1 of 3

Natural Gas Annual 1992 Supplement: Company Profiles

January 1994

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

MASTER

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or reflecting any policy position of the Department of Energy or any other organization.

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

Contacts

The *Natural Gas Annual Supplement* is prepared by the Energy Information Administration, Office of Oil and Gas, Reserves and Natural Gas Division under the direction of Diane W. Lique.

General information for this document may be obtained from Kendrick E. Brown, Jr. (202/586-6077), Chief of the Data Operations Branch. Questions and comments concerning the contents of the *Natural Gas Annual Supplement* may be directed to Ann M. Ducca

(202/586-6137) and Margo Natof (202/586-6303). Inquiries about specific companies may be referred to Ellis Maupin (202/586-6178). Inquiries about data presented in the tables may be directed to Dolly Tolson (202/586-6664) and Sylvia Norris (202/586-6106).

The data reported on the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," are available on diskette. Contact Sheila Darnell (202/586-6165) for information about diskettes.

Preface

The *Natural Gas Annual* provides information on the supply and disposition of natural gas to a wide audience including industry, consumers, Federal and State agencies, and educational institutions. This report, the *Natural Gas Annual 1992 Supplement: Company Profiles*, presents a detailed profile of selected companies.

The data in the *Natural Gas Annual* publications are taken from surveys conducted by the Energy Information Administration (EIA), U.S. Department of Energy (DOE), to fulfill its responsibilities for gathering and reporting energy data. All of the information presented in this volume is taken from the mandatory

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." Beginning with the collection of data for 1990, data reported on the Form EIA-176 are no longer proprietary.

All volumes of natural gas in this publication are reported at 14.73 pounds per square inch absolute and 60 degrees Fahrenheit, except where noted. A glossary of terms is provided to assist users in understanding the data presented. A description of the data collection surveys appears in Appendix A of the *Natural Gas Annual 1992, Volume 1*.

Contents

	Page
Overview	1
Arkla, Inc.	3
Atlanta Gas Light Co.	11
Baltimore Gas and Electric Co.	13
Boston Gas Co.	15
Brooklyn Union Gas Co.	17
Coastal Corp.	19
Columbia Gas Systems, Inc.	29
Consolidated Edison Co. of New York, Inc.	37
Consolidated Natural Gas Co.	41
Consumers Power Co.	47
El Paso Natural Gas Co.	49
Enron Corp.	53
Equitable Resources, Inc.	61
Gas Company of New Mexico	63
Iroquois Gas Transmission System	65
K N Energy, Inc.	67
Koch Gateway Pipeline Co.	73
Lone Star Gas Co.	77
Michigan Consolidated Gas Co.	79
MidCon Corp.	83
National Fuel Gas Co.	89
Niagara Mohawk Power Corp.	93
Northern Illinois Gas Co.	97
Northern Indiana Public Service Co.	101
Northwest Natural Gas Co.	103
ONEOK, Inc.	105
Pacific Gas and Electric Co.	109
Panhandle Eastern Corp.	113
Peoples Gas Light & Coke Co.	123
Public Service Co. of Colorado	125
Public Service Electric and Gas Co.	127
Questar Corp.	131

Sabine Pipe Line Co.	135
San Diego Gas and Electric Co.	137
Southern California Gas Co.	139
Southern Natural Gas Co.	141
Southwest Gas Corp.	145
Tenneco, Inc.	149
Transco Gas Co.	157
Valero Energy Corp.	163
Washington Gas Light Co.	167
Western Resources, Inc.	171
The Williams Companies, Inc.	173
Williston Basin Interstate Pipeline Co.	179
Wisconsin Gas Co.	183
Appendices	
A. Summary of Data Collection and Report Methodology	187
B. Selected Natural Gas and Related Reports	203
Glossary	205

Tables

	Page
1. Arkla, Inc., Natural Gas Data, 1992	5
2. Arkla, Inc., Interstate Flows of Natural Gas, 1992	10
3. Atlanta Gas Light Co. Natural Gas Data, 1992	12
4. Baltimore Gas and Electric Co. Natural Gas Data, 1992	14
5. Boston Gas Co. Natural Gas Data, 1992	16
6. Brooklyn Union Gas Co. Natural Gas Data, 1992	18
7. Coastal Corp. Natural Gas Data, 1992	20
8. Coastal Corp. Interstate Flows of Natural Gas, 1992	27
9. Columbia Gas System, Inc., Natural Gas Data, 1992	30
10. Columbia Gas System, Inc., Interstate Flows of Natural Gas, 1992	36
11. Consolidated Edison Co. of New York, Inc. Natural Gas Data, 1992	39
12. Consolidated Natural Gas Co. Natural Gas Data, 1992	42
13. Consolidated Natural Gas Co. Interstate Flows of Natural Gas, 1992	45
14. Consumers Power Co. Natural Gas Data, 1992	48
15. El Paso Natural Gas Co. Natural Gas Data, 1992	50
16. El Paso Natural Gas Co. Interstate Flows of Natural Gas, 1992	52
17. Enron Corp. Natural Gas Data, 1992	54
18. Enron Corp. Interstate Flows of Natural Gas, 1992	60
19. Equitable Resources, Inc. Natural Gas Data, 1992	62
20. Gas Company of New Mexico Natural Gas Data, 1992	64
21. Iroquois Gas Transmission System Natural Gas Data, 1992	66
22. K N Energy, Inc. Natural Gas Data, 1992	68
23. K N Energy, Inc. Interstate Flows of Natural Gas, 1992	71
24. Koch Gateway Pipeline Co. Natural Gas Data, 1992	74
25. Koch Gateway Pipeline Co. Interstate Flows of Natural Gas, 1992	75
26. Lone Star Gas Co. Natural Gas Data, 1992	78
27. Michigan Consolidated Gas Co. Natural Gas Data, 1992	81
28. MidCon Corp. Natural Gas Data, 1992	84
29. MidCon Corp. Interstate Flows of Natural Gas, 1992	88
30. National Fuel Gas Co. Natural Gas Data, 1992	91
31. National Fuel Gas Co. Interstate Flows of Natural Gas, 1992	92
32. Niagara Mohawk Power Corp. Natural Gas Data, 1992	95
33. Northern Illinois Gas Co. Natural Gas Data, 1992	99
34. Northern Indiana Public Service Co. Natural Gas Data, 1992	102
35. Northwest Natural Gas Co. Natural Gas Data, 1992	104
36. ONEOK, Inc. Natural Gas Data, 1992	107
37. Pacific Gas and Electric Co. Natural Gas Data, 1992	110
38. Pacific Gas and Electric Co. Interstate Flows of Natural Gas, 1992	111
39. Panhandle Eastern Corp. Natural Gas Data, 1992	114
40. Panhandle Eastern Corp. Interstate Flows of Natural Gas, 1992	122
41. Peoples Gas Light & Coke Co. Natural Gas Data, 1992	124
42. Public Service Co. of Colorado Natural Gas Data, 1992	126
43. Public Service Electric and Gas Co. Natural Gas Data, 1992	129
44. Questar Corp. Natural Gas Data, 1992	132
45. Questar Corp. Interstate Flows of Natural Gas, 1992	134
46. Sabine Pipe Line Co. Natural Gas Data, 1992	136
47. San Diego Gas and Electric Co. Natural Gas Data, 1992	138
48. Southern California Gas Co. Natural Gas Data, 1992	140
49. Southern Natural Gas Co. Natural Gas Data, 1992	142
50. Southern Natural Gas Co. Interstate Flows of Natural Gas, 1992	144
51. Southwest Gas Corp. Natural Gas Data, 1992	146
52. Southwest Gas Corp. Interstate Flows of Natural Gas, 1992	147
53. Tenneco, Inc. Natural Gas Data, 1992	150
54. Tenneco, Inc. Interstate Flows of Natural Gas, 1992	155
55. Transco Gas Co. Natural Gas Data, 1992	158
56. Transco Gas Co. Interstate Flows of Natural Gas, 1992	162
57. Valero Energy Corp. Natural Gas Data, 1992	164
58. Washington Gas Light Co. Natural Gas Data, 1992	168

