1 of 2

Natural Gas Monthly September 1993

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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

Contents

	Page
Overview	1
Appendices	
A. Explanatory Notes	73
B. Data Sources	81
C. Statistical Considerations	107
D. Natural Gas Reports and Feature Articles	115
E. Technical Contacts	121
Glossary	123

Tables

	Page
1. Summary of Natural Gas Production in the United States, 1987-1993	2
2. Supply and Disposition of Dry Natural Gas in the United States, 1987-1993	3
3. Natural Gas Consumption in the United States, 1987-1993	5
4. Selected National Average Natural Gas Prices, 1987-1993	7
5. U.S. Natural Gas Imports by Country, 1987-1993	9
6. U.S. Natural Gas Exports by Country, 1987-1993	10
7. Marketed Production of Natural Gas by State, 1987-1993	11
8. Revenues, Expenses, and Income of Major Interstate Natural Gas Pipeline Companies, 1987-1993	14
9. Volumes and Prices of Natural Gas Sold by Major Interstate Natural Gas Pipeline Companies, 1987-1993	15
10. Volumes and Prices of Natural Gas Sold by Major Interstate Natural Gas Pipeline Companies, by Company, June 1993	16
11. Natural and Other Gases Produced and Purchased by Major Interstate Natural Gas Pipeline Companies, 1987-1993	17
12. Natural and Other Gases Produced and Purchased by Major Interstate Natural Gas Pipeline Companies, June 1993	18
13. Underground Natural Gas Storage - All Operators, 1987-1993	19
14. Underground Natural Gas Storage - Interstate Operators of Storage Fields, 1987-1993	21
15. Underground Natural Gas Storage - Intrastate Operators and Independent Producers, 1987-1993	22
16. Net Withdrawals from Underground Storage, by State, 1991-1993	23
17. Activities of Underground Natural Gas Storage Operators, by State, July 1993	27
18. Natural Gas Deliveries to Residential Consumers by State, 1991-1993	28
19. Natural Gas Deliveries to Commercial Consumers by State, 1991-1993	32
20. Natural Gas Deliveries to Industrial Consumers by State, 1991-1993	36
21. Natural Gas Deliveries to Electric Utility Consumers by State, 1991-1993	40
22. Natural Gas Deliveries to All Consumers by State, 1991-1993	44
23. Average City Gate Price by State, 1991-1993	48
24. Average Price of Natural Gas Delivered to Residential Consumers by State, 1991-1993	51
25. Average Price of Natural Gas Sold to Commercial Consumers by State, 1991-1993	54
26. Average Price of Natural Gas Sold to Industrial Consumers by State, 1991-1993	57
27. Average Price of Natural Gas Delivered to Electric Utility Consumers by State, 1991-1993	60
28. Percentage of Total Deliveries Represented by Onsystem Sales by State, 1991-1993	63

A1.	Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data	73
C1.	Standard Error for Natural Gas Deliveries and Price to Consumers by State, June 1993 . . .	111

Illustrations

	Page
1. Production and Consumption of Natural Gas in the United States, 1990-1994	4
2. Natural Gas Deliveries to Consumers in the United States, 1989-1993	6
3. Average Price of Natural Gas Delivered to Consumers in the United States, 1989-1993	8
4. Average Price of Natural Gas in the United States, 1989-1993	8
5. Underground Natural Gas Storage in the United States, 1989-1993	20
6. Percentage of Total Deliveries Represented by Onsystem Sales, 1989-1993	69
B1. Form EIA-176	83
B2. Form EIA-176, Short Form	88
B3. Form EIA-627	92
B4. IOGCC Form	94
B5. Form EIA-191	96
B6. Form FERC-11	98
B7. Form FPC-14	102
B8. Form EIA-857	103

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 1,616 billion cubic feet in July 1993 (Table 1). This is 4 percent higher than in July 1992.

The total gas supply available for disposition in July 1993 was an estimated 1,730 billion cubic feet, 2 percent greater than in July 1992 (Table 2). The July 1993 total includes 47 billion cubic feet withdrawn from storage, 9 billion cubic feet of supplemental fuel supplies, and 192 billion cubic feet of imported gas.

On the disposition side, the consumption of 1,310 billion cubic feet was 3 percent greater than in June 1993 and 1 percent less than in July 1992 (Table 2). Total disposition included 405 billion cubic feet of gas injected into underground storage reservoirs and exports of 15 billion cubic feet.

Consumption

Data for the four major end-use sectors indicate that the total amount of gas delivered to all consumers in June 1993 was 1,125 billion cubic feet, same as May 1993 (Table 3). Consumption in the industrial sector increased from 575 billion cubic feet in May 1993 to 582 billion cubic feet in June 1993, an increase of 1 percent.

The electric utility sector consumed 255 billion cubic feet in June 1993, which is 53 percent greater than in May 1993 and a 4-percent decrease from June 1992.

The residential sector consumed 163 billion cubic feet in June 1993, 1 percent greater than in June 1992. The commercial sector consumed 126 billion cubic feet in June 1993, 2 percent higher than in June 1992.

Prices

In June 1993, major interstate pipeline companies paid an average of \$2.03 per thousand cubic feet for gas purchased from domestic producers, 28 percent less than May's \$2.81 price and a 6-percent decrease from the \$2.16 paid in June 1992 (Table 4). In June 1993, these pipeline companies paid \$1.95 per thousand cubic feet for imported gas.

Distributors paid an average \$3.37 per thousand cubic feet for gas at the city gate in June 1993. This is 6 percent less than what these distributors paid in May 1993 and 12 percent greater than they paid in June 1992. Residential consumers paid \$7.29 per thousand cubic feet in June 1993, 7 percent higher than what they paid in June 1992. Commercial consumers paid \$5.29 per thousand cubic feet in June 1993, 2 percent greater than the \$5.20 paid in May 1993 and 12 percent higher than what they paid in June 1992.

Industrial consumers paid \$3.00 per thousand cubic feet in June 1993, a 7-percent decrease from the May 1993 price of \$3.24 and 19 percent greater than in June 1992. Electric utilities paid an average of \$2.90 per thousand cubic feet in May 1993, an increase of 5 percent from the \$2.75 per thousand cubic feet paid in April 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	1,593	72	1,521
November	1,905	259	23	15	1,608	73	1,536
December	R 1,960	273	23	15	R 1,649	74	R 1,574
Total	R 22,076	3,019	269	174	R 18,614	840	R 17,775
1993							
January	1,992	269	22	15	1,686	76	1,610
February	1,774	245	22	14	1,493	67	1,426
March	1,938	265	21	14	1,638	74	1,564
April	R 1,894	R 256	23	16	R 1,600	72	R 1,527
May	R 1,915	259	R 23	15	R 1,618	R 73	R 1,545
June	E 1,859	E 256	E 22	E 14	E 1,567	E 71	E 1,496
July	E 1,905	E 252	E 22	E 15	E 1,616	E 73	E 1,543
1993 YTD	13,277	1,802	155	101	11,219	506	10,713
1992 YTD	12,757	1,732	158	100	10,767	486	10,281
1991 YTD	12,654	1,625	158	96	10,776	484	10,292

^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	R 571	12	165	R -5	R 2,321	R 55	16	2,249
February	1,398	R 433	11	175	R 90	R 2,107	R 48	14	2,045
March	1,468	370	11	180	R 18	R 2,048	R 71	23	1,955
April	1,437	R 141	10	176	121	R 1,884	159	18	1,708
May	1,475	R 51	9	174	R 70	1,779	R 322	19	R 1,438
June	1,447	R 35	8	162	R -8	R 1,645	R 353	18	R 1,274
July	1,477	52	8	167	R -12	R 1,693	R 351	16	R 1,326
August	1,442	R 59	9	175	R -34	R 1,651	R 355	18	R 1,278
September	1,420	52	9	166	-23	1,624	336	18	R 1,269
October	1,521	R 81	10	176	-121	1,667	262	19	1,385
November	1,536	267	11	210	R -226	R 1,799	R 93	19	1,688
December	R 1,574	R 537	12	209	-133	R 2,200	57	19	R 2,124
Total	R 17,775	R 2,649	120	2,138	R -264	R 22,418	R 2,463	216	R 19,739
1993									
January	1,610	R 605	13	198	-75	R 2,351	R 50	E 18	2,283
February	1,426	581	11	183	R 13	R 2,215	30	E 15	R 2,169
March	1,564	R 384	12	199	R 78	R 2,238	R 80	E 18	R 2,139
April	R 1,527	R 111	10	E 185	R 71	R 1,905	R 219	11	R 1,675
May	R 1,545	25	8	E 148	R 5	R 1,731	R 447	E 13	R 1,270
June	E 1,496	43	E 9	E 193	R -46	R 1,696	R 416	E 13	R 1,267
July	E 1,543	47	E 9	E 192	-62	1,730	405	E 15	E 1,310
1993 YTD	10,713	1,797	71	1,298	-15	13,864	1,647	105	12,113
1992 YTD	10,281	1,653	69	1,200	273	13,477	1,360	123	11,994
1991 YTD	10,292	1,668	67	1,006	44	13,075	1,545	61	11,467

^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.

R = Estimated Data.

E = 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: •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	4,830	2,670	6,383	2,836	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	136	121	582	263	1,104	1,236
October	98	50	225	163	626	263	1,278	1,426
November	89	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	787	405	707	169	2,067	2,249
February	91	72	695	362	655	170	1,882	2,045
March	95	69	578	313	692	208	1,791	1,955
April	93	60	431	247	646	229	1,554	1,708
May	96	51	251	168	636	236	1,291	1,438
June	94	45	162	123	684	266	1,135	1,274
July	96	47	132	121	597	334	1,183	1,326
August	94	45	126	120	592	303	1,140	1,278
September	92	45	137	119	602	274	1,132	1,269
October	99	49	241	164	620	213	1,236	1,385
November	100	59	439	252	647	189	1,528	1,668
December	102	75	719	374	678	176	1,947	2,124
Total	1,154	696	4,699	2,767	7,657	2,766	17,889	19,739
1993								
January	105	80	834	419	680	164	2,098	2,283
February	93	78	766	406	666	162	2,000	2,169
March	102	75	702	372	694	194	1,962	2,139
April	99	59	450	257	636	174	1,516	1,675
May	100	45	230	153	575	167	1,125	1,270
June	97	45	163	126	582	255	1,125	1,267
1993 YTD	595	381	3,146	1,732	3,833	1,115	9,827	10,803
1992 YTD	572	376	2,905	1,616	3,921	1,278	9,721	10,668
1991 YTD	575	359	2,831	1,601	3,573	1,238	9,242	10,176

^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.

^c = 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	2.85	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	2.20	2.19	3.08	5.54	4.94	3.25	2.70
February	1.62	2.10	1.93	2.94	5.56	4.94	2.97	2.35
March	1.49	1.92	2.02	2.78	5.60	4.89	2.75	2.21
April	1.50	2.03	1.87	2.74	5.90	4.87	2.68	2.10
May	1.48	1.99	1.96	2.76	6.28	4.65	2.40	2.01
June	1.43	2.03	1.75	2.86	6.98	4.80	2.34	1.94
July	1.34	2.11	1.79	2.74	7.23	4.50	2.23	1.88
August	1.43	1.71	1.71	2.78	7.36	4.73	2.29	1.96
September	1.59	1.84	1.76	2.91	6.92	4.57	2.40	2.19
October	1.82	2.00	1.94	2.92	6.20	4.58	2.69	2.35
November	1.89	2.20	2.02	2.92	5.51	4.71	2.84	2.43
December	2.00	2.09	2.11	3.05	5.51	4.84	3.09	2.64
Annual Average	1.64	2.02	1.92	2.90	5.82	4.81	2.69	2.18
1992								
January	1.73	2.20	2.10	2.90	5.53	4.85	3.05	2.49
February	1.31	1.98	1.70	2.71	5.53	5.04	2.79	2.03
March	1.40	1.45	1.90	2.62	5.48	4.77	2.58	1.99
April	1.47	2.01	1.73	2.75	5.61	4.78	2.53	2.07
May	1.57	1.79	1.99	2.90	6.14	4.59	2.44	2.11
June	1.68	2.03	2.16	3.01	6.82	4.72	2.52	2.18
July	1.61	1.89	1.86	3.01	7.23	4.63	2.50	2.15
August	1.91	1.82	2.14	3.18	7.40	4.72	2.68	2.42
September	1.99	2.05	2.13	3.24	7.11	4.69	2.78	2.51
October	2.46	2.13	2.69	3.49	6.20	4.64	2.98	3.04
November	2.20	2.32	2.37	3.33	5.99	5.11	3.24	2.87
December	2.14	1.92	2.40	3.17	5.71	5.11	3.34	2.81
Annual Average	1.80	1.97	2.10	3.01	5.86	4.87	2.81	2.37
1993								
January	2.05	2.02	2.17	3.10	5.71	5.17	3.25	2.70
February	1.79	1.91	1.94	2.94	5.71	5.08	3.12	2.55
March	1.97	1.78	2.20	3.06	5.67	5.06	3.09	2.61
April	2.11	2.15	2.34	3.24	^R 5.99	^R 5.12	3.13	2.75
May	^R 2.40	2.13	2.81	3.57	6.70	5.20	3.24	2.90
June	^E 2.12	1.95	2.03	3.37	7.29	5.29	3.00	NA
1993 YTD	2.07	1.99	2.25	3.15	5.89	5.12	3.14	2.14
1992 YTD	1.53	1.91	1.93	2.80	5.66	4.83	2.67	2.13
1991 YTD	1.58	2.05	1.95	2.89	5.74	4.88	2.77	2.24

^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 Gate, Residential, Commercial and Industrial average prices for 1987 through current month from Form EIA-857. See Appendix A, Explanatory Note 5 for discussion of revision policy. •Earlier prices from EIA *Natural Gas Annual 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	1.80	0	--	127,139	1.80
September	131,345	1.67	2,589	1.66	133,934	1.67
October	146,489	1.76	10,146	2.41	156,635	1.80
November	163,605	1.89	5,113	2.48	168,718	1.91
December	170,485	1.94	10,099	2.63	180,585	1.98
Total	1,709,716	1.81	63,596	2.36	1,773,313	1.83
1992						
January	157,026	1.95	7,610	2.49	164,636	1.98
February	170,187	1.64	5,076	2.91	175,243	1.68
March	177,978	1.63	2,503	3.32	180,482	1.65
April	173,615	1.62	2,531	2.12	176,146	1.63
May	174,312	1.66	0	--	174,312	1.66
June	159,743	1.77	2,505	2.09	162,249	1.77
July	167,216	1.70	0	--	167,216	1.70
August	172,240	1.81	2,492	3.15	174,733	1.83
September	163,584	1.96	2,533	1.83	166,117	1.96
October	173,904	2.21	2,563	3.19	176,466	2.22
November	202,646	1.94	7,633	2.57	210,479	1.96
December	201,756	2.13	7,670	2.17	209,426	2.13
Total	2,094,387	1.84	43,116	2.54	2,137,504	1.85
1993						
January	192,899	NA	5,141	NA	198,039	NA
February	175,444	NA	7,654	NA	183,097	NA
March	193,830	NA	5,146	NA	198,976	NA
April	■ 177,552	NA	7,720	NA	■ 185,272	NA
May	■ 143,092	NA	5,236	NA	■ 148,327	NA
June	■ 185,029	NA	7,563	NA	■ 192,593	NA
July	■ 184,534	NA	7,642	NA	■ 192,176	NA
1993 YTD	1,252,380	NA	46,101	NA	1,288,481	NA
1992 YTD	1,180,057	1.71	20,226	2.60	1,200,283	1.72
1991 YTD	970,653	1.81	35,649	2.30	1,006,303	1.83

NA = Not Available.

-- = Not Applicable.

R = Revised Data.

E = Estimated Data.

RE = Revised Estimated data.

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

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

Year and Month	Pipeline				LNG		Total	
	Canada		Mexico		Japan		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price		
1987 Total	3,297	1.81	2,125	3.18	48,599	3.15	54,020	3.07
1988 Total	19,738	2.02	2,327	3.21	51,573	2.99	73,638	2.74
1989 Total	38,443	2.00	17,004	2.14	51,424	3.01	106,871	2.51
1990 Total	17,359	2.70	15,659	1.88	52,546	3.59	85,565	3.10
1991								
January	1,710	2.47	3,477	2.19	4,375	5.19	9,562	3.61
February	3,343	2.02	2,853	1.70	4,370	4.79	10,566	3.08
March	1,228	2.04	4,404	1.81	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	4,782	1.46	2,947	3.23	7,744	2.14
June	31	1.51	3,759	1.43	2,915	3.18	6,706	2.19
July	195	1.24	3,235	1.28	4,400	3.20	7,830	2.36
August	540	1.21	3,117	1.40	5,869	3.25	9,526	2.53
September	446	1.30	5,921	1.68	4,370	3.31	10,737	2.32
October	2,245	1.57	7,776	1.84	4,371	3.39	14,393	2.27
November	2,385	1.87	8,349	2.00	4,371	3.50	15,105	2.41
December	2,630	1.97	9,586	2.12	5,820	3.61	18,036	2.58
Total	14,791	1.91	60,448	1.76	54,005	3.71	129,244	2.59
1992								
January	2,377	1.87	9,687	1.83	4,368	3.58	16,432	2.30
February	3,654	1.43	5,983	1.24	4,369	3.44	13,986	1.98
March	11,437	1.95	6,707	1.37	4,367	3.27	22,511	2.03
April	5,980	1.35	7,371	1.52	4,403	3.21	17,754	1.88
May	5,919	1.56	7,285	1.69	5,827	3.23	19,030	2.12
June	6,172	1.81	7,262	1.78	4,378	3.31	17,812	2.17
July	5,230	1.67	9,258	1.68	4,379	3.44	18,868	2.16
August	5,074	1.84	8,778	1.97	4,377	3.56	18,229	2.31
September	5,547	1.91	8,181	2.00	4,408	3.61	18,136	2.36
October	6,290	2.11	10,063	2.66	2,920	3.59	19,272	2.65
November	3,487	2.04	10,674	2.26	4,366	3.56	18,527	2.52
December	6,611	2.18	7,743	2.18	4,370	3.52	18,724	2.49
Total	67,777	1.83	95,973	1.90	52,532	3.43	216,282	2.25
1993								
January	■ 5,000	NA	■ 9,000	NA	4,367	NA	■ 18,367	NA
February	■ 5,000	NA	■ 6,000	NA	4,355	NA	■ 15,355	NA
March	■ 5,000	NA	■ 7,500	NA	5,812	NA	■ 18,312	NA
April	■ 4,000	NA	■ 3,000	NA	4,373	NA	■ 11,373	NA
May	■ 5,000	NA	■ 4,000	NA	4,381	NA	■ 13,381	NA
June	■ 5,000	NA	■ 5,000	NA	2,950	NA	■ 12,950	NA
July	■ 5,000	NA	■ 5,000	NA	5,162	NA	■ 15,162	NA
1993 YTD	34,000	NA	39,500	NA	31,401	NA	104,901	NA
1992 YTD	40,769	1.70	50,534	1.61	32,091	3.35	123,393	2.09
1991 YTD	6,545	2.11	25,699	1.59	29,204	3.95	61,448	2.77

NA = Not Available.

R = Revised Data.

E = Estimated Data.

RE = Revised Estimated Data.

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

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

Year and Month	Alabama	Alaska	California	Colorado	Florida	Kansas
1987 Total	117,241	359,837	424,821	164,557	8,281	472,752
1988 Total	129,524	378,638	399,883	191,544	7,484	592,845
1989 Total	128,411	393,729	382,860	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	54,801
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	41,809	31,944	22,546	543	43,491
October	15,207	36,384	35,427	23,868	602	50,366
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	24,387	38,519	26,646	28,460	600	62,632
December	24,854	40,928	26,828	29,847	599	68,404
Total	276,742	444,317	347,082	320,054	6,847	644,117
1993						
January	24,591	41,375	26,936	29,601	637	64,279
February	22,157	35,689	24,005	29,041	573	57,258
March	23,492	41,674	27,133	28,775	603	61,084
April	32,014	39,228	25,300	28,910	601	53,822
May	32,258	35,702	26,707	28,934	685	54,374
1993 YTD	134,512	193,666	130,081	145,261	3,099	290,817
1992 YTD	108,172	191,190	151,083	128,889	2,683	267,201
1991 YTD	65,190	182,414	151,417	114,499	1,614	279,024

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	78,943	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	378,742	18,738	7,005	3,741	108,324	3,763
October	413,140	17,142	7,591	4,499	108,619	4,100
November	424,498	13,805	7,668	5,096	110,716	3,982
December	444,516	18,376	7,565	5,158	116,724	3,905
Total	5,023,304	189,250	91,350	53,441	1,236,573	47,415
1993						
January	449,393	18,622	7,657	5,205	116,697	4,167
February	400,231	9,728	7,249	4,729	108,459	3,644
March	425,024	24,098	7,166	5,054	118,515	4,369
April	415,982	19,700	7,047	4,304	113,899	4,336
May	435,973	19,604	7,025	4,617	119,203	4,521
1993 YTD	2,126,603	91,752	36,144	23,909	576,773	21,037
1992 YTD	2,130,159	68,530	39,064	23,770	474,395	20,007
1991 YTD	2,154,850	84,203	44,826	23,749	437,696	22,159

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* States	U.S. Total
1987 Total	2,073,461	8,126,315	87,158	497,980	758,979	17,432,901
1988 Total	2,167,050	8,286,029	101,372	509,058	803,573	17,918,465
1989 Total	2,237,037	8,241,425	120,089	665,609	826,576	18,095,147
1990 Total	2,258,471	8,343,146	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	500,183	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	66,128	64,097	1,535,684
May	181,866	517,003	11,208	62,086	63,281	1,526,095
June	188,292	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	1,604,690
December	184,515	574,064	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	75,741	1,652,721
February	184,317	483,622	11,312	49,958	68,113	1,464,282
March	184,117	508,378	12,727	65,119	70,062	1,537,464
April	166,322	493,548	11,852	62,708	65,307	1,505,299
May	163,402	510,858	13,378	59,063	64,003	1,544,342
June	184,646	495,744	13,310	63,318	63,716	1,515,474
July	159,166	508,172	13,930	70,253	62,498	1,547,207
August	157,543	516,828	14,425	69,835	64,118	1,510,457
September	158,603	512,557	15,250	66,021	60,626	1,487,396
October	169,089	541,550	17,177	60,072	65,451	1,592,597
November	171,039	537,072	16,718	70,146	68,445	1,608,429
December	176,390	524,547	19,417	69,495	71,210	1,648,763
Total	1,996,854	6,184,403	171,293	784,104	797,290	18,614,431
1993						
January	181,647	553,029	19,774	67,413	75,313	1,686,336
February	182,327	490,478	19,304	51,199	67,368	1,493,439
March	167,673	554,949	22,763	56,178	69,816	1,638,366
April	165,335	538,617	18,986	65,660	65,653	1,599,592
May	165,190	546,915	17,584	54,455	64,323	1,618,070
1993 YTD	842,172	2,683,968	98,411	295,105	342,473	8,035,803
1992 YTD	840,378	2,548,133	61,066	306,164	343,226	7,704,108
1991 YTD	924,575	2,639,868	61,031	326,833	337,663	7,851,614

* Includes Arizona, Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, Virginia and West Virginia. The 1992 and 1993 monthly values for these States are estimated.

† = Estimated Data.

‡ = Revised Data.

Notes: Data for 1987 through 1991 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 ^a
			Operation and Maintenance	Depreciation, Depreciation, and Amortization	Taxes ^b	Total Gas Operating Expenses			
1987 Total	6,758	27,489	21,871	1,520	552	25,151	2,333	3,493	1,414
1988 Total	6,414	26,837	22,640	1,579	582	24,940	1,803	3,350	1,366
1989 Total	5,652	26,703	21,522	1,451	596	24,168	2,575	4,595	2,311
1990 Total	4,877	24,275	18,980	1,483	648	21,066	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	66
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	1,088	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	1,615	116	50	1,863	264	312	166
December	433	2,452	2,304	101	42	2,565	-113	277	130
Total	4,052	21,649	17,996	1,311	627	20,158	1,492	1,857	179
1992									
January	413	2,240	1,647	117	64	1,954	286	362	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	350	246
April	276	1,526	1,112	119	56	1,339	187	279	136
May	269	1,476	1,084	123	58	1,311	165	366	232
June	^R 224	^R 1,438	1,056	113	52	^R 1,252	^R 187	^R 311	171
July	234	1,417	1,020	124	55	1,237	181	296	147
August	264	1,564	1,157	131	54	1,412	152	266	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	^R 3,695	^R 21,559	16,063	^R 1,132	664	^R 16,913	^R 2,646	^R 4,055	2,394
1993									
January	366	2,070	1,434	121	57	1,703	367	396	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	266
April	278	1,617	1,161	216	55	1,516	101	295	166
May	185	1,420	1,062	105	54	1,251	168	106	-39
June	219	1,487	1,062	123	52	1,310	177	275	144

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

^b Excludes income taxes.

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

^R = Revised Data.

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

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

Source: Form FERC-11.

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

Year and Month	To Industrial Users		To Other Ultimate Consumers		Total Sales to Ultimate Consumers		Sales For Resale		Total Sales of Natural Gas		Number of Companies
	Volume	Price ^a	Volume	Price ^a	Volume	Price ^a	Volume	Price ^a	Volume	Price ^a	
1987 Total	442,041	3.07	301,567	5.05	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	16,288	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	2.46	364,076	4.77	521,290	4.06	3,309,713	3.51	3,831,003	3.59	50
1992											
January	12,270	2.58	69,297	4.53	71,567	4.19	333,807	3.58	405,374	3.68	46
February	10,489	2.09	42,699	4.42	53,188	3.97	287,148	3.32	340,336	3.42	49
March	11,460	2.14	35,898	4.42	47,358	3.87	290,133	3.14	337,491	3.24	49
April	14,176	2.15	26,940	4.79	41,116	3.88	221,838	3.32	262,954	3.40	50
May	14,610	1.82	16,500	5.12	31,110	3.57	224,480	3.27	255,590	3.31	50
June	^R 9,991	^R 2.79	^R 13,422	5.45	^R 23,413	^R 4.31	^R 179,954	^R 3.58	^R 203,367	^R 3.66	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 153,287	^R 2.42	^R 352,680	4.65	^R 505,967	^R 4.12	^R 3,014,731	^R 3.32	^R 3,520,696	^R 3.44	50
1993											
January	4,623	2.62	6,747	4.44	11,370	3.70	344,821	3.38	356,191	3.39	51
February	6,494	2.24	5,221	4.47	11,715	3.23	369,081	2.98	380,796	2.99	51
March	5,762	2.42	5,078	4.48	10,840	3.38	369,600	2.96	380,440	2.98	51
April	7,415	2.30	3,626	4.54	11,041	3.04	260,533	3.06	271,574	3.06	51
May	7,809	2.43	2,026	4.92	9,835	2.95	168,359	3.19	177,994	3.17	51
June	6,361	2.38	1,788	4.77	8,149	2.90	199,331	2.82	207,480	2.82	50

^a All prices are weighted averages.

^R = Revised Data.

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

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

Source: Form FERC-11.

