42,697	15,548	18,066	17,990
Hawaii	154	149	149	52	51	51
Idaho	5,906	4,125	4,674	1,699	1,951	2,256
Illinois	228,314	202,595	209,631	67,962	74,490	85,861
Indiana	77,521	67,278	70,058	23,916	25,844	27,761
Iowa	39,882	32,635	37,221	11,613	13,087	15,181
Kansas	42,188	31,079	38,008	12,859	13,524	15,804
Kentucky	31,526	28,166	28,441	9,241	11,198	11,087
Louisiana	24,951	24,746	25,302	7,945	8,415	8,590
Maine	412	386	305	115	153	144
Maryland	36,736	33,775	31,169	12,215	12,765	11,756
Massachusetts	55,356	53,855	47,606	18,299	18,816	18,241
Michigan	169,763	156,624	154,949	54,009	56,815	58,939
Minnesota	57,318	48,919	53,246	16,334	18,653	22,331
Mississippi	13,149	12,160	12,366	4,360	4,352	4,437
Missouri	68,665	52,898	62,711	21,536	21,888	25,241
Montana	8,712	6,383	7,759	2,591	2,490	3,631
Nebraska	22,735	17,642	21,263	7,316	6,276	9,143
Nevada	9,763	8,454	8,547	2,715	3,157	3,892
New Hampshire	3,138	2,990	2,647	1,009	1,081	1,048
New Jersey	96,832	89,251	82,327	31,606	34,599	30,626
New Mexico	15,057	14,886	14,080	4,021	4,731	6,306
New York	179,106	170,577	154,775	60,311	59,675	59,119
North Carolina	24,516	20,280	19,421	8,015	8,131	8,370
North Dakota	5,044	4,084	4,801	1,462	1,522	2,059
Ohio	166,491	153,940	152,146	52,407	58,420	55,663
Oklahoma	39,240	30,237	35,279	12,158	12,487	14,596
Oregon	14,205	11,042	11,938	3,844	4,570	5,790
Pennsylvania	127,915	121,971	113,512	42,213	43,867	41,835
Rhode Island	9,708	8,962	7,950	3,291	3,326	3,091
South Carolina	12,651	10,905	10,378	4,206	4,229	4,216
South Dakota	5,753	4,373	5,062	1,678	1,784	2,291
Tennessee	28,653	25,094	25,693	9,586	9,019	10,049
Texas	104,595	93,556	101,576	27,551	35,187	41,856
Utah	23,552	20,425	22,573	6,589	8,044	8,918
Vermont	1,291	1,224	1,045	433	446	412
Virginia	32,627	29,053	25,958	10,370	11,517	10,741
Washington	24,196	17,897	20,323	6,815	7,491	9,891
West Virginia	16,771	16,266	15,932	5,718	5,877	5,176
Wisconsin	59,575	53,267	56,331	18,077	18,478	23,020
Wyoming	5,163	4,730	5,246	1,526	1,659	1,978
Total	2,298,515	2,061,908	2,081,129	702,104	764,898	831,513

See footnote at end of table.

**Table 18. Natural Gas Deliveries to Residential Consumers by State, 1991-1993
(Continued)
(Million Cubic Feet)**

State	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992
Alabama	49,512	7,211	3,406	1,730	1,374	1,312
Alaska	14,350	1,682	1,442	1,209	643	438
Arizona	34,237	5,536	1,943	1,233	1,073	1,005
Arkansas	39,500	6,254	3,116	1,503	1,090	1,118
California	479,385	75,241	37,280	24,428	21,963	22,034
Colorado	94,482	15,673	7,588	3,538	2,637	2,432
Connecticut	42,201	5,828	3,859	2,261	1,150	990
Delaware	8,192	1,044	628	307	183	179
District of Columbia	16,651	2,222	1,319	645	448	422
Florida	14,519	1,781	965	691	641	632
Georgia	108,067	18,511	12,902	5,271	3,203	2,974
Hawaii	552	50	42	42	43	42
Idaho	9,601	1,934	1,018	425	272	182
Illinois	475,597	77,663	54,979	28,760	13,769	11,177
Indiana	153,048	24,299	15,978	8,374	3,966	3,317
Iowa	75,190	12,881	8,385	3,740	1,893	1,674
Kansas	70,552	12,565	6,013	2,386	1,772	1,714
Kentucky	61,827	10,567	6,975	3,360	1,406	1,411
Louisiana	54,990	8,328	4,187	2,217	1,981	1,938
Maine	866	110	69	40	17	22
Maryland	75,120	10,558	6,850	4,035	2,025	2,067
Massachusetts	120,079	14,459	10,082	5,354	3,378	3,214
Michigan	358,339	50,233	34,183	20,799	9,410	8,632
Minnesota	113,811	18,582	12,884	6,463	3,027	2,530
Mississippi	26,502	4,237	1,930	972	838	801
Missouri	118,212	20,455	11,056	4,522	3,064	2,780
Montana	16,814	3,091	1,807	1,115	733	424
Nebraska	41,702	7,135	4,593	2,044	1,104	990
Nevada	18,590	3,302	1,260	747	624	543
New Hampshire	6,449	750	526	288	151	139
New Jersey	198,943	27,619	17,997	10,393	5,351	4,930
New Mexico	30,813	5,091	1,953	1,012	871	835
New York	379,196	50,193	30,756	18,634	10,011	9,652
North Carolina	43,172	6,922	3,510	1,818	821	769
North Dakota	9,689	1,472	990	457	285	214
Ohio	341,461	49,672	34,264	20,980	8,131	7,255
Oklahoma	66,042	11,585	4,741	2,245	1,782	1,719
Oregon	24,921	4,331	2,186	1,115	710	577
Pennsylvania	266,396	36,580	24,788	15,842	6,945	5,898
Rhode Island	20,118	2,403	1,739	891	534	423
South Carolina	22,354	3,777	1,747	790	408	385
South Dakota	10,881	1,812	1,278	607	318	258
Tennessee	52,189	9,078	4,450	1,876	1,094	1,046
Texas	215,353	35,840	20,598	8,586	7,645	7,492
Utah	44,704	7,957	3,844	1,802	1,321	1,255
Vermont	2,520	308	205	129	53	49
Virginia	62,837	9,458	5,589	3,329	1,477	1,416
Washington	42,869	7,897	4,219	2,227	1,306	954
West Virginia	33,960	3,963	2,974	1,811	781	630
Wisconsin	124,024	19,175	13,299	7,668	3,245	2,675
Wyoming	11,351	1,798	1,130	582	380	293
Total	4,702,729	719,116	439,520	241,292	137,351	125,860

See footnote at end of table.

Table 18. Natural Gas Deliveries to Residential Consumers by State, 1991-1993
(Continued)
(Million Cubic Feet)

State	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	1,413	1,774	2,717	5,017	5,495	9,278
Alaska	474	628	1,012	1,346	1,764	1,933
Arizona	1,168	1,395	1,487	2,851	4,441	5,203
Arkansas	1,188	1,363	1,845	3,808	4,367	6,689
California	22,390	24,094	28,414	37,300	46,844	61,552
Colorado	2,802	3,952	4,992	8,766	11,584	14,362
Connecticut	1,120	1,387	2,406	4,264	5,751	6,541
Delaware	196	301	528	947	1,158	1,417
District of Columbia	471	632	952	1,827	2,180	2,840
Florida	679	739	943	1,351	1,507	2,364
Georgia	3,162	3,527	4,706	7,341	12,856	14,495
Hawaii	45	46	47	46	48	50
Idaho	232	245	442	725	941	1,353
Illinois	10,399	12,972	22,505	40,778	59,216	63,042
Indiana	3,489	4,634	7,596	14,115	19,106	22,054
Iowa	1,552	2,195	3,349	6,886	8,517	11,686
Kansas	1,903	2,570	3,733	6,816	7,836	10,775
Kentucky	1,322	1,829	2,619	4,171	7,916	8,487
Louisiana	2,034	2,256	2,789	4,513	5,759	9,119
Maine	24	36	66	95	121	138
Maryland	2,151	2,575	4,004	7,081	9,770	11,573
Massachusetts	3,463	4,671	8,335	13,267	17,088	19,118
Michigan	8,750	11,895	21,488	36,323	47,750	52,520
Minnesota	2,708	3,137	5,147	10,413	14,039	15,944
Mississippi	872	957	1,279	2,457	2,862	4,579
Missouri	2,996	3,819	5,830	10,991	13,482	18,343
Montana	489	546	844	1,383	1,634	2,199
Nebraska	1,054	1,321	2,034	3,787	4,739	5,998
Nevada	690	714	825	1,432	2,151	2,862
New Hampshire	159	219	461	766	869	1,089
New Jersey	5,251	6,181	11,709	20,261	26,945	31,081
New Mexico	911	1,099	1,484	2,669	3,766	5,270
New York	10,514	13,473	23,835	41,551	53,494	59,004
North Carolina	879	1,352	2,270	4,552	5,238	7,419
North Dakota	260	311	613	1,002	1,128	1,455
Ohio	8,118	10,362	17,318	31,421	45,895	50,377
Oklahoma	1,956	2,559	3,232	5,985	7,325	10,699
Oregon	669	847	1,369	2,074	2,717	3,535
Pennsylvania	6,130	8,041	13,978	26,222	36,116	41,778
Rhode Island	636	771	1,461	2,298	2,802	3,128
South Carolina	423	596	1,032	2,291	2,645	4,064
South Dakota	267	324	643	1,004	1,212	1,509
Tennessee	1,114	1,430	2,175	4,834	6,026	8,803
Texas	8,013	8,678	10,289	14,656	21,275	32,042
Utah	1,406	1,524	1,986	3,184	4,870	7,133
Vermont	53	72	145	284	367	426
Virginia	1,505	1,800	3,290	5,922	8,005	10,172
Washington	907	1,377	2,366	3,721	4,699	5,942
West Virginia	652	1,054	1,980	3,850	4,430	5,941
Wisconsin	2,617	3,700	6,405	11,974	15,819	17,407
Wyoming	341	455	647	996	1,201	1,564
Total	132,018	162,434	251,618	431,614	577,765	696,171

See footnote at end of table.

Table 18. Natural Gas Deliveries to Residential Consumers by State, 1991-1993
(Continued)
(Million Cubic Feet)

State	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991
Alabama	8,786	48,149	6,396	3,886	1,793	1,389
Alaska	1,777	13,562	1,691	1,356	926	600
Arizona	6,901	31,353	4,664	1,895	1,077	900
Arkansas	7,158	40,639	5,481	3,895	1,524	1,170
California	77,846	508,697	67,035	39,238	26,211	23,383
Colorado	16,155	97,440	14,007	8,076	3,541	2,367
Connecticut	6,644	37,181	5,209	3,433	1,943	1,086
Delaware	1,303	7,189	892	547	261	175
District of Columbia	2,694	15,286	2,001	1,220	587	463
Florida	2,225	12,906	1,677	1,130	659	646
Georgia	19,119	96,662	15,812	12,479	4,829	2,893
Hawaii	51	545	46	44	42	44
Idaho	1,832	10,223	1,559	1,088	314	217
Illinois	80,337	466,970	71,109	61,099	27,231	16,099
Indiana	26,119	146,446	22,617	16,912	7,584	3,906
Iowa	12,432	78,801	12,377	8,906	4,082	1,757
Kansas	12,468	74,825	11,008	7,289	2,494	1,689
Kentucky	11,763	59,465	9,682	7,676	3,120	1,487
Louisiana	9,868	54,593	7,567	5,200	2,267	1,974
Maine	127	722	102	56	36	26
Maryland	12,431	69,235	9,961	6,625	3,691	2,161
Massachusetts	17,648	102,955	12,854	8,070	4,492	3,036
Michigan	56,354	337,205	49,160	33,409	18,491	9,297
Minnesota	18,935	117,148	18,529	14,101	6,654	3,236
Mississippi	4,719	25,756	3,625	2,357	1,024	824
Missouri	20,873	120,680	17,407	12,195	4,433	2,764
Montana	2,550	18,413	2,626	2,218	977	559
Nebraska	6,905	44,671	6,573	5,196	2,062	1,085
Nevada	3,621	19,135	2,941	1,315	680	547
New Hampshire	1,032	5,609	690	453	249	156
New Jersey	31,226	176,640	24,735	16,235	8,750	5,168
New Mexico	5,851	29,767	4,398	1,926	1,052	811
New York	58,079	338,892	46,288	29,610	16,338	9,542
North Carolina	7,623	37,976	5,647	3,751	1,486	782
North Dakota	1,500	10,338	1,489	1,187	441	224
Ohio	57,669	321,724	48,007	35,764	17,321	7,805
Oklahoma	12,213	69,200	10,069	6,915	2,327	1,741
Oregon	4,790	26,324	3,554	2,106	710	582
Pennsylvania	44,077	242,728	34,139	23,637	13,403	6,792
Rhode Island	3,031	17,366	2,186	1,436	870	491
South Carolina	4,196	19,612	3,122	1,969	645	390
South Dakota	1,652	11,218	1,595	1,434	609	286
Tennessee	10,264	49,358	7,616	5,085	1,898	1,069
Texas	40,239	222,200	32,840	23,812	10,188	7,768
Utah	8,422	50,572	7,841	4,293	1,802	1,347
Vermont	431	2,203	314	187	110	49
Virginia	10,876	54,199	7,782	5,473	2,516	1,418
Washington	7,256	46,222	6,336	4,403	1,716	1,105
West Virginia	5,895	32,558	4,718	3,207	1,736	764
Wisconsin	20,041	124,081	18,803	14,481	7,348	3,648
Wyoming	1,966	11,992	1,665	1,179	568	274
Total	787,972	4,555,631	658,445	459,452	225,106	137,994

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 19. Natural Gas Deliveries to Commercial Consumers by State, 1991-1993

(Million Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	March 1993	February 1993	January 1993
Alabama	10,804	10,176	9,672	3,586	3,536	3,483
Alaska	7,013	7,104	7,116	2,052	2,472	2,488
Arizona	9,038	9,935	9,755	2,958	2,821	3,257
Arkansas	12,862	10,762	11,925	3,984	4,159	4,739
California	86,575	86,672	81,834	23,433	33,803	29,338
Colorado	31,861	27,847	30,027	9,531	10,235	11,894
Connecticut	13,592	12,614	11,880	4,286	4,816	4,490
Delaware	2,392	2,200	1,910	850	810	732
District of Columbia	6,866	6,715	6,642	2,144	2,414	2,328
Florida	12,197	12,499	11,429	4,019	4,009	4,169
Georgia	23,099	20,721	20,367	7,674	7,849	7,578
Hawaii	554	545	538	179	190	185
Idaho	4,803	3,560	4,395	1,302	1,684	1,817
Illinois	89,619	79,355	84,474	27,391	29,395	32,833
Indiana	35,791	30,532	32,327	10,961	11,915	12,915
Iowa	23,102	18,777	21,451	6,728	7,735	8,639
Kansas	23,881	16,454	23,341	7,151	7,669	9,061
Kentucky	16,514	14,861	15,057	5,183	5,596	5,734
Louisiana	9,635	9,587	9,911	3,105	3,237	3,293
Maine	1,011	945	783	291	364	356
Maryland	18,913	17,816	15,588	6,180	6,512	6,220
Massachusetts	25,324	24,230	22,145	8,544	8,627	8,152
Michigan	80,149	74,140	75,277	25,301	27,087	27,761
Minnesota	38,632	34,133	37,101	11,289	12,781	14,562
Mississippi	8,413	7,315	7,253	2,675	2,944	2,794
Missouri	31,489	25,869	30,180	9,879	10,244	11,366
Montana	5,946	4,308	5,311	1,751	1,715	2,480
Nebraska	14,287	11,287	12,945	4,508	3,976	5,802
Nevada	6,421	5,977	6,028	2,023	2,118	2,280
New Hampshire	2,879	2,605	2,264	912	974	994
New Jersey	57,008	53,372	49,220	19,219	20,061	17,728
New Mexico	10,559	9,680	10,685	2,834	3,459	4,266
New York	86,699	87,473	77,599	28,599	29,381	28,719
North Carolina	15,578	13,864	13,585	5,012	5,196	5,370
North Dakota	4,729	3,952	4,565	1,340	1,478	1,912
Ohio	77,009	70,647	70,956	25,384	26,552	25,073
Oklahoma	19,069	15,020	18,986	5,889	6,128	7,052
Oregon	10,389	8,496	9,244	2,877	3,367	4,144
Pennsylvania	59,494	57,443	55,329	19,653	20,667	19,175
Rhode Island	3,825	3,347	2,934	1,327	1,358	1,139
South Carolina	6,438	6,113	6,021	2,141	2,098	2,199
South Dakota	4,695	3,553	4,043	1,346	1,499	1,850
Tennessee	22,187	19,354	20,661	7,318	7,548	7,321
Texas	64,655	52,403	62,104	18,810	21,203	24,643
Utah	9,540	8,146	9,448	2,695	3,308	3,537
Vermont	1,065	1,040	905	350	368	347
Virginia	21,630	18,964	17,892	7,012	7,475	7,144
Washington	18,065	14,328	16,181	5,209	5,727	7,129
West Virginia	9,419	8,958	8,551	3,218	3,272	2,929
Wisconsin	35,898	30,869	31,995	10,773	12,112	13,012
Wyoming	3,729	3,505	3,886	1,104	1,199	1,425
Total	1,194,977	1,080,166	1,103,397	371,982	405,142	417,854

See footnote at end of table.

Table 19. Natural Gas Deliveries to Commercial Consumers by State, 1991-1993
(Continued)
(Million Cubic Feet)

State	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992
Alabama	24,951	3,263	1,967	1,311	1,126	1,069
Alaska	21,299	2,390	1,928	1,790	1,252	1,013
Arizona	^R 28,625	3,414	2,023	1,754	1,797	1,691
Arkansas	25,346	3,667	2,064	1,212	1,024	1,019
California	285,804	28,780	21,029	19,149	19,282	21,738
Colorado	66,308	10,285	5,581	3,074	2,307	2,179
Connecticut	29,547	3,826	2,592	1,545	1,064	1,051
Delaware	4,999	626	398	242	164	153
District of Columbia	16,165	1,929	1,107	755	656	676
Florida	41,895	4,125	3,522	3,078	2,812	2,844
Georgia	53,708	7,594	4,627	3,199	2,461	2,502
Hawaii	2,144	184	178	168	178	173
Idaho	8,971	1,564	893	467	371	332
Illinois	194,517	31,166	22,460	12,247	6,553	5,963
Indiana	72,552	12,067	8,128	4,249	2,115	1,953
Iowa	46,046	7,817	5,837	2,645	1,434	1,258
Kansas	51,966	7,235	4,699	3,049	3,016	3,332
Kentucky	35,485	5,494	4,070	2,230	1,217	1,166
Louisiana	25,536	3,141	1,923	1,463	1,390	1,289
Maine	2,184	282	186	115	67	51
Maryland	42,494	5,561	3,892	2,490	1,615	1,586
Massachusetts	60,720	6,779	5,288	3,552	2,583	2,717
Michigan	173,448	24,021	16,208	9,743	5,452	4,980
Minnesota	81,208	11,722	9,509	5,073	2,633	2,303
Mississippi	18,328	2,534	1,462	947	883	880
Missouri	59,573	9,195	5,131	2,615	1,918	1,893
Montana	11,606	2,103	1,276	813	525	332
Nebraska	34,824	4,953	4,000	2,535	1,735	2,402
Nevada	16,226	2,172	1,031	990	879	831
New Hampshire	5,866	715	515	295	174	169
New Jersey	131,106	16,440	10,997	7,117	5,413	4,935
New Mexico	27,073	4,137	2,276	1,675	1,532	1,490
New York	219,655	26,740	16,889	12,967	9,695	9,577
North Carolina	35,303	4,760	2,885	2,051	1,635	1,546
North Dakota	9,756	1,549	1,015	576	363	262
Ohio	158,637	23,534	14,908	8,967	4,315	4,162
Oklahoma	34,894	5,597	2,603	1,452	1,245	1,292
Oregon	21,444	3,157	1,842	1,232	962	872
Pennsylvania	131,483	18,000	12,471	8,233	4,450	4,013
Rhode Island	8,479	949	546	345	398	475
South Carolina	16,480	2,063	1,328	994	869	877
South Dakota	9,183	1,476	1,104	558	325	284
Tennessee	45,472	5,658	3,950	2,361	1,954	1,704
Texas	168,754	20,338	16,093	10,359	10,101	12,207
Utah	16,581	3,120	1,329	545	405	372
Vermont	2,319	269	211	144	77	75
Virginia	49,019	6,664	4,585	3,167	1,860	2,001
Washington	37,927	5,738	3,434	2,250	1,719	1,505
West Virginia	21,935	3,021	1,876	1,363	882	839
Wisconsin	73,706	11,289	8,124	4,384	2,090	1,745
Wyoming	8,439	1,265	815	463	309	289
Total	^R 2,769,988	374,369	252,804	163,995	119,279	120,065

See footnote at end of table.

**Table 19. Natural Gas Deliveries to Commercial Consumers by State, 1991-1993
(Continued)
(Million Cubic Feet)**

State	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	1,099	1,209	1,491	2,240	2,780	3,736
Alaska	1,084	1,206	1,597	1,935	2,319	2,372
Arizona	R 1,654	1,965	1,808	2,584	3,178	3,290
Arkansas	1,058	1,103	1,349	2,091	2,780	3,811
California	21,269	22,213	27,256	16,415	24,477	23,946
Colorado	2,424	3,045	3,621	5,946	7,673	9,417
Connecticut	1,036	1,139	1,764	2,915	3,905	4,334
Delaware	167	199	310	541	691	760
District of Columbia	720	767	1,060	1,780	2,140	2,265
Florida	2,938	3,045	3,338	3,693	3,829	4,313
Georgia	2,542	2,597	3,099	4,366	5,754	6,918
Hawaii	174	184	177	183	174	180
Idaho	346	344	449	645	838	1,172
Illinois	5,757	4,863	8,772	17,380	23,099	26,168
Indiana	1,798	2,002	3,397	6,311	8,452	10,151
Iowa	1,100	1,426	1,875	3,878	4,942	6,700
Kansas	3,474	2,710	3,596	4,401	4,205	5,651
Kentucky	1,075	1,142	1,611	2,620	3,918	4,759
Louisiana	1,447	1,414	1,699	2,183	2,520	3,613
Maine	78	80	156	227	312	315
Maryland	1,553	1,784	2,390	3,805	5,121	6,377
Massachusetts	2,890	2,331	3,925	6,425	7,950	8,402
Michigan	5,004	5,889	10,359	17,653	22,915	24,765
Minnesota	2,245	2,476	3,606	7,509	10,119	11,064
Mississippi	903	900	1,008	1,495	1,756	2,737
Missouri	1,750	2,528	3,120	5,554	6,776	8,976
Montana	366	379	570	934	1,104	1,421
Nebraska	2,374	1,335	1,786	2,417	3,015	3,892
Nevada	1,024	954	1,020	1,347	1,740	1,889
New Hampshire	179	208	376	629	763	931
New Jersey	5,211	5,271	8,367	13,983	16,693	19,072
New Mexico	1,188	1,147	1,663	2,285	2,615	3,217
New York	9,419	10,023	13,654	23,218	27,933	30,121
North Carolina	1,524	1,678	2,145	3,217	3,881	4,939
North Dakota	279	298	524	937	1,082	1,380
Ohio	4,187	4,903	7,318	15,696	20,012	24,563
Oklahoma	1,424	1,546	1,788	2,927	3,667	5,242
Oregon	875	986	1,305	1,719	2,146	2,747
Pennsylvania	3,932	4,407	6,617	11,917	17,307	19,564
Rhode Island	444	493	682	800	1,103	1,149
South Carolina	817	940	1,057	1,422	1,727	2,135
South Dakota	291	303	460	828	1,063	1,174
Tennessee	1,833	2,017	2,449	4,193	5,200	6,816
Texas	13,220	9,624	11,448	12,962	14,294	16,843
Utah	410	457	642	1,155	1,866	2,951
Vermont	79	75	118	231	320	354
Virginia	2,027	2,203	3,186	4,360	5,749	6,432
Washington	1,578	1,830	2,350	3,195	3,874	4,862
West Virginia	791	960	1,214	2,030	2,730	3,056
Wisconsin	1,852	2,250	3,962	7,040	9,335	10,165
Wyoming	284	331	470	709	871	1,144
Total	R 121,191	123,182	168,005	246,931	312,711	362,302

See footnote at end of table.