59.	Washinton Gas Light Co. Interstate Flows of Natural Gas, 1992	170
60.	Western Resources, Inc. Natural Gas Data, 1992	172
61.	The Williams Companies, Inc. Natural Gas Data, 1992	174
62.	The Williams Companies, Inc. Interstate Flows of Natural Gas, 1992	178
63.	Williston Basin Interstate Pipeline Co. Natural Gas Data, 1992	180
64.	Williston Basin Interstate Pipeline Co. Interstate Flows of Natural Gas, 1992	182
65.	Wisconsin Gas Co. Natural Gas Data, 1992	184
A1.	Company Profile Data Elements	197
A2.	Alphabetical Listing of Affiliate Companies	198

Illustrations

	Page
1. Arkla Inc., 1992	3
2. Minnegasco, Inc., 1992	4
3. Atlanta Gas Light Co., 1992	11
4. Baltimore Gas and Electric Co., 1992	13
5. Boston Gas Co., 1992	15
6. Brooklyn Union Gas Co., 1992	17
7. Coastal Corp., 1992	19
8. Columbia Gas Systems, Inc., 1992	29
9. Consolidated Edison Co. of New York, Inc., 1992	37
10. Consolidated Natural Gas Co., 1992	41
11. Consumers Power Co., 1992	47
12. El Paso Natural Gas Co., 1992	49
13. Enron Corp., 1992	53
14. Equitable Resources, Inc., 1992	61
15. Gas Company of New Mexico, 1992	63
16. Iroquois Gas Transmission System, 1992	65
17. K N Energy, Inc., 1992	67
18. Koch Gateway Pipeline Co., 1992	73
19. Lone Star Gas Co., 1992	77
20. Michigan Consolidated Gas Co., 1992	79
21. MidCon Corp., 1992	83
22. National Fuel Gas Co., 1992	89
23. Niagara Mohawk Power Corp., 1992	93
24. Northern Illinois Gas Co., 1992	97
25. Northern Indiana Public Service Co., 1992	101
26. Northwest Natural Gas Co., 1992	103
27. ONEOK, Inc., 1992	105
28. Pacific Gas and Electric Co., 1992	109
29. Panhandle Eastern Corp., 1992	113
30. Peoples Gas Light & Coke Co., 1992	123
31. Public Service Co. of Colorado, 1992	125
32. Public Service Electric and Gas Co., 1992	127
33. Questar Corp., 1992	131
34. Sabine Pipe Line Co., 1992	135
35. San Diego Gas and Electric Co., 1992	137
36. Southern California Gas Co., 1992	139
37. Southern Natural Gas Co., 1992	141
38. Southwest Gas Corp., 1992	145
39. Tenneco, Inc., 1992	149
40. Transco Gas Co., 1992	157
41. Valero Energy Corp., 1992	163
42. Washington Gas Light Co., 1992	167
43. Western Resources, Inc., 1992	171
44. The Williams Companies, Inc., 1992	173
45. Williston Basin Interstate Pipeline Co., 1992	179
46. Wisconsin Gas Co., 1992	183
A1. Form EIA-176	192

Overview

A complex grid of natural gas pipelines, extending a quarter of a million miles, crisscrosses the Nation and connects all States except Alaska, Hawaii, and Vermont. This extensive network reaches more than 50 million residential customers and more than 4 million other customers. The demand along this complex grid is met by the operations of natural gas pipeline companies and local distribution companies.

The companies appearing in this report, the *Natural Gas Annual 1992 Supplement: Company Profiles*, are major interstate natural gas pipeline companies, large distribution companies, or combination companies with both pipeline and distribution operations. The report contains profiles of 45 corporate families. The profiles describe briefly each company, where it operates, and any important issues that the company faces.

The tables accompanying each profile present data reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." Other sources of information include industry literature and corporate annual reports.

Companies were selected for the profiles in a multistep process using knowledge of the industry and specific information included on Form EIA-176 submissions. First, the 20 interstate pipeline companies (representing distinct corporate families) with the greatest reported volumes of gas transported were selected. The other companies, not in the same corporate family as any of the first group, were selected from the top companies in volumes delivered to end users. Finally, additional companies belonging to the same corporate family as companies in either of the first two groups were included in the profiles.

Form EIA-176 is submitted by all respondents from an identified universe of operators of fields, wells, or natural gas processing plants that distribute gas to end users or transport gas to or across a State border; operators of synthetic natural gas plants; natural gas distributors; natural gas pipeline companies; and companies that operate underground natural gas storage facilities. Each respondent reports a supply and disposition balance for each State in which he operates. For the 1992 survey, 2,064 responses were received from approximately 1,800 companies.

Data are reported on a custody basis. All volumes of natural gas physically received on system are reported regardless of ownership. Concurrently, all volumes owned by the respondent company but not in its possession are not reported. Thus, double-counting is avoided. Natural gas not owned but in the possession of the respondent is reported as received or transported for the account of others, as appropriate. Exchange agreements are treated similarly.

The purpose of this report is to show the movement of natural gas through the various States served by the 45 large companies profiled. The companies in the report are interstate pipeline companies or local distribution companies (LDC's). Interstate pipeline companies acquire gas supplies from company-owned production, purchases from producers, and receipts for transportation for the account of others.