Table 10. Volumes and Prices of Natural Gas Sold by Major Interstate Natural Gas Pipeline Companies, by Company, June 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*	Volume	Price*	Volume	Price*	Volume	Price*	Volume	Price*
Algonquin Gas	0	--	0	--	0	--	0	--	0	--
ANR	0	--	0	--	0	--	25,469	1.76	25,469	1.76
Arkla Energy Resources Co	0	--	0	--	0	--	1,240	1.26	1,240	1.26
Bear Creek Storage	0	--	0	--	0	--	0	--	0	--
Colorado Interstate	42	2.40	0	--	42	2.40	4,771	3.46	4,813	3.45
Columbia Gas Transm	0	--	0	--	0	--	23,033	4.46	23,033	4.46
Columbia Gulf	0	--	4	3.50	4	3.50	0	--	4	3.50
Consolidated Gas	207	2.11	0	--	207	2.11	1,757	2.63	1,964	2.57
East Tennessee	385	3.75	0	--	385	3.75	903	2.25	1,288	2.70
El Paso	1,315	2.18	0	--	1,315	2.18	7,251	1.64	8,566	1.72
Equitrans	185	2.29	0	--	185	2.29	757	2.77	942	2.68
Florida Gas	300	4.06	0	--	300	4.06	866	4.99	1,166	4.75
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	24	3.04	1,754	4.79	1,778	4.76	486	3.80	2,266	4.55
Kern River Gas Trans	0	--	0	--	0	--	0	--	0	--
Michigan Gas Storage	0	--	0	--	0	--	109	2.67	109	2.67
Midwestern	0	--	0	--	0	--	3,385	2.18	3,385	2.18
Mississippi River	140	3.04	0	--	140	3.04	2,220	4.95	2,360	4.63
Mojave Pipeline Co	0	--	0	--	0	--	0	--	0	--
Mountain Fuel Res	0	--	0	--	0	--	575	3.31	575	3.31
National Fuel	0	--	0	--	0	--	4,078	5.62	4,078	5.62
Natural Gas Pipeline	2	1.00	0	--	2	1.00	22,919	3.30	22,921	3.30
Northern Border	0	--	0	--	0	--	0	--	0	--
Northern Natural	0	--	1	3.00	1	3.00	13,122	2.59	13,123	2.59
Northwest Alaskan	0	--	0	--	0	--	30,637	1.90	30,637	1.90
Northwest Pipeline	0	--	0	--	0	--	601	5.51	601	5.51
Overthrust Pipeline	0	--	0	--	0	--	0	--	0	--
Pacific Gas Transm	0	--	0	--	0	--	26,167	2.17	26,167	2.17
Pacific Interstate	0	--	0	--	0	--	6,585	2.90	6,585	2.90
Panhandle Eastern	0	--	0	--	0	--	92	1.26	92	1.26
Sabine Pipeline Co	0	--	0	--	0	--	0	--	0	--
Sea Robin Pipeline	0	--	0	--	0	--	0	--	0	--
Southern Natural	3	2.33	0	--	3	2.33	1,647	2.94	1,650	2.93
Stingray Pipeline	0	--	0	--	0	--	0	--	0	--
Tenneco, Inc	1,840	1.70	0	--	1,840	1.70	4,206	2.27	6,046	2.10
Texas Eastern	0	--	0	--	0	--	0	--	0	--
Texas Gas Transm	0	--	0	--	0	--	1,394	3.21	1,394	3.21
Tribalizer Pipeline	0	--	0	--	0	--	0	--	0	--
Transcontinental	0	--	0	--	0	--	15,530	3.29	15,530	3.30
Transwestern Pipeline	0	--	17	2.29	17	2.29	848	1.42	865	1.44
Trunkline Gas Co	3	2.67	4	2.25	7	2.43	7,130	3.00	7,137	3.00
U-T Offshore	0	--	0	--	0	--	0	--	0	--
United Gas Pipeline	1,652	2.46	0	--	1,652	2.52	1,160	5.32	3,062	3.60
Valero Interstate Transm	0	--	0	--	0	--	1,110	2.62	1,110	2.62
Viking Gas Company	0	--	0	--	0	--	0	--	0	--
Williams Natural	33	3.45	8	5.0	41	2.88	141	3.92	182	3.69
Williston Basin	0	--	0	--	0	--	298	3.45	298	3.45
Wyoming Interstate	0	--	0	--	0	--	0	--	0	--
Total/Average Price*	6,361	2.38	1,788	4.77	8,149	2.90	210,509	2.79	218,658	2.79
Sales to Other Major Companies	--	--	--	--	--	--	11,178	2.16	11,178	2.16
Sales Excluding Sales to Major Companies	--	--	--	--	--	--	199,331	2.82	207,480	2.82

* 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 (AER Co.) is a subsidiary of Arkla, Inc. Data submitted on the FERC-11 for AER 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	139,821	23,960	4,516,120	66,879	962,383	374,983	6,920,365
1989 Total	18,696,398	108,036	24,609	3,532,588	74,056	903,468	411,997	4,922,131
1990 Total	21,681,372	93,386	24,163	3,601,690	72,986	965,859	355,273	4,995,808
1991								
January	2,098,858	6,065	1,558	372,884	7,194	79,076	40,956	500,112
February	1,839,900	6,242	2,157	262,740	5,669	66,257	21,918	356,584
March	1,865,092	5,837	2,120	222,064	5,388	75,343	19,260	325,078
April	1,792,255	5,603	1,114	193,804	4,453	64,319	19,803	282,379
May	1,723,696	5,534	2,202	174,738	4,808	61,258	14,897	255,501
June	1,579,146	5,353	2,121	160,553	4,294	52,828	22,143	239,818
July	1,610,413	5,571	2,295	155,126	5,186	49,545	15,099	224,956
August	1,735,157	6,213	2,030	149,415	5,253	73,437	22,469	250,574
September	1,691,808	5,998	1,880	169,800	5,886	60,109	14,208	249,703
October	1,856,527	5,473	2,182	210,116	5,329	71,699	18,776	306,118
November	2,103,022	6,376	1,708	261,011	11,226	73,042	33,149	378,428
December	2,135,449	6,798	1,989	298,819	7,732	74,645	31,486	412,684
Total	22,031,321	73,065	23,376	2,631,069	72,118	606,558	274,168	3,783,913
1992								
January	2,308,476	6,645	1,855	251,382	8,000	64,855	38,726	362,968
February	2,159,190	6,079	2,070	205,682	7,942	63,868	24,695	302,187
March	2,193,665	6,156	2,303	148,181	8,643	68,723	19,804	246,351
April	2,107,064	6,796	2,208	164,991	5,813	59,549	21,558	252,311
May	1,979,257	6,969	2,304	170,687	5,935	67,619	19,859	264,100
June	^a 1,912,627	5,243	2,076	155,643	4,803	56,782	^a 17,999	^a 235,227
July	1,897,268	5,675	1,989	156,145	5,100	65,867	23,342	250,190
August	1,888,726	6,146	2,045	166,766	5,429	64,829	18,715	275,738
September	1,807,555	6,249	2,006	175,857	5,268	74,569	^b 6,669	268,563
October	1,985,790	6,352	2,209	192,808	5,380	71,677	20,536	290,401
November	2,144,328	6,503	2,185	216,189	9,938	71,100	24,967	324,194
December	2,194,126	6,604	2,633	247,161	10,494	79,706	45,325	382,686
Total	^a 24,569,994	75,417	25,893	2,253,492	82,751	629,134	^a 282,697	^a 3,446,074
1993								
January	2,334,905	6,430	2,338	203,273	5,475	76,601	7,912	293,461
February	2,163,229	6,047	2,102	160,616	5,238	70,472	9,394	246,720
March	2,214,880	6,310	2,480	171,111	5,563	71,016	11,066	268,767
April	1,976,998	5,532	2,233	164,581	4,796	78,589	1,134	248,100
May	1,934,569	5,576	894	162,910	5,037	63,140	5,168	236,246
June	1,949,219	5,031	2,216	164,781	4,175	74,253	5,315	248,524

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

Source: Form FERC-11

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

Pipeline Company	Transported Gas	Natural Gas Production	Manufactured Gas, Liquefied Natural Gas, Gasified Coal and Synthetic Gas Production	Purchased Natural Gas				
				From Producers	Intracompany Transfers	Imports	From Others	Total
Algonquin Gas	9,131	0	0	0	0	0	15	15
ANR	110,810	0	1,211	8,794	0	7,880	0	16,674
Arkla Energy Resources Co	45,805	0	0	4,047	0	0	186	4,233
Bear Creek Storage	0	0	0	0	0	0	0	0
Colorado Interstate	36,294	3,593	0	5,789	3,593	0	0	9,382
Columbia Gas Transm	63,870	0	0	22,478	0	0	* -79	22,399
Columbia Gulf	101,461	0	0	0	0	0	401	401
Consolidated Gas	34,713	1,121	0	5,580	2	0	* -6	5,576
East Tennessee	4,988	0	0	2,953	0	0	545	3,498
El Paso	87,285	0	0	6,377	0	0	1,200	7,577
Equitrans	4,077	0	0	1,902	0	0	0	1,902
Florida Gas	28,686	0	0	840	0	0	582	1,222
Great Lakes Gas	69,577	0	0	0	0	13	0	13
High Island Offshore	27,366	0	0	0	0	0	0	0
Illinois Gas Transm. Sys.	18,646	0	0	0	0	0	0	0
K N Energy Inc	10,235	0	0	4,329	0	0	2,070	6,399
Kern River Gas Trans	21,833	0	0	0	0	0	0	0
Michigan Gas Storage	26,734	0	0	0	0	0	109	109
Midwestern	10,164	0	0	1,145	0	0	2,284	3,429
Mississippi River	19,812	0	0	8,307	0	0	0	8,307
Mojave Pipeline Co.	8,331	0	0	0	0	0	0	0
Mountain Fuel Res	23,438	0	0	1,580	0	0	1,580	3,160
National Fuel	9,189	316	0	9,625	316	0	40	9,980
Natural Gas Pipeline	131,920	0	1,005	11,458	0	6,646	4	18,108
Northern Border	52,914	0	0	0	0	0	0	0
Northern Natural	139,410	0	0	10,099	0	0	6,494	16,593
Northwest Alaskan	0	0	0	0	0	30,837	0	30,837
Northwest Pipeline	39,220	0	0	17	0	519	0	536
Overthrust Pipeline	850	0	0	0	0	0	0	0
Pacific Gas Transm	10,540	0	0	0	0	26,402	0	26,402
Pacific Interstate	0	0	0	0	0	0	6,789	6,789
Panhandle Eastern	45,087	0	0	8,878	0	0	0	8,878
Sabine Pipeline Co	17,689	0	0	0	0	0	0	0
Sea Robin Pipeline	25,322	0	0	0	0	0	0	0
Southern Natural	35,123	0	0	7,836	0	0	33	7,869
Stingray Pipeline	17,545	0	0	0	0	0	0	0
Tennessee, Inc	139,042	0	0	2,155	0	1,976	* -661	3,470
Texas Eastern	83,669	2	0	* 297	0	0	32	* -265
Texas Gas Transm	55,703	0	0	7,141	0	0	42	7,183
Tribalstar Pipeline	11,807	0	0	0	0	0	0	0
Transcontinental	166,695	0	0	16,214	0	0	1,120	17,334
Transwestern Pipeline	52,099	0	0	* -16	0	0	0	* -16
Trunkline Gas Co	47,707	0	0	5,563	0	0	0	5,563
U-T Offshore	10,072	0	0	0	0	0	0	0
United Gas Pipeline	52,916	0	0	12,424	0	0	0	12,424
Valero Interstate Transm	5,498	0	0	0	0	0	1,110	1,110
Viking Gas Company	10,693	0	0	0	0	0	0	0
Williams Natural	18,186	0	0	885	0	0	104	989
Williston Basin	3,024	0	0	398	265	0	0	663
Wyoming Interstate	4,264	0	0	0	0	0	0	0
Total	1,949,219	5,031	2,216	164,781	4,175	74,253	23,994	267,203
Purchases from Other Major Companies	--	--	--	0	0	0	18,879	18,879
Purchases (Excluding Purchases from Other Major Companies)	--	--	--	164,781	4,175	74,253	6,315	249,524

* 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 (AER Co.) is a subsidiary of Arkla, Inc. Data submitted on the FERC-11 for AER 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 ^a	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	3,912	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	88	2.7	314	42	272
July	3,942	2,771	6,713	-20	-7	289	75	214
August	3,949	2,970	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	2,216	6,276	-146	-6.2	55	571	-516
February	4,056	1,837	5,893	-226	-10.9	48	433	-385
March	4,045	1,545	5,590	-367	-19.2	71	370	-300
April	4,037	1,573	5,610	-464	-22.8	159	141	18
May	4,043	1,848	5,891	-425	-18.7	322	51	271
June	4,049	2,153	6,202	-400	-15.7	353	35	318
July	4,063	2,460	6,523	-311	-11.2	361	52	309
August	4,061	2,761	6,822	-217	-7.3	355	59	295
September	4,060	3,044	7,104	-157	-4.9	336	52	285
October	4,064	3,223	7,287	-146	-4.3	262	81	181
November	4,060	3,054	7,113	-94	-3.0	93	267	-174
December	4,043	2,597	6,639	-227	-8.1	57	537	-479
Total	--	--	--	--	--	2,463	2,649	-186
1993								
January	4,039	2,045	6,084	-170	-7.7	50	605	-555
February	4,013	1,819	5,831	-319	-17.4	30	581	-552
March	3,992	1,237	5,228	-308	-19.9	80	384	-304
April	3,998	1,335	5,333	-238	-15.1	219	111	108
May	4,016	1,737	5,754	-111	-6.0	447	25	423
June	4,028	2,100	6,127	-53	-2.5	416	43	372
July	4,029	2,473	6,502	13	5	405	47	358

^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.

-- 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 ^b	Volume	Percent	Injections	Withdrawals	Net ^c
1987 Total^a	2,461	2,024	4,485	14	0.7	1,365	1,348	17
1988 Total^a	2,469	2,092	4,561	68	3.3	1,587	1,532	55
1989 Total^a	2,478	1,764	4,242	-328	-15.7	1,788	2,072	-285
1990 Total^a	2,496	2,203	4,699	439	24.9	1,705	1,284	421
1991								
January	2,542	1,718	4,261	114	7.1	105	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	2,382	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	R 1,554	R 4,230	R -164	-9.5	R 47	R 383	R -336
February	2,671	R 1,289	R 3,960	R -213	R -14.2	R 33	R 305	R -272
March	2,661	R 1,080	R 3,741	R -338	R -23.8	R 54	R 270	R -215
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	R 238	R 24	215
July	2,679	1,695	4,375	-275	-13.9	R 248	R 35	213
August	2,676	1,908	4,584	-197	-9.3	R 250	R 41	210
September	R 2,675	R 2,111	4,785	R -154	R -6.8	230	29	201
October	2,677	2,231	4,908	-151	-6.3	181	57	123
November	2,673	R 2,110	4,784	R -100	-4.5	R 71	197	R -126
December	2,652	1,819	4,471	-166	-8.4	46	R 360	R -314
Total	--	--	--	--	--	R 1,739	R 1,839	R -100
1993								
January	R 2,649	R 1,443	R 4,091	R -112	R -7.2	R 42	R 421	R -379
February	2,632	1,050	3,683	R -239	R -18.5	20	R 429	R -409
March	2,615	R 829	R 3,444	R -251	R -23.3	R 49	R 284	R -235
April	R 2,621	R 897	R 3,518	R -207	R -18.7	R 146	R 78	R 68
May	2,637	R 1,191	R 3,828	R -94	R -7.3	328	16	312
June	2,648	R 1,462	R 4,110	R -24	R -1.6	307	26	281
July	2,650	1,742	4,392	46	2.7	293	28	265

^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-176.

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

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net ^c
1987 Total^a	1,331	732	2,063	-7	0.1	522	533	-11
1988 Total^a	1,331	758	2,089	26	3.8	587	711	-124
1989 Total^a	1,335	749	2,083	-9	-1.2	705	732	-26
1990 Total^a	1,372	864	2,236	115	15.4	728	650	78
1991								
January	1,369	644	2,012	-21	-3.2	10	178	-168
February	1,362	562	1,924	21	3.9	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	R 1,385	R 661	R 2,046	R 17	R 2.7	R 8	R 188	-180
February	1,385	R 548	R 1,933	R -14	R -2.4	R 15	R 128	-113
March	1,384	R 465	R 1,849	R -29	R -5.9	R 16	101	R -84
April	R 1,384	R 470	R 1,853	R -67	R -12.6	R 47	43	R 4
May	1,384	R 563	R 1,947	R -63	R -10.1	R 94	11	R 83
June	1,384	R 666	R 2,050	R -53	R -7.3	115	12	103
July	1,384	R 764	R 2,149	R -38	R -4.7	103	16	87
August	1,385	R 853	R 2,238	R -20	R -2.3	104	19	R 86
September	1,385	R 933	R 2,318	R -3	R -.3	R 107	23	84
October	R 1,387	R 992	R 2,378	R 5	R .5	R 82	R 24	58
November	R 1,387	R 943	R 2,330	R 6	R .7	22	70	R -49
December	1,391	R 777	R 2,169	R -62	R -7.3	11	R 177	-165
Total	--	--	--	--	--	R 724	R 810	R -86
1993								
January	R 1,391	603	1,993	R -59	R -8.9	7	184	-177
February	1,380	R 468	1,849	R -80	R -14.6	10	R 153	R -143
March	1,376	R 408	1,784	-57	-12.2	31	100	R -69
April	1,377	438	1,815	R -31	R -6.6	72	33	R 39
May	1,380	R 547	1,926	R -16	R -2.9	120	R 9	110
June	R 1,380	R 637	R 2,017	R -29	R -4.3	108	17	91
July	1,379	731	2,110	-33	-4.3	112	19	93

^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.

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-176.

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

States	July 1993	June 1993	May 1993	April 1993	March 1993	February 1993	January 1993
Arkansas	10	-14	824	121	478	872	633
California	-23,040	-13,993	^ -28,521	-15,646	-8,478	17,346	37,972
Colorado	-3,784	^ -4,646	^ -2,713	^ 3,405	^ 2,509	^ 5,116	^ 3,207
Illinois	-30,667	^ -32,862	^ -33,685	^ -2,881	^ 25,062	^ 49,451	^ 59,730
Indiana	-4,420	-2,089	-1,257	-400	2,558	5,026	5,572
Iowa	-10,896	-8,100	-6,824	-5,491	2,650	10,799	18,971
Kansas	-6,472	^ -11,747	^ -24,818	^ -3,308	^ 4,888	^ 15,609	^ 18,609
Kentucky	-7,557	^ -7,759	-6,426	726	9,515	10,958	5,114
Louisiana	-33,838	-33,949	-28,839	^ 592	23,512	^ 43,797	47,855
Maryland	-1,126	-1,175	-2,217	456	1,859	4,290	3,272
Michigan	-85,667	^ -85,218	-75,304	^ -20,444	^ 65,891	^ 103,072	97,623
Minnesota	-408	-344	-318	49	418	418	396
Mississippi	-5,007	-4,556	-7,012	-2,489	6,098	8,450	5,963
Missouri	-102	-451	-1,049	-1,551	1,085	1,811	1,091
Montana	-1,169	665	1,157	1,710	2,759	4,420	5,100
Nebraska	-2,551	-4,278	-2,958	-975	1,010	2,009	3,344
New Mexico	-285	-1,221	-2,705	2,927	792	4,164	2,613
New York	-10,095	-10,788	-10,921	^ -3,964	^ 10,303	18,122	13,106
Ohio	-29,079	-31,661	-29,556	-3,399	38,442	45,095	38,465
Oklahoma	-14,917	-17,825	-20,586	-12,860	8,856	21,531	23,966
Oregon	-1,181	-1,298	-1,645	426	728	1,397	1,918
Pennsylvania	-46,928	-53,535	-57,981	-18,784	58,156	100,956	71,301
Texas	-9,931	^ -8,376	^ -27,775	^ -19,952	^ 12,328	^ 24,856	^ 45,359
Utah	-5,170	-6,636	^ -6,665	^ 1,016	^ 3,663	5,057	5,873
Washington	-2,148	-666	-4,528	-1,002	-1,231	3,347	3,439
West Virginia	-20,201	^ -27,572	-39,358	^ -5,496	29,813	43,205	31,863
Wyoming	-2,051	-2,069	-983	-500	371	^ 2,368	3,361
Total	-357,710	^ -372,345	^ -422,682	^ -107,717	^ 303,824	^ 551,562	^ 555,717

See footnotes at end of table.

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

States	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992	July 1992
Arkansas	514	624	366	196	-434	-664	-852
California	38,691	57,233	9,582	-7,826	-16,810	-10,523	-14,807
Colorado	5,052	2,611	3,094	-2,152	-5,911	-6,264	-4,148
Illinois	12,370	45,753	18,703	-27,250	-34,978	-38,437	-30,748
Indiana	896	3,615	2,362	-2,945	-5,211	-4,113	-5,143
Iowa	3,951	20,511	9,164	-9,101	-10,668	-10,871	-11,369
Kansas	22,641	13,696	9,853	-2,945	-10,081	-11,636	-4,315
Kentucky	-6,415	3,011	1,522	-10,706	-4,208	-1,616	-3,551
Louisiana	19,676	35,137	5,271	-20,864	-17,253	-14,268	-14,985
Maryland	-322	2,107	-510	-1,249	-2,066	-2,387	-1,821
Michigan	12,554	88,834	49,062	-28,398	-68,572	-68,347	-74,813
Minnesota	30	203	8	4	-126	-179	-298
Mississippi	-5,624	6,381	639	-1,266	-6,351	-580	-4,621
Missouri	13	7	8	-191	-208	-218	-266
Montana	12,602	5,601	3,347	1,357	280	-766	-1,026
Nebraska	-536	3,428	2,445	309	-1,175	-1,195	-2,096
New Mexico	2,477	-412	1,037	-2,550	-1,169	-1,945	2,099
New York	-1,972	11,193	3,034	-3,663	-6,893	-10,102	-11,167
Ohio	15,432	30,849	5,163	-11,241	-15,372	-22,490	-28,068
Oklahoma	12,892	30,668	17,279	-7,563	-12,628	-3,376	-17,423
Oregon	872	579	1,100	-173	-453	-1,010	-1,194
Pennsylvania	-9,570	50,184	-2,767	-25,705	-42,447	-43,351	-36,750
Texas	42,917	36,197	20,384	-4,812	-3,207	-16,005	-7,519
Utah	-11,131	6,778	5,472	-1,274	-3,120	-4,672	-3,519
Washington	5,667		947	760	-1,196	-1,458	-1,024
West Virginia	-3,172	17,129	6,001	-13,026	-13,599	-18,825	-19,009
Wyoming	8,525	3,532	1,787	1,046	-865	-122	-1,185
Total	185,809	479,448	174,354	-181,229	-264,720	-295,425	-299,618

See footnotes at end of table.

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

States	June 1992	May 1992	April 1992	March 1992	February 1992	January 1992	Total 1991
Arkansas	-509	16	159	443	519	652	1,966
California	■ -23,604	■ -14,905	■ -14,912	■ 15,762	16,647	■ 42,654	-12,276
Colorado	■ -1,997	366	■ 4,150	■ 6,689	■ 2,781	■ 5,834	-7,370
Illinois	■ -32,109	■ -33,662	■ 7,768	■ 26,578	■ 47,603	■ 63,150	978
Indiana	-2,554	-1,197	508	4,126	4,627	6,820	926
Iowa	-8,213	-8,918	-2,557	3,539	12,653	19,780	5,207
Kansas	-2,503	■ -2,258	■ 5,008	9,422	■ 13,173	5,226	-10,822
Kentucky	-1,552	1,230	1,684	4,864	1,265	1,634	1,397
Louisiana	-19,697	-21,100	-332	13,228	26,814	45,726	24,989
Maryland	-2,688	■ -3,307	■ 897	■ 2,661	■ 4,937	■ 3,104	-1,852
Michigan	-68,179	-45,023	287	65,658	75,640	86,407	39,200
Minnesota	-306	-390	209	328	129	449	-267
Mississippi	-8,393	-4,244	■ -165	■ 1,966	■ 1,165	■ 9,853	5,884
Missouri	-146	-427	-1,570	330	1,198	1,497	-1,117
Montana	-714	-1,517	■ -63	484	2,207	3,412	9,737
Nebraska	-2,627	-1,620	-609	42	1,032	1,529	-229
New Mexico	-541	95	2,396	735	711	2,020	-3,694
New York	-9,525	-10,121	-2,778	12,207	14,323	11,520	-11,619
Ohio	-29,257	-25,866	-2,247	35,661	34,823	43,476	-431
Oklahoma	-11,028	-7,929	-5,550	■ 4,140	■ 6,371	17,930	12,139
Oregon	-1,540	-1,572	443	1,566	1,540	1,568	-566
Pennsylvania	-51,775	-40,168	-5,385	53,322	64,308	70,963	11,335
Texas	■ -12,601	■ -18,832	■ -2,897	■ 5,380	■ 14,045	■ 32,785	-6,398
Utah	-2,767	-3,507	-1,837	-240	422	3,912	9,976
Washington	-1,175	-1,351	877	581	2,979	1,930	-3,200
West Virginia	-21,165	-24,447	-1,697	29,154	26,933	29,360	16,868
Wyoming	-611	-365	76	868	2,041	2,323	-426
Total	■ -317,777	■ -271,020	■ -18,136	■ 299,525	■ 385,078	■ 515,332	80,355

See footnotes at end of table

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

States	December 1991	November 1991	October 1991	September 1991	August 1991	July 1991
Arkansas	664	629	0	0	-14	-487
California	24,681	6,113	879	1,455	-3,416	-13,136
Colorado	598	-1,468	-1,759	-5,275	-4,430	-4,200
Illinois	34,113	17,558	-26,390	-32,897	-34,057	-28,745
Indiana	4,626	-802	-4,105	-4,467	-3,797	-2,813
Iowa	13,739	4,997	-10,757	-10,675	-6,433	-5,100
Kansas	-2,317	8,913	-10,235	-10,203	-6,977	-2,559
Kentucky	2,686	6,590	460	-3,437	-3,162	-5,327
Louisiana	30,877	12,743	-23,315	-18,632	-6,029	-11,877
Maryland	1,070	-334	-800	-2,084	-2,061	-1,392
Michigan	74,384	56,578	-32,872	-27,703	-46,233	-56,225
Minnesota	53	77	32	-93	4	-281
Mississippi	6,130	7,864	-3,107	-5,101	-2,102	-2,054
Missouri	12	-199	-219	-212	-302	-295
Montana	3,546	2,875	1,379	-120	-1,438	-1,711
Nebraska	2,382	402	154	-901	167	253
New Mexico	-1,002	147	9	-2,642	1,960	-1,031
New York	7,125	3,662	-5,237	-8,681	-8,498	-9,006
Ohio	27,910	12,644	-9,113	-16,055	-17,817	-16,173
Oklahoma	11,502	26,655	-4,702	-10,249	-4,757	-1,095
Oregon	487	-23	-339	-674	-1,092	-1,458
Pennsylvania	37,591	10,030	-13,835	-34,526	-29,625	-19,127
Texas	9,801	8,300	-856	-10,074	-4,559	-2,660
Utah	7,418	5,792	-560	-3,910	-3,813	-6,010
Washington	458	-1,040	1,040	5	60	-2,138
West Virginia	22,834	11,077	-3,606	-8,516	-9,816	-15,495
Wyoming	1,941	1,809	-54	-761	-1,628	-2,068
Total	322,991	201,590	-147,908	-216,387	-199,864	-214,221

* = Revised Data.

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, July 1993
(Volumes in Million Cubic Feet)**

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Arkansas	31,278	17,888	4,969	22,856	-1,892	-27.6	0	10
California	472,109	247,109	175,917	423,027	5,805	3.4	25,791	2,750
Colorado	105,790	45,210	27,989	73,199	3,396	13.8	3,785	1
Illinois	950,732	580,976	229,472	810,449	602	.3	34,071	3,384
Indiana	106,177	71,139	24,473	95,612	1,370	5.9	4,639	220
Iowa	279,700	154,574	82,114	236,688	-145	-.2	12,070	1,175
Kansas	291,058	188,826	64,089	252,916	6,102	10.5	10,253	4,781
Kentucky	210,242	105,481	87,794	193,275	7,382	9.2	7,727	171
Louisiana	539,200	252,172	154,186	406,359	17,325	12.7	36,884	3,046
Maryland	62,400	46,677	7,528	54,206	-1,461	-16.3	1,126	0
Michigan	1,043,782	420,682	396,956	817,638	29,549	8.0	86,402	735
Minnesota	7,000	4,655	1,894	6,549	-119	-5.9	409	0
Mississippi	114,827	48,049	51,828	99,876	422	.8	7,054	2,047
Missouri	30,564	21,600	8,104	29,704	-233	-2.8	108	6
Montana	375,010	169,892	87,257	257,149	-24,628	-22.0	1,969	800
Nebraska	93,312	27,312	57,914	85,226	-532	-.9	2,590	28
New Mexico	94,600	30,426	9,701	40,127	-568	-5.5	1,803	1,518
New York	167,835	102,978	51,917	154,895	-5,235	-9.2	11,631	1,536
Ohio	591,494	357,082	104,574	461,656	-16,731	-13.8	29,436	357
Oklahoma	359,616	176,765	139,769	316,534	-6,193	-4.2	16,007	1,090
Oregon	11,445	3,291	6,130	9,421	-387	-5.9	1,181	0
Pennsylvania	664,855	359,455	233,308	592,762	11,093	5.0	51,301	4,374
Texas	598,783	161,807	280,283	442,091	-40,602	-12.7	28,773	18,842
Utah	114,980	52,377	17,892	70,269	571	3.3	5,175	6
Washington	34,100	18,800	12,505	31,305	627	5.3	2,148	0
West Virginia	519,286	304,701	131,142	435,843	34,052	35.1	20,379	178
Wyoming	105,669	59,382	23,364	82,746	6,224	21.0	2,059	8
Total	7,975,643	4,029,305	2,473,072	6,502,377	13,341	5	404,772	47,062

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	June 1993	May 1993	April 1993
Alabama	35,043	33,087	29,883	1,636	2,839	5,847
Alaska	8,444	8,461	8,082	877	891	1,288
Arizona	18,220	19,559	20,914	1,093	1,294	2,171
Arkansas	30,511	26,297	26,381	1,309	2,255	4,966
California	294,903	276,050	304,914	25,112	29,407	36,246
Colorado	69,595	59,812	64,597	3,975	6,472	9,846
Connecticut	27,275	26,993	23,657	1,257	1,921	3,989
Delaware	5,871	5,655	4,961	242	447	1,016
District of Columbia	11,354	11,124	10,122	540	817	1,624
Florida	8,645	9,129	7,532	770	959	1,474
Georgia	68,440	62,045	54,699	3,108	4,445	9,284
Hawaii	294	287	291	47	44	48
Idaho	7,968	5,538	6,672	333	689	1,040
Illinois	301,765	276,849	271,142	12,728	18,271	42,452
Indiana	102,584	93,624	89,542	4,345	6,396	14,322
Iowa	52,775	45,084	48,695	1,815	3,460	7,618
Kansas	58,566	44,199	48,975	2,463	4,736	9,179
Kentucky	40,173	36,785	35,054	1,718	1,917	5,012
Louisiana	35,846	34,304	33,774	2,362	2,949	5,584
Maine	551	584	459	30	38	71
Maryland	49,191	47,434	42,593	2,441	3,418	6,595
Massachusetts	80,327	80,129	68,787	4,483	7,283	13,205
Michigan	233,885	226,331	212,699	11,337	18,067	34,718
Minnesota	77,031	67,615	70,057	3,568	5,368	10,757
Mississippi	18,478	16,852	16,289	940	1,453	2,936
Missouri	93,257	73,338	78,533	3,676	7,479	13,437
Montana	12,021	9,155	11,198	639	997	1,674
Nebraska	35,023	24,782	27,783	1,427	2,252	4,864
Nevada	13,264	11,425	12,484	910	1,087	1,503
New Hampshire	4,420	4,436	3,794	211	349	721
New Jersey	131,539	127,401	112,462	5,972	8,744	19,991
New Mexico	20,611	20,139	19,921	1,061	1,697	2,795
New York	251,959	249,435	219,201	13,173	20,560	39,121
North Carolina	32,553	28,454	24,806	1,038	1,974	5,025
North Dakota	7,043	6,010	6,608	350	568	1,082
Ohio	224,136	213,041	199,700	11,814	13,762	32,070
Oklahoma	53,529	42,013	44,829	2,336	3,915	6,038
Oregon	19,452	15,332	17,965	945	1,769	2,533
Pennsylvania	172,319	170,212	153,641	8,530	10,969	24,905
Rhode Island	13,697	13,492	11,380	671	1,117	2,200
South Carolina	16,608	14,823	12,739	493	943	2,522
South Dakota	7,881	6,344	6,852	370	606	1,153
Tennessee	37,676	33,532	31,695	1,343	2,274	5,606
Texas	137,470	127,179	132,295	8,551	6,781	17,544
Utah	32,827	27,119	32,671	1,845	3,055	4,375
Vermont	1,784	1,724	1,458	84	138	271
Virginia	42,466	40,064	34,246	1,616	2,413	5,809
Washington	34,829	25,360	30,418	2,676	3,191	4,766
West Virginia	22,850	23,149	20,882	954	1,594	3,530
Wisconsin	81,388	75,345	74,584	3,732	5,557	12,524
Wyoming	7,451	5,980	7,754	467	747	1,075
Total	3,145,986	2,905,072	2,830,628	163,110	230,394	450,222