Table 19. Natural Gas Deliveries to Commercial Consumers by State, 1991-1993
(Continued)
(Million Cubic Feet)

State	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991
Alabama	3,660	23,711	2,968	2,120	1,311	1,093
Alaska	2,414	20,897	2,308	1,930	1,561	1,198
Arizona	R 3,467	27,633	3,081	1,944	1,611	1,377
Arkansas	4,171	25,986	3,297	2,497	1,134	1,045
California	38,250	287,618	27,380	20,110	26,510	23,308
Colorado	10,757	68,953	9,496	6,098	3,018	2,088
Connecticut	4,376	26,838	3,396	2,396	1,423	864
Delaware	749	4,253	541	354	203	145
District of Columbia	2,300	15,550	1,764	1,071	658	689
Florida	4,356	39,271	3,954	3,520	2,799	2,998
Georgia	8,049	51,036	6,670	5,153	3,082	2,346
Hawaii	190	2,148	185	178	177	179
Idaho	1,550	9,582	1,321	942	424	329
Illinois	30,088	193,849	28,560	23,098	11,574	7,980
Indiana	11,929	68,431	10,240	7,826	3,617	2,360
Iowa	7,135	46,559	7,159	5,230	2,479	1,306
Kansas	6,598	58,571	5,538	6,075	2,656	2,629
Kentucky	6,184	33,700	5,161	4,197	1,862	1,338
Louisiana	3,454	25,461	2,843	2,347	1,441	1,229
Maine	318	1,860	278	152	103	59
Maryland	6,318	38,117	5,132	3,582	2,289	1,486
Massachusetts	7,878	53,189	6,027	4,048	2,666	1,939
Michigan	26,460	165,561	23,131	12,966	9,450	5,510
Minnesota	12,949	85,875	12,580	10,392	5,399	2,930
Mississippi	2,822	17,743	2,208	1,721	989	865
Missouri	10,116	63,191	8,864	6,471	2,689	2,056
Montana	1,733	12,848	1,791	1,559	724	438
Nebraska	4,380	40,291	4,037	3,468	2,056	1,961
Nevada	2,348	16,968	1,577	1,096	1,105	761
New Hampshire	911	5,028	643	420	256	173
New Jersey	17,607	121,240	16,069	9,914	7,210	5,261
New Mexico	3,848	24,993	3,586	1,861	1,034	934
New York	29,420	199,623	25,124	17,035	11,573	9,196
North Carolina	5,044	34,314	4,162	3,200	2,052	1,789
North Dakota	1,490	10,734	1,536	1,241	633	348
Ohio	26,072	150,407	21,950	15,495	8,069	4,197
Oklahoma	6,111	39,596	5,654	3,975	1,590	1,299
Oregon	3,602	22,328	2,758	1,898	927	855
Pennsylvania	20,572	125,549	17,451	12,251	7,439	4,580
Rhode Island	1,095	8,277	896	497	329	555
South Carolina	2,251	15,796	1,917	1,492	952	875
South Dakota	1,315	9,476	1,286	1,176	588	309
Tennessee	7,338	45,955	6,159	4,305	2,454	1,837
Texas	21,266	181,760	20,713	17,299	11,244	8,889
Utah	3,330	19,282	2,704	1,635	551	407
Vermont	366	2,058	284	188	133	82
Virginia	6,783	44,077	5,701	3,855	2,625	1,860
Washington	5,592	41,805	5,065	3,807	2,102	1,691
West Virginia	3,173	21,037	2,766	2,168	1,364	915
Wisconsin	11,469	71,539	10,941	8,568	4,336	2,229
Wyoming	1,490	9,105	1,234	873	450	269
Total	R 405,153	2,729,668	350,493	255,746	163,268	121,077

R = Revised Data.

NA = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Deliveries for the year 1991 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,
1991-1993
(Million Cubic Feet)**

State	YTD 1993	YTD 1992	YTD 1991	March 1993	February 1993	January 1993
Alabama	47,000	43,346	39,799	15,876	15,204	15,920
Alaska	20,304	20,814	19,089	6,255	6,295	7,754
Arizona	5,252	5,051	5,185	1,979	1,561	1,713
Arkansas	29,441	31,721	28,002	10,181	9,217	10,043
California	109,783	131,914	152,007	38,195	39,026	32,563
Colorado	22,856	15,088	16,861	7,182	7,642	8,032
Connecticut	11,536	10,392	8,512	3,903	4,043	3,590
Delaware	5,060	4,213	4,136	1,776	1,571	1,713
District of Columbia	0	0	0	0	0	0
Florida	24,193	21,670	22,472	8,376	7,997	7,821
Georgia	41,687	44,982	42,660	14,050	13,545	14,091
Hawaii	0	0	0	0	0	0
Idaho	8,203	7,205	7,081	2,759	2,718	2,726
Illinois	97,430	91,353	94,423	31,780	33,401	32,249
Indiana	75,690	67,928	65,310	25,475	24,817	25,399
Iowa	27,604	26,198	25,004	9,430	9,034	9,140
Kansas	32,652	30,824	33,811	10,179	11,665	10,807
Kentucky	22,441	21,791	20,553	7,381	7,751	7,309
Louisiana	227,615	289,015	228,853	75,882	73,504	R 78,228
Maine	414	489	587	136	126	152
Maryland	13,113	13,653	13,238	4,626	4,276	4,210
Massachusetts	13,175	12,208	12,203	4,441	4,303	4,430
Michigan	92,842	87,281	78,263	31,945	31,055	29,841
Minnesota	26,813	28,104	26,597	8,809	8,659	9,346
Mississippi	28,286	29,983	25,979	9,623	8,632	10,030
Missouri	18,254	17,347	17,342	5,986	5,727	6,541
Montana	3,456	3,073	2,887	1,189	1,064	1,203
Nebraska	7,086	6,684	7,343	2,743	R 1,807	R 2,536
Nevada	4,440	1,590	1,721	1,483	1,141	1,816
New Hampshire	948	939	949	325	304	318
New Jersey	50,951	32,485	26,764	16,846	16,874	R 17,230
New Mexico	4,353	5,496	4,894	1,416	1,457	1,480
New York	42,636	40,772	34,428	14,533	13,927	14,175
North Carolina	24,644	24,851	22,203	8,683	7,691	8,270
North Dakota	1,803	1,764	1,357	582	586	635
Ohio	89,441	84,140	80,524	30,705	29,456	29,280
Oklahoma	46,859	48,283	46,375	15,378	15,046	16,435
Oregon	15,900	19,339	14,243	5,457	4,878	5,565
Pennsylvania	72,230	70,480	65,288	24,911	23,817	23,501
Rhode Island	9,338	10,436	5,281	3,130	3,069	3,138
South Carolina	24,109	23,590	20,748	8,761	7,428	7,920
South Dakota	1,435	1,301	1,544	459	462	515
Tennessee	32,753	33,213	31,652	10,450	10,372	11,931
Texas	425,448	470,359	405,624	142,528	129,175	153,745
Utah	15,852	13,830	11,115	4,589	5,142	6,121
Vermont	593	613	524	191	187	215
Virginia	26,611	18,616	15,344	8,191	9,401	9,020
Washington	25,435	22,436	20,719	8,979	8,143	8,313
West Virginia	12,706	11,256	10,566	4,452	4,071	4,182
Wisconsin	42,980	38,106	41,918	13,829	14,159	14,993
Wyoming	11,053	12,231	8,068	2,995	3,789	4,269
Total	1,994,705	2,049,597	1,870,047	669,031	R 645,218	R 680,457

See footnotes at end of table

**Table 20. Natural Gas Deliveries to Industrial Consumers by State,
1991-1993 (Continued)
(Million Cubic Feet)**

State	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992
Alabama	169,019	14,861	14,735	13,959	13,572	13,287
Alaska	80,897	7,882	7,333	7,806	4,839	5,353
Arizona	20,414	1,952	1,613	1,743	1,643	1,663
Arkansas	Ⓜ 118,020	10,454	9,794	Ⓜ 9,644	9,670	9,211
California	474,578	39,247	40,014	32,765	42,482	40,160
Colorado	Ⓜ 57,738	6,700	5,522	5,185	4,752	4,111
Connecticut	36,384	3,490	3,102	2,867	2,732	2,643
Delaware	18,113	1,766	1,899	1,796	1,437	1,358
District of Columbia	0	0	0	0	0	0
Florida	82,333	7,367	6,754	6,092	6,419	6,509
Georgia	172,272	13,942	14,103	14,223	13,850	13,856
Hawaii	0	0	0	0	0	0
Idaho	26,991	2,618	2,504	2,354	1,897	1,659
Illinois	303,146	31,704	26,893	24,758	21,167	18,791
Indiana	242,255	24,469	22,185	20,515	17,974	16,678
Iowa	101,736	9,560	9,779	8,464	7,875	7,734
Kansas	131,386	13,416	12,557	13,617	10,166	10,159
Kentucky	73,384	6,929	6,753	5,992	5,057	5,245
Louisiana	Ⓜ 990,471	74,862	74,939	Ⓜ 80,646	Ⓜ 71,952	71,020
Maine	2,048	165	207	152	164	162
Maryland	49,633	4,174	4,320	3,923	3,648	3,741
Massachusetts	49,090	3,563	3,813	3,930	4,051	4,065
Michigan	308,689	27,802	28,677	24,210	21,300	22,088
Minnesota	92,882	8,899	8,825	6,973	6,242	6,367
Mississippi	115,130	9,563	9,421	9,623	9,511	8,805
Missouri	58,287	5,791	5,286	4,598	3,918	4,088
Montana	12,068	1,263	1,327	1,122	1,055	893
Nebraska	25,728	2,346	2,544	2,179	2,004	2,044
Nevada	6,375	529	533	619	451	503
New Hampshire	3,767	287	301	266	331	328
New Jersey	152,615	13,988	15,186	15,683	13,758	13,102
New Mexico	17,921	1,603	1,454	1,569	1,295	1,325
New York	145,551	15,480	12,410	11,278	11,059	10,190
North Carolina	94,044	7,949	7,975	7,932	7,447	7,676
North Dakota	5,917	570	525	484	408	390
Ohio	295,101	29,314	26,597	24,002	21,189	19,938
Oklahoma	179,474	15,342	14,751	13,602	14,253	14,619
Oregon	73,471	5,833	6,395	7,029	6,903	6,651
Pennsylvania	244,636	21,913	21,524	19,144	17,994	17,537
Rhode Island	Ⓜ 41,789	Ⓜ 3,153	Ⓜ 2,954	Ⓜ 3,029	Ⓜ 2,970	3,587
South Carolina	94,516	6,992	8,329	7,607	7,810	7,729
South Dakota	Ⓜ 4,563	526	414	330	278	Ⓜ 246
Tennessee	123,736	10,493	10,705	10,337	9,594	9,767
Texas	1,929,247	167,910	153,892	155,125	166,255	162,873
Utah	46,356	5,112	4,636	3,635	3,077	3,097
Vermont	1,958	196	169	167	145	130
Virginia	78,917	6,566	5,941	4,773	6,423	7,326
Washington	84,030	7,255	7,019	7,198	6,482	8,232
West Virginia	Ⓜ 45,291	4,539	4,138	4,048	Ⓜ 3,481	3,578
Wisconsin	128,883	13,723	12,412	10,162	8,648	8,195
Wyoming	49,790	4,150	3,923	4,358	4,327	4,048
Total	Ⓜ 7,660,635	Ⓜ 678,207	Ⓜ 647,082	Ⓜ 621,510	Ⓜ 603,954	Ⓜ 592,757

See footnotes at end of table

**Table 20. Natural Gas Deliveries to Industrial Consumers by State,
1991-1993 (Continued)
(Million Cubic Feet)**

State	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	14,009	13,762	13,921	13,568	14,967	13,887
Alaska	6,964	6,314	6,899	6,692	6,558	6,907
Arizona	1,702	1,697	1,623	1,727	1,813	1,671
Arkansas	9,028	8,994	9,758	9,747	10,751	9,815
California	35,278	38,165	47,753	26,800	38,776	43,267
Colorado	4,279	4,226	R 3,268	4,608	4,676	5,091
Connecticut	2,522	2,721	2,775	3,241	3,672	3,376
Delaware	1,241	1,346	1,505	1,552	1,434	1,413
District of Columbia	0	0	0	0	0	0
Florida	6,465	6,802	7,066	7,189	7,280	6,711
Georgia	14,373	13,987	14,378	14,578	15,690	14,536
Hawaii	0	0	0	0	0	0
Idaho	1,977	2,243	2,289	2,245	2,466	2,246
Illinois	20,223	19,422	22,974	25,862	29,603	30,058
Indiana	16,894	17,505	18,571	19,536	22,700	21,807
Iowa	8,173	7,894	7,801	8,258	8,903	8,427
Kansas	10,248	10,110	9,687	10,603	9,921	9,590
Kentucky	4,726	5,197	5,498	6,195	7,152	7,037
Louisiana	73,809	70,611	R 86,893	R 96,724	R 97,065	R 92,836
Maine	161	157	172	219	203	159
Maryland	3,980	3,754	3,960	4,481	5,126	4,272
Massachusetts	3,383	3,886	4,555	5,637	4,248	3,980
Michigan	20,529	22,801	25,258	28,742	31,251	28,495
Minnesota	6,473	6,158	6,976	7,866	8,650	9,631
Mississippi	9,326	9,374	9,494	10,031	10,581	8,690
Missouri	3,889	4,079	4,263	5,027	5,531	5,485
Montana	871	772	831	860	853	1,085
Nebraska	2,015	2,082	1,699	2,130	2,051	2,334
Nevada	488	540	562	560	564	489
New Hampshire	297	296	308	416	310	325
New Jersey	11,947	12,170	10,616	12,536	11,636	11,428
New Mexico	1,092	1,055	1,386	1,645	1,544	1,913
New York	10,496	10,693	10,890	12,284	13,783	13,996
North Carolina	7,120	7,560	7,730	7,802	8,799	8,126
North Dakota	438	420	446	472	608	528
Ohio	20,014	21,152	22,231	26,523	26,362	28,611
Oklahoma	14,917	14,321	14,727	14,659	16,086	15,668
Oregon	6,262	5,421	4,733	4,904	5,452	6,929
Pennsylvania	17,963	17,282	19,357	21,442	23,856	23,540
Rhode Island	3,974	3,746	3,852	4,088	3,936	R 3,525
South Carolina	7,945	8,145	8,182	8,187	8,983	7,634
South Dakota	383	R 323	346	418	482	439
Tennessee	10,019	9,160	9,452	10,996	11,059	10,671
Texas	167,715	156,311	167,691	161,117	166,927	138,250
Utah	3,086	3,199	3,172	3,513	4,218	4,314
Vermont	119	128	149	141	223	200
Virginia	10,629	6,030	6,531	6,081	6,350	6,072
Washington	5,907	6,517	6,316	6,668	7,132	7,464
West Virginia	R 3,360	3,623	R 3,439	3,828	R 3,838	3,612
Wisconsin	7,714	8,713	9,576	11,635	13,128	12,953
Wyoming	4,306	4,425	4,147	3,874	4,085	4,096
Total	R 598,729	R 585,189	R 635,703	R 647,907	R 691,280	R 653,387

See footnotes at end of table

**Table 20. Natural Gas Deliveries to Industrial Consumers by State,
1991-1993 (Continued)
(Million Cubic Feet)**

State	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991
Alabama	14,491	154,825	13,500	13,361	13,604	12,358
Alaska	7,350	75,637	6,909	6,727	5,563	5,004
Arizona	1,567	19,204	1,644	1,578	1,594	1,562
Arkansas	11,154	104,850	9,638	9,123	8,447	8,799
California	49,871	602,619	49,535	42,637	55,464	56,258
Colorado	5,322	56,176	5,290	4,888	4,368	3,861
Connecticut	3,343	32,660	3,229	3,120	2,898	2,486
Delaware	1,366	16,147	1,332	1,322	1,387	1,201
District of Columbia	0	0	0	0	0	0
Florida	7,679	83,398	7,763	7,171	6,572	6,161
Georgia	14,756	167,098	13,913	14,178	14,360	13,962
Hawaii	0	0	0	0	0	0
Idaho	2,493	26,662	2,483	2,302	2,346	1,978
Illinois	31,692	302,691	31,841	30,248	24,392	20,563
Indiana	23,421	227,769	22,133	21,081	18,375	17,054
Iowa	8,868	97,446	8,834	8,705	8,911	8,640
Kansas	11,314	123,517	10,905	11,399	9,505	9,104
Kentucky	7,603	71,637	7,072	7,211	6,476	5,275
Louisiana	R 99,314	924,662	78,739	77,004	76,759	74,082
Maine	127	2,207	203	233	208	154
Maryland	4,255	47,150	4,418	3,948	3,827	3,422
Massachusetts	3,980	54,750	4,035	4,179	4,238	4,076
Michigan	27,536	271,987	27,166	19,918	21,564	20,959
Minnesota	9,823	92,251	8,422	8,505	7,171	7,232
Mississippi	10,711	104,622	9,360	9,553	9,362	8,410
Missouri	6,332	57,186	5,664	5,193	4,557	4,254
Montana	1,135	9,873	1,221	1,120	988	705
Nebraska	2,300	24,758	2,156	2,027	2,037	1,911
Nevada	537	6,624	513	517	594	558
New Hampshire	303	3,457	268	294	317	318
New Jersey	10,564	100,768	9,021	9,151	9,790	7,702
New Mexico	2,040	19,346	2,576	1,700	1,336	1,325
New York	12,993	118,944	12,252	10,469	9,975	8,800
North Carolina	7,926	84,863	7,304	7,632	7,881	6,919
North Dakota	627	5,123	603	535	538	449
Ohio	29,168	279,750	26,819	25,227	24,179	21,731
Oklahoma	16,528	180,695	15,711	15,370	15,664	13,454
Oregon	6,959	55,049	4,632	4,841	4,838	4,475
Pennsylvania	23,084	231,375	21,156	20,644	19,351	17,154
Rhode Island	R 2,976	26,867	3,303	3,280	3,359	1,962
South Carolina	6,973	85,790	6,841	7,405	7,806	7,493
South Dakota	360	4,658	368	421	404	341
Tennessee	11,483	115,786	10,622	10,281	8,640	8,610
Texas	165,181	1,772,691	166,382	157,045	163,516	152,301
Utah	5,299	43,120	5,903	4,504	3,443	2,927
Vermont	190	1,717	187	176	152	124
Virginia	6,194	59,962	5,103	4,506	4,805	4,805
Washington	7,840	79,735	7,688	7,417	7,044	5,991
West Virginia	3,807	40,889	3,453	3,423	3,868	3,528
Wisconsin	12,024	128,798	13,287	12,460	10,343	8,693
Wyoming	4,050	33,174	3,265	3,287	3,203	2,509
Total	R 704,929	7,230,963	664,662	627,317	626,020	581,640

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^a Consumers by State, 1991-1993
(Million Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	March 1993	February 1993	January 1993
Alabama	770	786	802	215	306	249
Alaska	7,798	7,205	9,034	2,482	2,535	2,781
Arizona	3,039	5,123	2,036	1,921	588	530
Arkansas	865	4,794	3,972	280	263	322
California	120,667	120,903	107,035	38,720	40,118	41,829
Colorado	1,439	1,131	1,007	514	394	531
Connecticut	107	486	27	20	62	25
Delaware	472	1,449	2,468	253	55	164
District of Columbia	0	0	0	0	0	0
Florida	34,312	43,656	44,458	12,232	11,459	10,621
Georgia	83	27	66	22	49	12
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	1,387	3,449	2,406	482	396	509
Indiana	1,565	2,684	1,535	457	450	658
Iowa	511	435	418	169	106	236
Kansas	2,284	2,146	3,564	920	670	694
Kentucky	35	65	69	11	12	12
Louisiana	34,153	47,839	40,941	14,087	9,246	10,820
Maine	0	0	0	0	0	0
Maryland	1,138	1,208	1,767	560	349	229
Massachusetts	3,221	576	4,312	2,955	128	138
Michigan	5,065	7,790	4,534	1,380	1,904	1,781
Minnesota	484	1,548	1,229	164	144	176
Mississippi	4,954	13,395	11,585	2,114	1,249	1,591
Missouri	247	436	822	113	75	59
Montana	35	17	26	15	16	4
Nebraska	263	386	421	111	48	104
Nevada	3,778	3,336	2,576	2,305	926	547
New Hampshire	0	0	0	0	0	0
New Jersey	3,229	3,928	7,498	1,508	1,383	338
New Mexico	5,955	4,191	6,276	2,793	1,699	1,463
New York	33,095	40,706	31,418	12,983	9,569	10,543
North Carolina	513	708	660	141	205	167
North Dakota	0	1	0	0	0	0
Ohio	1,201	880	316	417	432	352
Oklahoma	28,964	31,540	29,639	10,268	9,249	9,447
Oregon	5,177	4,129	84	1,990	2,074	1,113
Pennsylvania	3,046	398	556	1,133	1,156	757
Rhode Island	0	43	157	0	0	0
South Carolina	106	811	183	69	20	17
South Dakota	12	3	1	10	2	0
Tennessee	56	70	0	15	21	20
Texas	197,832	183,241	186,594	75,318	59,828	62,686
Utah	1,954	1,846	879	697	557	700
Vermont	3	23	31	1	1	1
Virginia	5,616	3,034	302	1,776	1,978	1,862
Washington	3,879	24	34	1,836	1,896	147
West Virginia	35	26	33	6	19	10
Wisconsin	591	580	516	318	130	143
Wyoming	33	20	15	15	8	10
Total	519,973	547,074	512,303	193,795	161,778	164,400

See footnotes at end of table.

Table 21. Natural Gas Deliveries to Electric Utility^a Consumers by State, 1991-1993 (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	246	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	8,364	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	3,629
New Hampshire	633	0	0	16	499	118
New Jersey	38,772	681	1,209	1,562	3,860	6,351
New Mexico	22,486	1,408	1,440	1,803	2,183	2,594
New York	208,731	10,640	11,688	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, 1991-1993 (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	36,692	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	1,306
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	13,652	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

See footnotes at end of table.