The Federal Energy Regulatory Commission (FERC) promulgated its Order 636, which provides for the "unbundling" of all services and rates for those services. More specifically, pipeline companies are required by the new rule to separate transmission and storage services from the sale of natural gas. All pipeline companies are required to file a plan to "unbundle" the product and services, and upon FERC approval of the plan, to implement the plan on November 1, 1993.

LDC's deliver natural gas directly to consumers, including individual residences, commercial operations, industrial facilities, and electric utilities. Nine of the companies profiled are major LDC's. They are Atlanta Gas Light Co., serving the Atlanta and Chattanooga areas; Consolidated Edison Co. of New York, Inc., serving New York City; Consumers Power Co., serving the central area of Michigan's Lower Peninsula; Michigan Consolidated Gas Co., serving the metropolitan area of Detroit and northern and western Michigan; Northern Illinois Gas Co., serving the northern third of Illinois, except Chicago; Northern Indiana Public Service Co., serving the northern third of Indiana; Pacific Gas and Electric Co., serving northern and central California; Public Service Electric and Gas Co., serving northern and central New Jersey; and Southern California Gas Co., serving southern California.

Natural gas company profiles are presented with pipeline system and service area maps. Company supply and disposition data are presented for the States of operation as reported on the Form EIA-176.

Arkla, Inc.

Arkla, Inc., operates an extensive pipeline network more than 14,000 miles long and a natural gas distribution system serving more than 2.6 million customers, making it a major company in the natural gas industry. The company's pipeline system and service areas are located primarily in the southcentral United States, with another major service area in Minnesota.

The Arkla Pipeline Group is comprised of two interstate pipelines, Arkla Energy Resources (AER) and Mississippi River Transmission (MRT), and a marketing group, Arkla Energy Marketing. The AER system serves as a primary conduit for bringing mid-continent natural gas production to pipeline systems reaching

midwestern and eastern markets. The MRT system extends from the city of St. Louis, Missouri, through Arkansas and into northern Louisiana. It also provides connections from mid-continent supplies to midwestern and eastern markets.

Arkla's Line AC transports gas from the Arkoma basin of Oklahoma to eastern and midwestern markets. Currently the company is working with Panhandle Eastern's Texas Eastern pipeline system to extend Line AC from eastern Arkansas to northeastern Mississippi.

Three divisions form the distribution operations: Arkansas Louisiana Gas Company (ALG), Entex, and

Figure 1. Arkla Inc., 1992

Energy Information Administration/Natural Gas Annual 1992 Supplement: Company Profiles

Service Areas

Arkla, Inc.

Louisiana Intrastate Gas Co.

Mississippi River Transmission Corp.

Minnegasco. During 1992 ALG served over 735,000 customers in Arkansas, Oklahoma, east Texas, northern Louisiana, and southern Kansas, including the cities of Little Rock, Arkansas and Shreveport, Louisiana. Entex had over 1.3 million customers in Louisiana, Mississippi, and Texas, including the city of Houston, Arkla's single largest market. Minnegasco's service areas were in Minnesota, including Minneapolis; Nebraska; and South Dakota. Its customers in Minnesota number approximately 580,000.

In Arkansas, ALG delivered 71 percent of the natural gas consumed by the residential sector and 60 percent of the commercial sector consumption in 1992. New applications for ALG include providing service to gas-fueled desiccant cooling equipment and a cogeneration facility. Entex delivered 27 percent of the 1992 residential gas consumption in Texas.

Minnegasco's service areas in the Northcentral United States have extremely cold winter weather. During 1992, Minnegasco delivered 48 percent of the gas consumed by the residential sector and 54 percent of the gas consumed by the commercial sector in Minnesota. Minnegasco added the Mall of America to its customer base in 1992. This mall, North America's largest, consumes more than 300 million cubic feet of natural gas each year.

The Arkla distribution divisions have used natural gas vehicles (NGV's) for more than 10 years. Entex has 254 fleet vehicles that use natural gas, Minnegasco has 116, and ALG has 50. Enfuels, a joint venture of Entex, Enron, Transco Energy and Autogas, opened the first public NGV fueling station in Houston in 1992. Enfuels also operates a facility for converting and repairing NGV's. ALG will open a NGV fueling station in its territory in 1993.

Figure 2. Minnegasco, Inc., 1992

Energy Information Administration/Natural Gas Annual 1992 Supplement: Company Profiles

Service Areas

Table 1. Arkla, Inc., Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Arkansas Louisiana Gas Co.		Arkla Energy Resources		
	Louisiana	Arkansas	Louisiana	Arkansas	Missouri
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	13,128,945	51,181,522	3,822,956	13,284,139	0
Transported/Exchange Gas	3,103,923	14,527,957	281,942,049	130,827,564	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	0	34,978,951	344,055,302	272,754
Storage Withdrawals	0	0	1,853,494	0	0
Received from Storage Operators	0	0	8,972,616	0	0
Other Supplies	0	0	0	0	0
Total Supplies	16,232,868	65,709,479	331,570,066	488,167,005	272,754
DISPOSITION					
Lease and Plant Use	0	0	333,096	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	0	16,835,944	6,474,063	0
Exchange Gas Deliveries	0	0	3,128,472	4,210,099	195,322
Storage Injections	0	0	1,015,516	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	6,975,037	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	0	8,379,228	27,589,724	0
To Consumers					
Residential	8,288,187	28,128,297	0	0	0
Commercial	3,517,168	15,228,816	0	0	0
Industrial	722,222	5,320,300	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	1,199	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	19,926,479	220,220,472	0
To Resellers	0	0	245,914,952	123,484,195	77,432
To Consumers					
Residential	0	0	0	0	0
Commercial	3,103,923	2,343,354	0	0	0
Industrial	0	12,184,603	21,054,169	79,214,843	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	1,690,590	25,455,667	0
Pipeline/Compressor Fuel	0	0	359,652	2,855,217	0
Other Disposition	0	0	0	7,497	0
Unaccounted For	601,368	2,504,109	5,956,931	-1,345,971	0
Total Disposition	16,232,868	65,709,479	331,570,066	488,167,005	272,754

Arkla is currently taking measures to strengthen its financial position and to streamline its operations. The company reduced its 1992 common stock dividend and completed the "spindown" of AER in March 1993. The "spindown" moves AER from a division of the company to a wholly owned subsidiary and places it solely under the jurisdiction of the Federal Energy Regulatory Commission.

Arkla also completed two major asset sales and used the proceeds to reduce debt. They were as follows:

- The sale of its intrastate pipeline system, Louisiana Intrastate Gas (LIG), to a subsidiary of Equitable Resources, completed in June 1992. LIG has a 1,900-mile pipeline network in Louisiana and owns four large natural gas processing plants. As a mainly self-contained operation, LIG was a logical candidate for divestiture.