See footnote at end of table

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

State	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992
Alabama	8,684	8,156	8,080	49,512	7,211	3,406
Alaska	1,471	2,138	2,079	14,350	1,682	1,442
Arizona	4,066	4,108	5,488	30,731	5,536	1,706
Arkansas	6,730	7,118	8,133	40,566	6,254	3,116
California	50,566	66,004	87,549	479,385	75,241	37,280
Colorado	14,948	15,899	18,455	94,482	15,673	7,568
Connecticut	6,171	7,302	6,635	42,201	5,828	3,859
Delaware	1,483	1,382	1,301	8,192	1,044	626
District of Columbia	2,838	2,795	2,740	16,651	2,222	1,319
Florida	1,917	1,863	1,662	14,519	1,781	965
Georgia	15,548	18,066	17,990	108,087	18,511	12,902
Hawaii	52	51	51	552	50	42
Idaho	1,699	1,951	2,266	9,801	1,934	1,018
Illinois	67,962	74,490	85,861	475,597	77,663	54,979
Indiana	23,916	25,644	27,761	153,048	24,299	15,978
Iowa	11,613	13,087	15,181	75,190	12,881	8,388
Kansas	12,859	13,524	15,804	70,552	12,565	8,013
Kentucky	9,241	11,198	11,087	61,827	10,567	6,976
Louisiana	7,945	6,415	8,590	54,990	8,328	4,187
Maine	115	153	144	866	110	69
Maryland	12,215	12,765	11,756	75,120	10,558	6,850
Massachusetts	18,299	18,816	18,241	120,079	14,458	10,082
Michigan	54,009	66,815	68,939	358,339	50,233	34,183
Minnesota	10,334	18,653	22,331	113,811	18,582	12,884
Mississippi	4,360	4,352	4,437	26,502	4,237	1,930
Missouri	21,536	21,888	25,241	118,212	20,455	11,056
Montana	2,591	2,490	3,631	16,814	3,091	1,807
Nebraska	7,316	7,750	11,405	41,702	7,135	4,593
Nevada	2,715	3,157	3,892	18,590	3,302	1,260
New Hampshire	1,009	1,081	1,048	6,449	750	526
New Jersey	31,606	34,599	30,826	198,943	27,619	17,997
New Mexico	4,021	4,731	6,306	30,813	5,091	1,953
New York	60,311	59,675	59,119	379,196	50,193	30,756
North Carolina	8,015	8,131	8,370	43,172	6,922	3,510
North Dakota	1,462	1,522	2,059	9,689	1,472	990
Ohio	52,407	50,420	55,663	341,461	49,672	34,264
Oklahoma	12,158	12,467	14,596	66,042	11,585	4,741
Oregon	3,844	4,570	5,790	24,921	4,331	2,186
Pennsylvania	42,213	43,867	41,835	266,396	36,580	24,788
Rhode Island	3,291	3,326	3,091	20,116	2,403	1,739
South Carolina	4,206	4,229	4,216	22,354	3,777	1,747
South Dakota	1,678	1,784	2,291	10,661	1,812	1,276
Tennessee	9,586	9,019	10,049	52,189	9,078	4,450
Texas	27,551	35,187	41,856	215,353	35,840	20,598
Utah	6,589	6,044	6,918	44,704	7,957	3,844
Vermont	433	446	412	2,520	308	205
Virginia	10,370	11,517	10,741	62,837	9,458	5,589
Washington	6,815	7,491	9,801	42,869	7,897	4,219
West Virginia	5,718	5,877	5,176	33,960	3,963	2,974
Wisconsin	18,077	18,478	23,020	124,024	19,175	13,299
Wyoming	1,526	1,659	1,978	10,149	1,798	983
Total	702,104	766,381	833,775	4,699,087	719,116	439,136

See footnote at end of table

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

State	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992
Alabama	1,730	1,374	1,312	1,413	1,774	2,717
Alaska	1,209	643	438	474	628	1,012
Arizona	1,082	942	882	1,025	1,225	1,306
Arkansas	1,503	1,090	1,118	1,168	1,363	1,848
California	24,428	21,983	22,034	22,790	24,094	26,414
Colorado	3,538	2,837	2,432	2,802	3,952	4,992
Connecticut	2,261	1,150	990	1,120	1,387	2,408
Delaware	307	183	179	198	301	528
District of Columbia	645	448	422	471	632	952
Florida	691	641	632	679	739	943
Georgia	5,271	3,203	2,974	3,162	3,527	4,708
Hawaii	42	43	42	45	48	47
Idaho	425	272	182	232	245	442
Illinois	28,780	13,789	11,177	10,399	12,972	22,505
Indiana	8,374	3,986	3,317	3,489	4,634	7,596
Iowa	3,740	1,893	1,674	1,552	2,195	3,349
Kansas	2,386	1,772	1,714	1,903	2,570	3,733
Kentucky	3,360	1,406	1,411	1,322	1,829	2,619
Louisiana	2,217	1,981	1,938	2,034	2,256	2,789
Maine	40	17	22	24	36	66
Maryland	4,036	2,026	2,067	2,151	2,575	4,004
Massachusetts	5,354	3,378	3,214	3,463	4,671	6,336
Michigan	20,799	9,410	8,632	8,750	11,895	21,488
Minnesota	6,483	3,027	2,530	2,708	3,137	5,147
Mississippi	972	638	801	872	957	1,279
Missouri	4,522	3,064	2,780	2,996	3,619	5,830
Montana	1,116	733	424	489	546	844
Nebraska	2,044	1,104	990	1,054	1,321	2,034
Nevada	747	624	543	690	714	825
New Hampshire	288	151	139	159	219	461
New Jersey	10,393	5,351	4,930	5,251	6,181	11,709
New Mexico	1,012	871	835	911	1,099	1,484
New York	18,634	10,011	9,652	10,514	13,473	23,835
North Carolina	1,818	821	769	879	1,352	2,270
North Dakota	457	285	214	260	311	613
Ohio	20,980	8,131	7,255	8,118	10,362	17,318
Oklahoma	2,246	1,762	1,719	1,956	2,559	3,232
Oregon	1,115	710	577	669	847	1,369
Pennsylvania	15,842	6,945	5,898	6,130	8,041	13,978
Rhode Island	591	534	423	636	771	1,461
South Carolina	790	408	385	423	596	1,032
South Dakota	607	318	256	287	324	643
Tennessee	1,876	1,094	1,046	1,114	1,430	2,175
Texas	8,586	7,645	7,492	8,013	8,678	10,289
Utah	1,802	1,321	1,255	1,406	1,524	1,966
Vermont	129	53	49	53	72	145
Virginia	3,329	1,477	1,416	1,505	1,800	3,290
Washington	2,227	1,306	954	907	1,377	2,366
West Virginia	1,811	781	630	652	1,054	1,980
Wisconsin	7,668	3,245	2,675	2,617	3,700	6,405
Wyoming	506	330	255	296	396	563
Total	241,065	137,170	125,699	131,830	162,205	251,353

See footnote at end of table.

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

State	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991
Alabama	5,017	5,495	9,278	8,795	46,149	6,395
Alaska	1,348	1,784	1,933	1,777	13,562	1,891
Arizona	2,803	3,902	4,586	8,067	31,353	4,864
Arkansas	3,508	5,433	6,669	7,158	40,839	5,481
California	37,300	46,844	61,552	77,846	508,697	67,035
Colorado	6,786	11,554	14,362	16,155	97,440	14,007
Connecticut	4,264	5,751	6,541	6,544	37,181	5,209
Delaware	947	1,158	1,417	1,303	7,189	892
District of Columbia	1,527	2,180	2,540	2,664	15,266	2,001
Florida	1,351	1,507	2,364	2,225	12,505	1,677
Georgia	7,341	12,855	14,495	19,119	95,662	15,512
Hawaii	46	48	50	51	545	46
Idaho	725	941	1,353	1,832	10,223	1,559
Illinois	40,775	59,216	63,042	60,337	466,970	71,109
Indiana	14,115	19,108	22,084	26,119	146,446	22,617
Iowa	5,695	5,517	11,685	12,432	78,501	12,377
Kansas	6,816	7,539	10,775	12,468	74,825	11,008
Kentucky	4,171	7,916	8,487	11,753	59,465	9,552
Louisiana	4,513	5,759	9,119	9,668	54,593	7,567
Maine	95	121	136	127	722	102
Maryland	7,051	9,770	11,573	12,431	69,235	9,951
Massachusetts	13,267	17,055	19,115	17,848	102,955	12,554
Michigan	36,323	47,750	52,520	56,354	337,205	49,150
Minnesota	10,413	14,039	15,944	18,935	117,149	15,529
Mississippi	2,457	2,852	4,579	4,719	25,756	3,525
Missouri	10,991	13,452	15,343	20,873	120,680	17,407
Montana	1,353	1,534	2,199	2,550	15,413	2,526
Nebraska	3,787	4,39	5,995	6,905	44,871	6,573
Nevada	1,432	2,151	2,652	3,521	19,135	2,541
New Hampshire	755	559	1,059	1,032	5,509	590
New Jersey	20,251	26,545	31,051	31,226	175,540	24,735
New Mexico	2,659	3,768	5,270	5,551	29,757	4,395
New York	41,551	53,494	59,004	55,079	335,892	46,258
North Carolina	4,552	5,235	7,419	7,523	37,575	5,547
North Dakota	1,002	1,128	1,455	1,500	10,335	1,459
Ohio	31,421	45,595	50,377	57,559	321,724	45,007
Oklahoma	5,955	7,325	10,599	12,213	66,200	10,059
Oregon	2,074	2,717	3,535	4,750	25,324	3,554
Pennsylvania	25,222	35,115	41,775	44,077	242,725	34,139
Rhode Island	2,295	2,502	3,125	3,031	17,355	2,155
South Carolina	2,291	2,545	4,054	4,195	19,512	3,122
South Dakota	1,004	1,212	1,509	1,552	11,215	1,555
Tennessee	4,534	5,025	5,503	10,254	45,355	7,515
Texas	14,555	21,275	32,042	40,239	222,200	32,540
Utah	3,154	4,570	7,133	5,422	50,572	7,541
Vermont	254	357	425	431	2,203	314
Virginia	5,922	6,005	10,172	10,575	54,199	7,752
Washington	3,721	4,599	5,542	7,255	45,222	5,335
West Virginia	3,550	4,430	5,541	5,555	32,555	4,715
Wisconsin	11,574	15,519	17,407	20,041	124,051	15,503
Wyoming	574	1,053	1,371	1,723	11,992	1,555
Total	431,143	575,144	655,342	755,555	4,555,531	555,445

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	June 1993	May 1993	April 1993
Alabama	15,859	15,116	14,039	1,180	1,542	2,533
Alaska	11,374	11,842	11,758	1,055	1,442	1,864
Arizona	18,373	15,893	16,226	2,050	1,864	2,423
Arkansas	18,406	15,788	15,943	1,076	1,536	2,913
California	142,631	154,557	151,662	18,966	19,526	19,736
Colorado	45,721	40,459	44,033	3,152	4,340	6,568
Connecticut	18,908	18,432	16,723	1,012	1,430	2,674
Delaware	3,381	3,261	2,722	139	281	569
District of Columbia	10,283	10,322	9,870	724	1,138	1,534
Florida	22,372	22,576	20,445	3,040	3,314	3,820
Georgia	33,517	30,784	28,821	2,546	3,063	4,807
Hawaii	1,082	1,090	1,072	183	168	177
Idaho	6,594	4,999	5,946	389	569	833
Illinois	119,753	110,371	110,910	5,047	7,665	17,422
Indiana	47,233	42,243	41,062	2,054	2,647	8,541
Iowa	30,571	25,958	28,049	1,149	2,024	4,296
Kansas	34,171	27,161	33,358	2,254	2,935	5,102
Kentucky	22,210	20,233	19,210	1,444	1,327	2,925
Louisiana	15,296	15,017	14,842	1,505	1,758	2,396
Maine	1,391	1,406	1,137	80	107	192
Maryland	26,592	25,796	22,618	1,546	2,093	3,741
Massachusetts	36,219	36,912	33,887	3,106	3,813	5,977
Michigan	113,129	108,040	105,079	5,972	8,946	18,061
Minnesota	51,929	47,724	49,954	2,530	3,555	7,212
Mississippi	12,239	10,716	10,320	958	1,100	1,769
Missouri	44,336	37,071	39,362	2,292	4,167	6,388
Montana	8,212	8,191	7,639	437	686	1,144
Nebraska	22,217	18,825	18,688	1,347	1,435	3,058
Nevada	10,138	9,298	10,077	1,055	1,345	1,318
New Hampshire	3,969	3,816	3,226	204	294	612
New Jersey	62,602	60,992	73,066	5,256	7,197	13,341
New Mexico	16,120	14,776	15,683	1,472	1,741	2,347
New York	129,018	134,389	116,597	10,778	11,200	20,341
North Carolina	22,059	20,903	19,819	1,414	1,784	3,284
North Dakota	6,479	5,711	6,361	347	477	926
Ohio	103,489	98,564	93,056	5,202	6,342	14,936
Oklahoma	26,299	21,261	24,508	1,443	2,054	3,732
Oregon	14,770	11,185	14,175	1,009	1,447	1,926
Pennsylvania	81,487	80,384	76,209	4,459	5,746	11,788
Rhode Island	5,492	5,322	4,621	330	430	908
South Carolina	9,739	9,531	8,891	554	980	1,467
South Dakota	6,565	5,144	5,602	343	532	896
Tennessee	31,452	28,013	27,852	2,021	2,617	4,626
Texas	108,994	86,437	99,631	15,169	12,350	16,820
Utah	12,780	10,400	13,205	560	1,075	1,605
Vermont	1,468	1,465	1,257	80	124	199
Virginia	31,127	28,713	26,112	2,097	2,729	4,671
Washington	26,965	21,702	25,668	1,924	2,801	4,175
West Virginia	13,554	13,162	12,153	990	1,187	1,887
Wisconsin	49,108	43,966	42,196	2,593	3,413	7,204
Wyoming	5,391	4,345	5,759	342	553	767
Total	1,732,485	1,616,255	1,601,249	125,507	153,059	256,861

See footnote at end of table

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

State	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992
Alabama	3,586	3,536	3,483	24,951	3,263	1,967
Alaska	2,052	2,472	2,488	21,299	2,390	1,928
Arizona	2,858	2,821	3,257	27,842	3,414	2,023
Arkansas	3,884	4,159	4,739	25,832	3,667	2,064
California	23,433	33,803	29,338	285,804	28,780	21,029
Colorado	9,531	10,235	11,894	66,308	10,265	5,581
Connecticut	4,286	4,816	4,490	29,547	3,826	2,592
Delaware	850	810	732	4,999	626	398
District of Columbia	2,144	2,414	2,328	18,165	1,929	1,107
Florida	4,019	4,009	4,169	41,895	4,125	3,522
Georgia	7,674	7,849	7,576	53,708	7,594	4,627
Hawaii	179	190	185	2,144	184	178
Idaho	1,302	1,884	1,817	8,971	1,564	893
Illinois	27,391	29,395	32,633	194,517	31,166	22,460
Indiana	10,961	11,915	12,915	72,552	12,067	8,128
Iowa	6,728	7,735	8,639	48,046	7,817	5,837
Kansas	7,151	7,669	9,061	51,966	7,235	4,699
Kentucky	5,183	5,598	5,734	35,485	5,494	4,070
Louisiana	3,105	3,237	3,293	25,669	3,141	1,923
Maine	291	364	356	2,184	282	186
Maryland	6,180	6,512	6,220	42,494	5,561	3,892
Massachusetts	6,544	6,627	6,152	60,720	6,779	5,288
Michigan	26,301	27,067	27,761	173,448	24,021	16,208
Minnesota	11,289	12,781	14,562	81,208	11,722	9,509
Mississippi	2,675	2,944	2,794	18,328	2,534	1,482
Missouri	9,879	10,244	11,366	59,573	9,195	5,131
Montana	1,751	1,715	2,480	11,606	2,103	1,276
Nebraska	4,608	4,709	7,160	34,824	4,953	4,000
Nevada	2,023	2,118	2,280	16,226	2,172	1,031
New Hampshire	912	974	994	5,866	715	515
New Jersey	19,219	20,061	17,728	131,106	16,440	10,997
New Mexico	2,834	3,459	4,266	27,073	4,137	2,276
New York	28,599	29,381	28,719	219,655	26,740	16,669
North Carolina	5,012	5,198	5,370	35,303	4,760	2,885
North Dakota	1,340	1,478	1,912	9,756	1,549	1,015
Ohio	25,384	26,552	25,073	158,637	23,534	14,908
Oklahoma	5,889	6,126	7,052	34,894	5,597	2,603
Oregon	2,877	3,367	4,144	19,514	3,157	1,647
Pennsylvania	19,653	20,667	19,175	131,483	18,000	12,471
Rhode Island	1,327	1,358	1,139	8,479	949	546
South Carolina	2,141	2,098	2,199	16,480	2,063	1,326
South Dakota	1,346	1,499	1,850	9,183	1,476	1,104
Tennessee	7,318	7,548	7,321	45,472	5,658	3,950
Texas	18,810	21,203	24,643	168,754	20,338	16,093
Utah	2,695	3,308	3,537	16,581	3,120	1,329
Vermont	350	368	347	2,319	269	211
Virginia	7,012	7,475	7,144	49,019	6,664	4,585
Washington	5,209	5,727	7,129	37,927	5,738	3,434
West Virginia	3,218	3,272	2,929	21,935	3,021	1,676
Wisconsin	10,773	12,112	13,012	73,452	11,299	8,124
Wyoming	1,104	1,199	1,425	7,470	1,265	700
Total	371,982	405,875	419,211	2,766,668	374,369	252,494

See footnote at end of table

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

State	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992
Alabama	1,311	1,126	1,069	1,099	1,209	1,491
Alaska	1,790	1,262	1,013	1,084	1,206	1,597
Arizona	1,754	1,601	1,504	1,654	1,754	1,620
Arkansas	1,212	1,024	1,019	1,058	1,103	1,349
California	19,149	19,282	21,738	21,269	22,213	27,256
Colorado	3,074	2,307	2,179	2,424	3,045	3,621
Connecticut	1,545	1,064	1,051	1,036	1,139	1,764
Delaware	242	164	153	167	199	310
District of Columbia	755	656	676	720	767	1,060
Florida	3,076	2,612	2,644	2,938	3,045	3,336
Georgia	3,199	2,461	2,502	2,542	2,597	3,099
Hawaii	166	178	173	174	184	177
Idaho	467	371	332	346	344	449
Illinois	12,247	6,553	5,963	5,757	4,863	8,772
Indiana	4,249	2,115	1,953	1,798	2,002	3,397
Iowa	2,645	1,434	1,258	1,100	1,426	1,875
Kansas	3,049	3,016	3,332	3,474	2,710	3,596
Kentucky	2,230	1,217	1,166	1,075	1,142	1,611
Louisiana	1,463	1,390	1,289	1,447	1,414	1,699
Maine	115	67	51	76	80	156
Maryland	2,490	1,615	1,566	1,553	1,784	2,390
Massachusetts	3,552	2,583	2,717	2,890	2,331	3,925
Michigan	9,743	5,452	4,980	5,004	5,889	10,359
Minnesota	5,073	2,633	2,303	2,245	2,476	3,606
Mississippi	947	683	680	903	900	1,006
Missouri	2,615	1,918	1,893	1,750	2,526	3,120
Montana	613	525	332	366	379	570
Nebraska	2,535	1,735	2,402	2,374	1,335	1,766
Nevada	990	679	631	1,024	954	1,020
New Hampshire	295	174	169	179	208	376
New Jersey	7,117	5,413	4,935	5,211	5,271	6,367
New Mexico	1,675	1,532	1,490	1,188	1,147	1,663
New York	12,967	9,695	9,577	9,419	10,023	13,654
North Carolina	2,051	1,635	1,546	1,524	1,676	2,145
North Dakota	576	363	262	279	298	524
Ohio	6,967	4,315	4,162	4,167	4,903	7,318
Oklahoma	1,452	1,245	1,292	1,424	1,546	1,786
Oregon	1,102	860	780	782	882	1,167
Pennsylvania	6,233	4,450	4,013	3,932	4,407	6,617
Rhode Island	345	398	475	444	493	662
South Carolina	994	669	677	617	940	1,057
South Dakota	558	325	284	291	303	460
Tennessee	2,361	1,954	1,704	1,833	2,017	2,449
Texas	10,359	10,101	12,207	13,220	9,624	11,446
Utah	545	405	372	410	457	642
Vermont	144	77	75	79	75	118
Virginia	3,167	1,860	2,001	2,027	2,203	3,166
Washington	2,250	1,719	1,505	1,578	1,830	2,350
West Virginia	1,363	882	839	791	960	1,214
Wisconsin	4,384	2,090	1,745	1,852	1,995	3,962
Wyoming	404	265	248	244	285	404
Total	163,807	118,938	119,746	121,059	122,565	167,613

See footnote at end of table.

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

State	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991
Alabama	2,240	2,780	3,736	3,660	23,711	2,968
Alaska	1,935	2,319	2,372	2,414	20,897	2,308
Arizona	2,584	3,178	3,290	3,467	27,633	3,081
Arkansas	2,091	3,263	3,811	4,171	25,986	3,297
California	18,415	24,477	23,946	38,250	287,618	27,380
Colorado	5,946	7,673	9,417	10,757	68,953	9,496
Connecticut	2,915	3,905	4,334	4,376	26,838	3,396
Delaware	541	691	760	749	4,253	541
District of Columbia	1,780	2,140	2,265	2,309	15,550	1,784
Florida	3,693	3,829	4,313	4,358	39,271	3,954
Georgia	4,366	5,754	6,918	8,040	51,036	6,670
Hawaii	183	174	180	190	2,148	185
Idaho	645	838	1,172	1,550	9,582	1,321
Illinois	17,380	23,099	26,168	30,088	193,849	28,564
Indiana	6,311	8,452	10,151	11,929	68,431	10,240
Iowa	3,878	4,942	6,700	7,135	48,559	7,159
Kansas	4,401	4,205	5,651	6,598	58,571	5,538
Kentucky	2,620	3,918	4,759	6,184	33,700	5,161
Louisiana	2,183	2,653	3,613	3,454	25,461	2,843
Maine	227	312	315	318	1,860	278
Maryland	3,805	5,121	6,377	6,318	38,117	5,132
Massachusetts	6,425	7,950	8,402	7,878	53,189	6,027
Michigan	17,653	22,915	24,765	26,460	165,561	23,131
Minnesota	7,509	10,119	11,064	12,949	85,875	12,580
Mississippi	1,495	1,756	2,737	2,822	17,743	2,208
Missouri	5,554	6,776	8,976	10,116	63,191	8,864
Montana	934	1,104	1,471	1,733	12,848	1,791
Nebraska	2,417	3,015	3,892	4,380	40,291	4,037
Nevada	1,347	1,740	1,889	2,348	16,968	1,977
New Hampshire	629	763	931	911	5,028	643
New Jersey	13,983	16,693	19,072	17,607	121,240	16,069
New Mexico	2,285	2,615	3,217	3,848	24,993	3,586
New York	23,218	27,933	30,121	29,420	199,623	25,124
North Carolina	3,217	3,881	4,939	5,044	34,314	4,162
North Dakota	937	1,082	1,380	1,490	10,734	1,536
Ohio	15,696	20,012	24,563	26,072	150,407	21,950
Oklahoma	2,927	3,667	5,242	6,111	39,596	5,654
Oregon	1,537	1,919	2,457	3,222	22,328	2,758
Pennsylvania	11,917	17,307	19,564	20,572	125,549	17,451
Rhode Island	800	1,103	1,149	1,095	8,277	896
South Carolina	1,422	1,727	2,135	2,251	15,796	1,917
South Dakota	828	1,063	1,174	1,315	9,476	1,286
Tennessee	4,193	5,200	6,816	7,338	45,955	6,159
Texas	12,962	14,294	16,843	21,266	181,760	20,713
Utah	1,155	1,866	2,951	3,330	19,282	2,704
Vermont	231	320	354	366	2,058	284
Virginia	4,360	5,749	6,432	6,783	44,077	5,701
Washington	3,195	3,874	4,862	5,592	41,805	5,065
West Virginia	2,030	2,730	3,056	3,173	21,037	2,766
Wisconsin	7,040	9,335	10,165	11,469	71,539	10,941
Wyoming	615	756	993	1,292	9,105	1,234
Total	246,656	312,985	361,861	404,575	2,729,668	350,493

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 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	June 1993	May 1993	April 1993
Alabama	89,159	84,586	75,780	13,481	13,742	14,936
Alaska	37,940	40,719	37,768	5,515	5,903	6,218
Arizona	10,115	10,099	9,911	1,316	1,679	1,867
Arkansas	54,784	60,219	52,059	8,038	8,438	8,867
California	215,125	244,632	297,200	34,751	36,459	34,133
Colorado	44,679	22,814	29,501	7,207	7,283	7,333
Connecticut	20,068	19,029	16,216	2,619	2,737	3,176
Delaware	9,934	8,617	8,404	1,516	1,632	1,726
District of Columbia	0	0	0	0	0	0
Florida	48,405	42,727	43,297	8,058	8,224	7,930
Georgia	82,143	87,925	83,561	13,438	13,412	13,607
Hawaii	0	0	0	0	0	0
Idaho	15,165	13,983	13,924	2,307	2,272	2,383
Illinois	162,769	159,610	156,331	19,604	21,652	24,082
Indiana	135,760	123,540	115,830	19,261	19,605	21,203
Iowa	49,050	50,151	47,763	5,839	7,763	7,845
Kansas	60,610	61,224	63,055	9,138	9,467	9,353
Kentucky	38,960	38,680	35,824	5,113	5,317	6,089
Louisiana	440,066	543,243	459,763	67,044	69,904	75,503
Maine	704	1,037	1,106	69	80	142
Maryland	24,339	25,848	24,589	3,735	3,862	3,829
Massachusetts	26,128	26,286	30,453	4,480	4,384	4,088
Michigan	169,916	164,081	142,313	24,872	24,736	27,466
Minnesota	47,275	49,103	47,667	7,166	6,228	7,067
Mississippi	55,689	58,682	51,391	8,820	8,978	9,606
Missouri	31,420	30,717	29,473	4,077	4,166	4,922
Montana	5,915	5,537	4,865	778	753	928
Nebraska	15,295	12,595	12,876	2,272	2,290	3,647
Nevada	11,432	3,252	3,345	2,203	2,036	2,754
New Hampshire	1,986	1,957	1,767	297	375	366
New Jersey	95,931	81,807	50,473	14,198	14,283	16,500
New Mexico	8,534	9,582	9,492	1,334	1,314	1,532
New York	76,363	74,639	61,089	10,042	10,943	12,742
North Carolina	48,326	47,943	42,025	7,900	7,654	8,128
North Dakota	3,256	3,101	2,412	482	467	504
Ohio	159,878	154,046	142,902	22,165	22,163	26,109
Oklahoma	89,253	91,990	89,139	13,291	14,491	14,612
Oregon	30,963	34,398	27,392	4,725	5,009	5,329
Pennsylvania	132,138	128,561	120,543	19,509	19,227	21,172
Rhode Island	18,855	19,285	11,018	3,153	3,271	3,093
South Carolina	47,383	48,104	41,762	7,905	7,380	7,989
South Dakota	2,485	2,388	2,475	340	346	364
Tennessee	59,940	62,821	59,233	7,615	10,149	9,423
Texas	916,612	955,477	820,913	153,447	132,008	158,940
Utah	25,270	23,714	20,544	3,254	3,164	3,527
Vermont	1,061	1,032	870	136	159	173
Virginia	46,712	35,017	29,995	7,710	5,065	7,327
Washington	46,855	41,937	39,759	6,335	7,562	7,503
West Virginia	24,064	21,509	20,268	3,665	3,808	3,994
Wisconsin	71,643	68,029	68,471	7,990	8,747	11,926
Wyoming	22,774	24,678	15,958	3,628	4,168	3,925
Total	3,833,131	3,921,161	3,572,766	581,841	574,775	635,675