Table 21. Natural Gas Deliveries to Electric Utility^a Consumers by State, 1991-1993 (Continued)
(Million Cubic Feet)

State	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991
Alabama	267	4,081	312	309	323	308
Alaska	2,498	31,330	2,489	2,456	2,358	2,076
Arizona	1,451	23,282	355	1,929	3,968	2,299
Arkansas	311	27,903	309	307	1,602	2,358
California	39,387	449,014	36,246	39,364	56,802	55,546
Colorado	328	5,715	704	641	631	365
Connecticut	34	4,702	40	48	650	794
Delaware	456	14,354	982	674	892	1,396
District of Columbia	0	0	0	0	0	0
Florida	12,365	201,319	13,027	14,891	17,614	19,167
Georgia	3	838	20	53	15	301
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	869	12,865	667	868	902	962
Indiana	1,119	10,043	1,851	750	646	963
Iowa	96	3,671	239	405	245	289
Kansas	735	36,122	739	2,032	2,762	4,149
Kentucky	35	227	19	14	19	17
Louisiana	14,182	254,245	12,093	15,920	22,562	25,496
Maine	0	0	0	0	0	0
Maryland	270	16,059	319	670	917	1,347
Massachusetts	59	39,133	265	1,450	4,394	4,252
Michigan	2,045	23,736	2,594	2,401	1,353	1,829
Minnesota	337	5,870	384	340	305	514
Mississippi	2,804	62,409	2,712	3,798	3,543	4,394
Missouri	107	12,709	97	285	370	1,504
Montana	6	268	29	29	7	22
Nebraska	97	3,689	368	538	479	309
Nevada	744	21,738	887	1,351	2,164	2,546
New Hampshire	0	0	0	0	0	0
New Jersey	466	61,874	1,141	2,498	2,457	4,459
New Mexico	1,597	28,100	1,826	2,127	2,648	1,884
New York	9,843	211,640	12,968	14,580	17,398	19,924
North Carolina	269	3,020	262	227	119	286
North Dakota	0	1	0	0	0	0
Ohio	312	3,237	137	346	299	357
Oklahoma	9,870	167,214	8,716	10,665	14,746	15,494
Oregon	2,124	10,856	1,919	1,651	2,174	1,844
Pennsylvania	94	2,037	193	148	83	128
Rhode Island	0	1,638	7	86	64	164
South Carolina	15	9,823	7	10	11	254
South Dakota	2	177	1	0	6	8
Tennessee	17	211	26	64	0	13
Texas	62,015	1,005,051	63,406	73,000	95,982	83,201
Utah	626	5,190	617	604	625	389
Vermont	2	1,091	13	10	99	40
Virginia	1,118	9,471	741	56	887	1,021
Washington	11	139	23	17	43	3
West Virginia	16	140	21	8	7	15
Wisconsin	113	2,706	154	206	197	127
Wyoming	9	76	5	5	10	13
Total	169,125	2,789,014	169,931	197,831	263,376	262,825

^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, 1991-1993
(Million Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	March 1993	February 1993	January 1993
Alabama	83,295	77,866	72,624	28,360	27,204	27,731
Alaska	40,803	40,597	40,495	12,261	13,441	15,102
Arizona	30,991	36,653	31,846	10,925	9,078	10,988
Arkansas	65,170	65,491	64,369	21,176	20,757	23,238
California	521,164	525,732	536,345	150,934	178,951	191,279
Colorado	105,258	86,168	92,598	32,176	34,170	38,913
Connecticut	45,344	42,427	37,495	14,381	16,223	14,740
Delaware	12,090	11,741	12,058	4,363	3,818	3,910
District of Columbia	15,259	14,428	13,964	4,982	5,209	5,068
Florida	76,144	83,921	83,332	26,544	25,327	24,273
Georgia	116,471	112,200	105,790	37,293	39,509	39,668
Hawaii	708	693	687	230	242	236
Idaho	18,912	14,891	15,850	5,760	6,353	6,799
Illinois	416,750	376,752	390,934	127,615	137,682	151,452
Indiana	190,567	168,424	169,231	60,808	63,026	66,734
Iowa	91,099	78,045	84,095	27,940	29,962	33,197
Kansas	101,005	80,504	98,723	31,110	33,529	36,366
Kentucky	70,517	64,883	64,120	21,817	24,557	24,142
Louisiana	296,352	371,188	305,006	101,018	94,403	100,931
Maine	1,837	1,819	1,676	542	643	652
Maryland	69,900	66,452	61,762	23,582	23,903	22,416
Massachusetts	97,076	90,869	86,266	34,239	31,875	30,962
Michigan	347,818	325,835	313,023	112,635	116,861	118,323
Minnesota	123,249	112,704	118,172	36,597	40,237	46,416
Mississippi	54,801	62,853	57,182	18,772	17,177	18,852
Missouri	118,656	96,350	111,035	37,514	37,934	43,208
Montana	18,148	13,781	15,983	5,546	5,285	7,317
Nebraska	44,371	35,999	41,973	14,678	12,108	17,585
Nevada	24,402	19,358	18,873	8,525	7,342	8,536
New Hampshire	6,965	6,534	5,861	2,245	2,359	2,361
New Jersey	208,020	180,179	165,809	69,180	72,918	65,922
New Mexico	35,924	34,253	35,935	11,064	11,346	13,515
New York	341,534	339,527	298,220	116,426	112,552	112,556
North Carolina	65,251	59,703	55,869	21,850	21,222	22,178
North Dakota	11,576	9,800	10,723	3,384	3,586	4,606
Ohio	334,143	309,608	303,943	108,913	114,860	110,369
Oklahoma	134,132	125,080	130,280	43,692	42,910	47,531
Oregon	45,671	43,006	35,509	14,168	14,890	16,613
Pennsylvania	262,685	250,292	234,684	87,909	89,507	85,268
Rhode Island	22,871	22,788	16,323	7,749	7,754	7,369
South Carolina	43,304	41,419	37,331	15,177	13,775	14,352
South Dakota	11,895	9,230	10,650	3,492	3,747	4,657
Tennessee	83,650	77,730	78,005	27,369	26,960	29,321
Texas	792,530	799,559	755,898	264,207	245,392	282,930
Utah	50,897	44,246	44,015	14,570	17,051	19,277
Vermont	2,953	2,900	2,503	976	1,003	975
Virginia	86,484	69,667	59,496	27,348	30,371	28,766
Washington	71,575	54,684	57,256	22,838	23,257	25,479
West Virginia	38,931	36,507	35,082	13,395	13,239	12,297
Wisconsin	116,024	122,921	130,760	42,997	44,879	28,148
Wyoming	19,978	20,487	17,215	5,640	6,655	7,682
Total	5,985,149	5,738,744	5,566,876	1,936,911	1,977,035	2,071,203

See footnotes at end of tables.

Table 22. Natural Gas Deliveries to All Consumers by State, 1991-1993 (Continued)
(Million Cubic Feet)

State	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992
Alabama	246,851	25,508	20,489	17,234	16,377	15,964
Alaska	145,499	14,676	13,459	13,319	9,046	9,178
Arizona	R 114,214	11,229	6,176	7,360	9,120	9,636
Arkansas	R 209,884	20,621	15,183	R 13,092	14,109	14,177
California	1,804,199	190,413	148,350	129,368	137,715	150,406
Colorado	R 223,546	33,185	19,086	12,290	10,164	9,200
Connecticut	110,231	13,172	9,571	6,891	4,959	4,975
Delaware	39,688	4,015	3,511	2,926	2,634	2,830
District of Columbia	32,816	4,151	2,426	1,400	1,104	1,098
Florida	341,322	23,663	23,631	22,385	30,910	30,814
Georgia	335,209	40,061	31,643	22,757	19,581	19,452
Hawaii	2,696	234	221	210	221	215
Idaho	45,563	6,116	4,415	3,245	2,540	2,173
Illinois	982,553	140,903	104,811	66,066	42,043	36,520
Indiana	475,626	61,659	46,816	33,296	24,357	22,318
Iowa	225,237	30,450	24,207	15,049	11,336	10,943
Kansas	267,885	34,025	23,803	19,598	16,348	17,240
Kentucky	170,965	23,011	17,822	11,601	7,704	7,850
Louisiana	R 1,325,918	98,036	94,559	R 102,707	R 99,177	100,981
Maine	5,098	557	461	307	248	235
Maryland	178,822	20,724	15,531	11,112	8,516	8,851
Massachusetts	268,231	25,027	23,086	16,519	14,676	14,799
Michigan	865,384	103,784	81,062	56,427	37,900	38,121
Minnesota	292,808	39,434	31,555	18,719	12,342	11,673
Mississippi	214,140	17,959	14,657	13,158	16,651	15,845
Missouri	238,423	35,508	21,558	11,802	8,987	8,961
Montana	40,708	6,465	4,457	3,082	2,323	1,669
Nebraska	104,157	14,569	11,328	6,969	5,123	5,522
Nevada	65,547	6,440	3,631	4,324	4,716	5,506
New Hampshire	16,714	1,752	1,342	864	1,156	754
New Jersey	521,435	58,729	45,389	34,754	28,382	29,318
New Mexico	98,293	12,240	7,124	6,059	5,881	6,243
New York	953,133	103,053	71,743	56,185	52,405	51,426
North Carolina	175,678	19,800	14,535	11,928	10,239	10,352
North Dakota	25,363	3,592	2,530	1,518	1,057	866
Ohio	798,155	102,573	75,859	54,167	33,878	31,644
Oklahoma	429,390	42,645	30,610	26,599	33,086	33,343
Oregon	134,101	14,298	11,796	11,165	10,620	9,954
Pennsylvania	645,615	76,754	58,931	43,481	29,663	27,768
Rhode Island	R 70,855	R 6,506	R 5,239	R 4,265	R 3,913	4,562
South Carolina	135,144	12,838	11,487	9,413	9,129	9,073
South Dakota	R 24,675	3,823	2,823	1,496	921	R 792
Tennessee	221,687	25,253	19,115	14,592	12,657	12,523
Texas	3,281,519	292,839	262,601	254,346	279,797	282,319
Utah	114,217	16,730	9,946	6,647	5,345	5,274
Vermont	7,598	775	613	561	277	288
Virginia	201,708	23,527	16,126	11,294	10,474	11,688
Washington	170,211	20,898	14,676	12,102	10,030	13,389
West Virginia	R 101,387	11,531	8,998	7,228	R 5,163	5,071
Wisconsin	329,197	44,333	34,041	22,348	14,232	12,793
Wyoming	69,662	7,219	5,875	5,411	5,021	4,635
Total	R 17,898,959	R 1,947,300	R 1,528,701	R 1,239,437	R 1,134,253	R 1,141,226

See footnotes at end of tables.

Table 22. Natural Gas Deliveries to All Consumers by State, 1991-1993 (Continued)
(Million Cubic Feet)

State	July 1992	June 1992	May 1992	April 1992	March 1992	February 1992
Alabama	16,844	17,052	18,478	21,041	23,557	27,104
Alaska	10,865	10,352	11,624	12,382	13,080	13,469
Arizona	8,522	7,835	8,218	9,463	11,385	11,882
Arkansas	15,418	15,248	16,832	19,714	20,301	22,395
California	129,948	121,163	145,110	125,993	152,479	167,899
Colorado	10,074	11,578	12,238	19,563	24,427	29,179
Connecticut	5,084	5,464	7,075	10,811	13,751	14,279
Delaware	2,576	2,861	2,942	3,633	3,809	4,058
District of Columbia	1,191	1,399	2,012	3,807	4,321	5,105
Florida	32,028	32,209	31,290	30,471	29,865	27,430
Georgia	20,730	20,186	22,208	26,391	34,314	35,959
Hawaii	218	231	224	229	222	231
Idaho	2,555	2,833	3,180	3,616	4,246	4,770
Illinois	37,234	38,255	55,206	84,963	113,638	120,128
Indiana	22,669	24,901	30,620	40,567	50,794	55,041
Iowa	11,087	11,723	13,180	19,216	22,520	26,995
Kansas	18,458	18,778	18,400	22,731	22,679	26,710
Kentucky	7,147	8,195	9,744	13,009	19,001	20,296
Louisiana	111,241	104,802	117,509	125,718	125,824	118,545
Maine	263	273	393	541	635	612
Maryland	10,889	9,480	11,329	16,139	20,710	22,467
Massachusetts	17,378	16,306	20,446	29,124	29,750	31,554
Michigan	35,732	42,058	59,230	85,235	105,086	108,354
Minnesota	11,935	12,263	16,081	26,103	33,316	37,343
Mississippi	18,290	16,458	18,410	19,860	20,352	21,445
Missouri	9,660	10,558	13,388	21,651	25,975	32,947
Montana	1,756	1,716	2,272	3,188	3,597	4,759
Nebraska	5,597	4,876	5,630	8,544	10,017	12,299
Nevada	5,693	5,298	5,089	5,491	5,954	6,154
New Hampshire	635	722	1,145	1,811	1,942	2,346
New Jersey	34,589	26,952	32,486	50,657	58,248	62,068
New Mexico	5,723	5,213	6,978	8,561	9,212	11,706
New York	55,552	58,064	69,315	95,863	112,573	116,620
North Carolina	10,137	10,931	12,324	15,730	18,124	20,717
North Dakota	977	1,029	1,583	2,411	2,819	3,364
Ohio	32,583	36,589	47,207	74,048	92,577	103,810
Oklahoma	35,315	32,738	32,750	37,225	39,491	40,867
Oregon	9,242	7,916	7,407	8,697	10,314	15,216
Pennsylvania	28,849	30,075	40,080	59,719	77,457	85,008
Rhode Island	5,134	5,100	6,073	7,275	7,884	7,802
South Carolina	9,710	9,883	10,280	11,913	14,148	13,836
South Dakota	942	950	1,450	2,251	2,758	3,122
Tennessee	13,005	12,642	14,109	20,060	22,333	26,295
Texas	309,061	271,764	265,855	263,378	268,969	241,889
Utah	5,419	5,888	6,427	8,494	11,600	14,970
Vermont	436	435	534	778	930	981
Virginia	16,570	11,046	13,917	17,400	20,910	23,786
Washington	8,577	10,752	11,226	13,876	15,711	18,274
West Virginia	4,828	5,684	6,661	9,715	11,002	12,614
Wisconsin	12,402	14,921	20,211	30,993	38,633	40,641
Wyoming	4,935	5,219	5,268	5,592	6,164	6,809
Total	1,185,505	1,136,687	1,291,642	1,555,464	1,789,412	1,882,153

See footnotes at end of tables.

Table 22. Natural Gas Deliveries to All Consumers by State, 1991-1993 (Continued)
(Million Cubic Feet)

State	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991
Alabama	27,205	228,765	23,176	19,675	17,032	15,148
Alaska	14,038	141,426	13,396	12,469	10,408	8,878
Arizona	^R 13,388	101,473	9,744	7,346	8,249	6,138
Arkansas	22,794	199,379	18,725	15,822	12,757	13,371
California	205,354	1,847,949	180,196	141,349	164,988	158,496
Colorado	32,562	228,283	29,497	19,704	11,558	8,681
Connecticut	14,397	101,380	11,874	8,998	6,914	5,249
Delaware	3,874	41,944	3,747	2,897	2,743	2,916
District of Columbia	5,003	30,836	3,765	2,290	1,245	1,152
Florida	26,627	336,895	26,421	26,712	27,644	28,972
Georgia	41,928	315,634	36,415	31,863	22,287	19,502
Hawaii	241	2,694	231	222	218	222
Idaho	5,874	46,467	5,363	4,332	3,084	2,525
Illinois	142,986	976,375	132,181	115,313	64,100	45,603
Indiana	62,588	452,690	58,842	46,570	30,222	24,263
Iowa	28,530	226,476	28,609	23,296	15,718	11,992
Kansas	31,115	293,035	28,191	26,795	17,417	17,571
Kentucky	25,585	165,028	21,934	19,097	11,477	8,116
Louisiana	^R 126,818	1,258,960	101,242	100,471	103,029	102,781
Maine	572	4,789	584	442	347	239
Maryland	23,275	170,561	19,830	14,825	10,724	8,417
Massachusetts	29,565	250,028	23,181	17,746	15,790	13,303
Michigan	112,394	798,489	102,051	68,694	50,856	37,595
Minnesota	42,045	301,144	39,915	33,339	19,529	13,912
Mississippi	21,056	210,531	17,905	17,430	14,918	14,493
Missouri	37,428	253,765	32,032	24,144	12,049	10,577
Montana	5,425	41,401	5,666	4,926	2,695	1,724
Nebraska	13,682	113,409	13,134	11,229	6,634	5,266
Nevada	7,250	64,465	6,318	4,279	4,543	4,413
New Hampshire	2,247	14,094	1,601	1,166	822	647
New Jersey	59,863	460,521	50,967	37,798	28,206	22,589
New Mexico	13,336	102,206	12,387	7,614	6,069	4,955
New York	110,334	869,100	96,633	71,694	55,283	47,462
North Carolina	20,862	160,172	17,375	14,809	11,539	9,776
North Dakota	3,617	26,195	3,627	2,963	1,611	1,021
Ohio	113,221	755,118	96,913	76,832	49,867	34,091
Oklahoma	44,722	456,705	40,150	36,925	34,327	31,987
Oregon	17,475	114,557	12,863	10,497	8,650	7,756
Pennsylvania	87,827	601,688	72,938	56,681	40,276	28,654
Rhode Island	^R 7,102	54,148	6,392	5,298	4,921	3,172
South Carolina	13,435	131,020	11,887	10,875	9,413	9,013
South Dakota	3,349	25,529	3,250	3,031	1,606	944
Tennessee	29,101	211,310	24,423	19,735	12,993	11,529
Texas	288,701	3,181,703	283,341	271,155	280,930	252,159
Utah	17,676	118,164	17,066	11,036	6,420	5,071
Vermont	989	7,069	798	561	494	294
Virginia	24,971	167,709	19,327	13,890	10,832	9,104
Washington	20,699	167,901	19,113	15,644	10,905	8,790
West Virginia	12,891	94,624	10,959	8,806	6,975	5,222
Wisconsin	43,647	327,124	43,185	35,715	22,224	14,898
Wyoming	7,515	54,348	6,170	5,344	4,230	3,065
Total	^R 2,067,178	17,305,276	1,843,531	1,540,346	1,277,771	1,103,536

^R = Revised Data.
^{NA} = Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Deliveries for total year 1991 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, 1991-1993
(Dollars per Thousand Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	March 1993	February 1993	January 1993	Total 1992	December 1992
Alabama	3.28	2.98	--	3.16	3.36	3.32	3.21	3.43
Alaska .....	.32	.34	0.33	.33	.33	.33	.34	.33
Arizona	2.47	2.11	2.46	2.50	2.28	2.63	2.33	2.55
Arkansas	2.56	2.61	2.56	2.63	2.45	2.62	2.59	2.58
California	2.76	2.37	2.79	2.90	2.89	2.74	2.72	2.75
Colorado	2.70	2.66	2.70	2.57	2.67	2.80	2.86	2.81
Connecticut	3.42	3.18	3.62	3.31	3.27	3.70	3.73	3.59
Delaware	3.12	2.62	2.86	3.22	3.03	3.13	2.83	3.53
District of Columbia	--	--	--	--	--	--	--	--
Florida	2.74	2.33	2.63	2.64	2.65	2.95	2.61	3.07
Georgia	3.52	2.60	3.89	3.28	3.48	3.79	3.28	3.51
Hawaii	6.33	7.39	9.25	5.46	7.01	6.49	7.72	7.59
Idaho	2.03	2.28	2.09	2.12	1.97	2.03	2.18	2.06
Illinois	3.47	2.70	3.26	3.25	3.48	3.75	3.18	3.53
Indiana	2.92	2.73	3.13	2.91	2.83	3.04	3.08	3.26
Iowa	2.92	2.71	2.58	2.94	2.81	3.02	3.20	3.21
Kansas	2.95	2.61	2.76	3.19	2.66	3.06	2.50	2.48
Kentucky	3.15	2.84	2.92	3.24	3.10	3.13	3.02	3.26
Louisiana	2.52	2.17	2.61	2.65	2.33	2.59	2.52	2.90
Maine	3.62	2.58	3.31	3.66	3.53	3.69	3.17	4.00
Maryland	2.93	2.44	2.79	2.90	2.89	3.02	3.20	3.17
Massachusetts	4.73	3.37	3.60	3.94	6.92	3.71	3.51	3.86
Michigan	3.05	3.19	3.41	2.84	2.90	3.43	3.04	3.16
Minnesota	2.90	2.46	2.44	2.94	2.78	2.97	2.92	3.32
Mississippi	2.55	2.11	2.72	2.61	2.44	2.62	2.59	2.92
Missouri	3.08	2.59	2.85	2.95	2.87	3.37	2.87	2.78
Montana	2.95	3.58	3.71	2.92	2.96	2.98	3.45	2.91
Nebraska	2.82	2.45	2.65	2.78	2.78	2.92	2.92	3.09
Nevada	2.51	2.19	2.42	2.66	2.36	2.57	2.37	2.40
New Hampshire	3.57	2.93	3.74	3.68	3.30	3.78	3.58	3.96
New Jersey	3.12	2.64	3.08	3.27	2.81	3.31	3.29	3.32
New Mexico	2.43	1.81	2.40	2.54	2.34	2.45	2.25	2.55
New York	2.98	2.65	3.06	3.15	2.75	3.06	3.01	3.34
North Carolina	2.98	2.18	2.58	3.01	2.83	3.09	2.88	3.22
North Dakota	3.03	3.20	3.41	3.01	2.97	3.11	3.28	3.06
Ohio	3.42	2.87	3.06	3.44	3.43	3.40	3.26	3.69
Oklahoma	2.45	2.10	2.05	2.44	2.41	2.50	2.22	2.38
Oregon	2.21	2.34	2.40	2.16	2.26	2.22	2.34	2.39
Pennsylvania	3.07	2.78	3.02	3.15	3.04	3.02	3.29	3.37
Rhode Island	3.34	3.33	3.60	3.34	3.12	3.57	3.82	3.67
South Carolina	3.26	2.69	3.24	3.11	3.27	3.39	3.23	3.56
South Dakota	3.05	2.98	3.06	3.12	2.98	3.07	3.10	3.29
Tennessee	2.91	2.35	2.58	3.00	2.81	2.95	2.89	3.20
Texas	3.23	2.87	3.14	3.09	3.16	3.40	3.09	3.48
Utah	3.02	4.17	3.71	3.49	2.89	2.94	4.09	3.00
Vermont	2.53	2.65	2.78	2.57	2.53	2.52	2.93	2.60
Virginia	3.17	2.13	2.76	3.10	3.18	3.24	2.91	3.32
Washington	2.12	1.77	1.94	2.06	2.11	2.18	1.90	2.16
West Virginia	2.94	1.92	3.19	2.93	2.88	3.03	3.24	3.36
Wisconsin	3.05	3.02	3.08	3.15	2.96	3.06	3.36	3.17
Wyoming	2.72	2.82	3.12	2.89	2.63	2.71	2.90	2.69
Total	3.05	2.75	2.95	3.06	3.00	3.10	3.01	3.17

See footnotes at end of table.