- The sale of its exploration and production subsidiary, Arkla Exploration Company (AEC), to Seagull Energy in December 1992. AEC assets included oil and gas reserves in eastern Oklahoma, western Arkansas, eastern Texas, and northern Louisiana.

In other streamlining efforts, Arkla took measures to focus its distribution operations in core areas. These measures included:

- The sale of its gas distribution system in Nebraska to Utilicorp United, completed in February 1993. The Nebraska system was part of Minnegasco and serves about 124,000 customers in eastern Nebraska. The system will be operated by the Peoples Natural Gas division of Utilicorp.
- An agreement to sell its Kansas distribution and transmission facilities to the Peoples Natural Gas

Table 1. Arkla, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Arkla Energy Resources			Entex Division of Arkla, Inc.	
	Texas	Oklahoma	Kansas	Louisiana	Texas
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	11,319,466	30,722,049	150,063	23,356,756	113,210,366
Transported/Exchange Gas	51,582,227	355,857,172	3,511,753	0	8,064,124
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	6,923,882	7,186,984	7,250,835	0	0
Storage Withdrawals	0	20,628,287	441,783	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	69,825,575	414,394,492	11,354,434	23,356,756	121,274,490
DISPOSITION					
Lease and Plant Use	680,774	3,292	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	40,894,302	336,464,399	0	0	0
Exchange Gas Deliveries	6,141,902	6,573,485	107,054	0	0
Storage Injections	0	17,144,694	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	3,155,714	10,441,186	2,576,891	0	0
To Consumers					
Residential	0	0	0	6,644,152	57,933,317
Commercial	0	0	0	2,548,844	39,199,408
Industrial	0	0	0	14,168,578	17,167,612
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	38,076	116,320	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	9,091,242	38,243,045	3,454,757	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	8,064,124
Industrial	10,675,368	1,324,790	3,550,029	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	530,911	1,081,987	0	0
Pipeline/Compressor Fuel	427,110	2,437,238	6,849	0	0
Other Disposition	1,716	0	0	0	0
Unaccounted For	-1,242,553	1,193,376	460,547	-4,818	-1,089,971
Total Disposition	69,825,575	414,394,492	11,354,434	23,356,756	121,274,490

division of Utilicorp United. These properties are somewhat remote from ALG's core distribution properties. This agreement was signed in May 1993.

- The exchange of Minnegasco's South Dakota distribution properties for Midwest Gas Co.'s Min-

nesota properties which are contiguous to Minnegasco's existing service markets. This exchange became effective in September 1993 and included a \$38 million payment by Arkla to Midwest Gas. Minnegasco's service areas are now located entirely in the State of Minnesota.

Table 1. Arkla, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Entex Division of Arkla, Inc.	Mississippi River Transmission Corp.			
	Mississippi	Oklahoma	Texas	Louisiana	Arkansas
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	18,478,214	0	1,289,176	2,683,740	48,549,636
Transported/Exchange Gas	54,818	60,339	15,047,634	27,279,163	198,593,566
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	0	0	151,016,768	0
Storage Withdrawals	0	0	0	28,680,641	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	18,533,032	60,339	16,336,810	209,660,312	247,143,202
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	0	16,011,850	0	236,797,500
Exchange Gas Deliveries	0	0	0	316,683	1,228,078
Storage Injections	0	0	0	22,794,002	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	0	0	0	3,604,025
To Consumers					
Residential	6,222,019	0	0	0	0
Commercial	4,382,657	0	0	0	0
Industrial	7,962,498	0	0	35,572	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	12,236,313	0
To Resellers	0	60,992	178,250	172,401,118	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	54,818	0	0	0	3,263,893
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	0	0	89,008	1,138,542	1,364,890
Other Disposition	0	0	0	0	0
Unaccounted For	-88,960	-653	57,702	738,082	884,816
Total Disposition	18,533,032	60,339	16,336,810	209,660,312	247,143,202

Table 1. Arkla, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Mississippi River Transmission Corp.		Louisiana Intrastate Gas Co.	Unit Gas Transmission Co.	Industrial Gas Supply Corp.
	Missouri	Illinois	Louisiana	Texas	
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	5,831,915	10,442,882	15,007,216	9,427,554
Transported/Exchange Gas	0	21,009,098	198,718,870	5,750,624	20,915,416
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	114,028,895	28,170,681	0	0	0
Storage Withdrawals	0	641,441	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	114,028,895	55,653,135	209,161,752	20,757,840	30,342,970
DISPOSITION					
Lease and Plant Use	0	0	16,126,136	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	28,170,681	12,236,313	0	0	0
Exchange Gas Deliveries	0	598,667	0	0	0
Storage Injections	0	718,319	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	53,463,342	6,562,564	3,433,962	263,632	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	44,631
Industrial	59,507	732,648	10,668,828	14,654,084	9,383,083
Vehicle Fuel	0	0	0	0	0
Electric Utilities	118,358	96,429	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	3,533,315	21,408,698	0	0
To Resellers	28,888,761	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	456,207	0
Industrial	2,867,328	26,697,968	130,751,184	5,294,417	20,915,416
Vehicle Fuel	0	0	0	0	0
Electric Utilities	32,378	3,670,622	27,018,206	0	0
Pipeline/Compressor Fuel	226,260	544,123	0	0	0
Other Disposition	0	0	0	0	0
Unaccounted For	202,280	262,167	-245,262	89,500	-160
Total Disposition	114,028,895	55,653,135	209,161,752	20,757,840	30,342,970

Table 1. Arkia, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Tuscaloosa Pipeline Co.	Minnegasco, Inc.		
	Louisiana	Minnesota	South Dakota	Nebraska
SUPPLY				
Produced Onsystem	0	0	0	0
Receipts				
Purchases	6,784,380	111,140,498	7,862,666	20,302,803
Transported/Exchange Gas	0	8,497,618	484,759	3,599,855
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	0	0	0
Storage Withdrawals	0	1,519,556	0	0
Received from Storage Operators	0	0	0	0
Other Supplies	0	28,633	117	176
Total Supplies	6,784,380	121,186,305	8,347,542	23,902,834
DISPOSITION				
Lease and Plant Use	0	0	0	0
Returned to Formations	0	0	0	0
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	0	0	0
Exchange Gas Deliveries	0	0	0	0
Storage Injections	0	1,643,974	0	0
Deliveries of Company-owned Gas				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	0	0
To Resellers	6,855,385	0	0	0
To Consumers				
Residential	0	54,574,608	4,005,776	10,044,811
Commercial	0	44,764,799	3,474,410	6,607,302
Industrial	46,408	11,204,657	321,724	3,456,326
Vehicle Fuel	0	0	0	0
Electric Utilities	0	320,895	34,805	128,372
Transported for the Account of Others				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	0	0
To Resellers	0	0	0	0
To Consumers				
Residential	0	0	0	0
Commercial	0	833,485	32,104	1,382,308
Industrial	0	7,416,139	447,325	2,173,510
Vehicle Fuel	0	0	0	0
Electric Utilities	0	247,994	5,330	44,037
Pipeline/Compressor Fuel	0	129,095	8,628	11,510
Other Disposition	0	0	0	0
Unaccounted For	-117,413	50,659	17,440	54,658
Total Disposition	6,784,380	121,186,305	8,347,542	23,902,834