See footnotes at end of table

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

State	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992
Alabama	15,876	15,204	15,920	169,019	14,861	14,735
Alaska	6,255	6,295	7,754	80,897	7,882	7,333
Arizona	1,979	1,561	1,713	20,414	1,952	1,613
Arkansas	10,181	9,217	10,043	118,020	10,454	9,794
California	38,195	39,026	32,563	474,578	39,247	40,014
Colorado	7,182	7,642	8,032	47,768	5,473	4,511
Connecticut	3,903	4,043	3,590	36,384	3,490	3,102
Delaware	1,776	1,571	1,713	18,113	1,766	1,899
District of Columbia	0	0	0	0	0	0
Florida	8,376	7,997	7,821	82,333	7,367	6,754
Georgia	14,050	13,545	14,091	172,272	13,942	14,103
Hawaii	0	0	0	0	0	0
Idaho	2,759	2,718	2,726	26,991	2,618	2,504
Illinois	31,780	33,401	32,249	303,146	31,704	28,893
Indiana	25,475	24,817	25,399	242,255	24,469	22,185
Iowa	9,430	9,034	9,140	101,736	9,580	9,779
Kansas	10,179	11,665	10,807	131,386	13,418	12,557
Kentucky	7,381	7,751	7,309	73,364	6,929	6,753
Louisiana	75,882	73,504	78,228	990,471	74,862	74,939
Maine	136	126	152	2,046	165	207
Maryland	4,626	4,276	4,210	49,633	4,174	4,320
Massachusetts	4,441	4,303	4,430	49,090	3,563	3,813
Michigan	31,945	31,055	29,841	308,689	27,802	26,677
Minnesota	8,809	8,659	9,346	92,882	8,899	8,825
Mississippi	9,623	8,632	10,030	115,130	9,563	9,421
Missouri	5,986	5,727	6,541	58,267	5,791	5,286
Montana	1,189	1,064	1,203	12,068	1,263	1,327
Nebraska	2,743	1,807	2,536	25,728	2,346	2,544
Nevada	1,483	1,141	1,816	6,375	529	533
New Hampshire	325	304	318	3,767	287	301
New Jersey	16,846	16,874	17,230	172,511	16,038	16,822
New Mexico	1,416	1,457	1,480	17,921	1,603	1,454
New York	14,533	13,927	14,175	145,551	15,480	12,410
North Carolina	8,683	7,691	8,270	84,044	7,949	7,975
North Dakota	582	586	635	5,917	570	525
Ohio	30,705	29,456	29,280	295,101	29,314	26,597
Oklahoma	15,378	15,046	16,435	179,474	15,342	14,751
Oregon	5,457	4,878	5,565	73,471	5,833	6,395
Pennsylvania	24,911	23,817	23,501	244,636	21,913	21,524
Rhode Island	3,130	3,069	3,138	37,668	3,153	2,954
South Carolina	8,761	7,428	7,920	94,516	6,992	8,329
South Dakota	459	462	515	4,536	526	414
Tennessee	10,450	10,372	11,931	123,736	10,493	10,705
Texas	168,015	150,457	153,745	1,929,247	187,910	153,892
Utah	4,062	5,142	6,121	46,356	5,112	4,636
Vermont	191	187	215	1,958	196	169
Virginia	8,191	9,401	9,020	71,346	5,573	5,941
Washington	8,979	8,143	8,313	84,030	7,255	7,019
West Virginia	4,452	3,962	4,182	43,690	4,225	3,854
Wisconsin	13,829	14,159	14,993	128,883	13,723	12,412
Wyoming	2,995	3,789	4,269	49,790	4,150	3,923
Total	693,992	666,391	680,457	7,657,241	677,724	647,422

See footnotes at end of table

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

State	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992
Alabama	13,959	13,572	13,287	14,009	13,762	13,921
Alaska	7,806	4,839	5,353	6,964	6,314	6,899
Arizona	1,743	1,643	1,663	1,702	1,697	1,623
Arkansas	9,644	9,670	9,211	9,028	8,994	9,758
California	32,765	42,482	40,160	35,276	36,165	47,703
Colorado	4,235	3,882	3,358	3,495	3,452	3,268
Connecticut	2,867	2,732	2,643	2,522	2,621	2,775
Delaware	1,796	1,437	1,358	1,241	1,346	1,505
District of Columbia	0	0	0	0	0	0
Florida	6,092	6,419	6,509	6,465	6,802	7,066
Georgia	14,223	13,850	13,856	14,373	13,987	14,378
Hawaii	0	0	0	0	0	0
Idaho	2,354	1,897	1,659	1,977	2,243	2,289
Illinois	24,758	21,167	18,791	20,223	19,422	22,974
Indiana	20,515	17,974	16,678	16,894	17,505	18,571
Iowa	8,464	7,875	7,734	8,173	7,894	7,801
Kansas	13,617	10,166	10,159	10,248	10,110	9,687
Kentucky	5,992	5,057	5,245	4,726	5,197	5,498
Louisiana	80,646	71,952	71,020	73,809	70,611	86,893
Maine	152	164	162	161	157	172
Maryland	3,923	3,648	3,741	3,980	3,754	3,960
Massachusetts	3,930	4,051	4,065	3,383	3,886	4,555
Michigan	24,210	21,300	22,088	20,529	22,801	25,258
Minnesota	6,973	6,242	6,367	6,473	6,156	6,976
Mississippi	9,623	9,511	8,805	9,326	9,374	9,494
Missouri	4,598	3,918	4,086	3,889	4,079	4,263
Montana	1,122	1,055	893	871	772	831
Nebraska	2,179	2,004	2,044	2,015	2,082	1,699
Nevada	619	451	503	488	540	562
New Hampshire	266	331	328	297	296	306
New Jersey	15,683	13,758	14,519	13,885	13,873	12,675
New Mexico	1,569	1,295	1,325	1,092	1,055	1,386
New York	11,278	11,059	10,190	10,496	10,693	10,890
North Carolina	7,932	7,447	7,676	7,120	7,580	7,730
North Dakota	484	408	390	438	420	446
Ohio	24,002	21,189	19,938	20,014	21,152	22,231
Oklahoma	13,602	14,253	14,619	14,917	14,321	14,727
Oregon	7,029	6,903	6,651	6,262	5,421	4,733
Pennsylvania	19,144	17,994	17,537	17,963	17,282	19,357
Rhode Island	3,029	2,970	2,977	3,299	3,068	3,148
South Carolina	7,607	7,810	7,729	7,945	8,145	8,182
South Dakota	330	278	246	356	323	346
Tennessee	10,337	9,594	9,767	10,019	9,160	9,452
Texas	155,125	166,255	162,873	167,715	156,311	167,691
Utah	3,635	3,077	3,097	3,066	3,199	3,172
Vermont	167	145	130	119	128	149
Virginia	4,773	5,697	6,307	6,038	4,874	5,446
Washington	7,198	6,482	6,232	5,907	6,517	6,316
West Virginia	3,809	3,481	3,451	3,360	3,467	3,439
Wisconsin	10,162	8,648	8,195	7,714	8,713	9,576
Wyoming	4,358	4,327	4,048	4,306	4,425	4,147
Total	620,321	602,358	591,665	596,569	584,147	636,174

See footnotes at end of table

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

State	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991
Alabama	13,568	14,967	13,887	14,491	154,825	13,500
Alaska	6,692	6,558	6,907	7,350	75,637	6,909
Arizona	1,727	1,813	1,671	1,567	19,204	1,844
Arkansas	9,747	10,751	9,815	11,154	104,850	9,638
California	26,800	38,776	43,267	49,871	602,619	49,535
Colorado	3,784	3,824	4,159	4,347	56,176	5,290
Connecticut	3,241	3,672	3,376	3,343	32,680	3,229
Delaware	1,552	1,434	1,413	1,366	16,147	1,332
District of Columbia	0	0	0	0	0	0
Florida	7,189	7,280	6,711	7,679	83,398	7,763
Georgia	14,578	15,690	14,536	14,756	167,098	13,913
Hawaii	0	0	0	0	0	0
Idaho	2,245	2,466	2,246	2,493	26,662	2,483
Illinois	25,862	29,603	30,058	31,692	302,691	31,841
Indiana	19,536	22,700	21,807	23,421	227,769	22,133
Iowa	8,258	8,903	8,427	8,868	97,446	8,834
Kansas	10,603	9,921	9,590	11,314	123,517	10,905
Kentucky	6,195	7,152	7,037	7,603	71,637	7,072
Louisiana	96,724	97,065	92,636	99,314	924,662	78,739
Maine	219	203	159	127	2,207	203
Maryland	4,481	5,126	4,272	4,255	47,150	4,418
Massachusetts	5,637	4,248	3,980	3,980	54,750	4,035
Michigan	28,742	31,251	28,495	27,536	271,987	27,166
Minnesota	7,866	8,650	9,631	9,823	92,251	8,422
Mississippi	10,031	10,581	8,690	10,711	104,622	9,360
Missouri	5,027	5,531	5,485	6,332	57,186	5,664
Montana	860	853	1,085	1,135	9,873	1,221
Nebraska	2,130	2,051	2,334	2,300	24,758	2,156
Nevada	560	564	489	537	6,624	513
New Hampshire	416	310	325	303	3,457	268
New Jersey	13,993	13,751	13,737	13,576	100,768	9,021
New Mexico	1,645	1,544	1,913	2,040	19,346	2,576
New York	12,284	13,783	13,996	12,993	118,944	12,252
North Carolina	7,802	8,799	8,126	7,926	84,863	7,304
North Dakota	472	608	528	627	5,123	603
Ohio	26,523	26,362	28,611	29,168	279,750	26,819
Oklahoma	14,659	16,086	15,868	16,528	180,695	15,711
Oregon	4,904	5,452	6,929	6,959	55,049	4,832
Pennsylvania	21,442	23,856	23,540	23,084	231,375	21,156
Rhode Island	3,393	3,176	3,525	2,976	26,867	3,303
South Carolina	8,187	8,983	7,634	6,973	85,790	6,841
South Dakota	416	482	439	380	4,658	368
Tennessee	10,996	11,059	10,671	11,483	115,786	10,622
Texas	161,117	166,927	138,250	165,181	1,772,691	166,382
Utah	3,513	4,218	4,314	5,299	43,120	5,903
Vermont	141	223	200	190	1,717	187
Virginia	6,081	6,350	6,072	6,194	59,962	5,103
Washington	6,668	7,132	7,464	7,840	79,735	7,688
West Virginia	3,618	3,838	3,465	3,662	40,889	3,453
Wisconsin	11,635	13,128	12,953	12,024	128,798	13,287
Wyoming	3,874	4,085	4,096	4,050	33,174	3,265
Total	647,616	691,784	654,617	706,823	7,230,963	664,662

R = Revised Data.

NA = Not Available.

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

Source: Form EIA-857.

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

State	YTD 1993	YTD 1992	YTD 1991	June 1993	May 1993	April 1993
Alabama	1,598	1,659	1,752	418	266	144
Alaska	14,085	13,935	16,977	2,027	2,105	2,155
Arizona	7,603	13,501	7,492	1,397	1,766	1,402
Arkansas	3,089	16,531	14,891	1,646	267	311
California	202,326	242,760	185,799	31,453	17,816	32,390
Colorado	2,469	2,086	2,153	398	278	354
Connecticut	138	1,324	783	13	8	10
Delaware	2,019	3,674	6,440	953	272	322
District of Columbia	0	0	0	0	0	0
Florida	82,103	103,460	97,690	18,980	16,262	12,549
Georgia	588	232	155	398	74	33
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	3,298	6,345	5,316	1,089	377	445
Indiana	2,520	5,105	2,940	245	273	437
Iowa	1,158	993	1,466	176	233	238
Kansas	5,816	5,829	14,925	2,037	846	849
Kentucky	103	132	116	22	19	27
Louisiana	85,415	126,784	114,967	26,473	13,920	10,869
Maine	0	0	0	0	0	0
Maryland	2,357	4,321	5,998	647	385	187
Massachusetts	12,155	13,419	15,339	2,606	2,513	3,815
Michigan	9,020	13,905	9,347	1,685	1,345	925
Minnesota	1,248	2,707	2,865	282	297	185
Mississippi	13,244	31,129	28,226	3,987	2,968	1,335
Missouri	588	822	5,047	224	54	63
Montana	65	74	127	13	13	4
Nebraska	662	847	1,662	114	137	148
Nevada	9,482	11,260	8,405	1,852	2,157	1,695
New Hampshire	133	0	0	36	91	6
New Jersey	9,088	12,930	29,813	4,252	1,278	329
New Mexico	13,543	10,527	13,408	2,710	2,067	2,811
New York	79,156	104,326	91,748	19,450	12,276	14,335
North Carolina	1,035	1,388	1,350	323	100	99
North Dakota	0	1	0	0	0	0
Ohio	1,587	1,801	1,363	149	135	102
Oklahoma	63,973	72,508	75,055	13,982	10,542	10,485
Oregon	5,192	4,790	555	15	0	0
Pennsylvania	4,408	1,010	1,130	814	211	337
Rhode Island	82	301	612	82	0	0
South Carolina	462	1,036	1,499	311	24	21
South Dakota	15	5	104	1	2	0
Tennessee	217	175	1	132	15	14
Texas	455,318	431,462	461,714	111,153	74,821	71,510
Utah	3,475	3,624	2,156	422	507	592
Vermont	115	427	443	79	18	15
Virginia	8,336	5,993	3,442	1,229	174	1,317
Washington	4,562	1,540	41	0	0	683
West Virginia	63	108	52	13	4	11
Wisconsin	1,453	1,453	1,479	297	222	343
Wyoming	60	44	33	13	7	7
Total	1,115,429	1,278,284	1,237,569	254,601	167,146	173,709

See footnotes at end of table.

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

State	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992
Alabama	215	306	249	3,368	171	382
Alaska	2,482	2,535	2,781	28,953	2,721	2,756
Arizona	1,921	588	530	30,939	328	597
Arkansas	280	283	322	27,015	246	209
California	38,720	40,118	41,829	564,432	47,146	50,027
Colorado	514	394	531	5,019	526	596
Connecticut	20	62	25	2,100	28	18
Delaware	253	55	184	8,384	580	586
District of Columbia	0	0	0	0	0	0
Florida	12,232	11,459	10,821	202,576	10,390	12,389
Georgia	22	49	12	1,162	13	12
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	482	396	509	9,293	370	279
Indiana	457	450	658	7,772	824	625
Iowa	169	106	236	2,266	193	207
Kansas	920	670	694	13,981	809	534
Kentucky	11	12	12	269	20	23
Louisiana	14,087	9,246	10,820	254,922	11,705	13,510
Maine	0	0	0	0	0	0
Maryland	560	349	229	11,575	430	489
Massachusetts	2,955	128	138	38,341	227	3,903
Michigan	1,380	1,904	1,781	24,908	1,727	1,994
Minnesota	164	144	176	4,906	231	336
Mississippi	2,114	1,249	1,591	54,180	1,625	1,643
Missouri	113	75	59	2,351	67	85
Montana	15	16	4	220	8	47
Nebraska	111	48	104	1,903	136	191
Nevada	2,305	926	547	24,355	436	808
New Hampshire	0	0	0	633	0	0
New Jersey	1,508	1,383	338	38,772	681	1,209
New Mexico	2,793	1,699	1,463	22,486	1,408	1,440
New York	12,983	9,569	10,543	208,731	10,640	11,688
North Carolina	141	205	167	3,159	169	165
North Dakota	0	0	0	1	0	0
Ohio	417	432	352	2,956	53	90
Oklahoma	10,268	9,249	9,447	148,980	10,120	8,514
Oregon	1,990	2,074	1,113	14,264	977	1,373
Pennsylvania	1,133	1,156	757	3,100	262	148
Rhode Island	0	0	0	469	0	0
South Carolina	69	20	17	1,795	5	82
South Dakota	10	2	0	48	9	27
Tennessee	15	21	20	291	25	10
Texas	75,318	59,828	62,686	968,165	68,751	72,018
Utah	697	557	700	6,576	542	138
Vermont	1	1	1	801	1	28
Virginia	1,776	1,978	1,862	10,936	839	11
Washington	1,836	1,896	147	5,385	9	4
West Virginia	6	19	10	201	8	9
Wisconsin	318	130	143	2,584	146	207
Wyoming	15	8	10	83	7	8
Total	193,795	161,778	164,400	2,765,608	175,608	189,296

See footnotes at end of table.

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

State	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992
Alabama	234	305	296	322	307	350
Alaska	2,514	2,311	2,374	2,342	2,204	2,116
Arizona	2,631	4,607	5,277	3,999	2,778	3,300
Arkansas	733	2,324	2,828	4,145	3,788	3,661
California	53,026	53,989	66,474	51,011	36,692	41,667
Colorado	493	469	479	570	355	357
Connecticut	19	14	291	407	318	131
Delaware	581	851	1,140	971	1,034	598
District of Columbia	0	0	0	0	0	0
Florida	12,525	21,036	20,829	21,946	21,623	19,942
Georgia	65	66	120	654	75	24
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	301	554	589	854	998	955
Indiana	156	301	370	468	760	1,066
Iowa	200	135	277	262	208	155
Kansas	546	1,395	2,036	2,833	1,388	1,365
Kentucky	19	23	28	23	28	16
Louisiana	18,382	23,855	26,733	33,952	30,520	26,127
Maine	0	0	0	0	0	0
Maryland	665	1,228	1,457	3,004	1,367	974
Massachusetts	3,683	4,664	4,803	7,643	5,418	3,630
Michigan	1,675	1,738	2,421	1,449	1,473	2,126
Minnesota	210	440	473	509	491	352
Mississippi	1,616	5,419	5,359	7,189	5,227	6,629
Missouri	67	66	200	1,025	131	176
Montana	32	10	20	29	20	26
Nebraska	210	280	85	163	139	111
Nevada	1,968	2,761	3,629	3,491	3,091	2,681
New Hampshire	16	499	118	0	0	0
New Jersey	1,562	3,860	6,351	12,179	3,330	1,794
New Mexico	1,803	2,183	2,594	2,532	1,911	2,444
New York	13,307	21,841	22,006	25,124	23,875	20,936
North Carolina	127	336	361	614	341	180
North Dakota	0	0	0	0	0	0
Ohio	217	243	288	264	173	339
Oklahoma	9,300	15,806	15,714	17,018	14,312	13,004
Oregon	1,789	2,045	1,854	1,437	661	0
Pennsylvania	262	274	320	824	345	129
Rhode Island	0	11	78	80	90	78
South Carolina	22	42	62	525	202	10
South Dakota	2	1	5	0	1	1
Tennessee	18	15	7	40	35	33
Texas	80,276	95,796	99,748	120,114	97,150	76,427
Utah	665	542	550	517	509	627
Vermont	122	2	34	186	160	122
Virginia	25	714	945	2,408	1,014	909
Washington	426	523	2,698	185	1,028	195
West Virginia	6	18	24	26	47	28
Wisconsin	134	249	178	219	259	269
Wyoming	8	6	5	5	8	4
Total	212,640	273,670	302,544	333,567	265,882	236,316

See footnotes at end of table.

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

State	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991
Alabama	216	315	204	267	4,081	312
Alaska	2,410	2,449	2,258	2,498	31,330	2,489
Arizona	2,300	1,953	1,719	1,451	23,282	355
Arkansas	1,058	2,403	2,080	311	27,903	309
California	43,478	42,382	39,134	39,387	449,014	36,246
Colorado	243	494	309	328	5,715	704
Connecticut	391	424	28	34	4,702	40
Delaware	593	526	487	456	14,354	982
District of Columbia	0	0	0	0	0	0
Florida	18,239	17,249	14,042	12,365	201,319	13,027
Georgia	106	14	10	3	638	20
Hawaii	0	0	0	0	0	0
Idaho	0	0	0	0	0	0
Illinois	943	1,720	880	869	12,888	867
Indiana	605	535	1,030	1,119	10,043	1,851
Iowa	195	157	182	96	3,671	239
Kansas	910	717	694	735	36,122	739
Kentucky	23	16	14	35	227	19
Louisiana	22,298	20,481	13,176	14,182	254,245	12,093
Maine	0	0	0	0	0	0
Maryland	772	694	244	270	18,059	319
Massachusetts	3,795	463	54	59	39,133	266
Michigan	2,616	3,171	2,574	2,045	23,736	2,594
Minnesota	316	508	703	337	5,570	384
Mississippi	5,676	5,152	5,439	2,604	62,409	2,712
Missouri	79	186	143	107	12,709	97
Montana	11	7	4	6	268	29
Nebraska	211	213	76	97	3,689	368
Nevada	2,152	1,499	1,093	744	21,738	687
New Hampshire	0	0	0	0	0	0
New Jersey	3,875	2,975	487	486	61,874	1,141
New Mexico	1,981	1,288	1,306	1,597	26,100	1,526
New York	18,809	17,383	13,500	9,843	211,640	12,968
North Carolina	159	206	233	269	3,020	262
North Dakota	0	0	1	0	1	0
Ohio	409	309	259	312	3,237	137
Oklahoma	13,652	12,412	9,258	9,870	167,214	5,716
Oregon	0	0	2,005	2,124	10,856	1,919
Pennsylvania	138	176	126	94	2,037	193
Rhode Island	90	43	0	0	1,636	7
South Carolina	13	793	3	15	9,823	7
South Dakota	0	1	0	2	177	1
Tennessee	37	48	5	17	211	26
Texas	74,644	66,472	54,754	62,015	1,006,051	63,406
Utah	642	647	573	626	5,190	617
Vermont	122	20	1	2	1,091	13
Virginia	1,036	805	1,111	1,118	9,471	741
Washington	293	6	7	11	139	23
West Virginia	7	5	5	16	140	21
Wisconsin	345	351	116	113	2,706	154
Wyoming	12	6	5	9	76	5
Total	229,012	207,656	170,293	169,125	2,789,014	169,931

* 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	June 1993	May 1993	April 1993
Alabama	141,659	134,437	121,455	16,716	18,390	23,259
Alaska	71,843	74,956	74,586	9,174	10,341	11,524
Arizona	51,311	59,050	54,543	5,556	6,602	7,862
Arkansas	106,789	118,634	109,074	12,067	12,495	17,057
California	555,187	917,998	939,596	108,312	103,208	122,504
Colorado	162,464	125,171	140,283	14,733	18,373	24,101
Connecticut	66,367	65,778	57,379	4,901	6,095	10,048
Delaware	21,205	21,197	22,527	2,550	2,632	3,633
District of Columbia	21,636	21,447	19,991	1,265	1,555	3,158
Florida	161,526	177,691	166,962	30,648	28,759	25,774
Georgia	184,668	180,985	167,337	19,492	20,994	27,731
Hawaii	1,376	1,377	1,363	231	213	225
Idaho	29,727	24,519	26,541	3,029	3,530	4,256
Illinois	587,564	555,176	543,700	38,468	47,966	64,401
Indiana	288,096	264,511	249,373	25,905	29,121	42,503
Iowa	133,555	122,165	125,974	8,979	13,480	19,997
Kansas	159,163	138,413	160,312	15,692	17,963	24,284
Kentucky	101,448	95,830	90,204	8,297	8,579	14,053
Louisiana	576,522	719,350	623,346	97,384	88,530	94,355
Maine	2,647	3,027	2,702	179	226	405
Maryland	102,480	103,399	95,798	8,670	9,758	14,152
Massachusetts	156,829	156,746	148,445	14,674	17,993	27,086
Michigan	525,949	512,357	469,437	43,865	53,094	61,171
Minnesota	177,483	167,150	170,543	13,546	15,468	25,220
Mississippi	99,650	117,581	106,204	14,704	14,500	15,546
Missouri	169,603	141,948	152,415	10,270	15,667	24,510
Montana	26,214	20,957	23,827	1,866	2,450	3,750
Nebraska	73,198	55,050	61,009	5,159	6,114	11,717
Nevada	44,315	35,236	34,311	6,020	6,625	7,269
New Hampshire	10,529	10,212	8,786	749	1,111	1,705
New Jersey	319,360	303,130	265,554	29,678	31,501	50,161
New Mexico	55,508	55,024	58,514	6,578	6,820	9,485
New York	536,495	562,769	486,634	53,442	54,980	65,538
North Carolina	103,975	98,688	87,999	10,675	11,513	16,536
North Dakota	16,778	14,823	15,381	1,179	1,512	2,511
Ohio	489,091	467,452	437,021	39,330	42,402	73,216
Oklahoma	233,054	227,793	234,432	31,053	31,003	36,667
Oregon	70,378	65,706	60,087	6,694	6,225	9,787
Pennsylvania	390,351	380,167	351,522	33,313	36,153	56,201
Rhode Island	38,127	38,400	27,611	4,237	4,818	6,201
South Carolina	74,193	73,494	64,891	9,554	9,327	11,999
South Dakota	16,948	13,880	15,034	1,054	1,486	2,513
Tennessee	129,485	124,541	118,781	11,111	15,055	19,669
Texas	1,618,393	1,600,556	1,514,554	288,319	225,960	264,514
Utah	74,352	64,856	68,576	6,062	7,800	10,099
Vermont	4,429	4,548	4,026	380	438	558
Virginia	126,641	109,789	93,795	12,651	10,382	19,124
Washington	113,211	90,539	95,806	10,935	13,574	17,127
West Virginia	60,530	57,930	53,356	5,623	6,563	9,522
Wisconsin	203,592	188,793	186,729	14,611	17,940	31,996
Wyoming	35,677	35,047	29,503	4,450	5,475	5,774
Total	9,827,029	9,720,771	9,242,212	1,125,059	1,125,374	1,516,457

Source: U.S. Energy Information Administration, "Natural Gas Monthly," September 1993. Data are preliminary for 1993 and 1992. Data for 1991 are final.

See footnotes at end of tables.

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

State	March 1993	February 1993	January 1993	Total 1992	December 1992	November 1992
Alabama	28,360	27,204	27,731	246,851	25,506	20,489
Alaska	12,261	13,441	15,102	145,499	14,676	13,459
Arizona	10,625	9,078	10,988	109,925	11,229	5,938
Arkansas	21,176	20,757	23,236	211,434	20,621	15,163
California	150,934	178,951	191,279	1,804,199	190,413	148,350
Colorado	32,176	34,170	36,913	213,576	31,956	18,075
Connecticut	14,381	16,223	14,740	110,231	13,172	9,571
Delaware	4,363	3,818	3,910	39,686	4,015	3,511
District of Columbia	4,982	5,209	5,066	32,816	4,151	2,426
Florida	26,544	25,327	24,273	341,322	23,663	23,631
Georgia	37,293	39,509	39,668	335,209	40,061	31,643
Hawaii	230	242	236	2,696	234	221
Idaho	5,760	6,353	6,799	45,563	6,116	4,415
Illinois	127,615	137,662	151,452	982,553	140,903	104,611
Indiana	60,806	63,026	66,734	475,626	61,659	46,616
Iowa	27,940	29,962	33,197	225,237	30,450	24,207
Kansas	31,110	33,529	36,366	267,885	34,026	23,803
Kentucky	21,517	24,557	24,142	170,966	23,011	17,822
Louisiana	101,018	94,403	100,931	1,326,052	98,036	94,559
Maine	542	643	652	5,096	557	461
Maryland	23,582	23,903	22,416	178,622	20,724	16,531
Massachusetts	34,239	31,675	30,962	266,231	25,027	23,066
Michigan	112,635	116,861	118,323	865,384	103,784	81,062
Minnesota	36,597	40,237	46,416	292,806	39,434	31,555
Mississippi	16,772	17,177	16,662	214,140	17,959	14,657
Missouri	37,514	37,914	43,206	238,423	35,506	21,556
Montana	5,546	5,265	7,317	40,706	4,465	4,467
Nebraska	14,678	14,324	21,205	104,167	14,569	11,326
Nevada	8,525	7,342	8,536	65,547	6,440	3,631
New Hampshire	2,245	2,369	2,361	16,714	1,762	1,342
New Jersey	69,180	72,918	65,922	541,331	60,779	47,025
New Mexico	11,064	11,346	13,515	96,293	12,240	7,124
New York	116,426	112,652	112,556	963,133	103,063	71,743
North Carolina	21,660	21,222	22,178	175,678	19,800	14,535
North Dakota	3,384	3,566	4,606	25,363	3,592	2,530
Ohio	106,913	114,860	110,369	796,155	102,573	75,859
Oklahoma	43,692	42,910	47,531	429,390	42,645	30,610
Oregon	14,166	14,890	16,613	132,170	14,296	11,601
Pennsylvania	67,909	69,507	65,266	645,515	76,754	56,931
Rhode Island	7,749	7,754	7,369	66,734	6,506	5,239
South Carolina	15,177	13,775	14,352	135,144	12,836	11,487
South Dakota	3,492	3,747	4,657	24,646	3,823	2,823
Tennessee	27,369	26,960	29,321	221,667	25,253	19,115
Texas	289,695	266,675	262,930	3,261,519	292,839	262,601
Utah	14,044	17,051	19,277	114,217	16,730	9,946
Vermont	976	1,003	976	7,598	775	613
Virginia	27,348	30,371	26,766	194,138	22,533	16,126
Washington	22,636	23,257	25,479	170,211	20,898	14,676
West Virginia	13,395	13,130	12,297	99,786	11,217	8,713
Wisconsin	42,997	44,879	51,166	326,943	44,333	34,041
Wyoming	5,640	6,655	7,662	67,462	7,216	5,614
Total	1,961,872	2,000,424	2,097,543	17,886,604	1,946,817	1,526,348

See footnotes at end of tables

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

State	October 1992	September 1992	August 1992	July 1992	June 1992	May 1992
Alabama	17,234	16,377	15,984	16,844	17,052	16,478
Alaska	13,319	9,046	9,178	10,865	10,352	11,624
Arizona	7,209	8,792	9,326	8,379	7,453	7,849
Arkansas	13,092	14,109	14,177	15,418	15,248	16,532
California	129,266	137,716	150,406	129,948	121,163	146,110
Colorado	11,341	9,294	8,447	9,290	10,804	12,236
Connecticut	6,691	4,959	4,975	5,084	5,464	7,075
Delaware	2,929	2,634	2,830	2,576	2,861	2,942
District of Columbia	1,400	1,104	1,098	1,191	1,399	2,012
Florida	22,366	30,910	30,814	32,026	32,209	31,290
Georgia	22,757	19,581	19,452	20,730	20,186	22,208
Hawaii	210	221	215	218	231	224
Idaho	3,245	2,840	2,173	2,555	2,833	3,180
Illinois	66,066	42,043	36,520	37,234	36,255	65,206
Indiana	33,296	24,357	22,318	22,669	24,901	30,520
Iowa	16,049	11,336	10,943	11,067	11,723	13,180
Kansas	19,596	16,348	17,240	18,458	16,775	18,400
Kentucky	11,801	7,704	7,550	7,147	8,195	9,744
Louisiana	102,707	99,177	100,981	111,241	104,802	117,609
Maine	307	248	235	263	273	393
Maryland	11,112	8,516	8,551	10,669	9,480	11,329
Massachusetts	16,519	14,876	14,799	17,378	16,306	20,446
Michigan	56,427	37,900	36,121	35,732	42,056	59,230
Minnesota	16,719	12,342	11,673	11,935	12,763	16,061
Mississippi	13,156	16,651	16,845	16,290	16,456	16,410
Missouri	11,802	8,967	8,961	9,660	10,556	13,386
Montana	3,082	2,323	1,669	1,756	1,716	2,272
Nebraska	6,469	5,123	5,522	5,597	4,076	5,630
Nevada	4,324	4,716	5,506	5,693	5,298	5,089
New Hampshire	664	1,156	754	635	722	1,145
New Jersey	34,754	26,382	30,735	36,526	26,655	34,745
New Mexico	6,059	5,551	6,243	5,723	5,213	6,978
New York	56,165	62,405	61,426	65,552	56,064	69,315
North Carolina	11,926	10,239	10,352	10,137	10,931	12,324
North Dakota	1,516	1,057	866	977	1,029	1,583
Ohio	64,167	33,878	31,644	32,583	36,589	47,207
Oklahoma	26,599	33,086	33,343	35,315	32,736	32,750
Oregon	11,035	10,516	9,852	9,150	7,812	7,269
Pennsylvania	43,481	29,663	27,786	29,649	30,075	40,080
Rhode Island	4,265	3,913	3,952	4,459	4,422	5,369
South Carolina	9,413	9,129	9,073	9,710	9,883	10,280
South Dakota	1,486	921	792	915	950	1,450
Tennessee	14,562	12,657	12,523	13,005	12,642	14,109
Texas	264,346	279,797	282,319	309,061	271,764	265,655
Utah	6,647	5,345	5,274	5,419	5,688	6,427
Vermont	561	277	288	436	435	534
Virginia	11,294	9,749	10,669	13,979	9,890	12,832
Washington	12,102	10,030	13,369	8,577	10,752	11,226
West Virginia	6,969	5,163	4,945	4,828	5,546	6,661
Wisconsin	22,346	14,232	12,793	12,402	14,667	20,211
Wyoming	5,277	4,926	4,556	4,850	5,113	5,118
Total	1,237,834	1,132,135	1,139,654	1,183,046	1,134,798	1,291,456

See footnotes at end of tables.