Table 23. Average City Gate Price by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	November 1992	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992
Alabama	3.44	3.91	3.67	3.65	3.16	3.28	3.01	2.80
Alaska .....	.33	.33	.33	.34	.33	.33	.33	.33
Arizona	2.69	2.64	2.42	2.43	2.70	2.31	1.57	1.98
Arkansas	2.71	2.49	2.41	2.38	2.41	2.53	2.43	2.38
California	2.91	2.92	2.80	2.82	2.73	2.59	2.47	2.88
Colorado	2.74	2.98	3.67	3.61	3.32	3.23	3.45	2.75
Connecticut	3.80	4.02	4.13	4.23	4.12	4.96	4.76	3.75
Delaware	3.93	3.74	2.74	1.78	2.72	2.90	2.59	2.55
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.19	3.16	2.64	2.58	2.41	2.37	2.29	2.39
Georgia	3.27	3.93	3.70	3.55	3.10	3.21	2.90	2.57
Hawaii	7.81	8.17	7.67	8.27	8.08	7.55	7.60	7.64
Idaho	1.79	2.37	2.47	3.61	2.52	2.57	2.55	1.94
Illinois	3.47	3.60	3.36	3.19	2.91	2.89	2.72	2.97
Indiana	3.33	3.69	3.03	3.52	2.97	3.16	2.71	2.57
Iowa	3.44	3.97	3.89	3.86	4.15	4.12	3.77	2.48
Kansas	2.79	2.33	2.31	2.49	2.30	2.07	2.32	2.28
Kentucky	3.28	3.53	2.76	2.74	2.57	2.98	2.89	2.89
Louisiana	2.87	3.30	2.82	2.67	2.38	2.31	2.49	2.33
Maine	3.41	3.45	2.80	4.19	2.72	2.82	2.66	2.44
Maryland	3.66	3.91	4.58	4.83	5.04	4.46	3.71	2.88
Massachusetts	3.95	3.88	3.40	3.24	3.35	3.77	3.66	2.91
Michigan	3.33	3.31	3.02	2.95	2.78	2.82	2.89	2.93
Minnesota	3.31	3.57	3.28	3.34	3.12	3.25	3.02	2.26
Mississippi	3.00	3.50	2.91	2.76	2.38	2.54	2.48	2.29
Missouri	3.15	3.57	3.51	3.40	2.93	3.19	2.84	2.60
Montana	3.01	3.19	3.85	4.38	4.80	4.51	4.03	3.63
Nebraska	3.15	3.55	3.47	3.23	3.18	3.28	3.09	2.47
Nevada	2.43	2.45	2.67	2.92	2.72	2.68	2.65	2.09
New Hampshire	4.02	3.70	3.16	3.83	3.27	3.62	3.31	2.92
New Jersey	4.32	3.95	3.97	3.38	3.40	3.17	3.19	2.66
New Mexico	2.66	2.99	2.30	2.13	2.09	2.48	2.09	2.40
New York	3.47	3.75	3.37	3.15	2.92	3.11	2.91	2.67
North Carolina	3.32	3.38	3.26	3.04	3.13	3.13	2.85	2.56
North Dakota	3.09	3.16	3.38	3.79	4.16	3.55	3.36	3.21
Ohio	3.57	3.84	3.60	3.71	3.72	3.43	3.35	2.96
Oklahoma	2.52	2.44	1.84	1.79	1.82	1.88	2.97	2.11
Oregon	2.36	2.35	2.27	2.41	2.25	2.14	2.59	2.22
Pennsylvania	3.61	3.82	4.20	4.32	3.92	4.01	3.62	3.06
Rhode Island	4.49	4.45	4.58	4.87	4.26	4.21	3.99	3.38
South Carolina	3.56	3.74	3.48	3.38	3.22	3.10	2.93	2.75
South Dakota	3.18	2.83	3.25	4.09	3.91	3.68	3.42	2.42
Tennessee	3.39	3.66	3.41	3.41	2.94	3.09	3.01	2.68
Texas	3.48	3.57	3.01	2.92	2.76	2.85	2.89	2.92
Utah	3.95	4.71	9.36	7.45	7.72	7.48	8.05	5.26
Vermont	2.86	2.95	4.06	4.17	3.25	3.25	3.04	2.76
Virginia	3.83	3.70	3.26	3.63	2.87	2.69	2.80	2.33
Washington	1.98	2.00	1.99	1.93	1.96	1.87	1.84	1.63
West Virginia	4.01	4.59	6.20	5.74	7.91	4.36	4.05	2.29
Wisconsin	3.48	3.97	4.47	4.94	4.76	3.84	3.45	3.12
Wyoming	2.55	2.66	3.01	3.32	3.36	3.63	3.43	3.23
Total	3.33	3.49	3.24	3.18	3.01	3.01	2.90	2.75

See footnotes at end of table.

Table 23. Average City Gate Price by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	March 1992	February 1992	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991
Alabama	2.68	3.06	3.16	3.11	3.37	2.86	3.05	2.94
Alaska .....	.34	.36	.36	.32	.28	.33	.33	.33
Arizona	2.12	2.08	2.34	2.45	2.52	2.29	2.39	2.38
Arkansas	2.62	2.61	2.87	2.45	2.37	2.42	2.38	2.32
California	2.37	2.56	2.87	2.80	3.25	2.78	2.80	2.76
Colorado	2.67	2.80	2.67	2.85	2.66	2.69	2.90	3.49
Connecticut	3.18	3.37	3.39	3.50	3.40	3.27	3.40	3.96
Delaware	2.62	1.81	3.01	2.54	2.83	3.08	2.62	2.46
District of Columbia	--	--	--	--	--	--	--	--
Florida	2.34	2.31	2.56	2.51	2.68	2.66	2.59	2.43
Georgia	2.61	3.79	3.27	3.38	3.36	3.38	3.11	2.97
Hawaii	7.40	7.22	7.53	8.74	8.93	8.64	9.12	8.75
Idaho	2.28	2.17	1.96	2.14	2.07	2.04	2.09	2.23
Illinois	2.71	2.99	3.52	2.91	3.36	2.99	2.85	2.66
Indiana	2.74	2.79	3.07	3.05	3.32	2.99	2.90	2.68
Iowa	2.72	2.58	2.64	2.73	2.86	2.76	2.94	2.86
Kansas	2.09	2.74	2.73	2.62	3.10	2.76	2.28	2.17
Kentucky	2.85	2.89	2.95	2.83	3.00	2.83	2.64	2.32
Louisiana	2.09	1.97	2.36	2.57	2.59	2.48	2.52	2.33
Maine	2.59	3.39	3.45	3.00	3.60	2.98	2.65	2.64
Maryland	2.45	2.41	2.74	3.05	3.04	3.09	3.47	4.36
Massachusetts	2.97	3.47	3.67	3.37	3.80	3.43	3.24	3.27
Michigan	3.19	3.11	3.21	3.08	3.02	3.13	3.15	3.28
Minnesota	2.47	2.30	2.68	2.63	2.95	2.54	2.70	2.83
Mississippi	2.12	2.08	2.42	2.55	2.70	2.55	2.60	2.31
Missouri	2.59	2.45	2.88	2.92	3.04	2.98	3.11	3.07
Montana	3.58	3.57	3.57	3.69	3.52	3.50	3.57	4.16
Nebraska	2.46	2.37	2.71	2.75	2.88	2.62	2.85	3.00
Nevada	2.20	2.13	2.20	2.33	2.26	2.19	2.11	2.33
New Hampshire	2.93	4.00	3.88	3.40	4.01	3.31	2.88	2.79
New Jersey	2.58	2.81	3.15	3.14	3.05	3.22	3.41	3.48
New Mexico	1.82	1.92	2.05	2.49	2.27	2.41	2.70	2.29
New York	2.57	2.49	2.88	2.92	3.14	2.90	3.02	3.09
North Carolina	2.18	2.37	2.77	2.69	2.91	2.61	2.61	2.78
North Dakota	3.20	3.34	3.44	3.49	3.42	3.33	3.47	3.98
Ohio	2.87	2.98	2.96	3.05	3.12	3.05	2.59	2.88
Oklahoma	2.06	2.07	2.17	2.04	2.15	2.37	2.29	1.79
Oregon	2.35	2.27	2.40	2.39	2.43	2.45	2.29	2.56
Pennsylvania	2.77	2.72	2.86	3.27	3.03	3.14	3.56	3.87
Rhode Island	3.06	3.40	3.52	3.68	3.60	3.88	3.95	3.67
South Carolina	2.70	2.99	3.24	2.95	3.34	3.05	3.55	3.01
South Dakota	2.98	2.86	2.95	3.11	3.15	2.83	3.13	3.56
Tennessee	2.36	2.26	2.47	2.73	2.72	3.02	2.96	3.06
Texas	2.87	2.89	2.98	2.88	3.10	3.00	2.91	2.60
Utah	4.17	3.54	3.26	3.89	3.04	3.91	4.13	5.50
Vermont	2.65	2.76	2.76	2.87	2.78	2.98	2.87	3.62
Virginia	2.14	2.34	2.93	2.76	3.04	2.90	2.83	2.58
Washington	1.80	1.77	1.76	1.91	2.10	2.00	1.97	1.87
West Virginia	1.93	2.80	3.14	3.58	4.18	3.15	3.45	4.25
Wisconsin	3.03	2.88	3.02	3.17	3.15	3.15	3.26	3.56
Wyoming	2.83	2.95	2.95	3.04	2.83	2.65	2.76	3.04
Total	2.62	2.71	2.90	2.90	3.05	2.92	2.92	2.91

NA = Not Available.

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, 1991-1993
(Dollars per Thousand Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	March 1993	February 1993	January 1993	Total 1992	December 1992
Alabama	6.38	6.18	6.55	6.15	6.49	6.53	6.65	6.37
Alaska	3.84	3.68	4.18	3.90	3.82	3.83	3.79	3.70
Arizona	6.49	6.53	6.36	6.68	6.50	6.36	7.17	6.54
Arkansas	4.93	4.63	4.52	5.04	5.02	4.77	5.06	4.72
California	6.06	5.99	6.27	5.87	6.02	6.20	5.95	5.78
Colorado	4.16	4.26	4.28	4.21	4.17	4.13	4.52	4.13
Connecticut	8.47	9.10	8.27	9.03	8.79	7.62	8.99	7.71
Delaware	6.04	5.59	5.58	6.01	6.05	6.09	6.14	6.22
District of Columbia	8.33	6.97	7.05	8.22	8.33	8.45	7.37	8.05
Florida	9.19	7.96	8.16	9.27	9.24	9.07	9.11	8.74
Georgia	6.29	6.25	6.35	6.17	6.18	6.51	6.40	6.11
Hawaii	17.10	17.84	24.35	17.20	16.50	17.62	18.03	18.05
Idaho	4.97	5.07	4.93	5.02	4.98	4.93	5.24	4.90
Illinois	5.00	4.59	4.89	4.88	5.02	5.08	5.09	5.14
Indiana	5.46	5.12	5.48	5.36	5.43	5.58	5.42	5.56
Iowa	5.08	4.50	4.38	5.27	4.89	5.11	5.22	5.29
Kansas	4.40	4.47	4.07	4.45	4.40	4.37	4.70	4.45
Kentucky	4.89	4.57	4.64	4.83	4.72	5.13	4.99	5.04
Louisiana	5.15	4.75	5.20	5.30	4.71	5.44	5.56	5.76
Maine	6.90	6.84	6.62	7.11	6.89	6.75	6.93	7.11
Maryland	6.65	5.79	5.80	6.43	6.66	6.88	6.38	6.94
Massachusetts	8.30	8.00	8.16	8.33	8.30	8.27	7.85	8.36
Michigan	4.43	4.65	4.85	4.46	4.42	4.43	4.88	4.57
Minnesota	5.04	4.31	4.27	5.03	4.95	5.13	4.82	5.18
Mississippi	4.53	4.35	5.06	4.36	4.44	4.80	4.70	4.95
Missouri	4.66	4.61	4.77	4.62	4.67	4.71	5.03	4.80
Montana	4.64	4.50	4.28	4.68	4.73	4.55	4.77	4.57
Nebraska	4.59	4.25	4.43	4.51	4.55	4.71	4.73	4.87
Nevada	5.06	5.17	5.22	5.23	5.06	4.96	5.59	5.03
New Hampshire	7.66	6.95	6.99	7.66	7.48	7.86	7.59	8.04
New Jersey	6.38	6.50	6.22	6.33	6.34	6.49	6.92	6.78
New Mexico	4.69	4.17	4.96	4.90	4.80	4.50	4.74	4.59
New York	7.42	6.99	6.92	7.30	7.34	7.64	7.60	7.72
North Carolina	6.47	6.04	5.66	6.08	6.58	6.76	6.48	6.56
North Dakota	4.78	4.65	4.48	4.84	4.82	4.71	5.00	4.85
Ohio	5.36	4.79	5.11	5.31	5.43	5.33	5.18	5.35
Oklahoma	4.55	4.53	4.34	4.52	4.58	4.57	4.96	4.58
Oregon	5.94	5.89	5.93	5.99	5.95	5.90	6.13	5.91
Pennsylvania	6.29	6.29	6.41	6.35	6.35	6.18	6.63	6.22
Rhode Island	7.66	7.33	7.15	7.67	7.64	7.69	7.68	7.62
South Carolina	7.27	7.17	6.83	6.79	7.31	7.73	7.12	7.02
South Dakota	5.11	4.69	4.65	5.15	5.06	5.14	5.11	5.26
Tennessee	5.50	5.16	4.86	5.28	5.83	5.45	5.42	5.33
Texas	5.35	5.16	5.25	5.32	5.50	5.26	5.78	5.26
Utah	5.12	5.47	5.50	5.15	5.08	5.14	5.46	5.23
Vermont	5.83	6.44	5.93	5.94	5.96	5.59	6.70	6.36
Virginia	7.05	6.16	6.43	6.80	7.18	7.16	6.71	7.17
Washington	4.70	4.64	4.27	4.80	4.76	4.59	5.00	4.60
West Virginia	5.96	6.03	6.22	5.97	5.93	6.00	6.51	7.93
Wisconsin	5.93	5.50	5.51	5.96	5.96	5.91	5.75	5.92
Wyoming	4.40	4.49	4.52	4.44	4.43	4.36	4.63	4.38
Total	5.69	5.51	5.56	5.67	5.71	5.70	5.86	5.71

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Residential Consumers by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	November 1992	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992
Alabama	7.30	8.30	8.87	8.99	8.88	7.94	6.93	6.19
Alaska	3.74	3.79	4.02	4.54	4.20	4.03	3.83	3.75
Arizona	7.59	9.19	9.63	9.87	9.53	9.02	8.52	7.43
Arkansas	5.29	6.38	6.84	6.81	6.45	6.15	5.52	4.96
California	5.58	6.33	6.27	6.19	6.25	6.26	5.97	5.50
Colorado	4.46	5.32	5.84	6.01	5.73	5.20	4.92	4.48
Connecticut	7.87	8.44	10.70	11.25	10.71	10.58	9.87	9.08
Delaware	6.44	7.20	8.05	8.08	7.94	7.39	6.51	5.98
District of Columbia	8.32	8.85	8.90	7.14	6.56	7.00	7.71	6.86
Florida	10.34	11.51	11.63	11.41	11.14	10.83	9.93	8.77
Georgia	6.33	7.64	3.87	8.38	8.30	7.88	6.96	6.29
Hawaii	18.42	18.60	18.46	18.52	18.19	17.71	18.04	17.07
Idaho	5.25	5.63	6.01	6.63	6.24	6.19	5.57	5.43
Illinois	5.42	5.60	6.37	6.87	6.91	6.45	5.52	4.68
Indiana	5.18	5.46	6.87	6.99	6.89	6.44	5.95	5.32
Iowa	5.62	6.90	7.66	7.88	7.56	6.71	5.67	4.68
Kansas	4.73	5.34	5.83	5.94	5.97	5.42	5.13	4.61
Kentucky	5.00	6.34	6.96	6.42	6.24	5.79	4.98	4.69
Louisiana	6.63	7.76	7.26	7.35	6.97	6.71	6.22	4.82
Maine	6.88	6.76	7.11	7.63	7.49	6.75	6.77	7.07
Maryland	6.76	7.37	8.73	8.45	8.11	7.52	6.21	5.36
Massachusetts	8.53	6.67	7.63	7.72	7.54	7.04	6.13	8.32
Michigan	4.81	5.21	6.24	6.49	6.36	5.82	5.10	4.73
Minnesota	5.41	6.02	5.91	5.96	5.54	5.49	4.84	4.33
Mississippi	5.51	5.84	5.28	5.37	5.13	4.99	5.11	4.35
Missouri	5.33	6.23	6.91	6.97	6.75	6.23	5.32	4.60
Montana	4.73	5.10	5.41	5.97	5.74	5.53	5.02	4.69
Nebraska	5.12	5.73	6.12	6.20	5.86	5.44	4.88	4.38
Nevada	5.68	6.76	7.06	7.37	6.89	6.81	6.41	5.68
New Hampshire	9.15	8.13	9.02	9.21	9.14	8.63	7.87	6.98
New Jersey	6.97	7.21	8.48	8.75	8.66	8.39	7.44	6.69
New Mexico	5.18	6.46	6.83	6.90	6.65	6.06	5.36	4.51
New York	8.74	8.68	9.99	10.35	9.77	8.76	7.45	6.84
North Carolina	6.96	7.52	9.78	9.94	9.37	7.92	6.60	5.48
North Dakota	4.98	5.64	6.26	6.75	6.33	6.04	5.21	4.78
Ohio	5.49	5.73	6.48	6.94	6.24	5.89	5.24	4.81
Oklahoma	4.84	6.17	6.74	6.87	6.62	6.32	5.90	4.98
Oregon	6.15	6.65	7.25	7.62	7.30	6.94	6.47	6.20
Pennsylvania	6.41	6.92	8.40	9.04	9.00	8.20	7.25	6.60
Rhode Island	7.86	8.28	9.01	9.53	8.75	8.45	7.78	7.46
South Carolina	7.56	7.33	8.64	8.81	8.56	7.84	6.83	6.41
South Dakota	5.33	6.05	6.32	6.62	6.27	6.00	4.61	4.75
Tennessee	5.92	6.27	7.01	7.12	6.80	6.37	5.71	5.18
Texas	6.00	7.19	7.35	7.48	7.28	7.02	6.85	6.03
Utah	5.17	5.37	5.89	5.98	5.88	5.82	5.50	5.52
Vermont	6.73	7.14	8.02	8.42	8.22	7.78	7.05	6.68
Virginia	7.12	8.01	9.93	9.25	9.06	7.92	6.68	5.68
Washington	4.94	5.57	6.34	7.04	7.17	6.24	5.46	5.00
West Virginia	8.38	6.76	8.17	8.77	8.68	7.54	6.66	6.18
Wisconsin	6.21	6.62	6.83	6.84	6.44	6.34	5.62	5.39
Wyoming	4.61	5.05	5.53	5.92	5.65	5.24	4.92	4.61
Total	5.99	6.19	7.11	7.40	7.23	6.82	6.14	5.61

See footnotes at end of table.

Table 24. Average Price of Natural Gas Delivered to Residential Consumers by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	March 1992	February 1992	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991
Alabama	6.64	5.96	6.14	7.05	6.34	6.71	8.06	8.82
Alaska	3.69	3.68	3.69	4.18	3.70	3.75	4.36	4.54
Arizona	6.84	6.47	6.39	6.99	6.50	7.34	9.22	9.33
Arkansas	4.81	4.59	4.57	4.98	4.79	4.88	6.21	6.31
California	5.74	6.01	6.13	6.27	6.21	5.92	6.46	6.48
Colorado	4.34	4.26	4.21	4.59	4.35	4.62	5.43	6.14
Connecticut	8.92	9.21	9.17	8.74	8.54	8.66	8.97	10.64
Delaware	5.80	5.52	5.50	5.86	5.49	5.99	6.86	7.42
District of Columbia	7.01	6.85	7.09	7.07	6.93	7.17	7.95	8.31
Florida	8.59	7.64	7.89	8.98	8.10	9.00	10.72	10.60
Georgia	6.25	6.51	6.08	6.70	6.21	5.98	7.65	8.21
Hawaii	17.48	17.92	18.12	22.93	22.63	23.11	22.73	23.05
Idaho	5.31	5.06	4.96	5.19	4.95	5.28	5.88	6.21
Illinois	4.33	4.76	4.66	4.95	4.51	4.48	4.90	5.50
Indiana	4.78	5.42	5.12	5.46	5.04	4.67	5.17	6.13
Iowa	4.44	4.31	4.73	4.81	4.81	4.77	5.49	6.92
Kansas	4.58	4.55	4.34	4.38	4.19	4.38	5.24	5.70
Kentucky	4.54	4.46	4.67	4.87	4.67	4.67	4.88	5.71
Louisiana	4.92	4.47	4.93	5.77	5.60	5.86	7.34	7.29
Maine	6.89	6.78	6.86	6.86	7.01	6.95	6.91	7.36
Maryland	5.62	5.85	5.87	6.16	5.94	5.93	6.54	7.55
Massachusetts	8.02	7.96	8.04	8.11	8.47	8.77	7.01	8.07
Michigan	4.67	4.66	4.64	5.07	4.69	4.87	5.41	6.29
Minnesota	4.16	4.14	4.57	4.52	4.70	4.71	4.97	5.06
Mississippi	4.27	4.32	4.44	5.21	4.83	4.99	5.35	5.48
Missouri	4.59	4.60	4.64	5.14	4.74	4.85	6.16	7.29
Montana	4.62	4.49	4.44	4.52	4.40	4.41	4.97	5.61
Nebraska	3.84	4.25	4.54	4.64	4.63	4.68	5.30	5.87
Nevada	5.29	5.18	5.10	5.61	5.19	5.77	6.95	7.16
New Hampshire	7.02	6.91	6.94	7.14	7.16	7.38	7.15	7.70
New Jersey	6.02	6.73	6.71	6.73	6.11	6.02	7.65	8.78
New Mexico	4.28	4.18	4.11	5.40	4.37	5.72	6.93	7.77
New York	6.94	6.88	7.15	7.35	7.14	7.44	8.03	8.90
North Carolina	5.96	5.86	6.27	6.24	6.57	6.06	7.02	8.89
North Dakota	4.69	4.62	4.67	4.82	4.75	4.88	5.59	6.50
Ohio	4.78	4.64	4.93	5.28	5.01	5.06	5.28	6.41
Oklahoma	4.80	4.45	4.44	4.72	4.54	4.52	6.02	6.30
Oregon	6.02	5.91	5.81	6.13	5.93	6.17	7.12	7.44
Pennsylvania	6.34	6.39	6.18	6.76	6.30	6.57	7.10	8.49
Rhode Island	7.36	7.33	7.33	7.63	7.47	7.76	8.26	9.18
South Carolina	7.61	7.04	7.04	6.98	6.88	6.58	7.36	8.45
South Dakota	4.57	4.56	4.91	4.94	5.00	4.92	5.45	6.09
Tennessee	5.46	5.21	4.96	5.19	5.11	5.13	5.88	6.64
Texas	5.56	5.05	5.05	5.71	5.24	5.43	6.67	7.22
Utah	5.66	5.45	5.40	5.44	4.85	5.35	5.69	6.18
Vermont	6.59	6.54	6.22	6.23	6.31	6.49	6.73	7.69
Virginia	5.74	6.31	6.34	6.80	6.49	6.45	7.73	8.24
Washington	4.81	4.67	4.52	4.68	4.49	4.68	5.65	6.37
West Virginia	6.12	6.00	6.01	6.50	5.97	6.27	6.95	8.30
Wisconsin	5.41	5.38	5.70	5.61	5.71	5.68	5.39	5.28
Wyoming	4.52	4.48	4.49	4.74	4.49	4.75	5.20	6.53
Total	5.48	5.53	5.53	5.82	5.51	5.51	6.20	6.92

R = Revised Data.

NA = Not Available.