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

Table 2. Arkla, Inc., Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume
Arkla Energy Resources	
Louisiana To	
Arkansas	14,964,305
Texas	1,871,639
Arkansas To	
Louisiana	1,271,633
Missouri	272,754
Texas	4,929,676
Texas To	
Louisiana	33,707,318
Oklahoma	7,186,984
Oklahoma To	
Arkansas	329,090,997
Kansas	7,250,835
Texas	122,567
Mississippi River Transmission Corp.	
Texas To	
Louisiana	16,011,850
Arkansas To	
Louisiana	135,004,918
Missouri	101,792,582
Missouri To	
Illinois	28,170,681

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

Atlanta Gas Light Co.

The largest natural gas distributor in the Southeastern United States is the Atlanta Gas Light Company. It's predominant business is the distribution of natural gas, with several other diversified operations as well. Atlanta Gas Light Company, incorporated in 1856 to serve the City of Atlanta, is the oldest corporation in Georgia to operate continuously under its original charter. The company has two wholly owned subsidiaries: Chattanooga Gas Company, which serves Chattanooga and Cleveland, Tennessee; and Georgia Gas Company, which is primarily engaged in gas production. The Company's four pipeline suppliers are Southern Natural Gas Company (Southern), Transcontinental Gas Pipe Line Corporation (Transco), East

Tennessee Natural Gas Company (East Tennessee), and South Georgia Natural Gas Company (South Georgia). Southern and East Tennessee also supply gas service to Chattanooga Gas Company.

Atlanta Gas Light Company distributes natural gas in 227 cities and communities in Georgia and serves nearly 1.2 million customers. Chattanooga Gas Company serves more than 42,000 customers. In 1992, combined deliveries were 93 billion cubic feet of natural gas to residential customers, 49 billion cubic feet to commercial customers, and 123 billion cubic feet to industrial customers.

Figure 3. Atlanta Gas Light Co., 1992

Energy Information Administration/Natural Gas Annual 1992 Supplement: Company Profiles

Service Area

Table 3. Atlanta Gas Light Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Atlanta Gas Light Co.	Chattanooga Gas Co.
	Georgia	Tennessee
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	169,309,703	12,349,712
Transported/Exchange Gas	86,043,177	3,877,732
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Storage Withdrawals	1,346,025	562,030
Received from Storage Operators	0	0
Other Supplies	154,390	0
Total Supplies	256,853,295	16,789,474
DISPOSITION		
Lease and Plant Use	0	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Exchange Gas Deliveries	0	0
Storage Injections	1,246,255	944,558
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	89,413,341	3,140,414
Commercial	39,542,476	3,140,520
Industrial	36,138,043	5,544,886
Vehicle Fuel	0	0
Electric Utilities	1,216,297	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	6,167,656	0
Industrial	77,885,845	3,877,732
Vehicle Fuel	0	0
Electric Utilities	0	0
Pipeline/Compressor Fuel	760,014	10,988
Other Disposition	0	0
Unaccounted For	4,483,368	130,376
Total Disposition	256,853,295	16,789,474

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

In 1992, the company, in conjunction with Amoco Oil Company, worked to open the first public natural gas vehicle (NGV) refueling station, located in the city of Atlanta. Several other recently completed projects include: the Atlanta Water Department converted over 20 meter-reading vehicles to run on natural gas, and the Savannah police department converted 75 of its squad cars as well. Both cities have opened refueling stations. These efforts reinforce Atlanta Gas Light's commitment to NGV's.

Currently, other NGV projects are under way. The first, in its final stages, is the opening of a full-scale natural gas technology center in Atlanta that will highlight NGV's. The second project involves ensuring that NGV's receive high visibility at the upcoming 1996 Summer Olympics. The latter project will receive assistance from the Department of Energy when its NGV demonstration project visits several cities, starting in Atlanta, as part of its program to test alternate fuels for vehicles. The Company also expects to direct its focus on natural gas cooling for which interest has increased significantly, due to the exclusion of chlorofluorocarbons from gas equipment.

Baltimore Gas and Electric Co.

Baltimore Gas and Electric Company (BG&E) is a publicly held corporation whose central operation is that of a local utility providing both natural gas service and electricity to the central Maryland region. BG&E has been involved in the natural gas industry for 177 years. In 1816, Rembrandt Peale formed the Gas Light Company of Baltimore, the first natural gas utility in the United States, to light the streets and homes of Baltimore. During the 1800's, the company merged with the People's Gas Light Company, Brush Electric Light Company, and the United States Electric Light and Power Company. In 1955, the Consolidated Gas Electric Light and Power Company of Baltimore was

renamed the Baltimore Gas and Electric Company (BG&E).

In addition to its utility operations, BG&E also has nonutility operations in the form of the Constellation Companies. Constellation Holdings is a wholly owned subsidiary involved in real estate development, senior living and health care, energy and environmental projects, and investments and financial services. Another wholly owned subsidiary of BG&E is BNG, Inc., primarily involved in investing in natural gas reserves and obtaining gas from nontraditional sources.

Figure 4. Baltimore Gas and Electric Co., 1992

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

Service Area

Table 4. Baltimore Gas & Electric Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Baltimore Gas and Electric Co.	
	Maryland	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	68,396,751	
Transported/Exchange Gas	44,060,962	
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals	714,565	
Received from Storage Operators		0
Other Supplies	88,784	
Total Supplies	113,261,062	
DISPOSITION		
Lease and Plant Use		0
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries		0
Storage Injections	801,038	
Deliveries of Company-owned Gas		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	37,473,379	
Commercial	21,176,052	
Industrial	6,458,199	
Vehicle Fuel		0
Electric Utilities		0
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential		0
Commercial	987,919	
Industrial	38,355,537	
Vehicle Fuel		0
Electric Utilities	3,691,028	
Pipeline/Compressor Fuel	22,954	
Other Disposition		0
Unaccounted For	4,294,956	
Total Disposition	113,261,062	

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

A 2,300-square-mile service area in Central Maryland encompasses all of BG&E's electric and natural gas markets. The company supplies natural gas to over 500,000 customers residing in an area of approximately 600 square miles. The majority of this natural gas is supplied through purchases from pipeline suppliers and natural gas producers. Facilities at three plants located in central Maryland are maintained by BG&E to provide for the production and storage of liquefied natural

gas (LNG), substitute natural gas, and propane as a supplemental supply.