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

State	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991
Alabama	21,041	23,557	27,104	27,205	228,765	23,176
Alaska	12,362	13,090	13,469	14,036	141,426	13,396
Arizona	9,115	10,846	11,246	12,542	101,473	9,744
Arkansas	19,714	21,850	22,395	22,794	199,379	18,725
California	125,993	152,479	167,599	205,354	1,847,949	160,196
Colorado	18,719	23,576	28,247	31,587	228,283	29,497
Connecticut	10,811	13,781	14,279	14,397	101,380	11,874
Delaware	3,633	3,809	4,058	3,874	41,844	3,747
District of Columbia	3,607	4,321	5,105	5,003	30,836	3,765
Florida	30,471	29,665	27,430	26,627	336,895	26,421
Georgia	26,391	34,314	35,959	41,928	315,634	36,415
Hawaii	229	222	231	241	2,694	231
Idaho	3,616	4,246	4,770	5,874	46,467	6,363
Illinois	84,963	113,636	120,128	142,986	976,375	132,181
Indiana	40,567	50,794	55,041	62,588	452,690	56,842
Iowa	19,216	22,520	26,995	28,530	226,476	28,609
Kansas	22,731	22,679	26,710	31,115	293,035	28,191
Kentucky	13,009	19,001	20,296	25,585	165,028	21,934
Louisiana	125,718	125,956	118,545	126,818	1,258,960	101,242
Maine	541	635	612	572	4,789	584
Maryland	16,139	20,710	22,467	23,275	170,561	19,630
Massachusetts	29,124	29,750	31,554	29,565	250,028	23,181
Michigan	85,235	105,086	108,354	112,394	798,489	102,051
Minnesota	26,103	33,316	37,343	42,045	301,144	39,916
Mississippi	19,660	20,352	21,445	21,056	210,531	17,905
Missouri	21,651	25,975	32,947	37,426	253,765	32,032
Montana	3,188	3,597	4,759	5,425	41,401	5,666
Nebraska	6,544	10,017	12,299	13,682	113,409	13,134
Nevada	5,491	5,654	6,154	7,250	64,465	6,318
New Hampshire	1,811	1,942	2,346	2,247	14,094	1,601
New Jersey	62,114	60,364	64,376	62,877	460,521	50,967
New Mexico	5,561	9,212	11,706	13,336	102,206	12,357
New York	95,863	112,573	116,620	110,334	869,100	96,633
North Carolina	15,730	18,124	20,717	20,862	160,172	17,375
North Dakota	2,411	2,619	3,364	3,617	26,195	3,627
Ohio	74,048	92,577	103,810	113,221	755,118	96,913
Oklahoma	37,225	39,491	40,867	44,722	456,705	40,150
Oregon	8,516	10,088	14,926	17,095	114,557	12,863
Pennsylvania	59,719	77,467	85,008	87,827	601,688	72,938
Rhode Island	6,561	7,124	7,602	7,102	54,146	6,392
South Carolina	11,913	14,148	13,836	13,435	131,020	11,687
South Dakota	2,251	2,758	3,122	3,349	25,529	3,250
Tennessee	20,060	22,333	26,295	29,101	211,310	24,423
Texas	263,378	268,969	241,889	288,701	3,181,703	263,341
Utah	8,494	11,600	14,970	17,676	118,164	17,066
Vermont	776	930	981	989	7,069	798
Virginia	17,400	20,910	23,786	24,971	167,709	19,327
Washington	13,876	15,711	18,274	20,699	167,901	19,113
West Virginia	9,506	11,002	12,468	12,746	94,824	10,959
Wisconsin	30,993	38,633	40,641	43,647	327,124	43,185
Wyoming	5,375	5,900	6,465	7,075	54,348	6,170
Total	1,554,426	1,790,570	1,882,113	2,067,408	17,305,276	1,843,531

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-769

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

State	YTD 1993	YTD 1992	YTD 1991	June 1993	May 1993	April 1993	March 1993	February 1993
Alabama	3.40	2.99	3.17	3.88	3.81	3.38	3.16	3.36
Alaska	.33	.33	.33	.33	.33	.33	.33	.33
Arizona	2.90	2.31	2.45	2.92	3.23	2.00	2.60	2.28
Arkansas	2.67	2.53	2.52	2.44	2.65	2.60	2.63	2.45
California	2.76	2.69	2.78	2.37	2.97	2.66	2.90	2.60
Colorado	2.78	3.23	3.56	3.59	3.02	2.78	2.57	2.67
Connecticut	3.62	4.96	3.54	4.61	5.51	4.32	3.31	3.27
Delaware	3.26	2.90	2.15	3.62	3.62	3.33	3.22	3.03
District of Columbia	--	--	--	--	--	--	--	--
Florida	2.80	2.37	2.37	2.61	2.69	2.90	2.64	2.65
Georgia	3.65	3.21	2.84	4.25	4.62	3.44	3.28	3.46
Hawaii	6.02	7.55	7.22	5.62	5.72	5.69	5.46	7.01
Idaho	2.05	2.57	2.61	2.39	2.24	1.89	2.12	1.97
Illinois	3.41	2.89	2.54	3.18	3.40	3.43	3.25	3.46
Indiana	3.11	3.16	3.29	3.42	3.74	3.14	2.91	2.83
Iowa	3.16	4.12	2.67	3.55	4.28	3.55	2.94	2.81
Kansas	2.81	2.50	2.47	2.37	2.46	2.54	3.19	2.66
Kentucky	3.25	2.98	3.11	3.43	3.94	3.26	3.24	3.10
Louisiana	2.64	2.31	3.87	2.65	3.23	2.72	2.65	2.33
Maine	3.66	2.82	2.78	4.67	3.67	3.31	3.66	3.53
Maryland	3.35	2.78	3.92	5.65	4.98	3.80	2.90	2.89
Massachusetts	3.92	3.77	2.54	4.81	4.42	3.92	3.94	3.53
Michigan	2.96	2.82	2.86	2.77	3.17	2.82	2.64	2.90
Minnesota	3.03	3.25	2.85	3.46	3.62	2.98	2.94	2.78
Mississippi	2.73	2.30	2.33	3.00	3.41	2.89	2.61	2.44
Missouri	3.17	3.19	3.05	3.96	3.69	2.91	2.95	2.87
Montana	3.13	4.51	4.07	4.47	4.11	3.16	2.92	2.96
Nebraska	2.98	3.28	2.90	3.49	3.94	3.19	2.78	2.78
Nevada	2.82	2.66	2.30	3.55	3.73	3.29	2.66	2.36
New Hampshire	3.64	3.62	3.00	4.46	3.86	3.42	3.66	3.30
New Jersey	3.37	3.17	3.30	4.15	4.26	3.44	3.27	2.81
New Mexico	2.52	2.46	2.90	2.36	2.71	3.04	2.54	2.34
New York	3.26	2.72	2.69	3.90	4.49	3.64	3.15	2.75
North Carolina	3.14	3.13	2.75	3.57	3.65	3.24	3.01	2.83
North Dakota	3.20	3.55	3.93	4.21	4.05	3.24	3.01	2.97
Ohio	3.61	3.43	3.42	4.23	4.27	4.28	3.44	3.43
Oklahoma	2.42	2.15	1.90	2.10	2.54	2.26	2.44	2.41
Oregon	2.31	2.14	2.37	2.83	2.74	2.18	2.16	2.26
Pennsylvania	3.34	4.01	4.09	4.59	4.19	3.57	3.15	3.04
Rhode Island	3.88	3.49	3.73	6.17	6.59	4.09	3.34	3.12
South Carolina	3.44	3.10	3.08	3.93	4.20	3.48	3.11	3.27
South Dakota	3.26	3.66	3.71	4.31	4.31	3.36	3.12	2.96
Tennessee	3.09	3.09	2.81	3.39	3.81	3.29	3.00	2.81
Texas	3.23	2.91	2.53	3.22	3.36	3.09	3.09	3.16
Utah	3.35	7.48	5.43	NA	5.61	3.74	3.49	2.89
Vermont	2.65	3.25	2.62	3.99	3.85	3.03	2.57	2.53
Virginia	3.26	--	2.52	3.43	3.73	3.36	3.10	3.16
Washington	2.12	1.77	1.74	2.56	2.12	1.85	2.06	2.11
West Virginia	2.93	--	3.53	4.34	1.94	3.62	2.93	2.66
Wisconsin	3.50	3.84	3.78	5.65	5.43	3.86	3.15	2.96
Wyoming	2.88	3.63	3.72	3.04	3.77	3.07	2.89	2.63
Total	3.15	2.80	2.89	3.37	3.57	3.24	3.06	2.94

See footnotes at end of table.

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

State	January 1993	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992	July 1992
Alabama	3.32	3.21	3.43	3.44	3.91	3.67	3.65	3.16
Alaska	.33	.34	.33	.33	.33	.33	.34	.33
Arizona	2.63	2.33	2.55	2.69	2.64	2.42	2.43	2.70
Arkansas	2.62	2.59	2.58	2.71	2.49	2.41	2.38	2.41
California	2.74	2.72	2.75	2.91	2.92	2.80	2.82	2.73
Colorado	2.80	2.86	2.81	2.74	2.98	3.67	3.61	3.32
Connecticut	3.70	3.73	3.59	3.80	4.02	4.13	4.23	4.12
Delaware	3.13	2.83	3.53	3.93	3.74	2.74	1.78	2.72
District of Columbia	--	--	--	--	--	--	--	--
Florida	2.95	2.61	3.07	3.19	3.16	2.64	2.58	2.41
Georgia	3.79	3.28	3.51	3.27	3.93	3.70	3.55	3.10
Hawaii	6.49	7.72	7.59	7.81	8.17	7.87	8.27	8.08
Idaho	2.03	2.18	2.06	1.99	2.37	2.47	3.61	2.52
Illinois	3.75	3.18	3.53	3.47	3.60	3.36	3.19	2.91
Indiana	3.04	3.08	3.26	3.33	3.69	3.03	3.52	2.97
Iowa	3.02	3.20	3.21	3.44	3.97	3.89	3.86	4.16
Kansas	3.06	2.50	2.48	2.79	2.33	2.31	2.49	2.30
Kentucky	3.13	3.02	3.26	3.28	3.53	2.76	2.74	2.57
Louisiana	2.59	2.52	2.90	2.87	3.30	2.82	2.67	2.38
Maine	3.69	3.17	4.00	3.41	3.45	2.80	4.19	2.72
Maryland	3.02	3.20	3.17	3.66	3.91	4.58	4.83	5.04
Massachusetts	3.71	3.51	3.86	3.95	3.88	3.40	3.24	3.35
Michigan	3.43	3.04	3.16	3.33	3.31	3.02	2.95	2.78
Minnesota	2.97	2.92	3.32	3.31	3.57	3.28	3.34	3.12
Mississippi	2.62	2.59	2.92	3.00	3.50	2.91	2.76	2.38
Missouri	3.37	2.87	2.78	3.15	3.57	3.51	3.40	2.93
Montana	2.98	3.45	2.91	3.01	3.19	3.85	4.38	4.80
Nebraska	2.92	2.92	3.09	3.15	3.55	3.47	3.23	3.18
Nevada	2.57	2.37	2.40	2.43	2.45	2.67	2.92	2.72
New Hampshire	3.78	3.58	3.96	4.02	3.70	3.16	3.83	3.27
New Jersey	3.31	3.29	3.32	4.32	3.95	3.97	3.38	3.40
New Mexico	2.45	2.25	2.55	2.66	2.99	2.30	2.13	2.09
New York	3.06	3.01	3.34	3.47	3.75	3.37	3.15	2.92
North Carolina	3.09	2.88	3.22	3.32	3.38	3.26	3.04	3.13
North Dakota	3.11	3.28	3.06	3.09	3.16	3.38	3.79	4.16
Ohio	3.40	3.26	3.69	3.51	3.84	3.60	3.71	3.72
Oklahoma	2.50	2.22	2.38	2.52	2.44	1.84	1.79	1.82
Oregon	2.22	2.34	2.39	2.36	2.35	2.27	2.41	2.25
Pennsylvania	3.02	3.29	3.37	3.61	3.82	4.20	4.32	3.92
Rhode Island	3.57	3.82	3.67	4.49	4.45	4.58	4.87	4.26
South Carolina	3.39	3.23	3.56	3.56	3.74	3.48	3.38	3.22
South Dakota	3.07	3.10	3.29	3.18	2.83	3.25	4.09	3.91
Tennessee	2.95	2.89	3.20	3.39	3.66	3.41	3.41	2.94
Texas	3.40	3.09	3.48	3.48	3.57	3.01	2.92	2.76
Utah	2.94	4.09	3.00	3.95	4.71	9.36	7.45	7.72
Vermont	2.52	2.93	2.60	2.86	2.95	4.06	4.17	3.25
Virginia	3.24	2.91	3.32	3.83	3.70	3.26	3.63	2.87
Washington	2.18	1.90	2.16	1.98	2.00	1.99	1.93	1.96
West Virginia	3.03	3.24	3.36	4.01	4.59	6.20	5.74	7.91
Wisconsin	3.06	3.36	3.17	3.48	3.97	4.47	4.94	4.76
Wyoming	2.71	2.90	2.69	2.55	2.66	3.01	3.32	3.36
Total	3.10	3.01	3.17	3.33	3.49	3.24	3.18	3.01

See footnotes at end of table.

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

State	June 1992	May 1992	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991
Alabama	3.28	3.01	2.80	2.88	3.06	3.16	3.11	3.37
Alaska	.33	.33	.33	.34	.36	.36	.32	.28
Arizona	2.31	1.57	1.98	2.12	2.08	2.34	2.45	2.52
Arkansas	2.53	2.43	2.38	2.62	2.61	2.87	2.45	2.37
California	2.59	2.47	2.88	2.37	2.56	2.87	2.80	3.25
Colorado	3.23	3.45	2.75	2.87	2.60	2.67	2.85	2.86
Connecticut	4.96	4.76	3.75	3.18	3.37	3.39	3.50	3.40
Delaware	2.90	2.59	2.55	2.62	1.81	3.01	2.54	2.83
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.37	2.29	2.39	2.34	2.31	2.56	2.51	2.68
Georgia	3.21	2.90	2.57	2.61	3.79	3.27	3.38	3.36
Hawaii	7.55	7.60	7.64	7.40	7.22	7.53	8.74	8.93
Idaho	2.57	2.55	1.94	2.28	2.17	1.96	2.14	2.07
Illinois	2.89	2.72	2.97	2.71	2.99	3.52	2.91	3.36
Indiana	3.16	2.71	2.57	2.74	2.79	3.07	3.05	3.32
Iowa	4.12	3.77	2.48	2.72	2.58	2.64	2.73	2.86
Kansas	2.07	2.32	2.28	2.09	2.74	2.73	2.62	3.10
Kentucky	2.98	2.89	2.89	2.85	2.89	2.95	2.83	3.00
Louisiana	2.31	2.49	2.33	2.09	1.97	2.36	2.57	2.59
Maine	2.82	2.66	2.44	2.59	3.39	3.45	3.00	3.60
Maryland	4.46	3.71	2.88	2.45	2.41	2.74	3.05	3.04
Massachusetts	3.77	3.66	2.91	2.97	3.47	3.67	3.37	3.80
Michigan	2.82	2.89	2.93	3.19	3.11	3.21	3.08	3.02
Minnesota	3.25	3.02	2.26	2.47	2.30	2.68	2.63	2.95
Mississippi	2.54	2.48	2.29	2.12	2.08	2.42	2.55	2.70
Missouri	3.19	2.84	2.60	2.59	2.45	2.88	2.92	3.04
Montana	4.51	4.03	3.63	3.58	3.57	3.57	3.69	3.52
Nebraska	3.28	3.09	2.47	2.46	2.37	2.71	2.75	2.88
Nevada	2.68	2.65	2.09	2.20	2.13	2.20	2.33	2.26
New Hampshire	3.62	3.31	2.92	2.93	4.00	3.88	3.40	4.01
New Jersey	3.17	3.19	2.66	2.58	2.81	3.15	3.14	3.05
New Mexico	2.48	2.09	2.40	1.82	1.92	2.05	2.49	2.27
New York	3.11	2.91	2.67	2.57	2.49	2.88	2.92	3.14
North Carolina	3.13	2.85	2.56	2.18	2.37	2.77	2.69	2.91
North Dakota	3.55	3.36	3.21	3.20	3.34	3.44	3.49	3.42
Ohio	3.43	3.35	2.96	2.87	2.98	2.96	3.05	3.12
Oklahoma	1.88	2.97	2.11	2.06	2.07	2.17	2.04	2.15
Oregon	2.14	2.59	2.22	2.35	2.27	2.40	2.39	2.43
Pennsylvania	4.01	3.62	3.06	2.77	2.72	2.86	3.27	3.03
Rhode Island	4.21	3.99	3.38	3.06	3.40	3.52	3.68	3.60
South Carolina	3.10	2.93	2.75	2.70	2.99	3.24	2.95	3.34
South Dakota	3.68	3.42	2.42	2.98	2.86	2.95	3.11	3.15
Tennessee	3.09	3.01	2.68	2.36	2.26	2.47	2.73	2.72
Texas	2.85	2.89	2.92	2.87	2.89	2.98	2.88	3.10
Utah	7.48	8.05	5.26	4.17	3.54	3.26	3.89	3.04
Vermont	3.25	3.04	2.76	2.65	2.76	2.76	2.87	2.78
Virginia	2.69	2.80	2.33	2.14	2.34	2.93	2.76	3.04
Washington	1.87	1.84	1.63	1.80	1.77	1.76	1.91	2.10
West Virginia	4.36	4.05	2.29	1.93	2.80	3.14	3.58	4.18
Wisconsin	3.84	3.45	3.12	3.03	2.88	3.02	3.17	3.15
Wyoming	3.63	3.43	3.23	2.83	2.95	2.95	3.04	2.83
Total	3.01	2.90	2.75	2.62	2.71	2.90	2.90	3.05

NA = Not Available.

— = Not Applicable.

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

Source: Form EIA-857.

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

State	YTD 1993	YTD 1992	YTD 1991	June 1993	May 1993	April 1993	March 1993	February 1993
Alabama	6.67	6.34	6.94	9.35	7.74	6.59	6.15	6.49
Alaska	3.91	3.74	4.24	4.25	4.05	3.93	3.90	3.82
Arizona	6.86	6.94	6.63	6.92	8.23	7.31	6.68	6.50
Arkansas	5.10	4.90	4.76	6.65	5.78	5.12	5.04	5.02
California	6.07	5.95	6.27	6.58	6.10	5.71	5.87	6.02
Colorado	4.28	4.41	4.43	5.06	4.56	4.36	4.21	4.17
Connecticut	9.22	9.24	8.53	10.89	10.35	9.59	9.03	8.79
Delaware	6.25	5.84	5.72	8.25	7.09	6.25	6.01	6.05
District of Columbia	8.35	7.02	7.05	8.28	8.70	8.27	8.22	8.33
Florida	9.84	8.52	8.64	12.39	11.42	9.83	9.27	9.24
Georgia	6.55	6.41	6.68	8.91	8.08	6.49	6.17	6.18
Hawaii	17.39	17.73	23.19	17.57	17.86	17.70	17.20	18.50
Idaho	5.10	5.21	5.10	5.99	5.49	5.30	5.02	4.98
Illinois	5.32	4.76	5.03	7.64	6.98	5.83	4.88	5.02
Indiana	5.71	5.28	5.62	7.81	6.81	5.94	5.36	5.43
Iowa	5.42	4.73	4.56	7.54	7.04	5.92	5.27	4.89
Kansas	4.58	4.60	4.23	6.28	5.26	4.58	4.45	4.40
Kentucky	5.11	4.68	4.81	6.78	6.72	5.28	4.83	4.72
Louisiana	5.49	5.01	5.45	6.85	6.98	5.67	5.30	4.71
Maine	7.14	6.87	6.73	8.29	8.11	7.51	7.11	6.89
Maryland	6.92	5.86	6.01	9.09	8.05	7.02	6.43	6.66
Massachusetts	8.16	7.81	8.04	7.51	6.85	6.54	6.33	6.30
Michigan	4.62	4.77	4.99	6.10	5.37	4.67	4.46	4.42
Minnesota	5.21	4.41	4.32	6.13	6.10	5.35	5.03	4.95
Mississippi	4.70	4.45	5.25	5.49	5.76	4.66	4.36	4.44
Missouri	4.91	4.75	4.97	7.42	5.82	4.91	4.62	4.67
Montana	4.77	4.64	4.38	5.65	5.16	4.85	4.68	4.73
Nebraska	4.75	4.46	4.48	5.99	5.51	4.77	4.51	4.55
Nevada	5.29	5.43	5.41	6.50	6.01	5.54	5.23	5.06
New Hampshire	7.29	7.13	7.02	7.53	6.59	5.91	7.66	7.48
New Jersey	6.64	6.71	6.61	8.23	7.67	6.93	6.33	6.34
New Mexico	5.11	4.41	5.23	7.71	6.33	5.59	4.90	4.80
New York	7.71	7.10	7.07	9.74	8.77	7.81	7.30	7.34
North Carolina	6.63	6.09	5.89	9.57	7.71	6.33	6.08	6.58
North Dakota	4.97	4.81	4.60	6.38	5.60	5.06	4.84	4.82
Ohio	5.48	4.88	5.24	6.50	5.97	5.49	5.31	5.43
Oklahoma	4.75	4.81	4.54	6.55	5.64	4.76	4.52	4.58
Oregon	6.09	6.04	6.01	7.44	6.55	6.14	5.99	5.95
Pennsylvania	6.53	6.51	6.63	8.20	7.64	6.69	6.35	6.35
Rhode Island	7.85	7.47	7.40	9.47	8.49	7.85	7.67	7.64
South Carolina	7.20	7.06	6.91	8.47	7.34	6.56	6.79	7.31
South Dakota	5.26	4.78	4.75	6.13	5.89	5.38	5.15	5.06
Tennessee	5.60	5.26	5.03	7.01	6.23	5.47	5.28	5.83
Texas	5.63	5.53	5.55	7.20	7.50	5.78	5.32	5.50
Utah	5.08	5.50	5.47	5.40	4.82	4.89	5.15	5.08
Vermont	5.97	6.59	6.02	6.91	6.46	6.08	5.94	5.96
Virginia	7.38	6.21	6.61	10.71	9.30	7.49	6.80	7.18
Washington	4.73	4.86	4.49	3.75	5.37	5.03	4.80	4.76
West Virginia	6.13	6.18	6.42	7.63	6.88	6.18	5.97	5.93
Wisconsin	6.13	5.54	5.60	7.29	7.36	6.15	5.96	5.96
Wyoming	4.48	4.60	4.61	4.91	4.69	4.54	4.44	4.43
Total	5.89	5.66	5.74	7.29	6.70	5.99	5.67	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	January 1993	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992	July 1992
Alabama	6.53	6.65	6.37	7.30	8.30	8.87	8.99	8.88
Alaska	3.83	3.79	3.70	3.74	3.79	4.02	4.54	4.20
Arizona	6.36	7.23	6.54	7.58	9.18	9.63	9.86	9.53
Arkansas	4.77	5.08	4.72	5.29	6.38	6.84	6.81	6.45
California	6.20	5.95	5.78	5.58	6.33	6.27	6.19	6.25
Colorado	4.13	4.52	4.13	4.46	5.32	5.84	6.01	5.73
Connecticut	8.99	8.99	7.71	7.87	8.44	10.70	11.25	10.71
Delaware	6.09	6.14	6.22	6.44	7.20	8.05	8.08	7.94
District of Columbia	8.45	7.37	8.05	8.32	8.85	8.90	7.14	6.56
Florida	9.07	9.11	8.74	10.34	11.51	11.63	11.41	11.14
Georgia	6.51	6.40	6.11	6.33	7.84	3.87	8.38	8.30
Hawaii	17.62	18.03	18.05	18.42	18.60	18.46	18.52	18.19
Idaho	4.93	5.24	4.90	5.25	5.63	6.01	6.63	6.24
Illinois	5.08	5.09	5.14	5.42	5.60	6.37	6.87	6.91
Indiana	5.53	5.42	5.56	5.18	5.46	6.87	6.99	6.89
Iowa	5.11	5.22	5.29	5.62	6.90	7.66	7.88	7.56
Kansas	4.37	4.70	4.45	4.73	5.34	5.83	5.94	5.97
Kentucky	5.13	4.99	5.04	5.00	6.34	6.96	6.42	6.24
Louisiana	5.44	5.56	5.76	6.63	7.76	7.26	7.35	6.97
Maine	6.75	6.93	7.11	6.88	6.76	7.11	7.63	7.49
Maryland	6.88	6.38	6.94	6.76	7.37	8.73	8.45	8.11
Massachusetts	8.27	7.85	8.36	8.53	6.67	7.63	7.72	7.54
Michigan	4.43	4.88	4.57	4.81	5.21	6.24	6.49	6.36
Minnesota	5.13	4.82	5.18	5.41	6.02	5.91	5.96	5.54
Mississippi	4.80	4.70	4.95	5.51	5.84	5.28	5.37	5.13
Missouri	4.71	5.03	4.80	5.33	6.23	6.91	6.97	6.75
Montana	4.55	4.77	4.57	4.73	5.10	5.41	5.97	5.74
Nebraska	4.72	4.78	4.87	5.12	5.73	6.12	6.20	5.86
Nevada	4.96	5.59	5.03	5.68	6.76	7.06	7.37	6.89
New Hampshire	7.86	7.69	8.04	9.15	8.13	9.02	9.21	9.14
New Jersey	6.49	6.92	6.78	6.97	7.21	8.48	8.75	8.66
New Mexico	4.50	4.74	4.59	5.18	6.46	6.83	6.90	6.65
New York	7.64	7.60	7.72	8.74	8.68	9.99	10.35	9.77
North Carolina	6.76	6.48	6.56	6.96	7.52	9.78	9.94	9.37
North Dakota	4.71	5.00	4.85	4.98	5.64	6.26	6.75	6.33
Ohio	5.33	5.18	5.35	5.49	5.73	6.48	6.94	6.24
Oklahoma	4.57	4.96	4.58	4.84	6.17	6.74	6.87	6.62
Oregon	5.90	6.13	5.91	6.15	6.65	7.25	7.62	7.30
Pennsylvania	6.18	6.63	6.22	6.41	6.92	8.40	9.04	9.00
Rhode Island	7.69	7.68	7.62	7.86	8.28	9.01	9.53	8.75
South Carolina	7.73	7.12	7.02	7.56	7.33	8.64	8.81	8.56
South Dakota	5.14	5.11	5.26	5.33	6.05	6.32	6.62	6.27
Tennessee	5.45	5.42	5.33	5.92	6.27	7.01	7.12	6.80
Texas	5.26	5.78	5.26	6.00	7.19	7.35	7.48	7.28
Utah	5.14	5.46	5.23	5.17	5.37	5.89	5.98	5.88
Vermont	5.59	6.70	6.36	6.73	7.14	8.02	8.42	8.22
Virginia	7.16	6.71	7.17	7.12	8.01	9.93	9.25	9.06
Washington	4.59	5.00	4.80	4.94	5.57	6.34	7.04	7.17
West Virginia	6.00	6.51	7.93	6.38	6.76	8.17	8.77	8.68
Wisconsin	5.91	5.75	5.92	6.21	6.62	6.83	6.84	6.44
Wyoming	4.36	4.68	4.38	4.61	5.05	5.53	5.92	5.65
Total	5.71	5.86	5.71	5.99	6.20	7.11	7.40	7.23