Notes: Data for 1991 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, 1991-1993
(Dollars per Thousand Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	March 1993	February 1993	January 1993	Total 1992	December 1992
Alabama	5.83	5.46	5.87	5.69	5.89	5.92	5.60	5.86
Alaska	2.86	2.69	3.10	2.79	2.92	2.89	2.64	2.68
Arizona	5.07	5.17	4.99	5.10	5.05	5.08	5.17	5.12
Arkansas	4.28	4.27	4.22	4.32	4.33	4.20	4.35	4.33
California	6.13	6.00	6.20	6.19	5.43	6.93	5.14	5.72
Colorado	3.78	3.88	3.94	3.82	3.81	3.75	3.94	3.78
Connecticut	7.09	7.62	6.77	7.35	7.22	6.72	7.23	6.91
Delaware	5.13	4.74	4.83	5.11	5.12	5.17	4.92	5.16
District of Columbia	6.00	5.22	5.36	6.08	5.99	5.95	5.20	5.77
Florida	5.68	4.72	5.12	5.94	5.90	5.20	4.84	5.21
Georgia	5.64	5.71	5.82	5.23	5.79	5.92	5.47	5.57
Hawaii	12.78	13.28	14.76	12.79	12.40	13.17	13.34	13.57
Idaho	4.31	4.28	4.25	4.36	4.26	4.33	4.38	4.20
Illinois	4.80	4.40	4.58	4.65	4.83	4.91	4.67	4.91
Indiana	4.79	4.51	4.78	4.62	4.81	4.95	4.56	4.87
Iowa	4.43	3.85	3.86	4.64	4.18	4.49	4.23	4.55
Kansas	4.08	4.04	3.41	4.12	4.07	4.09	3.53	3.98
Kentucky	4.66	4.30	4.42	4.60	4.59	4.81	4.44	4.77
Louisiana	4.71	4.41	4.86	4.46	4.55	5.11	4.76	5.46
Maine	6.49	6.52	6.02	6.77	6.45	6.30	6.26	6.53
Maryland	5.73	4.99	5.16	5.57	5.77	5.85	5.18	5.84
Massachusetts	7.28	6.88	6.82	7.24	7.39	7.22	6.07	6.95
Michigan	4.28	4.49	4.63	4.27	4.27	4.32	4.57	4.42
Minnesota	4.45	3.72	3.77	4.43	4.32	4.60	4.13	4.99
Mississippi	4.05	3.84	4.49	3.97	3.93	4.25	3.92	4.41
Missouri	4.53	4.34	4.50	4.48	4.54	4.59	4.42	4.62
Montana	4.61	4.41	4.25	4.61	4.68	4.56	4.56	4.48
Nebraska	4.23	3.80	4.11	4.16	R 4.20	4.33	3.93	4.28
Nevada	4.29	4.28	4.33	4.30	4.31	4.28	4.32	4.26
New Hampshire	7.01	6.44	6.45	7.14	6.92	6.99	6.71	7.15
New Jersey	5.48	5.56	5.39	5.41	5.42	5.64	5.55	5.78
New Mexico	3.98	3.58	4.15	4.07	4.03	3.89	3.56	3.90
New York	5.88	5.50	5.69	5.74	5.79	6.12	5.65	6.04
North Carolina	5.49	4.68	4.58	5.31	5.51	5.86	4.83	5.46
North Dakota	4.56	4.32	4.19	4.61	4.54	4.55	4.52	4.59
Ohio	5.05	4.45	4.80	4.97	5.16	5.03	4.66	5.10
Oklahoma	4.52	4.22	3.95	4.48	4.53	4.55	4.28	4.52
Oregon	4.77	4.65	4.75	4.75	4.79	4.78	4.69	4.71
Pennsylvania	5.74	5.80	5.95	5.81	5.82	5.60	5.90	5.63
Rhode Island	7.02	6.93	6.80	6.94	6.94	7.21	6.58	6.94
South Carolina	6.08	5.70	5.88	5.85	6.12	6.26	5.48	5.90
South Dakota	4.34	3.91	4.01	4.34	4.24	4.44	4.18	4.43
Tennessee	5.18	4.98	4.74	5.03	5.13	5.41	5.00	5.49
Texas	4.62	4.38	4.22	4.34	4.75	4.73	4.23	4.78
Utah	4.22	4.58	4.53	4.23	4.19	4.26	4.46	4.33
Vermont	5.25	5.60	5.28	5.36	5.35	5.05	5.67	5.49
Virginia	5.52	4.85	5.15	5.27	5.61	5.69	4.86	5.59
Washington	4.32	4.15	3.96	4.33	4.36	4.28	4.20	3.75
West Virginia	5.55	5.74	5.89	5.56	5.55	5.55	5.96	5.80
Wisconsin	4.74	4.37	4.67	4.74	4.73	4.77	4.51	4.71
Wyoming	4.14	4.18	4.28	4.15	4.16	4.12	4.16	4.16
Total	5.10	4.89	4.92	5.06	5.08	5.17	4.87	5.11

See footnotes at end of table

Table 25. Average Price of Natural Gas Sold to Commercial Consumers by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	November 1992	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992
Alabama	6.04	6.13	6.06	6.08	5.97	5.64	5.54	5.32
Alaska	2.67	2.59	2.50	2.63	2.48	2.54	2.61	2.65
Arizona	5.25	5.29	4.87	5.29	5.08	5.38	5.77	5.33
Arkansas	4.47	4.73	4.55	4.62	4.36	4.29	4.25	4.43
California	5.44	4.53	4.20	4.40	4.39	3.91	3.77	5.92
Colorado	3.85	4.13	4.26	4.32	4.26	4.17	4.10	3.95
Connecticut	6.84	6.93	6.47	6.32	6.39	7.57	7.23	7.23
Delaware	5.05	5.05	5.14	5.12	5.14	5.12	4.99	4.87
District of Columbia	5.72	5.10	4.84	4.62	4.70	4.74	5.02	5.02
Florida	5.20	5.15	4.99	4.81	4.81	4.83	4.31	4.71
Georgia	5.98	5.93	2.74	5.48	5.46	5.48	5.29	5.23
Hawaii	13.71	13.63	13.67	13.44	13.24	12.95	13.34	12.57
Idaho	4.48	4.51	4.54	4.58	4.63	4.62	4.59	4.58
Illinois	4.96	4.92	5.31	5.34	5.52	5.98	4.83	4.05
Indiana	4.36	4.23	4.97	4.66	4.81	4.77	4.69	4.54
Iowa	4.51	5.28	4.99	4.96	4.54	4.55	4.20	3.83
Kansas	3.69	3.09	2.70	2.78	2.89	2.86	3.16	3.59
Kentucky	4.76	4.51	4.60	4.74	4.49	4.46	4.19	4.26
Louisiana	5.63	5.66	4.95	5.15	4.72	4.84	4.51	4.06
Maine	6.21	5.44	5.62	6.02	5.55	5.53	5.59	6.44
Maryland	5.68	5.52	5.49	5.32	5.26	4.97	4.75	4.59
Massachusetts	6.62	4.45	4.31	4.00	3.89	4.94	4.78	6.53
Michigan	4.56	4.82	5.32	5.39	5.33	5.03	4.63	4.45
Minnesota	4.60	4.87	4.38	4.31	3.95	4.19	3.98	3.70
Mississippi	4.37	4.44	3.82	3.68	3.53	3.62	3.81	3.65
Missouri	4.81	4.55	4.52	4.59	4.95	4.32	4.22	4.08
Montana	4.55	4.68	4.86	5.08	5.03	4.96	4.68	4.52
Nebraska	4.24	4.18	3.90	3.75	3.67	3.95	3.72	3.67
Nevada	4.31	4.37	4.42	4.45	4.37	4.41	4.40	4.33
New Hampshire	7.40	6.73	6.92	6.82	7.21	6.48	7.00	6.44
New Jersey	5.77	5.48	5.34	5.27	5.02	5.36	5.39	5.55
New Mexico	3.54	3.40	3.28	3.19	3.50	4.07	3.62	3.45
New York	6.38	5.61	5.52	5.78	5.71	6.02	5.72	5.26
North Carolina	5.39	4.81	4.96	4.87	4.92	4.84	4.53	4.19
North Dakota	4.68	4.89	4.96	5.15	5.00	4.92	4.57	4.32
Ohio	5.03	4.96	5.14	5.23	4.63	4.80	4.50	4.38
Oklahoma	4.29	4.16	4.17	4.11	4.12	4.38	4.35	4.40
Oregon	4.68	4.72	4.88	5.01	4.94	4.81	4.72	4.70
Pennsylvania	5.71	5.74	6.27	6.54	6.78	6.61	6.29	6.18
Rhode Island	7.57	7.36	5.09	5.08	5.32	5.71	5.76	7.20
South Carolina	5.96	5.21	5.26	5.22	5.24	5.22	4.97	5.26
South Dakota	4.44	4.83	4.61	4.61	4.39	4.03	4.18	3.81
Tennessee	5.32	5.21	5.13	5.21	4.82	4.86	4.73	4.73
Texas	4.69	4.25	4.16	3.70	3.57	4.06	3.94	3.97
Utah	4.26	4.10	4.29	4.39	4.42	4.44	4.29	4.46
Vermont	5.55	5.61	5.73	6.01	6.15	6.20	5.96	5.66
Virginia	5.20	5.35	5.00	5.02	4.99	4.45	4.15	4.21
Washington	4.32	4.44	4.49	4.58	4.52	4.51	4.37	4.28
West Virginia	5.97	6.29	7.47	7.59	7.55	7.03	6.30	5.87
Wisconsin	4.97	5.20	5.18	5.17	4.68	4.87	4.23	4.25
Wyoming	4.23	4.31	4.31	4.33	4.26	4.26	4.18	4.20
Total	5.11	4.90	4.69	4.72	4.63	4.72	4.59	4.78

See footnotes at end of table

Table 25. Average Price of Natural Gas Sold to Commercial Consumers by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	March 1992	February 1992	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991
Alabama	5.53	5.31	5.59	5.74	5.54	5.43	5.70	5.79
Alaska	2.70	2.70	2.68	2.89	2.64	2.60	2.85	2.77
Arizona	5.26	5.14	5.13	5.07	5.08	5.16	5.26	5.19
Arkansas	4.22	4.28	4.30	4.35	4.39	4.31	4.69	4.51
California	5.93	8.64	4.80	5.50	5.92	6.31	4.09	4.21
Colorado	3.91	3.88	3.86	4.04	3.97	4.04	4.25	4.44
Connecticut	7.23	7.79	7.80	6.90	7.10	6.83	6.92	8.12
Delaware	4.55	4.97	4.70	4.81	4.57	4.75	4.95	4.86
District of Columbia	5.08	5.38	5.21	5.17	5.15	5.21	5.08	5.06
Florida	4.67	4.71	4.79	4.92	5.09	5.17	5.14	4.69
Georgia	5.65	5.88	5.61	5.67	5.61	5.20	5.79	5.49
Hawaii	12.87	13.51	13.46	13.36	13.09	13.02	13.00	13.18
Idaho	4.35	4.29	4.25	4.42	4.31	4.63	4.66	4.61
Illinois	4.14	4.55	4.47	4.56	4.23	4.16	4.31	4.58
Indiana	4.08	4.84	4.57	4.61	4.44	3.99	4.12	4.29
Iowa	3.71	3.69	4.10	3.99	4.24	4.05	4.27	4.23
Kansas	4.00	4.14	3.98	3.32	4.25	2.78	3.30	3.11
Kentucky	4.15	4.26	4.42	4.44	4.42	4.34	4.16	4.19
Louisiana	4.26	4.27	4.67	4.90	5.05	4.84	5.42	5.05
Maine	6.44	6.82	6.33	6.02	6.36	6.12	5.51	5.81
Maryland	4.84	5.02	5.10	5.04	5.06	4.88	4.79	4.94
Massachusetts	6.78	6.93	6.94	6.17	7.10	6.73	4.81	4.88
Michigan	4.48	4.51	4.49	4.70	4.55	4.57	4.85	5.29
Minnesota	3.51	3.59	3.99	3.81	4.14	3.94	3.87	3.55
Mississippi	3.69	3.82	3.96	4.28	4.26	4.06	3.93	3.81
Missouri	4.26	4.36	4.39	4.50	4.41	4.32	4.65	4.68
Montana	4.45	4.40	4.41	4.35	4.38	4.35	4.40	4.66
Nebraska	3.47	3.75	4.09	3.87	4.08	4.06	3.97	3.70
Nevada	4.26	4.29	4.30	4.34	4.30	4.40	4.38	4.49
New Hampshire	6.46	6.43	6.44	6.35	6.53	6.59	5.93	5.91
New Jersey	5.08	5.75	5.82	5.21	4.84	4.75	4.93	4.84
New Mexico	3.67	3.70	3.43	4.15	3.60	4.11	4.43	4.43
New York	5.20	5.58	5.71	5.47	5.62	5.41	5.31	5.14
North Carolina	4.36	4.60	5.01	4.53	5.02	4.60	4.01	4.36
North Dakota	4.26	4.30	4.40	4.34	4.46	4.52	4.70	4.73
Ohio	4.35	4.35	4.63	4.76	4.67	4.61	4.57	4.65
Oklahoma	4.38	4.20	4.15	3.91	3.92	3.94	3.87	3.87
Oregon	4.67	4.65	4.65	4.75	4.67	4.67	4.86	4.96
Pennsylvania	5.81	5.90	5.71	6.00	5.73	5.76	5.94	6.38
Rhode Island	6.74	7.05	7.01	6.02	6.60	7.26	5.47	4.22
South Carolina	5.75	5.71	5.66	5.56	5.58	5.34	5.16	5.28
South Dakota	3.69	3.84	4.14	4.04	4.21	4.09	4.10	4.11
Tennessee	4.88	4.95	5.10	4.76	4.83	4.74	4.57	4.73
Texas	4.26	4.33	4.52	4.01	4.26	4.25	4.05	4.07
Utah	4.75	4.56	4.53	4.50	4.56	4.38	4.37	4.58
Vermont	5.82	5.69	5.53	5.24	5.30	5.10	4.97	5.14
Virginia	4.39	5.04	5.06	4.85	5.04	4.92	4.56	4.05
Washington	4.18	4.17	4.13	4.06	4.11	4.11	4.22	4.19
West Virginia	5.79	5.71	5.75	6.11	5.73	5.70	6.49	7.18
Wisconsin	4.28	4.25	4.58	4.62	4.71	4.56	4.32	4.09
Wyoming	4.17	4.17	4.21	4.31	4.25	4.42	4.45	4.81
Total	4.77	5.04	4.85	4.81	4.84	4.71	4.58	4.57

R = Revised Data.

NA = Not Available.

Notes: Data for 1991 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, 1991-1993
(Dollars per Thousand Cubic Feet)

State	YTD 1993	YTD 1992	YTD 1991	March 1993	February 1993	January 1993	Total 1992	December 1992
Alabama	3.47	2.86	3.24	3.47	3.38	3.58	3.01	3.54
Alaska	1.35	1.19	1.16	1.35	1.35	1.35	1.18	1.19
Arizona	3.97	4.15	3.39	3.97	3.98	3.97	4.14	4.11
Arkansas	3.25	3.19	3.18	3.22	3.31	3.24	R 3.12	3.23
California	3.88	4.42	4.30	3.31	3.77	4.85	3.66	3.83
Colorado	2.35	2.38	2.34	2.27	2.27	2.49	2.24	2.36
Connecticut	4.99	5.39	5.27	4.96	5.01	5.04	4.79	4.92
Delaware	3.26	3.07	3.44	3.26	3.22	3.32	3.20	3.54
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.64	3.18	3.17	3.82	3.64	3.48	3.21	3.50
Georgia	3.95	3.55	3.89	3.99	3.79	4.12	3.41	4.36
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	2.98	--	--	--	--	--
Illinois	4.16	3.84	4.16	4.23	4.15	4.12	3.73	4.14
Indiana	3.57	3.62	4.06	3.41	3.48	3.86	3.30	4.09
Iowa	3.70	3.15	2.74	3.85	3.47	3.84	3.47	3.76
Kansas	2.78	2.57	2.71	2.84	2.65	2.87	2.60	3.03
Kentucky	3.91	3.58	3.65	3.76	3.83	4.23	3.29	4.30
Louisiana	2.07	1.59	1.90	1.96	1.96	2.27	R 1.91	2.49
Maine	5.19	4.94	4.91	5.49	5.40	4.76	4.14	4.97
Maryland	3.71	3.28	3.62	3.96	3.88	3.25	3.54	4.13
Massachusetts	6.47	6.05	5.72	6.44	6.62	6.38	4.33	5.83
Michigan	4.02	4.17	4.02	4.02	4.02	4.04	4.13	4.08
Minnesota	3.23	2.88	2.84	3.03	3.33	3.33	3.06	3.36
Mississippi	2.75	2.26	2.51	2.76	2.71	2.80	2.53	3.06
Missouri	4.22	3.90	4.37	4.16	4.27	4.26	3.82	4.45
Montana	3.87	3.28	3.41	3.81	3.81	3.99	3.53	3.93
Nebraska	3.10	2.56	3.01	2.97	R 3.04	R 3.24	2.78	3.28
Nevada	3.83	4.21	4.12	3.80	4.09	3.69	4.02	3.80
New Hampshire	5.87	5.35	5.38	6.06	5.91	5.66	4.56	5.67
New Jersey	3.81	3.83	4.43	3.83	3.70	3.91	3.43	4.39
New Mexico	3.76	3.32	4.00	4.01	3.78	3.67	3.04	3.56
New York	5.71	5.27	5.14	5.60	5.64	5.93	5.31	5.69
North Carolina	4.07	3.14	3.50	3.87	4.14	4.22	3.35	4.20
North Dakota	3.29	3.10	3.27	3.28	3.23	3.37	3.27	3.47
Ohio	4.68	4.00	4.30	4.52	4.72	4.85	4.15	4.71
Oklahoma	2.13	1.87	1.75	2.12	2.09	2.19	1.99	2.07
Oregon	3.55	3.33	3.41	3.54	3.54	3.59	3.34	3.56
Pennsylvania	3.84	4.03	4.27	3.78	3.91	3.84	3.88	4.02
Rhode Island	6.18	6.07	6.51	6.08	6.09	6.40	4.68	5.88
South Carolina	3.40	2.96	3.48	3.25	3.46	3.53	2.95	3.75
South Dakota	3.40	3.36	3.39	3.46	3.35	3.42	R 3.55	3.37
Tennessee	3.65	3.02	3.37	3.57	3.54	3.85	3.20	3.98
Texas	2.20	1.76	1.99	2.23	2.06	2.31	2.07	2.54
Utah	3.27	4.62	4.01	3.27	3.24	3.31	3.95	3.64
Vermont	3.67	2.90	3.53	3.54	3.67	3.81	3.28	3.81
Virginia	4.65	4.27	4.47	4.60	4.57	4.87	4.02	5.04
Washington	2.93	2.80	2.97	2.89	2.92	2.99	2.78	2.58
West Virginia	2.94	3.28	3.76	2.68	3.11	3.04	R 3.07	2.83
Wisconsin	3.88	3.66	3.29	3.85	3.83	3.97	3.81	4.18
Wyoming	2.81	2.64	2.98	2.81	2.74	2.88	2.68	2.67
Total	3.15	2.81	3.00	3.09	3.12	R 3.25	2.81	3.34

See footnotes at end of table.

Table 26. Average Price of Natural Gas Sold to Industrial Consumers by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	November 1992	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992
Alabama	3.50	3.57	3.15	3.10	2.64	2.73	2.82	2.76
Alaska	1.17	1.17	1.17	1.16	1.17	1.16	1.16	1.16
Arizona	4.21	4.11	4.21	4.14	4.21	4.23	4.16	4.11
Arkansas	3.31	3.23	3.05	3.02	2.99	2.86	2.92	3.07
California	3.12	3.46	3.48	3.29	3.49	3.40	3.04	3.99
Colorado	2.33	2.38	1.66	2.34	1.91	2.22	2.35	2.33
Connecticut	4.73	4.52	3.99	4.15	4.21	4.40	4.59	4.81
Delaware	3.42	3.63	3.17	3.12	2.93	3.10	2.90	2.98
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.59	3.89	3.27	3.15	2.96	2.80	2.96	3.06
Georgia	4.21	4.30	2.86	3.29	3.14	3.13	2.96	2.80
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Illinois	3.79	3.21	3.17	3.84	3.68	4.06	3.57	3.67
Indiana	3.44	2.95	3.29	2.78	2.99	2.94	2.90	3.26
Iowa	3.75	4.18	3.67	3.41	3.15	3.60	3.09	3.07
Kansas	2.87	2.87	2.71	2.58	2.41	2.40	2.32	2.33
Kentucky	4.07	3.23	3.17	3.20	2.86	2.87	2.90	3.24
Louisiana	2.65	R 2.64	2.15	1.94	1.82	1.80	R 1.70	R 1.51
Maine	4.50	3.88	3.55	3.49	3.36	3.65	3.43	3.93
Maryland	3.75	3.65	3.37	3.80	3.77	3.77	3.96	3.00
Massachusetts	5.38	3.57	3.26	3.19	3.58	3.04	3.68	4.10
Michigan	4.13	4.20	4.38	4.22	4.06	4.14	3.99	4.11
Minnesota	3.54	3.60	3.23	3.04	2.89	2.88	2.72	2.60
Mississippi	3.10	3.37	2.65	2.58	2.23	2.42	2.32	2.20
Missouri	4.46	3.46	3.81	3.45	3.42	3.57	3.61	3.38
Montana	4.05	4.04	3.92	3.66	3.54	3.46	3.37	3.25
Nebraska	3.33	3.54	2.93	3.13	2.79	2.54	2.39	2.33
Nevada	4.07	3.95	4.21	3.37	4.28	4.04	4.11	4.07
New Hampshire	5.40	4.27	3.68	3.53	3.71	3.73	4.77	4.15
New Jersey	3.46	3.29	3.05	2.85	2.97	2.96	2.98	3.43
New Mexico	3.11	2.96	2.60	2.69	2.98	2.81	2.59	2.94
New York	5.76	5.06	4.82	5.38	4.96	5.16	5.32	5.23
North Carolina	4.09	3.58	3.42	3.21	3.14	3.10	2.90	2.88
North Dakota	3.74	3.71	3.43	3.27	3.19	3.13	3.06	2.86
Ohio	4.65	4.15	4.32	4.15	4.46	3.84	3.88	3.82
Oklahoma	2.15	2.27	2.01	1.94	1.98	1.83	1.79	1.96
Oregon	3.45	3.41	3.29	3.28	3.29	3.31	3.27	3.26
Pennsylvania	3.72	3.68	3.72	3.78	3.99	4.37	4.21	4.00
Rhode Island	6.45	4.37	R 3.76	3.30	4.08	3.83	3.84	4.10
South Carolina	3.50	3.48	3.07	2.96	2.70	2.74	2.59	2.55
South Dakota	3.58	4.54	3.99	R 4.05	3.04	R 3.75	3.41	3.22
Tennessee	3.86	3.73	3.56	3.21	2.92	3.14	2.99	2.87
Texas	2.49	2.88	2.25	2.19	1.88	1.91	1.84	1.74
Utah	3.70	3.40	3.59	3.62	3.69	3.78	3.77	3.70
Vermont	3.75	3.56	3.56	3.57	3.32	3.22	3.09	2.97
Virginia	3.94	5.02	3.91	4.25	4.15	2.96	3.12	3.67
Washington	3.00	3.23	2.84	2.60	2.61	2.70	2.73	2.69
West Virginia	3.54	3.04	R 3.69	2.93	R 3.74	2.96	R 3.47	2.78
Wisconsin	4.40	4.59	3.94	3.68	3.52	3.49	3.40	3.38
Wyoming	2.70	2.81	2.86	2.80	2.81	2.68	2.59	2.60
Total	3.24	R 2.98	R 2.78	2.67	2.50	2.52	R 2.44	R 2.53

See footnotes at end of table.