BG&E maintains a natural-gas-fueled fleet of more than 100 vehicles. During 1992, in an effort to service more new homes in the area, BG&E built three compressed natural gas fueling stations and connected over 3,800 new homes to gas mains. Gas sales during 1992 rose primarily due to colder weather during the heating season.

Boston Gas Co.

Boston Gas Company is the largest gas distribution company in New England. It is a subsidiary of Eastern Enterprises, a diversified holding company. Boston Gas operates in the city of Boston and over 70 other cities and towns throughout eastern and central Massachusetts. The company serves over 500,000 residential, commercial, industrial, and electric utility users, and delivered over 100 billion cubic feet of natural gas to end users during 1992.

Boston Gas Company has only a 21 percent market share of the potential commercial or industrial users in their area. In the residential sector, 46 percent of Boston Gas Company's potential customers do not use natural gas for home heating. These two factors plus the cost and environmental advantages of natural gas, gives the company a very good growth potential to increase gas sales in the future. New market products like gas air-conditioning and natural gas vehicles also have future market potential.

Figure 5. Boston Gas Co., 1992

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

Service Areas

Table 5. Boston Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Boston Gas Co.	
	Massachusetts	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	92,356,371	
Transported/Exchange Gas	32,723,684	
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals	1,072,799	
Received from Storage Operators	5,064,559	
Other Supplies	47,689	
Total Supplies	131,265,102	
DISPOSITION		
Lease and Plant Use		0
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries		0
Storage Injections	16,879	
Deliveries of Company-owned Gas		
To Storage Operators	10,754,622	
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	50,097,885	
Commercial	24,318,253	
Industrial	9,751,319	
Vehicle Fuel		0
Electric Utilities	5,485,323	
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines		0
To Resellers	13,052,651	
To Consumers		
Residential		0
Commercial		0
Industrial	408,601	
Vehicle Fuel		0
Electric Utilities	19,262,432	
Pipeline/Compressor Fuel		0
Other Disposition		0
Unaccounted For	-1,882,863	
Total Disposition	131,265,102	

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

The company has submitted a proposal to the Massachusetts Department of Public Utilities for the purchase and consolidation of the 10 gas distribution companies in Massachusetts into 1 large utility. This plan is not a firm proposal to buy any or all of the other

gas distribution companies in the State, but implemented, it could save \$100 million yearly and improve the overall service in the State. The savings would come from greater purchasing power, consolidating functions, and eliminating redundant services.

Brooklyn Union Gas Co.

Brooklyn Union Gas Co. distributes natural gas to over 1 million customers, mostly residential, in Brooklyn, Queens, and Staten Island in New York City. It is also involved through its subsidiaries in gas exploration and production, cogeneration, propane distribution, and pipeline projects. In addition, Brooklyn Union is expanding its markets in such areas as natural gas vehicles, fuel cells, and air-conditioning.

Brooklyn Union is actively pursuing the conversion of apartment houses to natural gas by offering volume discount rates. In 1992, over 300 new customers were added, bringing the 5-year total to over 1,000 new customers.

Cogeneration projects include a 50-megawatt plant, which has been providing power and heat to Grumman Aerospace for 3 years. This year, Brooklyn Union began development of a 100-megawatt plant at the John F. Kennedy International Airport and continued development of a 40-megawatt plant at the State University of New York at Stony Brook. Fuel cell activity is highlighted by a 200-kilowatt demonstration project at a Staten Island hospital.

In June 1992, Brooklyn Union opened the first natural gas refueling facility in New York State to the public. The company is planning on participating in the opening of six more facilities by the end of 1993. New York

Figure 6. Brooklyn Union Gas Co., 1992

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

Service Areas

Table 6. Brooklyn Union Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Brooklyn Union Gas Co.	
	New York	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	9,168,083	
Transported/Exchange Gas	128,833,326	
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals	93,239	
Received from Storage Operators	41,649,707	
Other Supplies	1,122,906	
Total Supplies	180,867,261	
DISPOSITION		
Lease and Plant Use		0
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries	6,019,832	
Storage Injections	423,482	
Deliveries of Company-owned Gas		
To Storage Operators	42,921,616	
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	97,723,952	
Commercial	20,882,285	
Industrial	4,366,700	
Vehicle Fuel	5,998	
Electric Utilities		0
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	2,341,646	
Commercial	1,061,827	
Industrial	1,527,869	
Vehicle Fuel		0
Electric Utilities		0
Pipeline/Compressor Fuel		0
Other Disposition		0
Unaccounted For	3,592,054	
Total Disposition	180,867,261	

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

City plans to buy over 50 buses which run on natural gas in the next year and to convert over 350 cars to natural gas. In addition, the United States Postal Service opened a natural gas refueling station to service its fleet of 50 vehicles.

To assure itself of adequate supplies of natural gas, Brooklyn Union has entered into long-term contracts

with various producers in the Gulf Coast, western Canada, and Appalachia. It was one of the sponsors of the Iroquois Pipeline, which is now bringing supplies of natural gas from Canada to the Northeast and New York. Brooklyn Union is also involved in the new Liberty Pipeline which will run between New Jersey and Queens when it is completed in 1994. This pipeline will increase the availability of natural gas by approximately 200 million cubic feet per day.

Coastal Corp.

The Coastal Corporation is involved in natural gas marketing, transmission, and storage as well as other energy-related operations. Its natural gas subsidiaries include Coastal Gas Services Co., ANR Pipeline Co., Colorado Interstate Gas Co. (CIG), Wyoming Interstate Co., and ANR Storage Co. Coastal also is involved in joint ventures including Great Lakes Gas Transmission Ltd. (50-percent owned), High Island Offshore System (40-percent owned), and U-T Offshore System (33 1/3 percent owned).

Coastal Gas Services Co. has emerged in response to FERC Order 636, which provided for unbundling of gas sales and transmission. This subsidiary will manage

sales and delivery of natural gas as well as service to utility customers while Coastal's pipeline companies provide unbundled transmission service.

Coastal's pipelines transport natural gas from major production areas of the Gulf of Mexico; the Anadarko Basin in Texas, Oklahoma, and Kansas; and the Rocky Mountains to consuming areas in the Rocky Mountain States and the Midwest. In recent years, Coastal has embarked on a number of pipeline expansion projects to expand its natural gas markets. The Uinta Pipeline from eastern Utah to southern Wyoming was completed by CIG in 1992. The Empire State Pipeline runs from Niagara Falls to Syracuse, New York. It began

Figure 7. Coastal Corp., 1992

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

Supply Areas

— ANR Pipeline Co.
 - - Wyoming Interstate Co.