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	June 1992	May 1992	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991
Alabama	7.94	6.93	6.19	6.64	5.96	6.14	7.05	6.34
Alaska	4.03	3.83	3.75	3.69	3.68	3.69	4.18	3.70
Arizona	9.01	8.52	7.42	6.85	6.47	6.39	6.99	6.50
Arkansas	6.15	5.52	4.96	5.04	4.59	4.57	4.98	4.79
California	6.26	5.97	5.50	5.74	6.01	6.13	6.27	6.21
Colorado	5.20	4.92	4.48	4.34	4.26	4.21	4.59	4.35
Connecticut	10.58	9.87	9.08	8.92	9.21	9.17	8.74	8.54
Delaware	7.39	6.51	5.98	5.80	5.52	5.50	5.86	5.49
District of Columbia	7.00	7.71	6.86	7.01	6.85	7.09	7.07	6.93
Florida	10.83	9.93	8.77	8.59	7.64	7.89	8.98	8.10
Georgia	7.88	6.96	6.29	6.25	6.51	6.08	6.70	6.21
Hawaii	17.71	18.04	17.07	17.48	17.92	18.12	22.93	22.63
Idaho	6.19	5.57	5.43	5.31	5.06	4.96	5.19	4.95
Illinois	6.45	5.52	4.68	4.33	4.76	4.68	4.95	4.51
Indiana	6.44	5.95	5.32	4.78	5.42	5.12	5.46	5.04
Iowa	6.71	5.67	4.68	4.44	4.31	4.73	4.81	4.81
Kansas	5.42	5.13	4.61	4.58	4.55	4.34	4.38	4.19
Kentucky	5.79	4.98	4.69	4.54	4.46	4.67	4.87	4.67
Louisiana	6.71	6.22	4.82	4.92	4.47	4.93	5.77	5.60
Maine	6.75	6.77	7.07	6.89	6.78	6.86	6.86	7.01
Maryland	7.52	6.21	5.36	5.62	5.85	5.67	6.16	5.94
Massachusetts	7.04	6.13	5.32	5.02	7.96	6.04	6.11	6.47
Michigan	5.82	5.10	4.73	4.67	4.66	4.64	5.07	4.69
Minnesota	5.49	4.84	4.33	4.16	4.14	4.57	4.52	4.70
Mississippi	4.99	5.11	4.35	4.27	4.32	4.44	5.21	4.83
Missouri	6.23	5.32	4.60	4.59	4.60	4.64	5.14	4.74
Montana	5.53	5.02	4.69	4.62	4.49	4.44	4.52	4.40
Nebraska	5.44	4.88	4.38	4.23	4.25	4.54	4.64	4.63
Nevada	6.81	6.41	5.68	5.29	5.18	5.10	5.61	5.19
New Hampshire	6.63	7.87	6.98	7.02	6.91	6.94	7.14	7.16
New Jersey	8.39	7.44	6.69	6.02	6.73	6.71	6.73	6.11
New Mexico	6.06	5.36	4.51	4.28	4.18	4.11	5.40	4.37
New York	6.76	7.45	6.84	6.94	6.88	7.15	7.35	7.14
North Carolina	7.92	6.60	5.48	5.96	5.86	6.27	6.24	6.57
North Dakota	6.04	5.21	4.78	4.69	4.62	4.67	4.82	4.75
Ohio	5.89	5.24	4.81	4.78	4.64	4.93	5.28	5.01
Oklahoma	6.32	5.90	4.98	4.80	4.45	4.44	4.72	4.54
Oregon	6.94	6.47	6.20	6.02	5.91	5.81	6.13	5.93
Pennsylvania	8.20	7.25	6.60	6.34	6.39	6.18	6.76	6.30
Rhode Island	8.45	7.78	7.46	7.36	7.33	7.33	7.63	7.47
South Carolina	7.84	6.83	6.41	7.61	7.04	7.04	6.98	6.88
South Dakota	6.00	4.61	4.75	4.57	4.56	4.91	4.94	5.00
Tennessee	6.37	5.71	5.18	5.48	5.21	4.96	5.19	5.11
Texas	7.02	6.85	6.03	5.56	5.05	5.05	5.71	5.24
Utah	5.82	5.50	5.52	5.66	5.45	5.40	5.44	4.85
Vermont	7.78	7.05	6.68	6.59	6.54	6.22	6.23	6.31
Virginia	7.92	6.68	5.68	5.74	6.31	6.34	6.80	6.49
Washington	6.24	5.46	5.00	4.81	4.67	4.52	4.68	4.49
West Virginia	7.54	6.66	6.18	6.12	6.00	6.01	6.50	5.97
Wisconsin	6.34	5.62	5.39	5.41	5.38	5.70	5.61	5.71
Wyoming	5.24	4.92	4.61	4.52	4.48	4.49	4.74	4.49
Total	6.82	6.14	5.61	5.48	5.53	5.53	5.82	5.51

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	June 1993	May 1993	April 1993	March 1993	February 1993
Alabama	5.94	5.46	5.87	6.73	6.33	5.83	5.69	5.89
Alaska	2.83	2.66	3.04	2.67	2.73	2.83	2.79	2.92
Arizona	5.03	5.27	5.02	4.82	5.03	5.03	5.10	5.05
Arkansas	4.34	4.33	4.29	4.96	4.41	4.35	4.32	4.33
California	5.89	5.36	5.78	5.83	5.24	5.50	6.19	5.43
Colorado	3.81	3.93	3.99	3.95	3.87	3.82	3.82	3.81
Connecticut	7.14	7.52	6.83	6.97	7.19	7.36	7.35	7.22
Delaware	5.28	4.81	4.85	7.75	5.46	5.19	5.11	5.12
District of Columbia	5.90	5.13	5.26	5.76	5.60	5.72	6.08	5.99
Florida	5.81	4.68	4.98	5.98	6.01	5.87	5.94	5.90
Georgia	5.71	5.59	5.81	6.13	6.14	5.60	5.23	5.79
Hawaii	12.95	13.12	13.80	12.92	13.27	13.18	12.79	12.40
Idaho	4.40	4.37	4.37	4.65	4.65	4.60	4.36	4.26
Illinois	5.00	4.43	4.69	6.80	6.01	5.26	4.65	4.83
Indiana	4.91	4.55	4.80	5.99	5.29	4.99	4.62	4.81
Iowa	4.61	3.91	3.88	5.19	5.48	5.03	4.84	4.18
Kansas	4.11	3.73	3.38	4.14	4.24	4.12	4.12	4.07
Kentucky	4.64	4.30	4.47	3.98	5.00	4.62	4.60	4.59
Louisiana	4.82	4.48	4.80	4.44	5.43	5.05	4.46	4.55
Maine	6.57	6.36	6.01	6.84	6.81	6.77	6.77	6.45
Maryland	5.76	4.91	5.13	5.99	5.91	5.68	5.57	5.77
Massachusetts	6.80	6.48	6.39	4.58	4.98	7.08	7.24	7.39
Michigan	4.37	4.52	4.67	5.29	4.77	4.35	4.27	4.27
Minnesota	4.55	3.78	3.73	4.71	5.11	4.70	4.43	4.32
Mississippi	4.11	3.79	4.45	4.00	4.54	4.14	3.97	3.93
Missouri	4.58	4.30	4.50	5.30	4.73	4.48	4.48	4.54
Montana	4.66	4.49	4.29	5.12	4.79	4.65	4.81	4.68
Nebraska	4.27	3.79	3.99	4.13	4.58	4.24	4.16	4.20
Nevada	4.29	4.31	4.32	4.41	4.15	4.30	4.30	4.31
New Hampshire	6.66	6.50	6.38	6.04	5.78	5.61	7.14	6.92
New Jersey	5.41	5.53	5.38	5.16	5.29	5.25	5.41	5.42
New Mexico	4.14	3.60	4.20	4.79	4.33	4.38	4.07	4.03
New York	6.07	5.52	5.58	6.62	6.85	6.27	5.74	5.79
North Carolina	5.46	4.60	4.51	5.77	5.44	5.15	5.31	5.51
North Dakota	4.66	4.37	4.20	5.37	5.04	4.75	4.61	4.54
Ohio	5.10	4.46	4.82	5.89	5.10	5.13	4.97	5.16
Oklahoma	4.52	4.27	3.92	4.66	4.44	4.51	4.48	4.53
Oregon	4.83	4.68	4.74	5.29	4.97	4.77	4.75	4.79
Pennsylvania	5.88	5.94	6.04	6.52	6.43	6.07	5.81	5.82
Rhode Island	7.09	6.71	6.47	7.55	7.48	7.01	6.94	6.94
South Carolina	5.91	5.51	5.74	5.46	5.49	5.67	5.85	6.12
South Dakota	4.45	3.93	3.98	4.61	5.21	4.52	4.34	4.24
Tennessee	5.17	4.92	4.76	5.50	5.12	4.95	5.03	5.13
Texas	4.36	4.24	4.02	3.85	3.88	4.11	4.34	4.75
Utah	4.16	4.55	4.47	4.18	3.82	3.96	4.23	4.19
Vermont	5.31	5.68	5.24	5.73	5.54	5.32	5.36	5.35
Virginia	5.58	4.65	4.99	6.01	5.61	5.62	5.27	5.61
Washington	4.31	4.22	4.00	4.66	4.52	3.95	4.33	4.36
West Virginia	5.71	5.87	6.06	7.01	6.41	5.84	5.56	5.55
Wisconsin	4.85	4.37	4.68	5.20	5.53	4.93	4.74	4.73
Wyoming	4.17	4.19	4.27	4.51	4.18	4.15	4.15	4.16
Total	5.12	4.83	4.88	5.29	5.20	5.12	5.06	5.08

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	January 1993	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992	July 1992
Alabama	5.92	5.80	5.88	6.04	6.13	6.06	6.08	5.97
Alaska	2.89	2.84	2.68	2.87	2.59	2.50	2.63	2.48
Arizona	5.08	5.17	5.12	5.25	5.29	4.86	5.27	5.08
Arkansas	4.20	4.37	4.33	4.47	4.73	4.55	4.62	4.36
California	6.93	5.14	5.72	5.44	4.53	4.20	4.40	4.39
Colorado	3.75	3.94	3.78	3.85	4.13	4.26	4.32	4.26
Connecticut	6.72	7.23	6.91	6.84	6.93	6.47	6.32	6.39
Delaware	5.17	4.92	5.16	5.05	5.05	5.14	5.12	5.14
District of Columbia	5.95	5.20	5.77	5.72	5.10	4.84	4.62	4.70
Florida	5.20	4.84	5.21	5.20	5.15	4.99	4.81	4.81
Georgia	5.02	5.47	5.57	5.98	5.93	2.74	5.48	5.46
Hawaii	13.77	13.34	13.57	13.71	13.83	13.67	13.44	13.24
Idaho	4.33	4.38	4.20	4.48	4.51	4.54	4.58	4.63
Illinois	4.91	4.67	4.91	4.96	4.92	5.31	5.34	5.52
Indiana	4.95	4.56	4.87	4.36	4.23	4.97	4.66	4.81
Iowa	4.49	4.23	4.55	4.51	5.28	4.99	4.96	4.54
Kansas	4.09	3.53	3.98	3.69	3.09	2.70	2.78	2.89
Kentucky	4.81	4.44	4.77	4.76	4.51	4.60	4.74	4.49
Louisiana	5.11	4.78	5.48	5.63	5.66	4.95	5.15	4.72
Maine	6.30	6.26	6.53	6.21	5.44	5.62	6.02	5.55
Maryland	5.85	5.18	5.84	5.68	5.52	5.49	5.32	5.26
Massachusetts	7.22	6.07	6.95	6.62	4.45	4.31	4.00	3.89
Michigan	4.32	4.57	4.42	4.56	4.82	5.32	5.39	5.33
Minnesota	4.60	4.13	4.99	4.60	4.87	4.38	4.31	3.95
Mississippi	4.25	3.92	4.41	4.37	4.44	3.82	3.68	3.53
Missouri	4.59	4.42	4.62	4.81	4.55	4.52	4.59	4.95
Montana	4.56	4.56	4.48	4.55	4.68	4.86	5.08	5.03
Nebraska	4.34	3.93	4.28	4.24	4.18	3.90	3.75	3.87
Nevada	4.28	4.32	4.26	4.31	4.37	4.42	4.45	4.37
New Hampshire	6.99	6.71	7.15	7.40	6.73	6.92	6.82	7.21
New Jersey	5.64	5.55	5.78	5.77	5.48	5.34	5.27	5.02
New Mexico	3.89	3.58	3.90	3.54	3.40	3.28	3.19	3.50
New York	6.12	5.85	6.04	6.38	5.61	5.52	5.78	5.71
North Carolina	5.66	4.83	5.46	5.39	4.81	4.96	4.87	4.92
North Dakota	4.55	4.52	4.59	4.68	4.89	4.96	5.15	5.00
Ohio	5.03	4.66	5.10	5.03	4.96	5.14	5.23	4.63
Oklahoma	4.55	4.28	4.52	4.29	4.16	4.17	4.11	4.12
Oregon	4.78	4.72	4.71	4.68	4.72	4.88	5.01	4.94
Pennsylvania	5.80	5.90	5.63	5.71	5.74	6.27	6.54	6.78
Rhode Island	7.21	6.58	6.94	7.57	7.36	5.09	5.08	5.32
South Carolina	6.26	5.48	5.90	5.96	5.21	5.26	5.22	5.24
South Dakota	4.44	4.18	4.43	4.44	4.83	4.61	4.61	4.39
Tennessee	5.41	5.00	5.49	5.32	5.21	5.13	5.21	4.82
Texas	4.73	4.23	4.78	4.69	4.25	4.16	3.70	3.57
Utah	4.26	4.46	4.33	4.26	4.10	4.29	4.39	4.42
Vermont	5.05	5.67	5.49	5.55	5.61	5.73	6.01	6.15
Virginia	5.69	4.86	5.59	5.20	5.35	5.00	5.02	4.99
Washington	4.28	4.20	3.75	4.32	4.44	4.49	4.58	4.52
West Virginia	5.55	5.96	5.80	5.97	6.29	7.47	7.59	7.55
Wisconsin	4.77	4.51	4.71	4.97	5.20	5.18	5.17	4.68
Wyoming	4.12	4.21	4.16	4.23	4.31	4.31	4.33	4.26
Total	5.17	4.87	5.11	5.11	4.64	4.69	4.72	4.63

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	June 1992	May 1992	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991
Alabama	5.64	5.54	5.32	5.53	5.31	5.59	5.74	5.54
Alaska	2.54	2.61	2.65	2.70	2.70	2.68	2.69	2.64
Arizona	5.36	5.73	5.33	5.26	5.14	5.13	5.07	5.08
Arkansas	4.29	4.25	4.43	4.37	4.28	4.30	4.35	4.39
California	3.91	3.77	5.92	5.93	6.64	4.80	5.50	5.92
Colorado	4.17	4.10	3.95	3.91	3.88	3.86	4.04	3.97
Connecticut	7.57	7.23	7.23	7.23	7.79	7.80	6.90	7.10
Delaware	5.12	4.99	4.87	4.55	4.97	4.70	4.81	4.67
District of Columbia	4.74	5.02	5.02	5.08	5.38	5.21	5.17	5.15
Florida	4.83	4.31	4.71	4.67	4.71	4.79	4.92	5.09
Georgia	5.48	5.29	5.23	5.65	5.88	5.61	5.67	5.61
Hawaii	12.95	13.34	12.57	12.87	13.51	13.46	13.36	13.09
Idaho	4.62	4.59	4.58	4.35	4.29	4.25	4.42	4.31
Illinois	5.98	4.83	4.05	4.14	4.55	4.47	4.56	4.23
Indiana	4.77	4.89	4.54	4.08	4.84	4.57	4.61	4.44
Iowa	4.55	4.20	3.83	3.71	3.69	4.10	3.99	4.24
Kansas	2.86	3.16	3.59	4.00	4.14	3.98	3.32	4.25
Kentucky	4.46	4.19	4.26	4.15	4.26	4.42	4.44	4.42
Louisiana	4.84	4.51	4.06	4.60	4.27	4.67	4.90	5.05
Maine	5.53	5.59	6.44	6.44	6.82	6.33	6.02	6.36
Maryland	4.97	4.75	4.59	4.84	5.02	5.10	5.04	5.06
Massachusetts	4.94	4.78	6.53	6.78	6.93	6.94	6.17	7.10
Michigan	5.03	4.63	4.45	4.48	4.51	4.49	4.70	4.55
Minnesota	4.19	3.98	3.70	3.51	3.59	3.99	3.81	4.14
Mississippi	3.62	3.81	3.65	3.69	3.82	3.96	4.28	4.26
Missouri	4.32	4.22	4.08	4.26	4.36	4.39	4.50	4.41
Montana	4.96	4.68	4.52	4.45	4.40	4.41	4.35	4.38
Nebraska	3.95	3.72	3.67	3.47	3.75	4.09	3.87	4.08
Nevada	4.41	4.40	4.33	4.26	4.29	4.30	4.34	4.30
New Hampshire	6.48	7.00	6.44	6.46	6.43	6.44	6.35	6.53
New Jersey	5.36	5.39	5.55	5.08	5.75	5.82	5.21	4.84
New Mexico	4.07	3.62	3.45	3.67	3.70	3.43	4.15	3.60
New York	6.02	5.72	5.26	5.20	5.58	5.71	5.47	5.62
North Carolina	4.84	4.53	4.19	4.36	4.60	5.01	4.53	5.02
North Dakota	4.92	4.57	4.32	4.26	4.30	4.40	4.34	4.46
Ohio	4.80	4.50	4.38	4.35	4.35	4.63	4.76	4.67
Oklahoma	4.38	4.35	4.40	4.38	4.20	4.15	3.91	3.92
Oregon	4.81	4.72	4.70	4.67	4.65	4.65	4.75	4.67
Pennsylvania	6.61	6.29	6.18	5.81	5.90	5.71	6.00	5.73
Rhode Island	5.71	5.76	7.20	6.74	7.05	7.01	6.02	6.60
South Carolina	5.22	4.97	5.26	5.75	5.71	5.66	5.56	5.58
South Dakota	4.03	4.18	3.81	3.69	3.84	4.14	4.04	4.21
Tennessee	4.86	4.73	4.73	4.88	4.95	5.10	4.78	4.83
Texas	4.06	3.94	3.97	4.26	4.33	4.52	4.01	4.26
Utah	4.44	4.29	4.46	4.75	4.56	4.53	4.50	4.56
Vermont	6.20	5.96	5.66	5.62	5.69	5.53	5.24	5.30
Virginia	4.45	4.15	4.21	4.39	5.04	5.06	4.85	5.04
Washington	4.51	4.37	4.28	4.18	4.17	4.13	4.06	4.11
West Virginia	7.03	6.30	5.87	5.79	5.71	5.75	6.11	5.73
Wisconsin	4.87	4.23	4.25	4.28	4.25	4.58	4.62	4.71
Wyoming	4.26	4.18	4.20	4.17	4.17	4.21	4.31	4.25
Total	4.72	4.59	4.78	4.77	5.04	4.85	4.81	4.84

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	June 1993	May 1993	April 1993	March 1993	February 1993
Alabama	3.49	2.82	3.07	3.30	3.79	3.47	3.47	3.38
Alaska	1.35	1.18	1.19	1.35	1.35	1.35	1.35	1.35
Arizona	4.04	4.16	3.38	4.65	4.03	3.92	3.97	3.98
Arkansas	3.18	3.09	3.09	3.07	3.04	3.15	3.22	3.31
California	3.80	3.92	4.07	3.77	3.52	3.62	3.31	3.77
Colorado	2.32	2.35	2.32	2.14	2.48	2.28	2.27	2.27
Connecticut	4.74	5.09	4.90	3.90	4.42	4.77	4.96	5.01
Delaware	3.38	3.03	3.16	3.52	3.69	3.31	3.26	3.22
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.81	3.05	3.05	4.01	4.03	3.66	3.62	3.64
Georgia	4.11	3.22	3.42	4.41	4.49	4.11	3.99	3.79
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	2.97	--	--	--	--	--
Illinois	4.33	3.80	4.09	4.62	4.64	4.81	4.23	4.15
Indiana	3.50	3.34	3.83	3.96	3.12	3.36	3.41	3.48
Iowa	3.83	3.19	2.55	3.90	3.75	4.44	3.85	3.47
Kansas	2.70	2.45	2.61	2.55	2.70	2.60	2.84	2.65
Kentucky	3.73	3.25	3.53	3.62	3.65	3.44	3.78	3.83
Louisiana	2.26	1.82	1.75	2.60	2.62	2.24	1.98	1.98
Maine	5.13	4.28	4.44	5.38	5.31	4.75	5.49	5.40
Maryland	3.70	3.30	3.69	3.41	4.33	4.67	3.98	3.88
Massachusetts	5.51	4.79	4.07	3.67	4.17	5.81	6.44	6.62
Michigan	4.05	4.14	4.02	4.24	4.16	4.06	4.02	4.02
Minnesota	3.19	2.82	2.78	2.70	3.40	3.34	3.03	3.33
Mississippi	2.89	2.29	2.38	2.80	3.34	2.94	2.78	2.71
Missouri	4.21	3.75	4.22	4.25	4.10	4.19	4.16	4.27
Montana	3.90	3.30	3.24	4.09	3.97	3.82	3.81	3.81
Nebraska	3.16	2.50	2.79	2.57	3.94	3.17	2.97	3.04
Nevada	4.02	4.15	4.21	4.38	4.26	4.12	3.80	4.09
New Hampshire	4.62	4.78	4.64	3.33	3.00	4.07	6.06	5.91
New Jersey	3.72	3.49	4.06	3.75	3.61	3.44	3.83	3.70
New Mexico	3.86	2.98	3.63	4.44	3.83	3.92	4.01	3.78
New York	5.70	5.26	4.88	5.17	5.98	5.73	5.60	5.64
North Carolina	3.89	3.07	3.37	3.55	3.80	3.82	3.87	4.14
North Dakota	3.36	3.06	3.16	3.53	3.49	3.44	3.28	3.23
Ohio	4.64	3.94	4.23	4.73	4.52	4.47	4.52	4.72
Oklahoma	2.17	1.87	1.72	2.51	2.12	2.07	2.12	2.09
Oregon	3.53	3.31	3.40	3.35	3.62	3.52	3.54	3.54
Pennsylvania	3.77	4.08	4.12	3.58	3.72	3.68	3.78	3.91
Rhode Island	5.82	4.83	5.73	4.46	4.99	5.78	6.08	6.09
South Carolina	3.37	2.80	3.12	3.19	3.53	3.29	3.25	3.46
South Dakota	3.60	3.39	3.34	3.70	4.24	3.84	3.46	3.35
Tennessee	3.66	3.01	3.23	3.78	3.78	3.49	3.57	3.54
Texas	2.34	1.80	1.92	2.17	2.80	2.47	2.23	2.06
Utah	3.12	4.29	3.76	2.93	2.91	2.92	3.27	3.24
Vermont	3.67	2.98	3.18	3.74	3.65	3.59	3.54	3.67
Virginia	4.39	3.78	4.12	3.77	4.30	4.26	4.60	4.57
Washington	3.08	2.76	2.83	3.15	3.45	3.19	2.89	2.92
West Virginia	3.03	3.45	2.95	2.75	3.24	2.73	2.68	3.90
Wisconsin	3.95	3.58	3.20	3.87	4.33	3.99	3.85	3.83
Wyoming	2.85	2.64	3.02	3.00	2.87	2.80	2.81	2.74
Total	3.14	2.67	2.77	3.00	3.24	3.13	3.09	3.12

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	January 1993	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992	July 1992
Alabama	3.58	3.01	3.54	3.50	3.57	3.15	3.10	2.64
Alaska	1.35	1.18	1.19	1.17	1.17	1.17	1.16	1.17
Arizona	3.97	4.14	4.11	4.21	4.11	4.21	4.14	4.21
Arkansas	3.24	3.12	3.23	3.31	3.23	3.05	3.02	2.99
California	4.55	3.66	3.63	3.12	3.46	3.45	3.29	3.49
Colorado	2.49	2.24	2.36	2.33	2.36	1.66	2.34	1.91
Connecticut	5.04	4.79	4.92	4.73	4.52	3.99	4.15	4.21
Delaware	3.32	3.20	3.54	3.42	3.63	3.17	3.12	2.93
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.46	3.21	3.50	3.59	3.69	3.27	3.15	2.96
Georgia	4.12	3.41	4.36	4.21	4.30	2.86	3.29	3.14
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Illinois	4.12	3.73	4.14	3.79	3.21	3.17	3.84	3.66
Indiana	3.66	3.30	4.09	3.44	2.95	3.29	2.78	2.99
Iowa	3.64	3.47	3.76	3.75	4.18	3.67	3.41	3.15
Kansas	2.87	2.60	3.03	2.87	2.67	2.71	2.58	2.41
Kentucky	4.23	3.29	4.30	4.07	3.23	3.17	3.20	2.86
Louisiana	2.27	1.91	2.49	2.65	2.64	2.15	1.94	1.82
Maine	4.76	4.14	4.97	4.50	3.68	3.55	3.49	3.36
Maryland	3.25	3.54	4.13	3.75	3.65	3.37	3.80	3.77
Massachusetts	5.35	4.33	5.83	5.35	3.57	3.26	3.19	3.55
Michigan	4.04	4.13	4.08	4.13	4.20	4.36	4.22	4.06
Minnesota	3.33	3.06	3.36	3.54	3.60	3.23	3.04	2.89
Mississippi	2.50	2.53	3.06	3.10	3.37	2.65	2.58	2.23
Missouri	4.26	3.62	4.45	4.46	3.46	3.81	3.45	3.42
Montana	3.99	3.53	3.93	4.05	4.04	3.92	3.66	3.54
Nebraska	3.24	2.75	3.25	3.33	3.54	2.93	3.13	2.79
Nevada	3.69	4.02	3.80	4.07	3.95	4.21	3.37	4.28
New Hampshire	5.66	4.56	5.67	5.40	4.27	3.68	3.53	3.71
New Jersey	3.91	3.43	4.39	3.46	3.29	3.05	2.85	2.97
New Mexico	3.67	3.04	3.55	3.11	2.95	2.60	2.69	2.95
New York	5.93	5.31	5.69	5.75	5.06	4.82	5.35	4.95
North Carolina	4.22	3.35	4.20	4.09	3.58	3.42	3.21	3.14
North Dakota	3.37	3.27	3.47	3.74	3.71	3.43	3.27	3.19
Ohio	4.55	4.15	4.71	4.65	4.15	4.32	4.15	4.45
Oklahoma	2.19	1.99	2.07	2.15	2.27	2.01	1.94	1.98
Oregon	3.59	3.34	3.55	3.45	3.41	3.29	3.25	3.29
Pennsylvania	3.64	3.88	4.02	3.72	3.68	3.72	3.78	3.99
Rhode Island	6.40	4.65	5.55	6.45	4.37	3.75	3.30	4.05
South Carolina	3.53	2.95	3.75	3.50	3.48	3.07	2.96	2.70
South Dakota	3.42	3.59	3.37	3.55	4.54	3.99	4.05	3.75
Tennessee	3.55	3.20	3.98	3.85	3.73	3.55	3.21	2.92
Texas	2.31	2.07	2.54	2.49	2.88	2.25	2.19	1.85
Utah	3.31	3.95	3.64	3.70	3.40	3.59	3.62	3.69
Vermont	3.81	3.28	3.81	3.75	3.55	3.55	3.57	3.32
Virginia	4.57	4.02	5.04	3.94	5.02	3.91	4.25	4.15
Washington	2.99	2.78	2.55	3.00	3.23	2.84	2.50	2.61
West Virginia	3.04	3.63	3.65	3.82	3.71	3.69	3.95	3.74
Wisconsin	3.97	3.81	4.18	4.40	4.59	3.94	3.65	3.52
Wyoming	2.55	2.55	2.67	2.70	2.61	2.55	2.50	2.51
Total	3.25	2.81	3.34	3.24	2.95	2.78	2.65	2.50

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	June 1992	May 1992	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991
Alabama	2.73	2.82	2.76	2.63	2.80	3.22	3.00	3.42
Alaska	1.16	1.16	1.16	1.19	1.20	1.20	1.16	1.17
Arizona	4.23	4.16	4.11	4.24	4.09	4.14	3.51	4.05
Arkansas	2.66	2.92	3.07	3.11	3.24	3.24	3.06	3.15
California	3.40	3.04	3.99	4.27	4.42	4.56	3.96	4.71
Colorado	2.22	2.35	2.33	2.33	2.34	2.48	2.34	2.63
Connecticut	4.40	4.59	4.81	5.25	5.47	5.47	4.84	5.33
Delaware	3.10	2.90	2.98	2.97	3.04	3.20	3.09	3.28
District of Columbia								
Florida	2.80	2.96	3.06	3.21	3.16	3.16	3.11	3.41
Georgia	3.13	2.96	2.80	3.21	3.65	3.81	3.34	3.85
Hawaii								
Idaho							2.94	2.93
Illinois	4.06	3.57	3.67	3.64	4.03	3.83	3.77	3.47
Indiana	2.94	2.90	3.26	3.30	3.77	3.78	3.53	3.73
Iowa	3.80	3.09	3.07	3.07	2.98	3.36	2.65	3.50
Kansas	2.40	2.32	2.33	2.36	2.61	2.73	2.67	2.73
Kentucky	2.67	2.90	3.24	3.35	3.66	3.66	3.23	3.49
Louisiana	1.80	1.70	1.51	1.35	1.46	1.98	1.74	2.10
Maine	3.65	3.43	3.93	3.88	5.92	5.41	4.69	5.14
Maryland	3.77	3.96	3.00	3.11	3.41	3.33	3.51	3.45
Massachusetts	3.04	3.68	4.10	5.61	6.38	6.20	3.99	5.18
Michigan	4.14	3.99	4.11	4.03	4.26	4.21	4.00	3.92
Minnesota	2.88	2.72	2.60	2.53	2.96	3.10	2.78	2.99
Mississippi	2.42	2.32	2.20	2.12	2.14	2.54	2.35	2.65
Missouri	3.57	3.61	3.38	3.62	3.89	4.14	4.08	4.05
Montana	3.46	3.37	3.25	3.26	3.17	3.41	3.22	3.79
Nebraska	2.54	2.39	2.33	2.18	2.51	2.96	2.76	3.13
Nevada	4.04	4.11	4.07	4.09	4.27	4.28	4.21	4.36
New Hampshire	3.73	4.77	4.15	5.02	5.52	5.51	4.31	5.24
New Jersey	2.96	2.98	3.43	3.44	4.05	4.00	3.65	3.98
New Mexico	2.81	2.59	2.94	3.17	3.30	3.38	3.53	3.32
New York	5.16	5.32	5.23	4.97	5.50	5.31	4.72	4.67
North Carolina	3.10	2.90	2.88	2.86	3.00	3.59	3.24	3.57
North Dakota	3.13	3.06	2.86	2.82	3.08	3.36	3.19	3.37
Ohio	3.84	3.88	3.82	3.79	3.89	4.28	4.09	4.15
Oklahoma	1.63	1.79	1.96	1.86	2.00	1.81	1.69	1.75
Oregon	3.31	3.27	3.26	3.29	3.32	3.39	3.41	3.44
Pennsylvania	4.37	4.21	4.00	4.02	4.14	3.97	4.02	3.86
Rhode Island	3.83	3.84	4.10	5.59	6.42	6.35	5.40	6.24
South Carolina	2.74	2.59	2.55	2.74	2.88	3.26	2.95	3.31
South Dakota	3.75	3.41	3.22	3.19	3.25	3.61	3.31	3.74
Tennessee	3.14	2.99	2.87	2.84	2.88	3.34	3.22	3.46
Texas	1.91	1.84	1.74	1.63	1.58	2.06	1.93	2.33
Utah	3.78	3.77	3.70	4.06	6.16	3.60	3.69	3.78
Vermont	3.22	3.09	2.97	2.76	2.88	3.09	2.99	3.08
Virginia	2.96	3.12	3.67	3.96	4.38	1.47	3.81	3.86
Washington	2.70	2.73	2.69	2.72	2.69	2.98	2.79	2.97
West Virginia	3.37	3.47	3.41	3.54	3.48	3.39	2.95	3.76
Wisconsin	3.49	3.40	3.38	3.51	3.52	3.93	3.18	3.62
Wyoming	2.68	2.59	2.60	2.64	2.63	2.67	3.03	3.05
Total	2.52	2.44	2.53	2.58	2.79	3.05	2.69	3.09