Table 26. Average Price of Natural Gas Sold to Industrial Consumers by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)

State	March 1992	February 1992	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991
Alabama	2.63	2.80	3.22	3.00	3.42	3.05	3.06	2.80
Alaska	1.19	1.20	1.20	1.18	1.17	1.20	1.19	1.12
Arizona	4.24	4.09	4.14	3.51	4.05	4.06	4.12	3.38
Arkansas	3.11	3.24	3.24	3.06	3.15	3.19	3.05	2.92
California	4.27	4.42	4.56	3.96	4.71	3.92	3.42	3.76
Colorado	2.33	2.34	2.48	2.34	2.63	2.46	2.39	2.43
Connecticut	5.25	5.47	5.47	4.84	5.33	4.98	4.53	4.58
Delaware	2.97	3.04	3.20	3.09	3.28	3.22	3.04	3.00
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.21	3.16	3.18	3.11	3.41	2.45	4.39	2.81
Georgia	3.21	3.65	3.81	3.34	3.85	3.56	3.54	2.87
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	2.94	2.93	2.95	2.92	2.87
Illinois	3.64	4.03	3.83	3.77	3.47	3.21	3.37	3.38
Indiana	3.30	3.77	3.78	3.53	3.73	3.19	3.12	2.98
Iowa	3.07	2.98	3.36	2.65	3.50	3.21	3.50	2.19
Kansas	2.36	2.61	2.73	2.67	2.73	2.91	2.80	2.73
Kentucky	3.35	3.66	3.66	3.23	3.49	3.33	2.60	2.58
Louisiana	R 1.35	R 1.46	R 1.98	1.74	2.10	2.00	1.87	1.56
Maine	3.88	5.92	5.41	4.69	5.14	4.43	7.84	3.61
Maryland	3.11	3.41	3.33	3.51	3.45	3.75	3.45	3.11
Massachusetts	5.61	6.38	6.20	3.99	5.18	4.72	3.31	3.17
Michigan	4.03	4.26	4.21	4.00	3.92	3.87	3.98	4.02
Minnesota	2.53	2.96	3.10	2.78	2.99	2.90	2.80	2.66
Mississippi	2.12	2.14	2.54	2.35	2.65	2.49	2.44	2.18
Missouri	3.62	3.89	4.14	4.08	4.05	3.82	3.81	3.73
Montana	3.26	3.17	3.41	3.22	3.79	3.66	2.99	3.02
Nebraska	2.18	2.51	2.96	2.76	3.13	2.99	2.76	2.48
Nevada	4.09	4.27	4.28	4.21	4.36	4.08	4.12	4.50
New Hampshire	5.02	5.52	5.51	4.31	5.24	4.67	3.99	3.35
New Jersey	3.44	4.05	4.00	3.65	3.98	3.41	3.19	2.61
New Mexico	3.17	3.30	3.38	3.53	3.32	3.62	3.52	3.43
New York	4.97	5.50	5.31	4.72	4.87	4.56	4.66	4.21
North Carolina	2.86	3.00	3.59	3.24	3.57	3.38	2.83	2.71
North Dakota	2.82	3.08	3.36	3.19	3.37	3.31	3.13	3.04
Ohio	3.79	3.89	4.28	4.09	4.15	3.98	3.59	3.66
Oklahoma	1.86	2.00	1.81	1.69	1.75	1.83	1.74	1.62
Oregon	3.29	3.32	3.39	3.41	3.44	3.47	3.30	3.43
Pennsylvania	4.02	4.14	3.97	4.02	3.86	3.67	3.88	4.17
Rhode Island	5.59	6.42	6.35	5.40	6.24	5.44	4.75	4.58
South Carolina	2.74	2.88	3.26	2.95	3.31	3.11	2.82	2.55
South Dakota	3.19	3.25	3.61	3.31	3.74	3.74	3.34	3.09
Tennessee	2.84	2.88	3.34	3.22	3.46	3.34	4.03	2.61
Texas	1.63	1.58	2.06	1.93	2.33	2.16	2.13	1.87
Utah	4.06	6.16	3.80	3.69	3.78	3.73	3.46	3.39
Vermont	2.76	2.88	3.09	2.99	3.08	2.86	2.74	2.73
Virginia	3.96	4.38	4.47	3.81	3.86	3.98	3.63	3.35
Washington	2.72	2.69	2.98	2.79	2.97	2.76	2.65	2.79
West Virginia	R 3.54	3.40	3.04	2.95	3.76	3.39	2.94	2.78
Wisconsin	3.51	3.52	3.93	3.16	3.62	3.38	3.08	2.62
Wyoming	2.64	2.63	2.67	3.03	3.05	2.94	3.00	3.42
Total	2.58	R 2.79	R 3.05	2.69	3.09	2.84	2.69	2.40

R = Revised Data.

NA = Not Available.

-- = Not Applicable.

Notes: Data for 1991 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, 1991-1993
(Dollars per Thousand Cubic Feet)**

State	YTD 1993	YTD 1992	YTD 1991	February 1993	January 1993	Total 1992	December 1992	November 1992
Alabama	1.74	1.87	2.13	2.29	2.59	2.28	2.88	2.79
Alaska .....	.43	.60	.54	.64	.64	.57	.56	.56
Arizona	1.26	2.13	2.05	3.12	3.81	2.28	3.99	3.47
Arkansas	1.03	1.34	1.47	1.38	1.64	1.57	1.35	1.15
California	2.14	2.65	3.24	3.02	3.29	2.81	3.24	3.28
Colorado	1.56	2.04	2.37	2.33	2.51	2.14	2.49	2.45
Connecticut	3.61	2.74	4.66	3.50	6.86	2.74	6.11	7.15
Delaware	1.78	2.70	2.63	4.38	3.65	2.70	5.40	4.69
District of Columbia	--	--	--	--	--	--	--	--
Florida	1.44	1.82	2.21	2.23	2.27	2.30	2.32	2.65
Georgia	2.63	3.24	3.41	3.51	3.90	2.89	4.38	4.05
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Illinois	1.97	2.03	2.91	3.08	2.99	2.24	3.11	3.05
Indiana	2.05	2.37	2.58	2.94	2.87	2.48	2.81	3.21
Iowa	2.24	2.61	3.01	3.34	3.37	3.08	3.42	3.37
Kansas	1.43	1.91	2.01	2.42	2.40	1.93	2.42	2.22
Kentucky	1.96	2.63	2.80	2.74	2.99	2.77	3.12	3.24
Louisiana	1.31	1.46	1.62	2.10	2.35	1.91	2.35	2.51
Maine	--	--	--	--	--	--	--	--
Maryland	1.51	2.80	2.91	2.86	3.14	2.66	4.07	3.79
Massachusetts .....	.27	2.75	3.26	3.25	3.51	2.68	3.70	3.27
Michigan .....	.55	.77	.36	.85	.68	.81	.64	.67
Minnesota	1.77	1.75	1.75	2.52	2.81	1.85	2.74	2.52
Mississippi	1.16	1.54	1.86	1.98	2.06	1.83	2.34	2.46
Missouri	1.36	2.50	1.73	2.42	2.62	1.89	2.75	2.61
Montana	2.09	7.11	3.13	2.78	7.62	3.30	2.44	2.38
Nebraska	1.61	2.32	2.19	2.61	2.68	2.28	2.84	2.32
Nevada	1.22	1.59	2.04	3.11	3.17	1.91	3.12	2.44
New Hampshire	--	--	--	--	--	2.21	--	--
New Jersey	1.28	1.92	2.72	2.35	2.66	2.18	3.09	2.98
New Mexico	1.16	1.78	1.78	2.06	2.35	1.99	2.40	2.45
New York	1.73	2.42	2.80	2.66	3.02	2.48	3.21	3.12
North Carolina	2.99	2.75	3.30	4.11	4.16	2.96	4.15	4.10
North Dakota	--	.15	--	--	--	4.18	4.46	--
Ohio	1.76	2.42	2.60	2.64	2.79	2.31	2.59	4.17
Oklahoma	2.15	3.33	3.25	3.37	3.31	3.20	3.25	3.76
Oregon	1.43	1.67	1.92	1.99	2.96	1.94	2.44	2.15
Pennsylvania	1.52	2.99	3.17	2.41	2.47	3.06	3.51	5.19
Rhode Island	--	1.85	1.89	--	--	2.20	--	--
South Carolina	1.28	1.50	1.98	3.61	3.78	1.73	3.72	3.33
South Dakota	--	1.64	--	--	--	2.88	2.95	2.92
Tennessee	--	--	--	--	--	--	--	--
Texas	1.48	2.03	2.15	2.32	2.46	2.26	2.67	2.69
Utah	1.25	1.84	1.82	1.87	2.03	1.87	2.27	1.80
Vermont	2.25	1.78	--	3.80	3.30	2.00	3.14	3.02
Virginia	1.94	2.51	3.07	3.10	2.57	2.49	2.70	.48
Washington	1.96	3.34	4.02	3.73	3.70	3.31	4.54	4.57
West Virginia	1.16	3.66	4.00	--	4.04	3.53	3.51	3.27
Wisconsin	1.36	2.28	2.93	2.68	3.22	2.43	3.41	3.33
Wyoming	1.82	3.49	3.23	3.21	3.25	3.33	3.29	3.22
Total	1.64	2.15	2.41	2.55	2.70	2.37	2.81	2.67

See footnotes at end of table.

**Table 27. Average Price of Natural Gas Delivered to Electric Utility^a
Consumers by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)**

State	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992	April 1992	March 1992
Alabama	3.20	2.43	2.36	1.98	2.15	2.05	1.86	1.70
Alaska .....	.56	.57	.54	.55	.57	.56	.56	.59
Arizona	2.40	2.40	2.40	2.21	2.27	2.14	1.81	2.02
Arkansas	2.18	1.85	1.85	1.64	1.50	1.52	1.44	1.36
California	3.41	2.93	2.73	2.57	2.39	2.39	2.50	2.36
Colorado	2.50	1.94	1.80	1.98	1.84	1.98	2.02	1.81
Connecticut	6.29	6.31	2.82	2.58	2.27	2.57	2.25	2.23
Delaware	4.31	3.32	2.68	2.22	2.47	2.86	2.35	2.68
District of Columbia	--	--	--	--	--	--	--	--
Florida	2.88	2.59	2.51	2.41	2.41	2.29	2.01	1.82
Georgia	4.32	2.30	2.75	2.83	2.61	2.99	2.80	3.18
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Illinois	2.93	2.39	2.43	2.37	2.29	2.07	2.03	1.69
Indiana	3.14	3.00	2.57	2.31	2.30	2.11	2.44	2.18
Iowa	3.77	3.51	3.32	2.80	3.01	2.93	2.76	2.56
Kansas	2.14	1.99	1.98	1.82	1.98	1.67	1.73	1.87
Kentucky	3.38	2.67	2.59	2.46	2.60	2.71	2.67	2.57
Louisiana	2.73	2.16	2.04	1.72	1.90	1.78	1.56	1.36
Maine	--	--	--	--	--	--	--	--
Maryland	3.78	2.82	2.73	2.33	2.45	2.15	2.38	2.57
Massachusetts	3.43	2.81	2.67	2.59	2.37	2.17	2.19	2.39
Michigan .....	.56	1.28	.51	.63	.81	1.34	.93	.71
Minnesota	3.35	1.89	1.81	1.76	1.64	1.54	1.62	1.53
Mississippi	2.66	2.22	2.10	1.87	1.97	1.72	1.65	1.49
Missouri	2.13	2.31	2.17	1.49	1.94	2.12	1.60	2.89
Montana	9.41	3.76	2.93	2.19	2.48	3.04	1.40	6.28
Nebraska	2.46	2.27	2.50	2.12	2.10	2.31	1.54	2.02
Nevada	2.55	1.87	2.25	1.86	1.95	1.59	1.43	1.53
New Hampshire	--	2.20	2.25	--	--	--	--	--
New Jersey	2.92	2.42	2.35	2.02	2.23	2.26	1.84	1.73
New Mexico	2.67	2.30	2.11	1.71	1.77	1.72	1.61	1.64
New York	3.22	2.55	2.39	2.06	2.30	2.28	2.19	2.27
North Carolina	3.22	3.15	2.83	2.78	2.83	2.52	2.53	2.69
North Dakota	--	4.05	4.30	4.03	--	--	--	4.28
Ohio	2.66	1.97	2.01	2.11	2.14	2.06	2.08	2.48
Oklahoma	4.11	3.29	3.19	2.92	3.08	2.72	2.74	2.92
Oregon	2.18	2.05	1.99	1.72	1.88	--	--	--
Pennsylvania	4.07	3.49	3.20	2.34	2.73	3.16	2.90	2.91
Rhode Island	--	2.84	2.45	2.45	2.27	2.13	2.04	1.86
South Carolina	3.30	2.74	2.46	1.91	1.71	2.56	3.15	1.46
South Dakota	4.04	--	2.61	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--	--
Texas	2.90	2.34	2.30	2.05	2.06	2.03	1.99	1.94
Utah	1.99	1.98	1.92	1.76	1.74	1.67	1.82	1.83
Vermont	2.18	2.24	2.16	2.09	1.94	1.77	1.74	1.63
Virginia	5.05	2.20	3.10	2.18	2.65	2.56	2.32	2.22
Washington	5.97	3.32	2.94	2.95	3.31	3.57	7.71	4.18
West Virginia	3.34	4.27	3.40	5.36	3.26	1.21	--	3.66
Wisconsin	3.47	2.80	2.30	2.21	2.06	2.01	1.94	1.94
Wyoming	3.21	3.19	3.22	3.22	3.31	3.37	3.36	3.48
Total	3.04	2.51	2.42	2.15	2.18	2.11	2.07	1.99

See footnotes at end of table.

**Table 27. Average Price of Natural Gas Delivered to Electric Utility^a
Consumers by State, 1991-1993 (Continued)
(Dollars per Thousand Cubic Feet)**

State	February 1992	January 1992	Total 1991	December 1991	November 1991	October 1991	September 1991	August 1991
Alabama	1.62	2.28	1.91	2.57	2.28	2.23	1.85	1.47
Alaska .....	.60	.62	.53	.54	.53	.52	.57	.50
Arizona	2.09	2.35	2.06	3.39	2.57	2.17	2.14	1.88
Arkansas	1.33	1.33	1.44	1.29	1.29	1.75	1.49	1.41
California	2.41	3.22	2.95	3.36	3.04	2.71	2.71	2.58
Colorado	2.26	2.20	2.14	2.34	2.10	2.08	2.10	1.87
Connecticut	6.29	6.30	2.16	5.45	5.17	2.27	2.14	2.10
Delaware	2.63	2.80	2.49	3.08	3.09	2.44	2.57	2.30
District of Columbia	--	--	--	--	--	--	--	--
Florida	1.74	1.93	2.17	2.33	2.34	2.25	2.13	2.04
Georgia	3.19	3.64	2.83	3.08	2.86	3.19	2.74	2.78
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Illinois	2.10	2.64	2.14	2.59	2.44	2.26	1.94	1.61
Indiana	2.19	2.63	2.38	2.61	2.84	2.75	2.30	2.15
Iowa	2.35	3.23	2.70	3.31	3.04	3.16	2.74	2.21
Kansas	1.85	2.02	1.65	2.09	1.85	1.75	1.34	1.49
Kentucky	2.32	2.80	2.65	2.75	2.75	2.48	2.35	2.15
Louisiana	1.31	1.75	1.59	1.86	1.88	1.87	1.61	1.44
Maine	--	--	--	--	--	--	--	--
Maryland	2.75	3.44	2.36	3.49	3.07	2.43	2.36	2.21
Massachusetts	3.98	4.48	2.27	3.91	2.50	2.46	2.31	2.03
Michigan .....	.94	.66	.76	.91	.74	.68	.93	.93
Minnesota	1.65	2.29	1.71	2.36	2.27	2.04	1.77	1.56
Mississippi	1.33	2.06	1.61	2.08	2.07	1.90	1.63	1.47
Missouri	1.72	2.89	1.51	2.66	3.05	1.88	1.45	1.43
Montana	8.22	7.35	4.33	4.58	5.75	4.97	6.17	3.11
Nebraska	2.58	2.80	1.85	2.21	1.97	1.88	1.90	1.76
Nevada	1.45	1.94	1.78	2.16	2.01	1.98	1.68	1.66
New Hampshire	--	--	--	--	--	--	--	--
New Jersey	2.22	2.83	2.02	2.80	2.61	2.20	1.92	1.81
New Mexico	1.54	2.09	1.73	2.29	2.09	1.91	1.78	1.53
New York	2.37	2.82	2.30	3.13	2.84	2.44	2.12	1.91
North Carolina	2.68	2.86	2.76	2.83	2.66	3.06	2.60	2.58
North Dakota	--	--	4.36	--	4.19	--	--	--
Ohio	2.31	2.46	2.19	2.54	2.84	2.30	2.12	1.94
Oklahoma	3.35	3.83	2.98	3.65	2.56	3.33	2.80	2.80
Oregon	1.53	1.81	1.59	1.94	1.71	1.64	1.48	1.35
Pennsylvania	3.07	3.05	3.05	3.23	3.93	3.80	2.96	3.17
Rhode Island	--	--	2.04	--	2.43	2.33	2.16	1.95
South Carolina	3.29	3.45	1.53	2.44	2.92	3.19	1.69	1.47
South Dakota	--	2.60	1.77	--	--	--	2.42	1.68
Tennessee	--	--	--	--	--	--	--	--
Texas	1.92	2.23	2.03	2.43	2.29	2.26	2.14	1.91
Utah	1.88	1.82	1.72	1.85	1.80	1.77	1.68	1.81
Vermont	2.57	2.85	1.72	2.38	1.93	1.83	1.69	1.69
Virginia	2.56	2.69	1.90	2.29	2.41	2.03	1.95	1.85
Washington	3.13	3.01	4.02	4.02	4.02	4.02	4.02	4.02
West Virginia	3.89	3.60	3.63	3.72	3.53	3.24	6.96	4.32
Wisconsin	2.72	2.89	2.72	3.21	3.09	3.06	2.72	2.14
Wyoming	3.49	3.51	3.51	3.54	3.55	3.54	3.37	3.39
Total	2.03	2.49	2.18	2.64	2.43	2.35	2.19	1.96

^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	March 1993		February 1993		January 1993		Total 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	82.4	19.9	81.8	22.0	80.3	20.3	78.6	24.3
Alaska	100.0	70.1	100.0	73.3	100.0	76.0	100.0	69.7
Arizona	93.4	28.0	94.9	25.6	94.9	29.3	R 85.0	29.9
Arkansas	92.7	16.1	92.9	16.6	92.4	16.6	90.4	R 12.8
California	76.4	36.0	81.2	44.6	78.7	31.6	74.0	34.6
Colorado	96.2	32.7	96.2	34.9	96.3	35.3	95.3	R 33.6
Connecticut	97.0	73.5	97.5	73.4	97.0	71.5	96.4	65.6
Delaware	100.0	73.7	100.0	75.5	100.0	71.8	100.0	65.1
District of Columbia	100.0	--	100.0	--	99.9	--	99.0	--
Florida	96.5	28.6	96.6	31.0	89.9	33.4	95.9	29.6
Georgia	94.0	35.0	92.2	37.7	90.7	31.1	87.3	30.8
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	91.0	.0	89.9	.0	89.4	.0	85.7	.0
Illinois	58.4	15.4	58.4	16.9	60.8	21.0	57.1	14.2
Indiana	99.5	27.4	93.7	26.8	94.2	23.9	97.0	23.6
Iowa	95.5	14.9	96.2	18.1	96.2	16.2	95.6	16.7
Kansas	85.1	10.4	82.1	8.6	83.3	9.9	84.0	9.5
Kentucky	94.9	29.0	95.1	21.4	95.0	19.9	92.5	29.5
Louisiana	97.9	31.3	97.8	34.3	97.2	34.5	98.0	R 34.3
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	96.4	22.0	97.3	14.9	97.2	18.5	95.9	14.5
Massachusetts	99.8	54.1	100.0	58.2	99.7	57.9	99.7	82.1
Michigan	71.3	10.2	71.0	10.8	73.1	11.5	67.7	7.7
Minnesota	96.4	48.4	96.8	48.7	98.7	50.4	90.6	40.5
Mississippi	92.7	35.8	84.4	34.5	91.6	34.8	94.3	34.7
Missouri	88.8	27.2	86.3	28.5	86.9	29.1	85.1	22.5
Montana	94.9	14.9	94.1	16.1	95.4	16.4	95.4	17.8
Nebraska	93.0	42.4	R 93.2	R 45.4	91.3	R 45.0	87.6	52.7
Nevada	94.3	7.5	96.0	6.9	97.0	6.1	88.2	10.9
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	93.9	58.5	94.2	60.5	95.4	63.4	92.1	62.4
New Mexico	66.1	1.6	62.5	2.8	67.8	4.8	64.6	4.0
New York	82.8	25.9	82.2	28.0	82.3	24.4	76.7	19.7
North Carolina	100.0	92.8	100.0	93.9	100.0	97.0	95.5	80.3
North Dakota	77.3	29.5	77.3	31.4	77.1	34.2	68.8	21.3
Ohio	86.7	13.5	86.8	12.6	89.2	11.2	86.6	11.4
Oklahoma	91.0	27.1	91.3	38.1	91.2	41.2	87.3	23.3
Oregon	98.5	23.8	98.9	26.0	98.5	25.4	97.7	16.2
Pennsylvania	79.0	25.5	78.8	26.7	80.0	29.8	76.8	19.8
Rhode Island	100.0	11.6	100.0	11.8	100.0	10.6	99.9	R 12.3
South Carolina	100.0	67.0	100.0	70.0	98.4	69.8	98.3	64.7
South Dakota	84.4	54.3	83.9	61.4	86.5	68.3	81.9	R 52.3
Tennessee	95.8	47.3	96.2	44.8	95.9	39.1	95.4	46.9
Texas	84.7	35.5	86.0	33.8	84.4	32.9	84.5	26.6
Utah	100.0	10.6	100.0	11.2	100.0	9.0	100.0	10.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.6	14.2	90.9	15.2	84.3	9.4	89.2	13.2
Washington	93.8	44.4	93.2	45.9	93.8	47.9	87.2	36.3
West Virginia	55.9	8.0	56.0	9.3	55.7	8.8	46.9	R 5.7
Wisconsin	92.4	49.6	93.3	49.1	92.5	47.1	87.3	38.3
Wyoming	98.4	5.0	98.3	4.2	98.5	4.7	97.8	3.1
Total	80.3	29.2	80.5	R 30.1	80.5	R 29.5	78.7	R 26.8

See footnotes at end of table.

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

State	December 1992		November 1992		October 1992		September 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	78.3	25.3	71.5	24.6	70.4	23.1	71.8	21.2
Alaska	100.0	73.9	100.0	72.2	100.0	71.2	100.0	81.3
Arizona	94.4	31.2	91.5	28.8	93.2	30.2	91.6	27.3
Arkansas	91.5	16.4	87.6	14.7	86.4	R 13.9	85.1	11.8
California	81.0	37.4	76.3	34.8	78.6	39.1	79.3	40.9
Colorado	96.0	38.3	93.4	33.5	90.9	38.5	93.3	41.8
Connecticut	98.3	75.2	98.1	78.8	97.8	69.6	98.7	63.9
Delaware	100.0	74.0	100.0	72.3	100.0	68.9	100.0	61.9
District of Columbia	99.9	--	99.9	--	99.9	--	98.9	--
Florida	90.6	32.4	90.3	29.4	92.8	25.7	98.0	28.8
Georgia	92.3	36.4	87.1	25.6	83.6	26.2	82.4	36.1
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	88.3	.0	82.2	.0	77.9	.0	80.2	.0
Illinois	59.3	19.6	59.8	21.2	54.9	18.5	46.3	12.2
Indiana	98.1	22.7	99.8	30.2	99.8	28.7	92.5	21.2
Iowa	96.5	22.9	96.0	25.6	90.7	18.4	88.4	12.6
Kansas	82.0	7.8	77.4	9.3	80.6	8.9	86.6	9.7
Kentucky	94.6	23.1	94.3	30.9	92.5	52.3	86.9	44.8
Louisiana	97.6	34.4	96.9	32.3	98.6	R 32.6	98.7	R 35.4
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	97.3	22.8	96.9	31.9	94.9	13.3	94.0	5.8
Massachusetts	100.0	75.5	99.6	76.7	99.5	81.9	99.4	81.7
Michigan	72.1	10.9	67.4	7.2	59.8	4.8	48.6	3.5
Minnesota	97.1	52.5	96.3	47.0	99.3	43.4	92.6	38.1
Mississippi	91.4	34.1	95.0	34.2	94.9	32.6	90.7	32.7
Missouri	86.5	26.9	80.1	21.8	74.9	28.6	72.9	17.9
Montana	94.6	13.5	92.9	14.4	92.1	11.3	90.7	9.5
Nebraska	90.7	55.7	86.8	57.0	83.6	51.0	79.3	44.0
Nevada	95.3	20.1	88.5	9.5	88.9	9.5	82.7	9.3
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	96.9	67.7	95.0	70.2	86.9	56.3	81.3	56.7
New Mexico	55.1	9.1	50.9	7.6	51.8	2.9	54.7	8.5
New York	80.7	22.1	81.8	21.3	75.0	18.4	68.1	13.8
North Carolina	100.0	98.8	100.0	97.3	99.9	96.5	88.3	74.1
North Dakota	68.8	30.9	67.3	25.7	56.8	18.0	57.1	14.2
Ohio	89.4	14.3	86.8	12.6	85.3	12.1	74.8	7.3
Oklahoma	89.8	41.6	84.5	31.3	82.7	27.8	81.5	24.9
Oregon	98.3	19.5	97.3	17.9	94.5	14.7	97.8	13.8
Pennsylvania	80.5	30.3	75.3	26.6	75.2	25.8	70.8	17.6
Rhode Island	100.0	10.5	100.0	8.2	100.0	7.6	100.0	R 13.4
South Carolina	100.0	72.8	100.0	67.7	99.6	64.3	96.4	60.9
South Dakota	84.7	68.5	81.8	64.1	76.4	59.2	78.0	54.7
Tennessee	96.0	47.4	96.9	46.0	96.7	45.7	89.7	36.3
Texas	82.1	28.2	80.2	23.7	76.9	29.2	76.3	24.8
Utah	100.0	12.5	100.0	10.2	100.0	10.3	100.0	9.8
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.7	15.3	84.5	18.0	88.2	15.0	81.3	16.4
Washington	92.3	45.3	86.8	37.0	83.4	35.4	81.3	36.9
West Virginia	48.7	12.9	46.8	9.6	38.6	8.2	25.4	R 2.3
Wisconsin	92.3	45.7	90.0	42.9	84.1	35.4	78.8	31.7
Wyoming	98.0	4.0	97.9	3.6	98.5	2.3	97.0	2.0
Total	85.3	29.2	78.3	27.4	80.7	R 29.7	77.9	R 25.9

See footnotes at end of table.