— Colorado Interstate Gas Co.
 - - Great Lakes Transmission Ltd.

Table 7. Coastal Corp. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	ANR Pipeline Co.					
	Louisiana	Arkansas	Mississippi	Tennessee	Kentucky	Indiana
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	21,576,282	0	30,549	0	0	0
Transported/Exchange Gas	798,208,453	0	0	0	0	2,731,352
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	331,141,350	331,279,146	328,356,611	324,494,361	321,345,551
Storage Withdrawals	0	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	819,784,735	331,141,350	331,309,695	328,356,611	324,494,361	324,076,903
DISPOSITION						
Lease and Plant Use	69,467	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	331,141,350	331,279,146	328,356,611	324,494,361	321,345,551	255,753,826
Exchange Gas Deliveries	39,203,769	0	0	0	0	0
Storage Injections	0	0	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	0	0	490,594	0	2,848,580
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	441,456,003	0	0	0	1,694,526	60,925,472
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	5,101,716	27,961	2,282,235	2,299,751	935,791	2,930,699
Other Disposition	0	0	0	0	0	0
Unaccounted For	2,812,430	-165,757	670,849	1,071,905	518,493	1,618,326
Total Disposition	819,784,735	331,141,350	331,309,695	328,356,611	324,494,361	324,076,903

operation in November 1993. The Liberty Pipeline, running from New Jersey to JFK International Airport on Long Island, will be completed in 1994. The Uinta Pipeline carries approximately 178 million cubic feet per day, the Empire State Pipeline can carry up to 600 million cubic feet per day, and the Liberty Pipeline will have a capacity of approximately 500 million cubic feet per day.

Other expansion projects include the InterCoastal Pipe Line, the Mayflower Pipeline, and the SunShine Pipeline. The InterCoastal Pipe Line will transport approximately 230 million cubic feet per day from Toronto to Sarnia, Ontario, upon completion in late 1994. ANR Pipeline, in partnership with a Canadian company, is converting a crude oil pipeline to natural gas. The Mayflower Pipeline will run from an interconnect with the Iroquois Pipeline at Canajoharie, New York to Boston. It is expected to be completed in 1996. Finally,

Coastal is hoping to complete the SunShine Pipeline from Pascagoula, Mississippi to Polk County, Florida and possibly later to Okeechobee County, Florida. The initial capacity would be 250 million cubic feet per day in 1995 possibly expanding to 600 million cubic feet per day in 1999.

FERC Order 636 requires companies to unbundle their storage services as well. To this end, Coastal is expanding its storage capacity along with its pipeline capacity. ANR Storage Company and an affiliate of Michigan Consolidated Gas Company are involved in the Blue Lake Storage project in Michigan. This project will add 42 billion cubic feet of capacity. CIG started development of 17 new injection/withdrawal wells in 1992 to increase its peak-day deliverability in three of its storage fields in Kansas and Colorado. One of these wells was the deepest successful horizontal gas storage well ever drilled in the United States.

Table 7. Coastal Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	ANR Pipeline Co.					
	Ohio	Michigan	Texas	Wyoming	Oklahoma	Kansas
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	0	0	31,088,230	31,887,269	29,821,251	349,157
Transported/Exchange Gas	13,691,066	612,869,699	339,407,482	15,861,325	201,813,324	5,827,960
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	200,460,161	147,220,737	0	0	57,563,484	239,264,022
Storage Withdrawals	0	108,057,764	0	0	0	0
Received from Storage Operators	0	18,421,624	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	214,151,227	886,569,824	370,495,712	47,748,594	289,198,059	245,441,139
DISPOSITION						
Lease and Plant Use	0	801	0	0	1,178,339	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	147,220,737	0	57,563,484	0	239,264,022	232,858,386
Exchange Gas Deliveries	0	187,153,384	0	158,911	8,489,813	0
Storage Injections	0	122,420,985	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	17,155,671	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	28,598	53,652,953	0	0	0	51,765
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	41,067,460	502,372,577	312,600,969	47,589,683	36,769,968	9,787,855
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	24,691,703	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	734,220	2,462,230	1,404,695	0	2,254,677	2,960,509
Other Disposition	0	0	0	0	0	0
Unaccounted For	408,509	1,351,223	-1,073,436	0	1,241,240	-217,376
Total Disposition	214,151,227	886,569,824	370,495,712	47,748,594	289,198,059	245,441,139

Table 7. Coastal Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	ANR Pipeline Co.				
	Nebraska	Missouri	Iowa	Illinois	Wisconsin
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	0	0	13,334,778
Transported/Exchange Gas	0	0	9,062,533	17,209,848	88,596,864
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	232,858,386	232,880,315	230,275,321	265,809,384	124,564,122
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	232,858,386	232,880,315	239,337,854	283,019,232	226,495,764
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	232,880,315	230,275,321	210,515,719	124,564,122	0
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	776,963	1,185,706	303,055	87,510,710
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	776,734	25,252,598	155,728,392	136,948,133
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	3,995	672,211	1,535,388	1,559,508	1,314,174
Other Disposition	0	0	0	0	0
Unaccounted For	-25,924	377,086	848,443	864,155	722,747
Total Disposition	232,858,386	232,880,315	239,337,854	283,019,232	226,495,764

Table 7. Coastal Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Eaton Rapids Gas Storage System	ANR Storage Co.	ANR Production Co.		
	Michigan		Montana	North Dakota	Utah
SUPPLY					
Produced Onsystem	0	0	109,640	57,128	8,017,063
Receipts					
Purchases	0	0	8,938	18,550	1,154,607
Transported/Exchange Gas	10,895,537	25,178,600	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	0	75,678	0	0
Storage Withdrawals	10,064,487	26,255,800	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	20,960,024	51,434,400	194,256	75,678	9,171,670
DISPOSITION					
Lease and Plant Use	0	0	60,001	0	2,788,697
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	75,678	0
Transported/Exchange Gas	0	0	0	0	0
Exchange Gas Deliveries	10,003,512	26,193,500	107,996	0	0
Storage Injections	10,733,717	24,784,800	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	6,373,892
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	4,018	0	0
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	222,795	456,100	0	0	0
Other Disposition	0	0	0	0	0
Unaccounted For	0	0	22,241	0	9,081
Total Disposition	20,960,024	51,434,400	194,256	75,678	9,171,670