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 the 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	May 1993	April 1993	March 1993	February 1993	January 1993
Alabama	1.91	1.92	2.02	3.18	2.69	2.42	2.29	2.69
Alaska	.53	.58	.54	.63	.63	.64	.64	.64
Arizona	2.05	2.07	2.11	3.21	2.64	2.70	3.12	3.81
Arkansas	1.26	1.43	1.48	1.71	1.61	1.50	1.38	1.64
California	2.62	2.57	3.16	3.96	3.20	3.09	3.02	3.29
Colorado	2.08	2.03	2.25	2.48	2.22	2.39	2.33	2.51
Connecticut	4.78	2.53	2.45	9.99	8.63	6.07	3.50	6.86
Delaware	3.05	2.66	2.52	3.90	5.31	2.78	4.38	3.65
District of Columbia	--	--	--	--	--	--	--	--
Florida	1.77	1.98	2.18	2.67	2.59	2.41	2.23	2.27
Georgia	2.26	2.89	3.16	4.25	3.82	3.90	3.51	3.90
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Illinois	2.42	2.04	2.66	2.57	2.62	3.00	3.06	2.99
Indiana	2.39	2.32	2.42	3.04	2.57	2.42	2.94	2.67
Iowa	2.55	2.72	2.73	3.65	3.33	3.30	3.34	3.37
Kansas	1.86	1.80	1.72	2.56	2.53	2.29	2.42	2.40
Kentucky	2.31	2.66	2.91	3.87	3.22	2.76	2.74	2.99
Louisiana	1.78	1.57	1.58	2.98	2.55	2.31	2.10	2.35
Maine	--	--	--	--	--	--	--	--
Maryland	2.27	2.48	2.56	3.43	3.10	2.82	2.86	3.14
Massachusetts	2.15	2.22	2.60	3.01	2.88	2.92	3.25	3.51
Michigan	.62	.90	.53	.30	.38	.45	.85	.68
Minnesota	1.81	1.70	1.71	2.82	2.68	2.38	2.52	2.81
Mississippi	1.46	1.63	1.73	2.55	2.30	2.23	1.98	2.06
Missouri	2.21	2.30	1.57	2.79	2.56	2.71	2.42	2.62
Montana	5.09	4.01	6.53	3.34	5.88	10.41	2.78	7.62
Nebraska	1.94	2.09	1.71	2.87	2.45	2.46	2.61	2.68
Nevada	1.63	1.55	1.82	2.45	2.22	2.42	3.11	3.17
New Hampshire	.13	--	--	2.21	2.22	--	--	--
New Jersey	1.83	1.95	2.19	2.70	2.72	2.51	2.35	2.66
New Mexico	1.82	1.72	1.72	2.61	2.36	2.21	2.06	2.35
New York	2.25	2.34	2.41	3.24	2.87	2.76	2.66	3.02
North Carolina	3.36	2.68	3.01	3.90	3.36	3.71	4.11	4.16
North Dakota	.15	--	--	--	4.27	--	--	--
Ohio	2.42	2.26	2.27	3.54	3.72	2.34	2.64	2.79
Oklahoma	2.69	3.06	3.06	3.68	3.39	3.57	3.37	3.31
Oregon	2.24	1.87	1.43	--	--	2.09	1.99	2.96
Pennsylvania	2.40	3.01	3.22	3.21	3.14	2.58	2.41	2.47
Rhode Island	--	2.04	2.01	--	--	--	--	--
South Carolina	2.62	1.54	1.75	3.37	3.16	3.20	3.61	3.75
South Dakota	1.73	1.15	1.50	--	--	2.62	--	--
Tennessee	--	--	--	--	--	--	--	--
Texas	1.91	2.02	2.02	2.72	2.58	2.40	2.32	2.46
Utah	1.59	1.80	1.73	2.73	1.87	1.86	1.87	2.03
Vermont	1.30	1.76	1.36	2.28	2.28	3.33	3.60	3.30
Virginia	2.83	2.43	1.98	5.31	2.80	3.01	3.10	2.57
Washington	4.28	5.93	4.02	7.68	6.52	4.05	3.73	3.70
West Virginia	2.17	2.13	3.83	3.86	3.80	4.18	--	4.04
Wisconsin	2.13	2.10	2.80	3.02	2.66	2.33	2.68	3.22
Wyoming	2.79	3.44	3.64	3.47	3.41	3.20	3.21	3.25
Total	2.14	2.13	2.24	2.90	2.75	2.61	2.55	2.70

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	Total 1992	December 1992	November 1992	October 1992	September 1992	August 1992	July 1992	June 1992
Alabama	2.28	2.88	2.79	3.20	2.43	2.38	1.98	2.15
Alaska	.57	.58	.58	.58	.57	.54	.55	.57
Arizona	2.28	3.99	3.47	2.40	2.40	2.40	2.21	2.27
Arkansas	1.57	1.35	1.15	2.18	1.85	1.85	1.64	1.80
California	2.81	3.24	3.28	3.41	2.93	2.73	2.57	2.39
Colorado	2.14	2.49	2.45	2.80	1.94	1.80	1.98	1.84
Connecticut	2.74	6.11	7.15	6.29	6.31	2.82	2.58	2.62
Delaware	2.70	5.40	4.89	4.31	3.32	2.68	2.22	2.47
District of Columbia	--	--	--	--	--	--	--	--
Florida	2.30	2.32	2.65	2.88	2.89	2.51	2.41	2.41
Georgia	2.90	4.38	4.05	4.32	2.30	2.75	2.83	2.61
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Illinois	2.24	3.11	3.05	2.93	2.39	2.43	2.37	2.29
Indiana	2.48	2.81	3.21	3.14	3.00	2.57	2.31	2.30
Iowa	3.08	3.42	3.37	3.77	3.51	3.32	2.80	3.01
Kansas	1.94	2.42	2.22	2.14	1.89	1.98	1.83	2.08
Kentucky	2.77	3.12	3.24	3.38	2.87	2.59	2.46	2.60
Louisiana	1.91	2.35	2.51	2.73	2.16	2.04	1.72	1.90
Maine	--	--	--	--	--	--	--	--
Maryland	2.88	4.07	3.79	3.78	2.82	2.73	2.33	2.45
Massachusetts	2.67	3.70	3.27	3.43	2.81	2.67	2.58	2.37
Michigan	.81	.64	.67	.58	1.28	.81	.83	.81
Minnesota	1.85	2.74	2.52	3.35	1.89	1.81	1.78	1.64
Mississippi	1.89	2.34	2.48	2.88	2.22	2.17	1.87	1.97
Missouri	1.93	2.75	2.61	2.13	2.31	2.14	1.49	1.94
Montana	3.30	2.44	2.38	9.41	3.76	2.93	2.19	2.48
Nebraska	2.28	2.84	2.32	2.46	2.27	2.50	2.12	2.10
Nevada	1.91	3.12	2.44	2.55	1.87	2.25	1.86	1.95
New Hampshire	2.15	--	--	--	2.20	2.20	--	--
New Jersey	2.18	3.09	2.98	2.92	2.42	2.35	2.02	2.23
New Mexico	1.99	2.40	2.45	2.67	2.30	2.11	1.72	1.77
New York	2.48	3.21	3.12	3.22	2.55	2.39	2.06	2.30
North Carolina	2.96	4.15	4.10	3.22	3.15	2.83	2.78	2.83
North Dakota	4.18	4.48	--	--	4.05	4.30	4.03	--
Ohio	2.29	2.59	4.17	2.65	1.97	2.01	2.11	2.14
Oklahoma	3.20	3.25	3.75	4.11	3.29	3.19	2.92	3.08
Oregon	1.97	2.44	2.15	2.40	2.05	1.99	1.72	1.88
Pennsylvania	3.10	3.51	5.19	4.07	3.49	3.20	2.34	2.73
Rhode Island	2.20	--	--	--	2.84	2.45	2.45	2.27
South Carolina	1.73	3.72	3.33	3.30	2.74	2.46	1.91	1.71
South Dakota	2.88	2.95	2.92	4.04	--	2.61	--	--
Tennessee	--	--	--	--	--	--	--	--
Texas	2.25	2.67	2.69	2.90	2.34	2.30	1.99	2.06
Utah	1.87	2.27	1.80	1.99	1.98	1.92	1.76	1.74
Vermont	2.00	3.14	3.02	2.18	2.24	2.16	2.09	1.94
Virginia	2.48	2.70	.48	5.05	2.20	3.10	2.18	2.67
Washington	3.31	4.54	4.57	5.97	3.32	2.94	2.95	3.31
West Virginia	3.53	3.51	3.27	3.34	4.27	3.40	5.36	3.28
Wisconsin	2.43	3.41	3.33	3.47	2.80	2.30	2.21	2.06
Wyoming	3.33	3.29	3.22	3.21	3.19	3.22	3.22	3.31
Total	2.37	2.81	2.87	3.04	2.51	2.42	2.15	2.18

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	May 1992	April 1992	March 1992	February 1992	January 1992	Total 1991	December 1991	November 1991
Alabama	2.05	1.86	1.70	1.62	2.28	1.91	2.57	2.28
Alaska	.55	.56	.59	.60	.62	.53	.54	.53
Arizona	2.14	1.81	2.02	2.09	2.35	2.06	3.39	2.57
Arkansas	1.52	1.44	1.36	1.33	1.33	1.44	1.29	1.29
California	2.39	2.50	2.36	2.42	3.22	2.95	3.36	3.04
Colorado	1.98	2.02	1.81	2.26	2.20	2.14	2.34	2.10
Connecticut	2.57	2.25	2.23	6.29	6.30	2.16	5.45	5.17
Delaware	2.66	2.35	2.68	2.63	2.80	2.49	3.06	3.09
District of Columbia	--	--	--	--	--	--	--	--
Florida	2.29	2.01	1.62	1.74	1.93	2.17	2.33	2.34
Georgia	2.99	2.78	3.18	3.19	3.64	2.83	3.08	2.86
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--
Illinois	2.07	2.03	1.69	2.10	2.64	2.14	2.59	2.44
Indiana	2.11	2.44	2.18	2.19	2.63	2.38	2.61	2.64
Iowa	2.93	2.76	2.56	2.35	3.23	2.70	3.31	3.04
Kansas	1.67	1.73	1.67	1.85	2.02	1.65	2.09	1.85
Kentucky	2.71	2.67	2.57	2.32	2.80	2.65	2.75	2.75
Louisiana	1.78	1.56	1.36	1.31	1.75	1.59	1.66	1.66
Maine	--	--	--	--	--	--	--	--
Maryland	2.15	2.38	2.57	2.75	3.44	2.36	3.49	3.07
Massachusetts	2.17	2.19	2.39	3.98	4.48	2.27	3.91	2.50
Michigan	1.34	.93	.71	.94	.66	.76	.91	.74
Minnesota	1.54	1.62	1.53	1.65	2.29	1.71	2.36	2.27
Mississippi	1.72	1.65	1.49	1.33	2.26	1.61	2.08	2.07
Missouri	2.12	1.60	2.89	1.72	2.89	1.51	2.66	3.05
Montana	3.04	1.40	6.28	6.22	7.35	4.33	4.58	5.75
Nebraska	2.31	1.54	2.02	2.58	2.80	1.65	2.21	1.97
Nevada	1.59	1.43	1.53	1.45	1.94	1.78	2.16	2.01
New Hampshire	--	--	--	--	--	--	--	--
New Jersey	2.26	1.84	1.73	2.22	2.83	2.02	2.60	2.61
New Mexico	1.72	1.61	1.64	1.54	2.09	1.73	2.29	2.09
New York	2.28	2.19	2.27	2.37	2.82	2.30	3.13	2.84
North Carolina	2.52	2.53	2.69	2.68	2.86	2.76	2.63	2.66
North Dakota	--	--	4.28	--	--	4.36	--	4.19
Ohio	2.06	2.06	2.49	2.31	2.46	2.19	2.54	2.84
Oklahoma	2.72	2.74	2.92	3.35	3.63	2.98	3.65	2.56
Oregon	--	--	--	1.53	1.81	1.59	1.94	1.71
Pennsylvania	3.16	2.90	2.91	3.07	3.09	3.05	3.23	3.93
Rhode Island	2.13	2.04	1.86	--	--	2.04	--	2.43
South Carolina	2.56	3.15	1.46	3.29	3.45	1.53	2.44	2.92
South Dakota	--	--	--	--	2.60	1.77	--	--
Tennessee	--	--	--	--	--	--	--	--
Texas	2.03	1.99	1.94	1.92	2.23	2.03	2.43	2.29
Utah	1.67	1.62	1.83	1.88	1.82	1.72	1.85	1.60
Vermont	1.77	1.74	1.63	2.57	2.65	1.72	2.38	1.93
Virginia	2.59	2.32	2.22	2.43	2.54	1.90	2.29	2.41
Washington	3.57	7.71	4.18	3.13	3.01	4.02	4.02	4.02
West Virginia	1.21	--	3.66	3.69	3.60	3.63	3.72	3.53
Wisconsin	2.01	1.94	1.88	2.72	2.89	2.72	3.21	3.09
Wyoming	3.37	3.36	3.48	3.49	3.51	3.51	3.54	3.55
Total	2.11	2.07	1.99	2.03	2.49	2.18	2.64	2.43

^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	June 1993		May 1993		April 1993		March 1993	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	71.8	18.1	75.2	17.0	80.3	19.8	82.4	19.9
Alaska	100.0	79.7	100.0	70.8	100.0	73.4	100.0	70.1
Arizona	90.3	18.6	90.8	28.8	89.7	24.0	93.4	28.0
Arkansas	84.0	14.2	87.5	14.3	91.7	16.0	92.7	16.1
California	69.9	31.3	75.6	34.0	79.6	35.8	76.4	36.0
Colorado	95.1	30.1	94.8	30.1	95.5	34.1	96.2	32.7
Connecticut	99.2	71.9	99.2	69.5	98.0	69.9	97.0	73.5
Delaware	100.0	69.3	100.0	74.9	100.0	72.5	100.0	73.7
District of Columbia	99.8	--	100.0	--	100.0	--	100.0	--
Florida	97.5	35.3	97.5	30.5	97.3	28.5	96.5	28.6
Georgia	81.6	23.1	85.3	23.3	90.0	26.4	94.0	35.0
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	82.4	.0	87.5	.0	88.0	.0	91.0	.0
Illinois	43.5	7.2	51.6	8.4	56.4	16.0	58.4	15.4
Indiana	91.4	14.1	99.9	25.0	99.4	25.9	99.5	27.4
Iowa	88.0	10.5	92.3	12.9	95.9	11.9	95.5	14.9
Kansas	78.7	14.3	84.4	12.2	83.4	12.5	85.1	10.4
Kentucky	93.0	24.3	91.8	28.4	93.0	37.7	94.9	29.0
Louisiana	98.8	26.0	98.8	34.3	98.4	35.0	97.9	31.3
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	96.1	47.8	94.5	7.6	96.2	9.0	96.4	22.0
Massachusetts	99.7	53.0	99.6	60.7	99.7	56.0	99.8	54.1
Michigan	50.0	3.0	62.2	5.2	66.5	8.5	71.3	10.2
Minnesota	93.4	48.4	99.3	50.0	99.1	45.9	96.4	48.4
Mississippi	91.5	31.1	95.5	33.4	96.7	32.2	92.7	35.8
Missouri	73.8	17.6	80.1	22.4	86.8	24.2	88.8	27.2
Montana	91.1	9.9	94.9	13.8	93.9	14.1	94.9	14.9
Nebraska	87.7	23.1	97.8	29.4	91.7	24.2	93.0	42.4
Nevada	90.7	3.7	92.5	3.3	91.1	3.7	94.3	7.5
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	86.7	53.4	88.7	54.5	91.4	55.4	93.9	58.5
New Mexico	54.2	2.1	59.5	10.3	61.2	1.7	66.1	1.6
New York	65.6	15.4	71.3	16.0	78.7	21.9	82.8	25.9
North Carolina	90.0	54.7	100.0	94.3	100.0	95.6	100.0	92.8
North Dakota	62.6	15.6	73.3	18.9	76.8	26.2	77.3	29.5
Ohio	73.6	6.5	75.8	7.4	83.5	10.7	86.7	13.5
Oklahoma	82.0	28.2	88.2	27.2	90.2	31.0	91.0	27.1
Oregon	97.8	27.2	97.6	21.7	97.9	22.0	98.5	23.8
Pennsylvania	72.4	17.5	71.4	23.6	77.6	27.0	79.0	25.5
Rhode Island	100.0	12.1	100.0	10.4	100.0	10.7	100.0	11.6
South Carolina	100.0	61.3	100.0	55.4	100.0	58.2	100.0	67.0
South Dakota	73.3	38.3	76.4	43.6	81.2	55.1	84.4	54.3
Tennessee	89.6	39.3	97.2	38.7	95.8	45.7	95.8	47.3
Texas	78.2	26.5	74.7	32.6	83.9	28.0	84.7	30.1
Utah	100.0	12.3	100.0	12.1	100.0	12.4	100.0	12.0
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	86.2	14.2	89.0	21.7	86.3	16.1	88.6	14.2
Washington	89.8	38.7	90.8	42.1	94.2	45.1	93.8	44.4
West Virginia	28.4	8.3	40.5	8.4	53.2	7.7	55.9	8.0
Wisconsin	89.3	36.5	90.0	40.6	89.2	43.3	92.4	49.6
Wyoming	96.9	4.0	98.3	3.2	98.2	3.0	98.4	5.0
Total	72.4	23.8	76.2	27.3	78.8	27.5	80.3	28.1

See footnotes at end of table.

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

State	February 1993		January 1993		Total 1992		December 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	81.8	22.0	80.3	20.3	78.6	24.3	78.3	25.3
Alaska	100.0	73.3	100.0	76.0	100.0	69.7	100.0	73.9
Arizona	94.9	25.6	94.9	29.3	87.7	29.9	94.4	31.2
Arkansas	92.9	16.6	92.4	16.6	96.0	12.8	91.5	16.4
California	81.2	44.6	78.7	31.6	74.0	34.6	81.0	37.4
Colorado	96.2	34.9	96.3	35.3	95.3	40.6	96.0	38.3
Connecticut	97.5	73.4	97.0	71.5	96.4	65.6	98.3	75.2
Delaware	100.0	75.5	100.0	71.8	100.0	65.1	100.0	74.0
District of Columbia	100.0	--	99.9	--	99.0	--	99.9	--
Florida	96.6	31.0	89.9	33.4	95.9	29.6	90.6	32.4
Georgia	92.2	37.7	90.7	31.1	87.3	30.8	92.3	36.4
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	89.9	.0	89.4	.0	85.7	.0	88.3	.0
Illinois	58.4	16.9	60.8	21.0	57.1	14.2	59.3	19.6
Indiana	93.7	26.8	94.2	23.9	97.0	23.6	98.1	22.7
Iowa	96.2	18.1	96.2	16.2	95.6	16.7	96.5	22.9
Kansas	82.1	8.6	83.3	9.9	84.0	9.5	82.0	7.8
Kentucky	95.1	21.4	95.0	19.9	92.5	29.5	94.6	23.1
Louisiana	97.8	34.3	97.2	34.5	92.0	34.3	97.6	34.4
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	97.3	14.9	97.2	18.5	95.9	14.5	97.3	22.8
Massachusetts	100.0	58.2	99.7	57.9	99.7	82.1	100.0	75.5
Michigan	71.0	10.8	73.1	11.5	67.7	7.7	72.1	10.9
Minnesota	96.8	48.7	98.7	50.4	90.6	40.5	97.1	52.5
Mississippi	84.4	34.5	91.6	34.8	94.3	34.7	91.4	34.1
Missouri	86.3	28.5	86.9	29.1	85.1	22.5	86.5	26.9
Montana	94.1	16.1	95.4	16.4	95.4	17.8	94.6	13.5
Nebraska	94.4	45.4	93.7	45.0	87.6	52.7	90.7	55.7
Nevada	96.0	6.9	97.0	6.1	88.2	10.9	95.3	20.1
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	94.2	60.5	95.4	63.4	92.1	55.2	96.9	59.0
New Mexico	62.5	2.8	67.8	4.8	64.6	4.0	55.1	9.1
New York	82.2	28.0	82.3	24.4	76.7	19.7	80.7	22.1
North Carolina	100.0	93.9	100.0	97.0	95.5	80.3	100.0	98.8
North Dakota	73.8	31.4	77.1	34.2	68.8	21.3	68.8	30.9
Ohio	86.8	12.6	89.2	11.2	86.6	11.4	89.4	14.3
Oklahoma	91.3	38.1	91.2	41.2	87.3	23.3	89.8	41.6
Oregon	98.9	26.0	98.5	25.4	97.8	16.2	98.3	19.5
Pennsylvania	78.8	26.7	80.0	29.8	76.8	19.8	80.5	30.3
Rhode Island	100.0	11.8	100.0	10.6	99.9	13.6	100.0	10.5
South Carolina	100.0	70.0	98.4	69.8	98.3	64.7	100.0	72.8
South Dakota	83.9	61.4	86.5	68.3	81.9	52.0	84.7	68.5
Tennessee	96.2	44.8	95.9	39.1	95.4	46.9	96.0	47.4
Texas	86.0	^R 29.1	84.4	32.9	84.5	26.6	82.1	28.2
Utah	100.0	11.2	100.0	9.0	100.0	10.4	100.0	12.5
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.9	15.2	84.3	9.4	89.2	^R 12.5	88.7	^R 18.1
Washington	93.2	45.9	93.8	47.9	87.2	36.3	92.3	45.3
West Virginia	56.0	6.7	55.7	8.8	46.9	2.5	48.7	4.6
Wisconsin	93.3	49.1	92.5	47.1	68.7	38.3	92.3	45.7
Wyoming	98.3	4.2	98.5	4.7	93.9	3.1	98.0	4.0
Total	80.4	^R 29.1	80.6	29.5	78.9	^R 26.8	85.3	29.2

See footnotes at end of table.

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

State	November 1992		October 1992		September 1992		August 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	71.5	24.6	70.4	23.1	71.8	21.2	72.0	23.2
Alaska	100.0	72.2	100.0	71.2	100.0	81.3	100.0	80.1
Arizona	91.5	28.8	93.2	30.2	90.5	27.3	85.9	28.1
Arkansas	87.6	14.7	86.4	13.9	85.1	11.8	84.0	11.7
California	76.3	34.8	78.6	39.1	79.3	40.9	64.0	37.2
Colorado	93.4	33.5	90.9	38.5	93.3	41.8	93.0	35.8
Connecticut	98.1	78.8	97.8	69.6	98.7	63.9	98.7	61.7
Delaware	100.0	72.3	100.0	68.9	100.0	61.9	100.0	62.3
District of Columbia	99.9	--	99.9	--	98.9	--	99.4	--
Florida	90.3	29.4	92.8	25.7	98.0	28.8	97.8	28.0
Georgia	87.1	25.6	83.6	26.2	82.4	36.1	82.3	31.4
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	82.2	.0	77.9	.0	80.2	.0	82.4	.0
Illinois	59.8	21.2	54.9	18.5	46.3	12.2	48.5	7.5
Indiana	99.8	30.2	99.8	28.7	92.5	21.2	99.6	25.9
Iowa	96.0	25.6	90.7	18.4	88.4	12.6	90.4	12.4
Kansas	77.4	9.3	80.6	8.9	86.6	9.7	88.5	12.4
Kentucky	94.3	30.9	92.5	52.3	86.9	44.8	86.4	36.7
Louisiana	96.9	32.3	96.6	32.6	98.7	35.4	98.5	31.6
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	96.9	31.9	94.9	13.3	94.0	5.8	92.5	6.3
Massachusetts	99.6	78.7	99.5	81.9	99.4	81.7	98.5	81.8
Michigan	67.4	7.2	59.8	4.8	48.6	3.5	50.3	3.3
Minnesota	96.3	47.0	99.3	43.4	92.6	38.1	89.1	34.6
Mississippi	95.0	34.2	94.9	32.6	90.7	32.7	94.4	34.5
Missouri	80.1	21.8	74.9	26.6	72.9	17.9	74.4	20.9
Montana	92.9	14.4	92.1	11.3	90.7	9.5	96.7	15.1
Nebraska	86.8	57.0	83.6	51.0	79.3	44.0	83.3	50.6
Nevada	88.5	9.5	88.9	9.5	82.7	9.3	81.4	9.9
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	95.0	63.4	86.9	56.3	81.3	56.7	81.3	55.2
New Mexico	50.9	7.6	51.8	2.9	54.7	8.5	58.6	1.9
New York	81.8	21.3	75.0	18.4	68.1	13.8	68.2	11.4
North Carolina	100.0	97.3	99.9	96.5	88.3	74.1	85.0	61.2
North Dakota	67.3	25.7	56.8	18.0	57.1	14.2	58.8	13.0
Ohio	86.8	12.6	85.3	12.1	74.8	7.3	75.2	9.0
Oklahoma	84.5	31.3	82.7	27.8	81.5	24.9	83.1	21.3
Oregon	97.3	17.9	94.5	14.7	97.8	13.8	96.7	13.8
Pennsylvania	75.3	26.6	75.2	25.8	70.8	17.6	68.6	15.3
Rhode Island	100.0	8.2	100.0	7.6	100.0	13.4	100.0	10.3
South Carolina	100.0	67.7	99.6	64.3	96.4	60.9	95.0	63.1
South Dakota	81.8	64.1	76.4	59.2	78.0	54.7	74.5	50.2
Tennessee	96.9	46.0	96.7	45.7	89.7	36.3	88.3	40.3
Texas	80.2	23.7	76.9	29.2	76.3	24.8	81.7	27.6
Utah	100.0	10.2	100.0	10.3	100.0	9.8	100.0	9.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	84.5	18.0	88.2	15.0	81.3	^a 18.4	83.7	^a 12.2
Washington	86.8	37.0	83.4	35.4	81.3	36.9	80.2	26.7
West Virginia	46.8	2.8	38.6	2.3	25.4	2.3	25.3	2.4
Wisconsin	90.0	42.9	84.1	35.4	78.8	31.7	76.9	30.1
Wyoming	97.9	3.6	96.8	2.3	97.0	2.0	96.7	2.1
Total	78.4	27.3	80.5	29.8	74.0	^a 26.0	72.2	25.3

See footnotes at end of table.

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

State	July 1992		June 1992		May 1992		April 1992	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	72.8	26.3	75.2	22.7	76.6	22.8	81.2	23.4
Alaska	100.0	66.6	100.0	69.9	100.0	67.6	100.0	66.7
Arizona	87.0	26.4	88.8	26.4	89.8	26.4	94.0	31.5
Arkansas	84.5	11.9	85.8	12.6	87.3	12.2	92.0	13.9
California	60.3	36.6	74.1	33.3	62.9	30.9	78.6	44.0
Colorado	93.9	41.3	95.8	28.9	94.8	29.5	95.4	26.8
Connecticut	95.7	54.1	87.0	52.1	93.5	54.1	94.3	59.2
Delaware	100.0	59.1	100.0	60.0	100.0	63.5	100.0	61.1
District of Columbia	91.4	--	99.9	--	97.5	--	97.3	--
Florida	97.8	30.8	98.0	34.2	98.1	35.1	98.0	24.7
Georgia	78.5	27.4	81.6	26.3	84.0	35.8	87.4	41.3
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	81.0	.0	80.2	.0	83.1	.0	85.2	.0
Illinois	43.7	7.0	42.7	5.3	52.3	8.7	56.8	11.4
Indiana	93.3	18.1	99.9	23.2	99.7	25.1	96.8	22.9
Iowa	91.1	11.2	93.0	12.1	94.2	12.8	96.1	14.2
Kansas	88.0	11.1	86.4	8.7	88.5	12.1	86.4	9.3
Kentucky	85.6	38.2	85.8	39.9	86.9	27.8	91.2	17.9
Louisiana	98.6	33.9	98.5	30.8	98.6	45.3	98.6	41.5
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	92.9	5.1	92.7	4.8	93.9	3.9	95.5	10.6
Massachusetts	99.6	82.9	99.7	80.5	99.6	83.7	99.7	86.1
Michigan	47.2	3.8	54.2	3.9	65.4	6.0	69.4	8.9
Minnesota	92.6	31.0	87.6	35.3	91.7	33.8	95.1	37.9
Mississippi	94.9	34.4	94.7	32.8	94.4	33.8	96.0	34.9
Missouri	70.1	18.0	80.3	18.8	82.5	17.7	87.9	28.6
Montana	95.4	15.4	94.9	16.7	96.6	17.7	96.5	23.8
Nebraska	85.3	47.3	81.4	43.6	88.4	54.3	90.7	51.4
Nevada	84.8	7.0	84.0	11.0	83.7	9.1	87.2	10.1
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	89.0	52.3	91.6	53.0	94.3	51.2	88.2	47.8
New Mexico	56.5	1.7	60.8	2.2	58.1	7.0	67.9	.6
New York	71.9	14.7	69.8	12.3	71.4	14.3	76.4	21.2
North Carolina	82.8	47.0	84.6	61.1	87.4	60.9	92.5	72.4
North Dakota	61.6	12.5	63.7	14.7	73.3	16.8	71.5	24.8
Ohio	73.7	7.2	75.5	8.3	80.3	8.2	86.7	11.9
Oklahoma	77.0	15.9	81.4	16.6	82.9	16.5	89.1	16.1
Oregon	97.9	13.6	97.7	16.0	97.7	19.3	97.6	19.5
Pennsylvania	69.5	12.0	74.4	10.4	73.1	12.5	76.3	17.6
Rhode Island	100.0	14.7	100.0	10.8	100.0	15.9	99.6	14.0
South Carolina	94.7	59.6	95.1	62.3	98.2	67.0	98.3	59.2
South Dakota	72.3	32.6	73.5	39.2	80.7	40.8	83.0	44.3
Tennessee	96.7	41.0	94.8	45.1	92.3	47.8	96.5	47.9
Texas	82.1	26.3	83.1	28.9	84.5	25.7	88.9	27.9
Utah	100.0	9.2	100.0	9.3	100.0	9.4	100.0	10.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	84.9	^R 7.8	86.5	^R 18.0	87.1	^R 14.4	90.3	14.5
Washington	78.5	35.7	80.6	33.3	83.4	35.0	85.4	35.4
West Virginia	27.1	1.7	30.2	2.1	44.4	2.5	53.2	3.0
Wisconsin	78.2	28.8	81.0	26.3	77.7	31.1	86.8	37.6
Wyoming	96.1	2.0	96.8	2.1	97.6	2.8	98.1	3.8
Total	72.0	^R 24.8	75.3	24.8	74.9	25.6	79.1	26.8

See footnotes at end of table.