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

State	August 1992		July 1992		June 1992		May 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	72.0	23.2	72.8	26.3	75.2	22.7	76.6	22.8
Alaska	100.0	60.1	100.0	66.6	100.0	69.9	100.0	67.6
Arizona	86.9	26.1	87.0	26.4	89.7	26.4	90.5	26.4
Arkansas	84.0	11.7	84.5	11.9	85.8	12.6	87.3	12.2
California	64.0	37.2	60.3	38.6	74.1	33.3	62.9	30.9
Colorado	93.0	35.8	93.9	41.3	95.8	28.9	94.8	29.5
Connecticut	98.7	61.7	95.7	54.1	87.0	52.1	93.5	54.1
Delaware	100.0	62.3	100.0	59.1	100.0	60.0	100.0	63.5
District of Columbia	99.4	--	91.4	--	99.9	--	97.5	--
Florida	97.8	28.0	97.8	30.8	98.0	34.2	98.1	35.1
Georgia	82.3	31.4	78.5	27.4	81.6	26.3	84.0	35.8
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	82.4	.0	81.0	.0	80.2	.0	83.1	.0
Illinois	48.5	7.5	43.7	7.0	42.7	5.3	52.3	8.7
Indiana	99.6	25.9	93.3	18.1	99.9	23.2	99.7	25.1
Iowa	90.4	12.4	91.1	11.2	93.0	12.1	94.2	12.8
Kansas	88.5	12.4	88.0	11.1	86.4	8.7	88.5	12.1
Kentucky	86.4	36.7	85.6	38.2	85.8	39.9	86.9	27.8
Louisiana	98.5	31.6	98.6	33.9	98.5	30.8	98.6	R 45.3
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	92.5	6.3	92.9	5.1	92.7	4.8	93.9	3.9
Massachusetts	99.5	81.8	99.6	82.9	99.7	80.5	99.6	83.7
Michigan	50.3	3.3	47.2	3.8	54.2	3.9	65.4	6.0
Minnesota	89.1	34.6	92.6	31.0	87.6	35.3	91.7	33.8
Mississippi	94.4	34.5	94.9	34.4	94.7	32.8	94.4	33.8
Missouri	74.4	20.9	70.1	18.0	80.3	18.8	82.5	17.7
Montana	96.7	15.1	95.4	15.4	94.9	16.7	96.6	17.7
Nebraska	83.3	50.6	85.3	47.3	81.4	43.6	88.4	54.3
Nevada	81.4	9.9	84.8	7.0	84.0	11.0	83.7	9.1
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	81.3	61.1	89.0	60.8	91.6	60.4	94.3	62.1
New Mexico	58.6	1.9	56.5	1.7	60.8	2.2	58.1	7.0
New York	68.2	11.4	71.9	14.7	69.8	12.3	71.4	14.3
North Carolina	85.0	61.2	82.8	47.0	84.6	61.1	87.4	60.9
North Dakota	58.8	13.0	61.6	12.5	63.7	14.7	73.3	16.8
Ohio	75.2	9.0	73.7	7.2	75.5	8.3	80.3	8.2
Oklahoma	83.1	21.3	77.0	15.9	81.4	16.6	82.9	16.5
Oregon	96.7	13.8	97.9	13.6	97.7	16.0	97.7	19.3
Pennsylvania	68.6	15.3	69.5	12.0	74.4	10.4	73.1	12.5
Rhode Island	100.0	10.3	100.0	14.7	100.0	10.6	100.0	15.7
South Carolina	95.0	63.1	94.7	59.6	95.1	62.3	98.2	67.0
South Dakota	74.5	R 50.2	72.3	37.4	73.5	R 39.2	80.7	40.8
Tennessee	88.3	40.3	96.7	41.0	94.8	45.1	92.3	47.8
Texas	81.7	27.6	82.1	26.3	83.1	28.9	84.5	25.7
Utah	100.0	9.4	100.0	9.2	100.0	9.3	100.0	9.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	83.7	10.5	84.9	5.7	86.5	14.5	87.1	12.0
Washington	80.2	26.7	78.5	35.7	80.6	33.3	83.4	35.0
West Virginia	25.3	6.0	27.1	R 1.7	30.2	5.9	44.4	R 2.5
Wisconsin	76.9	30.1	78.2	28.8	71.8	26.3	77.7	31.1
Wyoming	96.7	2.1	96.1	2.0	96.8	2.1	97.6	2.8
Total	76.2	R 25.3	R 72.0	R 24.5	79.2	R 24.8	79.0	R 25.6

See footnotes at end of table.

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

State	April 1992		March 1992		February 1992		January 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	81.2	23.4	83.0	29.1	85.1	26.1	81.8	23.4
Alaska	100.0	68.7	100.0	69.0	100.0	68.0	100.0	68.7
Arizona	94.0	31.5	97.7	33.1	98.6	33.0	R 98.6	38.6
Arkansas	92.0	13.9	91.9	13.9	94.1	15.8	93.4	15.1
California	78.6	44.0	75.3	30.5	65.1	29.3	86.3	26.6
Colorado	95.4	26.8	95.7	28.7	96.5	26.0	96.5	29.3
Connecticut	94.3	59.2	95.5	62.6	97.1	72.0	97.6	75.8
Delaware	100.0	61.1	100.0	62.2	100.0	63.8	100.0	65.9
District of Columbia	97.3	--	99.9	--	99.9	--	99.6	--
Florida	98.0	24.7	97.1	25.6	96.9	25.3	96.4	34.3
Georgia	87.4	41.3	88.6	28.6	90.0	25.0	90.1	30.2
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	85.2	.0	87.1	.0	89.0	.0	89.4	.0
Illinois	56.8	11.4	58.8	13.9	57.5	16.1	62.4	20.1
Indiana	96.8	22.9	98.9	20.6	93.3	20.1	94.5	23.5
Iowa	96.1	14.2	96.4	14.7	97.3	18.9	97.5	21.1
Kansas	86.4	9.3	83.3	7.7	83.3	9.4	82.4	8.5
Kentucky	91.2	17.9	93.0	14.0	93.7	16.3	95.0	26.0
Louisiana	98.6	R 41.5	98.0	R 43.1	98.1	R 42.4	97.1	R 41.8
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	95.5	10.6	96.1	17.1	97.1	22.2	97.1	24.2
Massachusetts	99.7	86.1	99.7	80.4	99.9	82.7	99.9	88.7
Michigan	69.4	8.9	70.3	10.2	73.5	12.2	72.7	13.2
Minnesota	95.1	37.9	95.6	40.6	94.9	39.0	99.6	44.5
Mississippi	96.0	34.9	95.6	36.6	93.1	40.7	96.2	35.6
Missouri	87.9	28.6	89.0	26.4	89.9	31.2	89.5	29.7
Montana	96.5	23.8	96.7	27.7	97.9	27.1	97.1	25.2
Nebraska	90.7	51.4	88.6	59.6	90.6	54.3	90.7	61.2
Nevada	87.2	10.1	88.3	9.8	89.5	13.3	90.6	12.5
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	88.2	53.4	92.3	63.0	92.3	67.3	97.0	71.2
New Mexico	67.9	.6	70.4	1.4	81.5	1.5	81.2	3.5
New York	76.4	21.2	78.7	23.6	78.0	26.3	80.2	30.1
North Carolina	92.5	72.4	99.1	94.8	99.1	93.5	99.2	98.3
North Dakota	71.5	24.8	71.9	21.3	73.7	28.8	71.6	25.6
Ohio	86.7	11.9	89.2	13.0	88.9	14.7	89.9	14.3
Oklahoma	89.1	16.1	88.3	18.3	90.8	18.9	89.9	29.8
Oregon	97.6	19.5	97.3	18.7	98.3	14.8	98.5	15.8
Pennsylvania	76.3	17.6	77.8	18.7	78.6	20.2	78.8	25.6
Rhode Island	99.6	14.0	100.0	11.1	100.0	R 8.4	100.0	9.6
South Carolina	98.3	59.2	98.6	59.6	98.9	66.8	98.9	76.1
South Dakota	83.0	44.3	81.0	41.8	83.3	53.3	86.9	67.2
Tennessee	96.5	47.9	96.0	53.1	96.4	54.6	95.8	54.8
Texas	88.9	27.9	88.4	24.3	90.5	27.9	91.3	24.9
Utah	100.0	10.1	100.0	9.5	100.0	11.1	100.0	11.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.3	14.5	92.6	13.6	92.1	15.9	93.6	13.6
Washington	85.4	35.4	88.7	37.9	89.0	38.6	92.1	38.4
West Virginia	53.2	8.4	49.9	R 3.4	56.7	7.2	55.3	6.5
Wisconsin	86.8	37.6	88.4	41.2	89.9	43.0	89.8	51.4
Wyoming	98.1	3.8	97.5	4.2	97.8	4.3	98.4	4.7
Total	83.8	R 26.8	84.6	R 26.2	84.8	R 27.4	R 82.4	R 27.8

See footnotes at end of table.

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

State	Total 1991		December 1991		November 1991		October 1991	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	82.7	31.4	81.7	30.4	75.4	29.3	74.4	27.8
Alaska	100.0	69.1	100.0	70.8	100.0	68.4	100.0	64.7
Arizona	93.2	48.1	97.7	40.4	92.8	31.6	92.8	32.1
Arkansas	91.5	19.4	92.2	19.0	90.5	19.1	86.4	18.1
California	77.8	29.8	80.3	25.6	69.8	29.8	64.7	24.7
Colorado	96.0	34.7	96.2	29.9	94.6	31.6	92.3	33.6
Connecticut	93.0	68.2	96.5	73.5	93.0	67.2	85.8	57.0
Delaware	100.0	65.9	100.0	67.3	100.0	63.9	100.0	64.3
District of Columbia	97.3	--	99.4	--	95.6	--	91.0	--
Florida	97.4	40.7	96.8	40.1	96.7	37.4	97.7	33.6
Georgia	87.5	36.8	92.4	35.7	90.7	37.2	82.7	30.8
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	87.6	.4	87.4	.4	85.0	.5	73.5	.2
Illinois	59.0	15.4	60.2	21.1	60.4	21.1	54.7	12.8
Indiana	94.2	21.4	95.3	25.9	97.8	28.5	98.5	22.4
Iowa	97.6	28.1	97.9	26.1	98.4	26.0	96.2	19.2
Kansas	89.2	15.1	85.3	11.5	87.7	12.2	82.0	15.0
Kentucky	94.0	26.8	95.4	37.4	95.7	38.1	91.4	49.8
Louisiana	99.1	45.3	97.6	44.5	97.3	45.0	98.4	44.5
Maine	100.0	95.9	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	96.6	15.8	97.3	24.2	96.5	16.2	95.8	12.8
Massachusetts	99.8	71.0	99.8	68.7	99.8	64.6	99.8	67.9
Michigan	68.3	10.8	70.0	12.9	87.2	12.5	60.0	6.4
Minnesota	95.2	41.8	98.9	55.5	97.0	53.2	97.7	42.0
Mississippi	95.9	48.0	96.3	47.6	95.4	49.3	94.9	48.8
Missouri	85.9	25.3	88.4	30.4	85.9	28.2	75.5	19.8
Montana	97.5	54.5	97.2	24.4	96.5	22.6	96.3	57.2
Nebraska	91.8	46.4	91.4	60.6	90.4	64.3	86.0	46.0
Nevada	90.8	14.1	89.0	12.5	82.1	14.7	84.2	10.6
New Hampshire	100.0	94.1	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	93.9	55.9	97.0	67.3	93.2	60.5	89.9	53.4
New Mexico	77.7	10.5	72.8	6.3	75.5	8.3	71.7	7.6
New York	80.7	29.4	81.0	32.4	79.5	29.5	75.0	23.9
North Carolina	95.0	72.5	99.2	97.8	99.0	94.8	97.9	88.2
North Dakota	70.0	23.9	70.0	27.6	67.5	25.4	48.6	15.0
Ohio	86.7	12.0	89.8	15.0	87.7	13.2	82.6	10.4
Oklahoma	91.3	42.0	90.6	30.0	87.5	23.2	81.2	23.8
Oregon	97.9	19.1	98.0	21.6	97.5	18.7	95.9	18.7
Pennsylvania	77.3	20.9	76.7	27.4	76.3	23.6	72.9	15.9
Rhode Island	100.0	14.3	100.0	9.7	100.0	9.7	100.0	9.7
South Carolina	98.2	70.4	98.8	71.1	98.9	70.2	97.3	72.4
South Dakota	81.8	55.1	85.2	62.8	83.3	59.2	76.7	51.0
Tennessee	95.7	55.6	97.7	59.4	97.1	59.6	95.3	52.7
Texas	89.0	30.7	87.1	27.4	84.2	28.7	80.0	24.6
Utah	100.0	15.3	100.0	10.4	100.0	11.9	100.0	12.8
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	93.6	28.8	93.4	38.2	90.9	40.0	92.5	29.4
Washington	92.2	44.2	92.0	40.2	88.7	40.6	85.2	45.2
West Virginia	54.9	21.4	57.9	18.8	55.5	15.9	45.1	21.4
Wisconsin	91.0	42.7	92.1	48.7	91.5	47.3	86.7	40.1
Wyoming	99.0	6.3	98.5	6.3	98.6	5.6	98.3	4.7
Total	85.1	32.7	86.0	32.3	85.0	32.8	78.8	29.2

See footnotes at end of table.

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

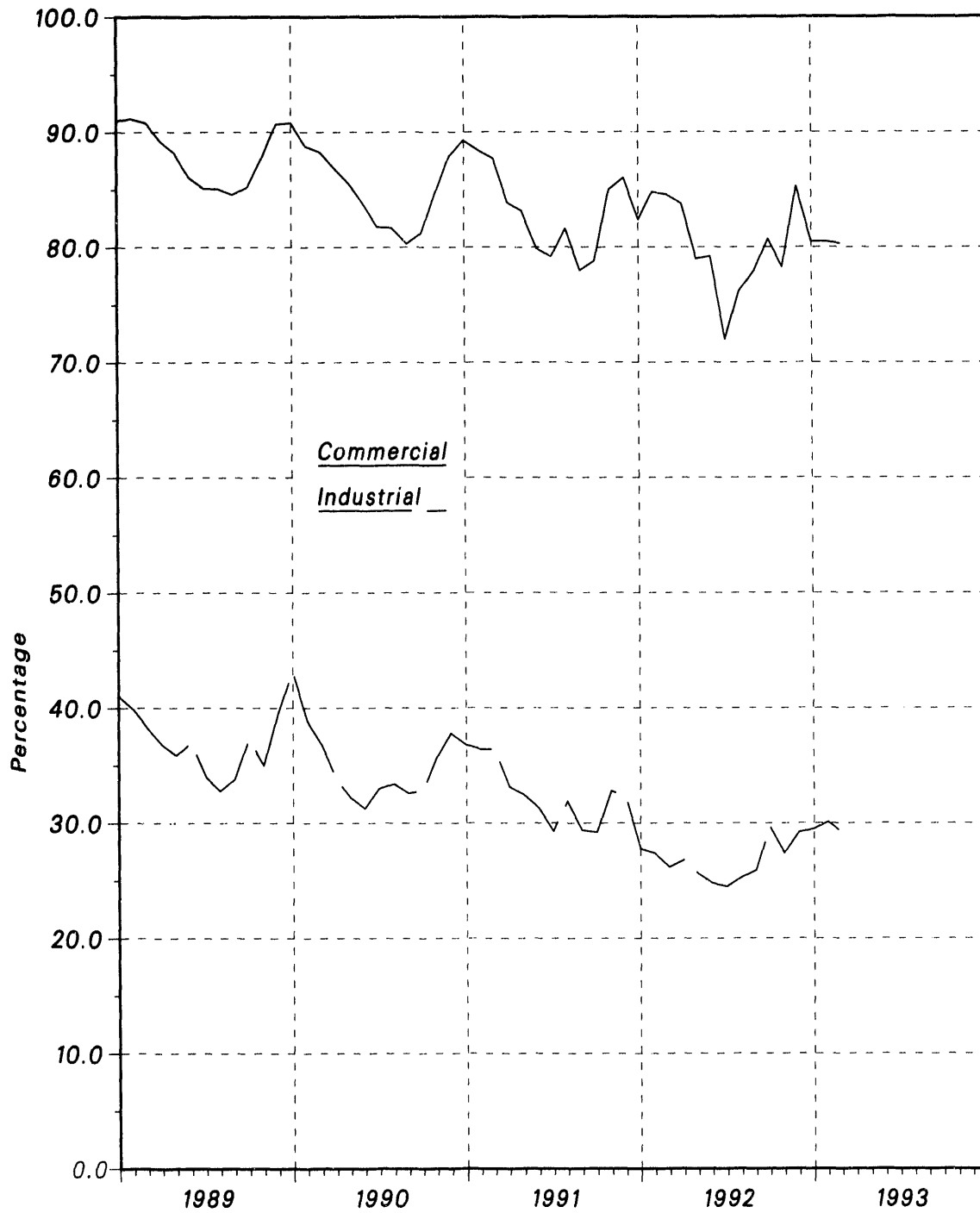
State	September 1991		August 1991		July 1991		June 1991	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	75.7	28.6	81.3	28.8	85.7	33.8	85.4	33.7
Alaska	100.0	57.3	100.0	70.9	100.0	71.4	100.0	71.7
Arizona	88.4	50.5	88.0	49.4	87.0	48.7	89.5	53.1
Arkansas	85.9	16.9	85.5	16.8	84.8	16.6	85.1	20.0
California	67.9	22.5	85.8	39.6	68.0	24.6	71.0	27.7
Colorado	93.6	34.2	93.8	40.5	93.6	37.2	97.2	32.9
Connecticut	77.8	52.8	77.0	49.6	76.1	56.3	79.1	60.5
Delaware	100.0	57.4	100.0	59.0	100.0	68.6	100.0	67.9
District of Columbia	90.5	--	89.3	--	86.6	--	92.4	--
Florida	98.1	36.8	97.8	39.7	97.9	41.7	97.8	39.7
Georgia	78.8	45.1	80.3	38.4	79.6	30.0	79.6	37.5
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	82.9	.3	84.0	.2	84.6	.3	86.7	.2
Illinois	55.0	10.1	43.4	7.2	39.4	6.4	45.4	7.1
Indiana	92.5	20.1	89.6	16.6	89.9	15.9	89.2	19.2
Iowa	95.9	23.6	91.5	25.1	94.8	24.8	95.7	27.9
Kansas	86.8	15.6	89.7	18.4	91.3	18.6	87.1	14.0
Kentucky	91.1	35.0	87.9	18.5	87.4	16.5	85.5	14.8
Louisiana	98.4	44.8	98.3	43.5	98.6	45.5	98.5	46.8
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	94.0	14.0	94.6	11.6	94.5	10.5	94.7	9.9
Massachusetts	99.5	65.3	99.6	60.1	99.6	61.8	99.8	82.7
Michigan	47.5	5.1	41.2	4.1	44.2	4.3	51.2	6.0
Minnesota	90.4	31.9	81.5	30.7	79.2	29.5	80.8	29.4
Mississippi	95.0	49.2	94.5	48.6	94.3	46.1	94.8	45.4
Missouri	75.0	17.6	72.2	15.6	71.1	14.5	75.3	16.2
Montana	95.8	59.1	95.7	69.6	95.8	63.0	96.8	64.5
Nebraska	85.8	40.0	95.1	40.8	96.3	35.3	88.1	37.2
Nevada	79.5	10.9	85.1	10.4	84.0	12.0	87.1	11.3
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	89.2	53.8	80.5	51.8	89.5	48.2	89.1	47.9
New Mexico	73.7	12.7	71.0	14.1	67.4	15.5	61.4	17.6
New York	73.1	22.7	75.0	24.3	76.8	22.8	72.8	20.4
North Carolina	85.0	51.9	86.2	50.6	84.4	46.7	86.0	48.8
North Dakota	49.6	10.0	47.5	15.2	49.6	14.2	58.9	14.2
Ohio	75.5	8.1	73.6	8.7	75.5	7.8	74.7	8.9
Oklahoma	86.8	35.7	85.5	34.1	87.0	44.7	88.7	35.0
Oregon	97.2	18.2	97.2	16.8	97.3	16.0	98.0	18.4
Pennsylvania	72.1	13.6	71.6	14.4	70.6	13.0	72.9	13.9
Rhode Island	100.0	16.2	100.0	14.3	100.0	13.3	100.0	15.9
South Carolina	97.6	68.8	97.7	66.7	97.3	69.1	97.4	65.7
South Dakota	74.5	63.0	74.3	54.3	74.3	51.8	74.8	41.0
Tennessee	93.9	54.0	93.8	50.6	93.8	50.2	94.3	52.9
Texas	86.8	27.8	90.0	32.3	90.7	26.9	91.1	30.8
Utah	100.0	13.8	100.0	13.6	100.0	13.7	100.0	15.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.2	25.7	89.4	26.7	91.2	20.1	90.8	27.6
Washington	85.5	39.9	87.2	42.0	88.2	35.9	90.5	43.4
West Virginia	36.4	28.0	33.8	23.5	30.9	20.0	34.0	23.8
Wisconsin	83.5	36.1	84.7	33.4	80.6	34.2	83.7	33.9
Wyoming	97.1	5.3	98.2	5.0	97.3	4.5	98.2	5.9
Total	78.0	29.4	81.6	31.9	79.2	29.3	79.9	31.3

R = Revised Data
 NA = Not Available.
 -- = Not Applicable

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

Source: Form EIA-857.

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 1991, of the 33 producing States, 23 reported data on nonhydrocarbon gases removed. The 23 States accounted for 59 percent of total 1991 gross withdrawals. Of the 23 States reporting nonhydrocarbon gases removed, 12 reported zero values: Alaska, Arizona, Arkansas, Illinois, Indiana, Maryland, Missouri, Nevada, New York, Oregon, South Dakota, and Virginia. The nine States reporting volumes greater than zero are Alabama, California, Colorado, 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 36 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.

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,

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.

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 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.

Note 5. Consumption

All Annual Data

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

Monthly Data

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

Total Consumption

Preliminary Monthly Data

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

Final Monthly Data

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

Residential, Commercial, and Industrial Sector Consumption

Preliminary Monthly Data

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

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

Final Monthly Data

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

Electric Utility Sector Consumption

All Monthly Data

Monthly data published are from Form EIA-759.

Pipeline Fuel Consumption

Preliminary Monthly Data

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

Final Monthly Data

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

Lease and Plant Fuel Consumption

Preliminary Monthly Data

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

Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly 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 1991 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

Appendix B

Data Sources

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

Data are collected from two annual surveys and five monthly surveys. 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.