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

State	March 1992		February 1992		January 1992		Total 1991	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	83.0	29.1	85.1	26.1	81.8	23.4	82.7	31.4
Alaska	100.0	69.0	100.0	68.0	100.0	68.7	100.0	69.1
Arizona	97.7	33.1	98.6	33.0	98.6	38.6	93.2	48.1
Arkansas	90.8	13.9	94.1	15.8	93.4	15.1	91.5	19.4
California	75.3	30.5	65.1	29.3	86.3	26.6	77.8	29.8
Colorado	95.7	28.5	96.5	26.0	96.5	29.3	96.0	34.7
Connecticut	95.5	62.6	97.1	72.0	97.8	75.8	93.0	68.2
Delaware	100.0	62.2	100.0	63.8	100.0	65.9	100.0	65.9
District of Columbia	99.9	---	99.9	---	99.6	---	97.3	---
Florida	97.1	25.6	96.9	25.3	96.4	34.3	97.4	40.7
Georgia	88.6	28.6	90.0	25.0	90.1	30.2	87.5	36.8
Hawaii	100.0	---	100.0	---	100.0	---	100.0	---
Idaho	87.1	.0	89.0	.0	89.4	.0	87.6	.4
Illinois	58.8	13.9	57.5	16.1	62.4	20.1	59.0	15.4
Indiana	98.9	20.6	93.3	20.1	94.5	23.5	94.2	21.4
Iowa	96.4	14.7	97.3	18.9	97.5	21.1	97.6	28.1
Kansas	83.3	7.7	83.3	9.4	82.4	8.5	89.2	15.1
Kentucky	93.0	14.0	93.7	16.3	95.0	26.0	94.0	26.6
Louisiana	98.5	43.1	98.1	42.4	97.1	41.8	99.1	45.3
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.9
Maryland	96.1	17.1	97.1	22.2	97.1	24.2	96.6	15.8
Massachusetts	99.7	80.4	99.9	82.7	99.9	88.7	99.8	71.0
Michigan	70.3	10.2	73.5	12.2	72.7	13.2	68.3	10.8
Minnesota	95.6	40.6	94.9	39.0	99.6	44.5	95.2	41.8
Mississippi	95.6	36.6	93.1	40.7	96.2	35.6	95.9	48.0
Missouri	89.0	26.4	89.9	31.2	89.5	29.7	85.9	25.3
Montana	96.7	27.7	97.9	27.1	97.1	25.2	97.5	54.5
Nebraska	88.6	59.6	90.6	54.3	90.7	61.2	91.8	46.4
Nevada	88.3	9.8	89.5	13.3	90.6	12.5	90.8	14.1
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.1
New Jersey	92.3	53.3	92.3	56.0	97.0	55.4	93.9	55.9
New Mexico	70.4	1.4	81.5	1.5	81.2	3.5	77.7	10.5
New York	78.7	23.6	78.0	26.3	80.2	30.1	80.7	29.4
North Carolina	99.1	94.8	99.1	93.5	99.2	98.3	95.0	72.5
North Dakota	71.9	21.3	73.7	28.8	71.6	25.6	70.0	23.9
Ohio	89.2	13.0	88.9	14.7	89.9	14.3	86.7	12.0
Oklahoma	88.3	18.3	90.8	18.9	89.9	29.8	91.3	42.0
Oregon	97.3	18.7	98.3	14.8	98.5	15.8	97.9	19.1
Pennsylvania	77.8	18.7	78.6	20.2	78.8	25.6	77.3	20.9
Rhode Island	100.0	11.5	100.0	8.4	100.0	9.6	100.0	14.3
South Carolina	98.6	59.6	98.9	66.8	98.9	76.1	98.2	70.4
South Dakota	81.0	41.8	83.3	53.3	86.9	67.2	81.8	55.1
Tennessee	96.0	53.1	96.4	54.6	95.8	54.8	95.7	55.6
Texas	88.4	24.3	90.5	27.9	91.3	24.9	89.0	30.7
Utah	100.0	9.5	100.0	11.1	100.0	11.6	100.0	15.3
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	92.6	13.6	92.1	15.9	93.6	13.6	93.6	28.8
Washington	88.7	37.9	89.0	38.6	92.1	38.4	92.2	44.2
West Virginia	48.9	3.4	56.7	3.2	55.3	2.8	54.9	21.4
Wisconsin	88.4	41.2	89.9	43.0	89.8	51.4	91.0	42.7
Wyoming	97.5	4.2	97.8	4.3	98.4	4.7	99.0	6.3
Total	80.8	26.1	80.0	27.3	82.5	27.8	85.1	32.7

See footnotes at end of table.

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

State	December 1991		November 1991		October 1991		September 1991	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	81.7	30.4	75.4	29.3	74.4	27.8	75.7	28.6
Alaska	100.0	70.8	100.0	88.4	100.0	64.7	100.0	57.3
Arizona	97.7	40.4	92.8	31.6	92.8	32.1	88.4	50.5
Arkansas	92.2	19.0	90.5	19.1	86.4	18.1	85.9	16.9
California	80.3	25.6	69.8	29.8	64.7	24.7	67.9	22.5
Colorado	96.2	29.9	94.6	31.6	92.3	33.6	93.6	34.2
Connecticut	96.5	73.5	93.0	67.2	85.8	57.0	77.8	52.8
Delaware	100.0	67.3	100.0	63.9	100.0	64.3	100.0	57.4
District of Columbia	99.4	--	95.6	--	91.0	--	90.5	--
Florida	96.8	40.1	96.7	37.4	97.7	33.6	98.1	36.8
Georgia	92.4	35.7	90.7	37.2	82.7	30.8	78.8	45.1
Hawaii	100.0	--	100.0	--	100.0	--	100.0	--
Idaho	87.4	.4	85.0	.5	73.5	.2	82.9	.3
Illinois	60.2	21.1	60.4	21.1	54.7	12.8	55.0	10.1
Indiana	95.3	25.9	97.8	28.5	98.5	22.4	92.5	20.1
Iowa	97.9	26.1	98.4	26.0	96.2	19.2	95.9	23.6
Kansas	85.3	11.5	87.7	12.2	82.0	15.0	86.8	15.6
Kentucky	95.4	37.4	95.7	38.1	91.4	49.8	91.1	35.0
Louisiana	97.6	44.5	97.3	45.0	98.4	44.5	98.4	44.8
Maine	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Maryland	97.3	24.2	96.5	18.2	95.8	12.8	94.0	14.0
Massachusetts	99.8	68.7	99.8	64.6	99.8	67.9	99.5	65.3
Michigan	70.0	12.9	67.2	12.5	60.0	6.4	47.5	5.1
Minnesota	98.9	55.5	97.0	53.2	97.7	42.0	90.4	31.9
Mississippi	96.3	47.6	95.4	49.3	94.9	48.8	95.0	49.2
Missouri	88.4	30.4	85.9	28.2	75.5	19.8	75.0	17.6
Montana	97.2	24.4	96.5	22.6	96.3	57.2	95.8	59.1
Nebraska	91.4	60.6	90.4	64.3	86.0	46.0	85.8	40.0
Nevada	89.0	12.5	82.1	14.7	84.2	10.6	79.5	10.9
New Hampshire	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New Jersey	97.0	67.3	93.2	60.5	89.9	53.4	89.2	53.8
New Mexico	72.8	6.3	75.5	8.3	71.7	7.6	73.7	12.7
New York	81.0	32.4	79.5	29.5	75.0	23.9	73.1	22.7
North Carolina	99.2	97.8	99.0	94.8	97.9	88.2	85.0	51.9
North Dakota	70.0	27.6	67.5	25.4	48.6	15.0	49.6	10.0
Ohio	89.8	15.0	87.7	13.2	82.6	10.4	75.5	8.1
Oklahoma	90.6	30.0	87.5	23.2	81.2	23.8	86.8	35.7
Oregon	98.0	21.6	97.5	18.7	95.9	18.7	97.2	18.2
Pennsylvania	76.7	27.4	76.3	23.6	72.9	15.9	72.1	13.6
Rhode Island	100.0	9.7	100.0	9.7	100.0	9.7	100.0	16.2
South Carolina	98.8	71.1	98.9	70.2	97.3	72.4	97.6	68.8
South Dakota	85.2	62.8	83.3	59.2	76.7	51.0	74.5	63.0
Tennessee	97.7	59.4	97.1	59.6	95.3	52.7	93.9	54.0
Texas	87.1	27.4	84.2	28.7	80.0	24.6	86.8	27.8
Utah	100.0	10.4	100.0	11.9	100.0	12.8	100.0	13.8
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	93.4	38.2	90.9	40.0	92.5	29.4	90.2	25.7
Washington	92.0	40.2	88.7	40.6	85.2	45.2	85.5	39.9
West Virginia	57.9	18.8	55.5	15.9	45.1	21.4	36.4	28.0
Wisconsin	92.1	48.7	91.5	47.3	86.7	40.1	83.5	36.1
Wyoming	98.5	6.3	98.6	5.6	98.3	4.7	97.1	5.3
Total	86.0	32.3	85.0	32.8	78.8	29.2	78.0	29.4

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 39 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.

Final Monthly Data

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

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

Note 2. Supplemental Gaseous Fuels

Annual Data

Annual data are published from Form EIA-176.

Preliminary Monthly Data

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

Final Monthly Data

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

Note 3. Production

Annual Data

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

Estimated Monthly Data

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

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

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

Preliminary Monthly Data

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

Final Monthly Data

Final monthly data for 1991 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

Data Sources

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

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

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

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

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

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

Survey Design

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

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial consumers for the account of others. The revised form was approved for use during report years 1987 through 1989. Response to the form was mandatory.

A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities, but not in transportation and storage activities, may file the short form. Usually, these companies are municipalities 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. 19050176
Expires: 12/31/93

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

This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to report may result in criminal fines, civil penalties, and other sanctions as provided by law. See Section VI of the instructions for confidentiality statement. Public reporting burden for this collection of information is estimated to average 19.8 hours per response, including the time of reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Energy Information Administration, Office of Statistical Standards, EI-73, Mail Station 2F 081 Forrestal, 1000 Independence Ave SW, Washington DC 20585, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington DC 20503.

EIA USE

Affix mailing label or enter mail address

Control (ID) No. _____

Name: _____
Operations in (State): _____
Street or Post Office Box: _____
City, State, Zip Code: _____
Attention: _____

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

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

PART I: IDENTIFICATION

1.0 Control No.	2.0 Company Name:	3.0 Report State	EIA ☐	4.0 Resubmittal ☐	Date: _____
5.0 Company status, name, and/or address change or correction. (Check appropriate box)					
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:
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PART III: TYPE OF COMPANY AND GAS ACTIVITIES OPERATED IN THE REPORT STATE

<p>1.0 Type of Company (check one)</p> <p>a ☐ Investor owned distributor</p> <p>b ☐ Municipally owned distributor</p> <p>c ☐ Interstate pipeline</p> <p>d ☐ Intrastate pipeline</p> <p>e ☐ Storage operator</p> <p>f ☐ SNG plant operator</p> <p>g ☐ Integrated oil and gas</p> <p>h ☐ Producer</p> <p>i ☐ Gatherer</p> <p>j ☐ Processor</p> <p>k ☐ Other (specify) _____</p>	<p>2.0 Gas Activities Operated On-system Within the Report State (check all that apply)</p> <table style="width: 100%;"> <tr> <td style="width: 60%;">a ☐ Produced Natural Gas</td> <td style="width: 40%;">m ☐ Delivered for Resale</td> </tr> <tr> <td>b ☐ Gathered</td> <td>n ☐ Delivered directly to consumers</td> </tr> <tr> <td>c ☐ Processed</td> <td>o ☐ Other (specify) _____</td> </tr> <tr> <td>d ☐ Purchased</td> <td></td> </tr> <tr> <td>e ☐ Transported Interstate</td> <td></td> </tr> <tr> <td>f ☐ Transported Intrastate</td> <td></td> </tr> <tr> <td>g ☐ Stored Underground</td> <td></td> </tr> <tr> <td>h ☐ Stored LNG</td> <td></td> </tr> <tr> <td>i ☐ Injected Propane-air</td> <td></td> </tr> <tr> <td>j ☐ Produced SNG</td> <td></td> </tr> <tr> <td>k ☐ Imported</td> <td></td> </tr> <tr> <td>l ☐ Exported</td> <td></td> </tr> </table>	a ☐ Produced Natural Gas	m ☐ Delivered for Resale	b ☐ Gathered	n ☐ Delivered directly to consumers	c ☐ Processed	o ☐ Other (specify) _____	d ☐ Purchased		e ☐ Transported Interstate		f ☐ Transported Intrastate		g ☐ Stored Underground		h ☐ Stored LNG		i ☐ Injected Propane-air		j ☐ Produced SNG		k ☐ Imported		l ☐ Exported	
a ☐ Produced Natural Gas	m ☐ Delivered for Resale																								
b ☐ Gathered	n ☐ Delivered directly to consumers																								
c ☐ Processed	o ☐ Other (specify) _____																								
d ☐ Purchased																									
e ☐ Transported Interstate																									
f ☐ Transported Intrastate																									
g ☐ Stored Underground																									
h ☐ Stored LNG																									
i ☐ Injected Propane-air																									
j ☐ Produced SNG																									
k ☐ Imported																									
l ☐ Exported																									

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

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

EIA COPY Page 2

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

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

	Volume (Mcf at 14.73 psia)	e or f	Cost or Revenue (Dollars)	e or f
1.0 Used in well, lease, and field operations				
2.0 Returned to oil and/or gas reservoirs				
3.0 Used, removed, or lost in gas processing or treating plants				
3.1 Company-operated plants:				
3.1.1 Volume delivered to company-operated plants for redelivery	 Mcf			
3.1.2 Volume used for plant fuel				
3.1.3 Extraction loss estimated gas phase volume of liquids extracted				
3.1.4 Volume of nonhydrocarbons removed (e.g., H ₂ S & CO ₂)				
3.1.5 Vented, flared, and/or lost				
3.2 Plants operated by others:				
3.2.1 Volume delivered to plants operated by others for redelivery	 Mcf			
3.2.2 Total volume used, removed, vented, and/or flared				
4.0 Added to storage facilities:				
4.1 Injected into company-operated underground storage				
4.1.1 Company-owned natural gas				
4.1.2 Natural gas owned by others				
4.2 Company owned gas delivered directly to underground storage operators				
4.3 Delivered to underground storage operators for the account of others				
4.4 Added to liquefied natural gas storage				
5.0 Deliveries of company-owned natural gas				
5.1 Delivered to other pipelines within the report State				
5.2 Delivered to resellers (e.g. distribution companies)				
5.3 Delivered at the State line or U.S. border to:				
Company 				
State or Country 				
(Continue on Part VI if more space is needed)				
5.4 Delivered directly to consumers				
Number of consumers				
5.4.1 Residential sales				
5.4.2 Commercial sales				
5.4.3 Industrial sales				
5.4.4 Electric utility sales				
5.4.5 Natural gas used as vehicle fuel				
6.0 Average heat content of gas delivered directly to consumers	 Btu			
7.0 Natural gas transported for the account of others				
7.1 Delivered to other pipelines within the report State				
7.2 Delivered to resellers for the account of others				
7.3 Delivered at the State line or U.S. border to:				
Company 				
State or Country 				
(Continue on Part VI if more space is needed)				
7.4 Transported and delivered to consumers for the account of others				
Number of consumers				
7.4.1 Residential consumers				
7.4.2 Commercial consumers				
7.4.3 Industrial consumers				
7.4.4 Electric utility consumers				
7.4.5 Natural gas used as vehicle fuel				
8.0 Deliveries or exchange gas				
8.1 Delivered at point(s) within the report State				
8.2 Delivered at the State line or U.S. Border to:				
Company 				
State or Country 				
(Continue on Part VI if more space is needed)				
9.0 Used in pipeline, storage, and/or distribution operations				
10.0 Other disposition (specify)				
(Continue on Part VI if more space is needed)				
11.0 Total disposition accounted for				
12.0 Unaccounted for gas supply (+) or disposition (-)				

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

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

Supply (Continued)	Volume (Mcf at 14.73 psia)	e or f	Cost or Revenue (Dollars)	e or f
PART IV, 2.4 On-system purchases received at State line or U.S. border from: (Continued)				
Company 				
State or Country 				
Company 				
State or Country 				
PART IV, 3.2 Transportation and or exchange receipts at State line or U.S. border from: (Continued)				
Company 				
State or Country 				
Company 				
State or Country 				
PART IV, 4.0 Transported into 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)				
				
				
				

EIA COPY Page 4

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EIA	
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0 Resubmitted
☐ Date:

1992

1997

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 61-73, 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
		EIA <input type="text"/>	Date: <input type="text"/>
5.0 Company status, name, and/or address change or correction. (Check appropriate box.)			
a. ☐ Name and address on mailing label are correct. b. ☐ Change name, attention line, and/or mail address as indicated below. c. ☐ Company was sold to, or merged with, company entered below. d. ☐ Company went out of business. Customer accounts taken over by company entered below. e. ☐ Other changes, corrections, or comments: _____			
5.1 Change mail address to:			
a. Company Name: _____ b. Operations in (State): _____ c. Street or Post Office Box: _____ d. City, State, Zip Code: _____ e. Attention: _____			
6.0 Contact person:			
Name: _____		Telephone Area Number: Code _____	No. _____ Ext. _____

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

Page 1

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EIA	
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1.0 Type of Company (check one)

- k. ☐ Other (specify) _____

e. ☐ Produced Natural Gas

- m. ☐ Delivered for Resale
n. ☐ Delivered directly to consumers
o. ☐ Other (specify)

2.0 On-system purchases received:

- 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

Volume
(Mcf at 14.73 psia)

On

**Cost
(Dollars)**

01

9.0 Used in pipeline, storage and/or distribution operations

6.4 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

8.0 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 (-)

Volume
(Mcf at 14.73 psia)

0
01
f

**Cost or Revenue
(Dollars)**

●
O
f

EIA COPY

Page 2

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EIA COPY **Page 3**

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

EIA-627 (Revised 1992)

U.S. DEPARTMENT OF ENERGY
Energy Information Administration

Form Approved
OMB No. 19050175
Expires 12-31-93

ANNUAL QUANTITY AND VALUE OF NATURAL GAS REPORT

PART I IDENTIFICATION DATA	
1. Name of State Reporting	2. Calendar Year Being Reported 19 <input type="text"/>
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 for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Energy Information Administration, Office of Statistical Standards, EIA-73, Mail Station 2F-081 Forrestal, 1000 Independence Ave SW, Washington, D.C. 20585, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503.

Month	Gross Withdrawals		Used for Repressuring Etc.	Vented and Flared	Nonhydrocarbon Gases Removed	Natural Gas Used as Fuel on Leases	Marketed Production
	Gas and Condensate Wells	Oil Wells (Casinghead)					
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.

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 sheets.

Name of Contact Person

Phone Number

Complete and return to: Energy Information Administration, 934 Station BG-604 Forrestal
U.S. Department of Energy, Washington, D.C. 20585, Attn: Form EIA-627

2 of 2

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

EIA-191 (Revised 1991)

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

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

UNDERGROUND GAS STORAGE REPORT**I. RESPONDENT IDENTIFICATION DATA**

Control (ID) No. _____

Name.....

Street or Post Office Box:

City, State, Zip Code:

This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to report may result in criminal fines, civil penalties, and other sanctions as provided by law. See "Provisions for Confidentiality" in the General Instructions for confidentiality statement. Public reporting burden for this collection of information is estimated to average 3.6 hours per response, including the time of reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Energy Information Administration, Office of Statistical Standards, EI-73, 1000 Independence Ave., SW, Washington, DC 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

Person to contact if questions arise concerning this report:		Tel. No. (Include Area Code and Extension)		Report Period		Mo		Yr	
GAS STORAGE DATA (All volumes in Mcf - 14.73 psia - 60°F)		State		Storage Field Capacity					
Storage Field Name		Location	County	Maximum Deliverability (Mcf/d)					
Reservoir Name(s)				Total Gas In Storage		Injections		Withdrawals	
☐ Estimated ☐ Actual ☐ Revised		Base Gas		Working Gas					
Respondent's Gas in Field Operated by Respondent									
Gas Belonging to Others in Field Operated by Respondent									
Total Gas (Sum of A and B)									
A									
B									
Peak Day Withdrawals (in Mcf)		Date		Day					
Storage Field Name		Location	State	Storage Field Capacity					
Reservoir Name(s)		County		Maximum Deliverability (Mcf/d)					
☐ Estimated ☐ Actual ☐ Revised		Base Gas		Working Gas		Total Gas In Storage		Injections	
Respondent's Gas in Field Operated by Respondent								Withdrawals	
Gas Belonging to Others in Field Operated by Respondent									
Total Gas (Sum of A and B)									
A									
B									
Peak Day Withdrawals (in Mcf)		Date		Day					
III. CERTIFICATION		I certify that the information submitted in this report is the most accurate available at this time to the best of my knowledge.							
Name (Type or Print)		Title		Signature		Date			

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

Survey Design

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

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

Survey Universe and Response Statistics

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

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

Summary of Form FERC-11 Data Requirements

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

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

Routine Form FERC-11 Edit Checks

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

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

Other EIA Publications Referencing Form FERC-11

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

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

Survey Design

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

Survey Universe and Response Statistics

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

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

Figure B6. Form FERC-11

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

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

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

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

Company Code Number

Month Being Reported
19__

PART I: IDENTIFICATION

1. Name of Company

2. Address of Company

(1) Number and Street

(2) City

(3) State

(4) Zip Code

3. Person Authorized To Sign This Report

(1) Signature

(2) Phone Number (Including area code)

PART II: REVENUE DATA

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

FERC FORM NO. 11 (REVISED 12-84)

Page 1 of 4

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

PART III: INCOME DATA

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

PART IV: OTHER SELECTED DATA

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

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

PART V: OPERATION AND MAINTENANCE EXPENSE DATA

Line No. (a)	Item (b)	Amount (In thousands of dollars)		Gas Volume (In millions of cubic feet)		Foot-note (g)
		Current Year (c)	Previous Year (d)	Current Year (e)	Previous Year (f)	
37	Manufactured Gas Production					
38	Liquefied Petroleum Gas					
39	Other Manufactured Gas					
40	TOTAL (Enter total of lines 38 and 39)					
41	Natural Gas Production					
42	Production and Gathering (750-769)					
43	Products Extraction (770-791)			(Enter thousands of gallons) 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

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

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

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)		Foreign Seller or Foreign Buyer				
☐ Import ☐ Export						
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) × 1000))				ANNUAL WEIGHTED AVERAGE PRICE IN CENTS PER MMBtu (Line 13, Column (f) ÷ Column (e) × 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. 49050175
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 (E-74, Mail Station 21, 981 Forrestal, 1000 Independence Ave. SW, Washington, DC 20585, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

Affix Identification Label or Enter

01 Control No. _____

02 Company Name _____

State of Operation: _____

Return completed forms to

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

SECTION I Natural Gas Purchases and Deliveries to Consumers

		Report Period Mo. _____ Yr. _____	Revised Report Indicator 04 _____
		Volume (Mcft 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 16 Name	17 Telephone (Area Code, Number, Extension)
Certification: I certify that the information provided hereon is true and accurate or, where indicated on the form, reasonable estimates to the best of my knowledge.	
18 Name	19 Title
Signature	Date

Appendix C

Statistical Considerations

Statistical Considerations

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

Sample Design

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

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

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

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

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

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

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

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

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

where:

C_j = cutoff value for consumer sector j ,

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

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

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

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

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

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

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

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

where:

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

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

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

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

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

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

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

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

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

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

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

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

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

Estimation Procedures

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

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

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

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

where:

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

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

The ratio estimator is applied as follows:

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

where:

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

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

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

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

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

where:

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

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

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

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

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

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

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

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

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

where:

F_t = imputed gas volume for current month t,

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

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

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

Final Revisions

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	108	357	1,750	1,789	0.25	0.21	0.15
Alaska	0	0	0	0	--	--	--
Arizona	9	18	0	20	.04	.01	--
Arkansas	32	25	109	116	.28	.09	.12
California	84	85	2,518	2,519	.04	.01	.21
Colorado	47	30	0	55	.06	.03	--
Connecticut	0	0	0	0	--	--	--
Delaware	0	0	0	0	--	--	--
District of Columbia	0	0	0	0	--	--	--
Florida	19	26	881	882	.35	.09	.30
Georgia	325	433	1,394	1,496	.70	.05	1.24
Hawaii	0	0	0	0	--	--	--
Idaho	0	0	0	0	--	--	--
Illinois	2,595	381	455	2,662	.78	2.79	.93
Indiana	308	43	1,667	1,696	.69	.64	.22
Iowa	144	34	220	265	.36	.02	.24
Kansas	96	7,993	9,487	12,405	.77	2.41	5.02
Kentucky	104	134	617	639	.16	.24	1.30
Louisiana	87	137	910	924	.21	.20	.22
Maine	0	0	0	0	--	--	--
Maryland	8	2	54	55	--	.01	.09
Massachusetts	55	64	281	294	.28	.26	.03
Michigan	1,099	813	1,877	2,164	.36	.41	.07
Minnesota	617	201	832	906	.93	.42	.21
Mississippi	114	23	647	657	.50	.26	.15
Missouri	266	114	280	403	.24	.26	.55
Montana	3	0	0	3	.02	.02	--
Nebraska	11	7	186	187	.25	.03	.04
Nevada	0	0	0	0	--	--	--
New Hampshire	0	0	0	0	--	--	--
New Jersey	0	0	0	0	--	--	--
New Mexico	141	15	72	159	.10	.93	--
New York	732	417	876	1,215	.42	.14	.21
North Carolina	27	42	122	132	.15	.11	.21
North Dakota	0	0	0	0	--	--	--
Ohio	1,496	848	796	1,895	.03	.16	.11
Oklahoma	90	316	28	329	.01	.12	.01
Oregon	0	0	0	0	--	--	--
Pennsylvania	142	27	2,103	2,108	.08	.08	.63
Rhode Island	0	0	0	0	--	--	--
South Carolina	35	74	1,022	1,026	.05	.23	.27
South Dakota	0	0	0	0	--	--	--
Tennessee	417	122	437	616	1.05	.12	.20
Texas	261	8,800	32,294	33,472	.30	.95	.03
Utah	0	0	0	0	--	--	--
Vermont	0	0	0	0	--	--	--
Virginia	12	151	982	993	1.08	.29	1.73
Washington	0	0	0	0	--	--	--
West Virginia	81	146	232	286	1.16	3.03	.17
Wisconsin	460	891	820	1,295	.10	1.23	1.42
Wyoming	23	37	348	351	.21	.10	.16
U.S. Totals	3,459	12,017	34,087	36,309	.13	.35	.35

-- = Not Applicable.

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

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

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

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

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

Appendix D

Natural Gas Reports and Feature Articles

Natural Gas Reports and Feature Articles

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

- *Natural Gas Annual 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 1992*, DOE/EIA-0384(92), June 1993. Published annually.
- *Short-Term Energy Outlook*, DOE/EIA-0202. Published quarterly. Provides forecasts for next six quarters for natural gas and other energy sources.

Selected One-Time Natural Gas and Related Reports

- *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

January 1991

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.)

Take-or-Pay Settlements

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

February 1991

Recent Trends and Regional Variability in Underground Storage Activities

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

March 1991

Natural Gas Transportation Services: An Update

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

April 1991

An Overview of Recent Developments in the Underground Storage Market

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

May 1991

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

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

June 1991

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

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

July 1991

The Outlook for Natural Gas 1991

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

August 1991

U.S. Natural Gas Imports and Exports - 1990

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

September 1991

Background on the Natural Gas Industry

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

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

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

March 1992

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

August 1992

U.S. Natural Gas Imports and Exports - 1991

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

November 1992

Natural Gas Futures Contract Market - The First 2 Years

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

December 1992

Three-Dimensional Seismology -- A New Perspective

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

Imports of Canadian Gas Under Long-Term Contracts

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

March 1993

Natural Gas 1992: Issues and Trends

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

Natural Gas Productive Capacity

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

April 1993

Revisions to Monthly Natural Gas Data

(Discusses the revision errors for natural gas data.)

August 1993

U.S. Natural Gas Imports and Exports - 1992

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

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: Annual:	Interstate Oil and Gas Compact Commission (IOGCC) EIA-627, "Annual Quantity and Value of Natural Gas Report"	Donna Dunston (202) 586-6135
		Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202) 586-4790
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Margo Natof (202) 586-6303
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Sup- ply and Disposition"	Donna Dunston (202) 586-6135 Margo Natof (202) 586-6303
Imports and Exports	2	Monthly: Annual:	EIA computations Form FPC-14, "Annual Reports for Importers and Exporters of Natural Gas"	Norman Crabtree (202) 586-6181
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: Annual:	EIA computations Form EIA-627, "Annual Quantity and Value of Natural Gas Report"	Donna Dunston (202) 586-6135
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		Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	
All Consumers	22			
Average Price to:				

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