Data in this publication are also taken from two types of reports that are filed with the FERC under its regulatory functions. One filing is the Form FERC-121, filed by natural gas producers who are the first seller of gas that qualified for an incentive price. The other filing is the "Purchased Gas Adjustment," which is filed by interstate pipeline companies to allow them to recover changes in their purchase prices for natural gas above the cost of service reflected in their current filings.

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 mailing in 1992 for report year 1991 totaled 2,116 questionnaire packages. To this original mailing, 14 names were added and 34 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 2,096 responses from approximately 1,800 companies.

Following the original mailing, second request mailing, and nonrespondents followup, 2,092 responses were entered into the data base, and there were four 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:
			<input type="checkbox"/>	<input type="checkbox"/>	

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 Number: _____ Area 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																											
<p>1.0 Type of Company (check one)</p> <p>a <input type="checkbox"/> Investor owned distributor</p> <p>b <input type="checkbox"/> Municipally owned distributor</p> <p>c <input type="checkbox"/> Interstate pipeline</p> <p>d <input type="checkbox"/> Intrastate pipeline</p> <p>e <input type="checkbox"/> Storage operator</p> <p>f <input type="checkbox"/> SNG plant operator</p> <p>g <input type="checkbox"/> Integrated oil and gas</p> <p>h <input type="checkbox"/> Producer</p> <p>i <input type="checkbox"/> Gatherer</p> <p>j <input type="checkbox"/> Processor</p> <p>k <input type="checkbox"/> Other (specify) _____</p>	<p>2.0 Gas Activities Operated On-system Within the Report State (check all that apply)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">a <input type="checkbox"/> Produced Natural Gas</td> <td style="width: 33%;">m <input type="checkbox"/> Delivered for Resale</td> </tr> <tr> <td>b <input type="checkbox"/> Gathered</td> <td>n <input type="checkbox"/> Delivered directly to consumers</td> </tr> <tr> <td>c <input type="checkbox"/> Processed</td> <td>o <input type="checkbox"/> Other (specify) _____</td> </tr> <tr> <td>d <input type="checkbox"/> Purchased</td> <td></td> </tr> <tr> <td>e <input type="checkbox"/> Transported Interstate</td> <td></td> </tr> <tr> <td>f <input type="checkbox"/> Transported Intrastate</td> <td></td> </tr> <tr> <td>g <input type="checkbox"/> Stored Underground</td> <td></td> </tr> <tr> <td>h <input type="checkbox"/> Stored LNG</td> <td></td> </tr> <tr> <td>i <input type="checkbox"/> Injected Propane-air</td> <td></td> </tr> <tr> <td>j <input type="checkbox"/> Produced SNG</td> <td></td> </tr> <tr> <td>k <input type="checkbox"/> Imported</td> <td></td> </tr> <tr> <td>l <input type="checkbox"/> Exported</td> <td></td> </tr> </table>			a <input type="checkbox"/> Produced Natural Gas	m <input type="checkbox"/> Delivered for Resale	b <input type="checkbox"/> Gathered	n <input type="checkbox"/> Delivered directly to consumers	c <input type="checkbox"/> Processed	o <input type="checkbox"/> Other (specify) _____	d <input type="checkbox"/> Purchased		e <input type="checkbox"/> Transported Interstate		f <input type="checkbox"/> Transported Intrastate		g <input type="checkbox"/> Stored Underground		h <input type="checkbox"/> Stored LNG		i <input type="checkbox"/> Injected Propane-air		j <input type="checkbox"/> Produced SNG		k <input type="checkbox"/> Imported		l <input type="checkbox"/> Exported	
a <input type="checkbox"/> Produced Natural Gas	m <input type="checkbox"/> Delivered for Resale																										
b <input type="checkbox"/> Gathered	n <input type="checkbox"/> Delivered directly to consumers																										
c <input type="checkbox"/> Processed	o <input type="checkbox"/> Other (specify) _____																										
d <input type="checkbox"/> Purchased																											
e <input type="checkbox"/> Transported Interstate																											
f <input type="checkbox"/> Transported Intrastate																											
g <input type="checkbox"/> Stored Underground																											
h <input type="checkbox"/> Stored LNG																											
i <input type="checkbox"/> Injected Propane-air																											
j <input type="checkbox"/> Produced SNG																											
k <input type="checkbox"/> Imported																											
l <input type="checkbox"/> Exported																											

PART IV: SUPPLY OF NATURAL AND SUPPLEMENTAL GAS RECEIVED WITHIN OR TRANSPORTED INTO REPORT STATE				
	Volume (Mcf at 14.73 psia)	e or f	Cost (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-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:					
5.4.1 Residential sales		Number of consumers			
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					
7.4.1 Residential consumers		Number of 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 (-)					

1.0 Control No.	2.0 Company Name	3.0 Report State	EIA 	4.0 Resubmittal Date: 	
PART VI: CONTINUATION SHEET (To be used only if insufficient space was provided on Part IV and/or Part V)				Sheet of 	
Supply (Continued)		Volume (Mcf at 14.73 psia)	# or †	Cost or Revenue (Dollars)	# or †
PART IV, 2.4 On-system purchases received at State line or U.S. border from: (Continued)					
Company _____					
State or Country _____					
Company _____					
State or Country _____					
PART IV, 3.2 Transportation and or exchange receipts at State line or U.S. border from: (Continued)					
Company _____					
State or Country _____					
Company _____					
State or Country _____					
PART IV, 4.0 Transported into report State from: (Cont'd)					
State or Country _____					
State or Country _____					
State or Country _____					
State or Country _____					
PART IV, 7.0 Other sources of supply (specify source and/or kind of fuel): (Continued)					

Disposition (Continued)					
PART V, 5.3 Company-owned natural gas deliveries at State line or U.S. border to: (Continued)					
Company _____					
State or Country _____					
Company _____					
State or Country _____					
PART V, 7.3 Transported for the account of others out of report State to: (Continued)					
State or Country _____					
State or Country _____					
State or Country _____					
State or Country _____					
PART V, 8.2 Deliveries of exchange gas at State line or U.S. border to: (Continued)					
Company _____					
State or Country _____					
Company _____					
State or Country _____					
PART V, 10.0 Other disposition (specify): (Continued)					

Figure 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	4.0 Resubmittal
			<input type="checkbox"/> EIA <input type="checkbox"/> Date: <input type="checkbox"/>
5.0 Company status, name, and/or address change or correction. (Check appropriate box.)			
a. <input type="checkbox"/> Name and address on mailing label are correct. b. <input type="checkbox"/> Change name, attention line, and/or mail address as indicated below. c. <input type="checkbox"/> Company was sold to, or merged with, company entered below. d. <input type="checkbox"/> Company went out of business. Customer accounts taken over by company entered below. e. <input type="checkbox"/> Other changes, corrections, or comments: _____ _____			
5.1 Change 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	Code _____ No. _____ Ext. _____

PART II: CERTIFICATION AND DISCLOSURE STATEMENT	
1.0 I certify that (Check appropriate box):	
a. <input type="checkbox"/> 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. <input type="checkbox"/> 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 <input type="text"/>	4.0 Resubmittal Date: <input type="text"/>
-----------------	-------------------	------------------	-----------------------------	---

PART III: TYPE OF COMPANY AND GAS ACTIVITIES OPERATED IN THE REPORT STATE			
<p>1.0 Type of Company (check one)</p> <p>a. <input type="checkbox"/> Investor owned distributor</p> <p>b. <input type="checkbox"/> Municipally owned distributor</p> <p>c. <input type="checkbox"/> Interstate pipeline</p> <p>d. <input type="checkbox"/> Intrastate pipeline</p> <p>e. <input type="checkbox"/> Storage operator</p> <p>f. <input type="checkbox"/> SNG plant operator</p> <p>g. <input type="checkbox"/> Integrated oil and gas</p> <p>h. <input type="checkbox"/> Producer</p> <p>i. <input type="checkbox"/> Gatherer</p> <p>j. <input type="checkbox"/> Processor</p> <p>k. <input type="checkbox"/> Other (specify) _____</p>	<p>2.0 Gas Activities Operated On-system Within the Report State (check all that apply)</p> <table style="width:100%; border:none;"> <tr> <td style="width:50%; border:none;"> <p>a. <input type="checkbox"/> Produced Natural Gas</p> <p>b. <input type="checkbox"/> Gathered</p> <p>c. <input type="checkbox"/> Processed</p> <p>d. <input type="checkbox"/> Purchased</p> <p>e. <input type="checkbox"/> Transported Interstate</p> <p>f. <input type="checkbox"/> Transported Intrastate</p> <p>g. <input type="checkbox"/> Stored Underground</p> <p>h. <input type="checkbox"/> Stored LNG</p> <p>i. <input type="checkbox"/> Injected Propane-air</p> <p>j. <input type="checkbox"/> Produced SNG</p> <p>k. <input type="checkbox"/> Imported</p> <p>l. <input type="checkbox"/> Exported</p> </td> <td style="width:50%; border:none;"> <p>m. <input type="checkbox"/> Delivered for Resale</p> <p>n. <input type="checkbox"/> Delivered directly to consumers</p> <p>o. <input type="checkbox"/> Other (specify) _____</p> </td> </tr> </table>	<p>a. <input type="checkbox"/> Produced Natural Gas</p> <p>b. <input type="checkbox"/> Gathered</p> <p>c. <input type="checkbox"/> Processed</p> <p>d. <input type="checkbox"/> Purchased</p> <p>e. <input type="checkbox"/> Transported Interstate</p> <p>f. <input type="checkbox"/> Transported Intrastate</p> <p>g. <input type="checkbox"/> Stored Underground</p> <p>h. <input type="checkbox"/> Stored LNG</p> <p>i. <input type="checkbox"/> Injected Propane-air</p> <p>j. <input type="checkbox"/> Produced SNG</p> <p>k. <input type="checkbox"/> Imported</p> <p>l. <input type="checkbox"/> Exported</p>	<p>m. <input type="checkbox"/> Delivered for Resale</p> <p>n. <input type="checkbox"/> Delivered directly to consumers</p> <p>o. <input type="checkbox"/> Other (specify) _____</p>
<p>a. <input type="checkbox"/> Produced Natural Gas</p> <p>b. <input type="checkbox"/> Gathered</p> <p>c. <input type="checkbox"/> Processed</p> <p>d. <input type="checkbox"/> Purchased</p> <p>e. <input type="checkbox"/> Transported Interstate</p> <p>f. <input type="checkbox"/> Transported Intrastate</p> <p>g. <input type="checkbox"/> Stored Underground</p> <p>h. <input type="checkbox"/> Stored LNG</p> <p>i. <input type="checkbox"/> Injected Propane-air</p> <p>j. <input type="checkbox"/> Produced SNG</p> <p>k. <input type="checkbox"/> Imported</p> <p>l. <input type="checkbox"/> Exported</p>	<p>m. <input type="checkbox"/> Delivered for Resale</p> <p>n. <input type="checkbox"/> Delivered directly to consumers</p> <p>o. <input type="checkbox"/> Other (specify) _____</p>		

PART IV: SUPPLY OF NATURAL AND SUPPLEMENTAL GAS RECEIVED WITHIN OR TRANSPORTED INTO REPORT STATE				
	Volume (Mcf at 14.73 psia)	# or f	Cost (Dollars)	# 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)	# or f	Cost or Revenue (Dollars)	# 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 (-)				

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 Date: <input type="text"/>	
PART VI: CONTINUATION SHEET (To be used only if insufficient space was provided on Part IV and/or Part V)								Sheet _____ of _____	
Supply (Continued)				Volume (Mcf at 14.73 psia)		# or f	Cost or Revenue (Dollars)		# or f
PART IV. 7.0 Other sources of supply (specify): (Continued) (Source and/or kind of fuel)									
Disposition (Continued)									
PART V. 10.0 Other disposition (specify): (Continued)									
PART VII: FOOTNOTES									
Part No.	Item No.	EIA Use		Sub-item (State, Company, or Line)		Line No.	Footnote		

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 1991, 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 59 percent of total 1991 gross withdrawals. In addition, gross withdrawal data from Kansas, Oklahoma, Louisiana, and Montana, which together accounted for 36 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.

Figure B3. Form EIA-627

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

U.S. DEPARTMENT OF ENERGY
Energy Information Administration

ANNUAL QUANTITY AND VALUE OF NATURAL GAS REPORT

PART I: IDENTIFICATION DATA

1. Name of State Reporting 19

2. Calendar Year Being Reported

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. 20566, 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								

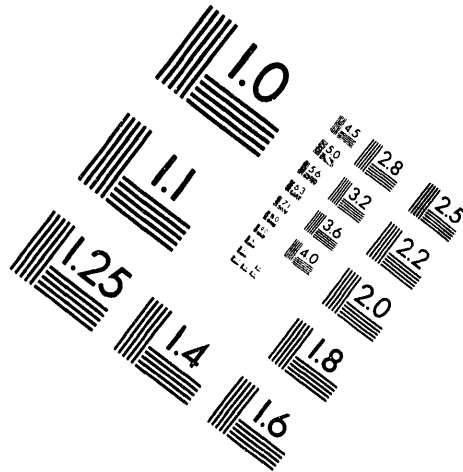
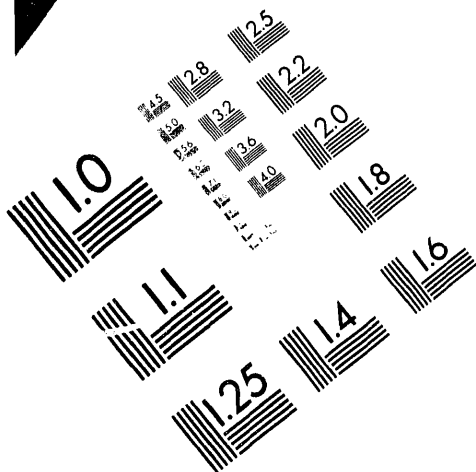
This report is collected under P.L. 93-275, Federal Energy Administration Act of 1974. Your voluntary cooperation and response are urgently needed to provide comprehensive, accurate and timely energy information. Because the data collected on EIA-627 are already aggregated by state, no confidentiality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



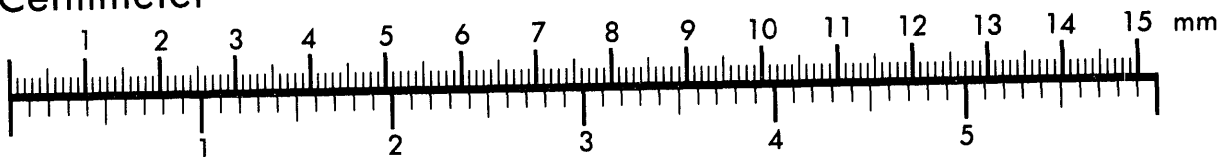
AIM

Association for Information and Image Management

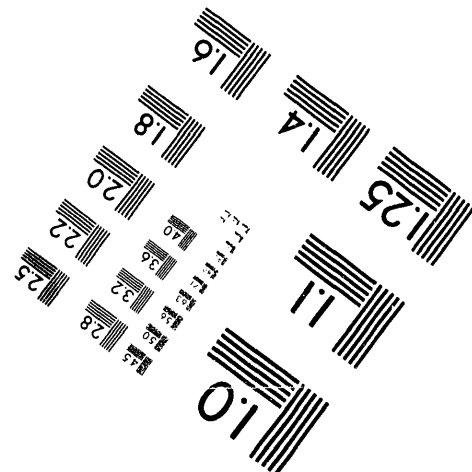
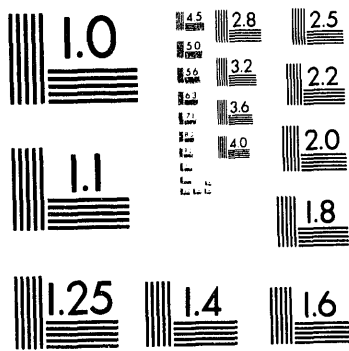
1100 Wayne Avenue, Suite 1100
Silver Spring, Maryland 20910
301/587-8202



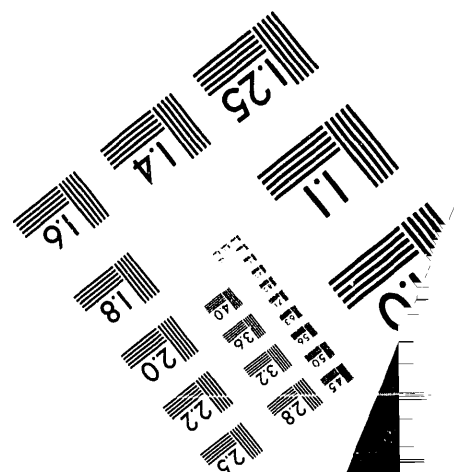
Centimeter



Inches



MANUFACTURED TO AIM STANDARDS
BY APPLIED IMAGE, INC.



2 of 2

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

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.

Does your computation of wellhead value agree with the above conditions? Yes ___ No ___

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.

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

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).

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

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.

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.

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.

Figure B5. Form EIA-191

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

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

UNDERGROUND GAS STORAGE REPORT

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.

I. RESPONDENT IDENTIFICATION DATA

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

Person to contact if questions arise concerning this report: _____
Tel. No. (Include Area Code and Extension) _____
Report Period _____
Mo _____ Yr _____

II. GAS STORAGE DATA (All volumes in Mcf - 14.73 psia - 60°F)

Storage Field Name	Reservoir Name(s)	Location		Base Gas	Working Gas	Total Gas in Storage	Injections	Withdrawals
		State	County					
A								
B								
Total Gas (Sum of A and B)								
Peak Day Withdrawals (in Mcf) Date <input type="checkbox"/> Day <input type="checkbox"/>								

Storage Field Name	Reservoir Name(s)	Location		Base Gas	Working Gas	Total Gas in Storage	Injections	Withdrawals
		State	County					
A								
B								
Total Gas (Sum of A and B)								
Peak Day Withdrawals (in Mcf) Date <input type="checkbox"/> Day <input type="checkbox"/>								

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)					

Company Code Number	Month and Year Being Reported
---------------------	-------------------------------

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
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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) 7		
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 to the survey. The sample

was selected independently for each of the 50 States and the District of Columbia. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 90 percent, and responses received after follow-up, 100 percent.

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

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

ANNUAL REPORT FOR
IMPORTERS AND EXPORTERS OF NATURAL GAS

GENERAL INSTRUCTIONS						
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) <input type="checkbox"/> Import <input type="checkbox"/> 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

	Report Period		Revised Report Indicator	
	03	Mo.	Yr.	04
	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:

$$m = n \frac{X2}{X_{..}} \quad (2)$$

where:

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

$X2$ = 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 ($I = \frac{X2}{m}$). 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 $X2$ was the sum within State of the X_i for only those companies in the subgroup.

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

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

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, March 1993

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	378	1,330	2,127	2,537	0.21	0.32	0.27
Alaska	0	0	0	0	--	--	--
Arizona	33	27	0	43	.03	.02	--
Arkansas	119	185	61	228	.06	.07	.21
California	1,073	266	2,306	2,558	.03	.04	.11
Colorado	15	25	0	29	--	--	--
Connecticut	0	0	0	0	--	--	--
Delaware	0	0	0	0	--	--	--
District of Columbia	0	0	0	0	--	--	--
Florida	25	57	1,714	1,715	.08	.07	.89
Georgia	1,193	1,550	2,969	3,555	.19	.21	.74
Hawaii	0	0	0	0	--	--	--
Idaho	0	0	0	0	--	--	--
Illinois	4,058	1,529	505	4,366	.19	.55	.65
Indiana	959	343	826	1,312	.09	.18	.30
Iowa	290	539	257	664	.17	.18	.03
Kansas	388	8,944	8,678	12,469	.20	.86	5.59
Kentucky	876	303	674	1,146	.03	.03	1.05
Louisiana	229	111	462	527	.23	.21	.01
Maine	0	0	0	0	--	--	--
Maryland	44	55	65	96	.01	.03	.10
Massachusetts	46	199	386	437	.10	.07	.15
Michigan	262	594	498	818	.07	.09	.13
Minnesota	273	308	524	666	.28	.24	.10
Mississippi	436	728	844	1,196	.28	1.71	.14
Missouri	1,054	780	202	1,327	.29	.11	.13
Montana	1	7	0	7	.01	.01	--
Nebraska	56	200	82	223	.03	.02	.05
Nevada	0	0	0	0	--	--	--
New Hampshire	0	0	0	0	--	--	--
New Jersey	0	0	0	0	--	--	--
New Mexico	270	226	21	353	--	.03	--
New York	3,168	1,152	509	3,408	.29	.09	.21
North Carolina	29	158	205	260	.02	.08	.15
North Dakota	0	0	0	0	--	--	--
Ohio	1,058	1,014	5,209	5,411	.17	.17	.17
Oklahoma	82	1,593	17	1,595	.03	.06	--
Oregon	0	0	0	0	--	--	--
Pennsylvania	78	122	2,435	2,439	.03	.04	.67
Rhode Island	0	0	0	0	--	--	--
South Carolina	297	156	879	941	.11	.12	.19
South Dakota	0	0	0	0	--	--	--
Tennessee	491	163	785	940	.14	.09	.17
Texas	1,108	8,910	24,574	26,163	.12	1.24	.18
Utah	0	0	0	0	--	--	--
Vermont	0	0	0	0	--	--	--
Virginia	554	141	1,101	1,240	.25	.27	.60
Washington	0	0	0	0	--	--	--
West Virginia	1,946	2,233	312	2,978	1.25	1.74	.18
Wisconsin	1,091	1,891	1,779	2,816	.25	.17	.34
Wyoming	69	56	443	452	.04	.03	.03
U.S. Totals	6,381	13,484	27,264	31,078	.07	.12	.17

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:

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

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

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

Appendix D

Natural Gas Reports and Feature Articles

Appendix D

Natural Gas Reports and Feature Articles

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

- *Natural Gas Annual 1991*, DOE/EIA-0131(91), 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 - 1991 Annual Report*, DOE/EIA-0216(91), September 1992.
- *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 1991*, DOE/EIA-0384(91), June 1992. 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

- *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.
- *The Domestic Oil and Gas Recoverable Resource Base: Supporting Analysis for the National Energy Strategy*, SR/NES/90-05, December 1990.
- *U.S. Oil and Gas Reserves by Year of Field Discovery*, DOE/EIA-0534, August 1990.

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

March 1990

The Developing Natural Gas Futures Market and Its Potential Impact on Domestic Natural Gas Markets

(Discusses futures markets vs. physicals markets, which include spot markets.)

April 1990

The Outlook for Natural Gas

(Discusses projections of natural gas markets through the year 2010.)

May 1990

Domestic Natural Gas Reserves and Production Dedicated to Interstate Pipeline Companies, 1989

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

June 1990

U.S. Natural Gas Imports and Exports - 1989

(Contains final 1989 data on all U.S. imports and exports of natural gas.)

July 1990

Resurgence in Natural Gas Wellhead Productivity

(Explores the factors that contributed to the recent increases in natural gas wellhead production.)

October 1990

Update on U.S. Coalbed Methane Production

(Presents estimates of annual coalbed methane production through 1988 by basin and field.)

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.)

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 Dunston (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 Dunston (202) 586-6135 Margo Natof (202) 586-6303
		Annual:	Form EIA-176, "Annual Report of Natural and Supplemental Gas Sup- ply and Disposition"	
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 Pipe- line Company Monthly Statement"	James Keeling (202) 586-6107
Wellhead	4	Monthly:	EIA computations	Donna Dunston (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 Im- ports 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 Dunston (202) 586-6135
Interstate Pipeline Activities:	8, 9, 10, 11, 12	Monthly:	Form FERC-11, "Natural Gas Pipe- line Company Monthly Statement"	James Keeling (202) 586-6107
Underground Storage:	13, 14, 15, 16, 17	Monthly:	Forms FERC-8 and EIA-191, "Un- derground 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			
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			
Industrial,	26		Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	
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				Audrey Corley (202) 586-4804
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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