Table 7. Coastal Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Colorado Interstate Gas Co.				
	Texas	Kansas	Oklahoma	Colorado	Wyoming
SUPPLY					
Produced Onsystem	52,070,838	36,991	2,303,841	0	0
Receipts					
Purchases	2,084,499	16,548,796	9,353,929	2,061,374	14,962,572
Transported/Exchange Gas	1,646,829	32,796,260	26,930,855	102,685,253	234,153,920
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	19,060,533	23,132,897	77,033,967	195,026,368	14,744,998
Storage Withdrawals	0	5,793,420	0	22,098,697	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	6,827,859	0
Total Supplies	74,862,699	78,308,364	115,622,592	328,699,551	263,861,490
DISPOSITION					
Lease and Plant Use	3,316,131	1,351,003	1,746,731	0	3,181,024
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	447,548	39,036,173	114,464,314	173,726,539
Exchange Gas Deliveries	379,269	387,993	1,061,186	0	1,346,461
Storage Injections	0	3,715,340	0	17,032,419	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	450,094	0	2,694,865	0
To Resellers	29,018,228	0	21,838	69,799,877	2,089,462
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	900,722	197	8	0	1,790
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	205,424	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	29,406,418	68,970,596	72,598,105	42,512,948	68,720,100
To Resellers	0	0	0	72,146,343	11,571,937
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	8,804,653	0	0	3,935,138	1,230,488
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	2,290,334	0
Pipeline/Compressor Fuel	3,649,267	2,985,593	1,158,551	2,300,947	1,993,689
Other Disposition	0	0	0	0	0
Unaccounted For	-611,989	0	0	1,316,942	0
Total Disposition	74,862,699	78,308,364	115,622,592	328,699,551	263,861,490

Table 7. Coastal Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Wyoming Interstate Co.		Great Lakes Gas Transmission Ltd.		
	Wyoming	Colorado	Minnesota	Wisconsin	Michigan
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	0	0	0
Transported/Exchange Gas	95,532,691	0	562,506	0	127,998,243
Interstate Movements					
Company-owned Gas	0	0	0	0	150,000
Transported/Exchange Gas	0	95,352,171	685,435,029	685,721,242	707,495,308
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	95,532,691	95,352,171	685,997,535	685,721,242	835,643,551
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	95,352,171	0	679,453,133	682,886,269	486,143,643
Exchange Gas Deliveries	0	0	68,092	0	78,851,882
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	3,828,505
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	95,423,579	51,860,654	627,413	249,112,827
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	0	0	11,713,307	2,197,768	13,097,397
Other Disposition	180,520	0	90,567	11,580	256,569
Unaccounted For	0	-71,408	-57,188,218	-1,788	4,352,728
Total Disposition	95,532,691	95,352,171	685,997,535	685,721,242	835,643,551

Table 7. Coastal Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Steuben Gas Storage Co.	High Island Offshore System		U-T Offshore System
	New York	Texas	Louisiana	
SUPPLY				
Produced Onsystem	0	0	0	0
Receipts				
Purchases	0	0	0	0
Transported/Exchange Gas	5,471,970	379,278,780	14,595,142	191,386,973
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	0	374,992,625	0
Storage Withdrawals	2,777,031	0	0	0
Received from Storage Operators	0	0	0	0
Other Supplies	0	0	0	0
Total Supplies	8,249,001	379,278,780	389,587,767	191,386,973
DISPOSITION				
Lease and Plant Use	0	0	0	0
Returned to Formations	0	0	0	0
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	374,992,625	0	0
Exchange Gas Deliveries	2,773,454	0	0	191,452,181
Storage Injections	5,420,717	0	0	0
Deliveries of Company-owned Gas				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	0	0
To Resellers	0	0	0	0
To Consumers				
Residential	0	0	0	0
Commercial	0	0	0	0
Industrial	0	0	0	0
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	0	0
Transported for the Account of Others				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	388,452,253	0
To Resellers	0	0	0	0
To Consumers				
Residential	0	0	0	0
Commercial	0	0	0	0
Industrial	0	0	0	0
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	0	0
Pipeline/Compressor Fuel	54,830	1,541,165	408,295	0
Other Disposition	0	0	0	0
Unaccounted For	0	2,744,990	727,219	-65,208
Total Disposition	8,249,001	379,278,780	389,587,767	191,386,973

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

Table 8. Coastal Corp. Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume	Company and State	Volume
ANR Pipeline Co.		Colorado Interstate Gas Co.	
Louisiana To		Kansas To	
Arkansas	331,141,350	Oklahoma	447,548
Arkansas To		Oklahoma To	
Mississippi	331,279,146	Colorado	19,975,640
Mississippi To		Texas	19,060,533
Tennessee	328,356,611	Colorado To	
Tennessee To		Kansas	23,132,897
Kentucky	324,494,361	Oklahoma	76,586,419
Kentucky To		Wyoming	14,744,998
Indiana	321,345,551	Wyoming To	
Indiana To		Colorado	173,726,539
Illinois	55,293,665	Wyoming Interstate Co.	
Ohio	200,460,161	Wyoming To	
Ohio To		Colorado	95,352,171
Michigan	147,220,737		
Texas To		Great Lakes Gas Transmission Ltd.	
Oklahoma	57,563,484	Canada to	
Oklahoma To		Michigan	30,759,544
Kansas	239,264,022	Minnesota	679,434,524
Kansas To		Minnesota To	
Nebraska	232,858,386	Wisconsin	679,453,133
Nebraska To		Wisconsin To	
Missouri	232,880,315	Michigan	676,885,764
Missouri To		Minnesota	6,000,505
Iowa	230,275,321	Michigan To	
Iowa To		Wisconsin	6,268,109
Illinois	210,515,719	Canada	479,875,534
Illinois To			
Wisconsin	124,564,122	High Island Offshore System	
ANR Production Co.		Texas To	
North Dakota To		Louisiana	374,992,625
Montana	75,678		

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

Columbia Gas Systems, Inc.

Columbia Gas Systems is an integrated energy company whose principle interest is the production, transportation, and sale of natural gas. Other energy interests include petroleum, coal gasification, and cogeneration. Columbia holds interests in 19 other corporations, all associated with gas service. Additionally, the company holds interests in Trailblazer, Overthrust, and Ozark pipelines.

Columbia Gas Systems and its subsidiary Columbia Gas Transmission (CGT) filed separate petitions in bankruptcy July 31, 1991. Both companies have operated as debtors in possession since that time. As debtors

in possession, much of the decision making is subject to bankruptcy court oversight and jurisdiction. Both companies have had to request extensions for the submission of restructuring plans to the court. Complicating the bankruptcy issues is the FERC's issuance of its Order 636.

The Federal Energy Regulatory Commission issued Order 636 and required all pipeline companies to implement it no later than November 1993. The order requires pipeline companies to "unbundle" their services and to price the sales of natural gas separately from the cost of transportation and storage. The

Figure 8. Columbia Gas Systems, Inc., 1992

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

Supply Areas   **—** Columbia Gas Transmission Corp.   **—** Columbia Gulf Transmission Corp.
Service Areas

Table 9. Columbia Gas Systems, Inc., Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Columbia Gas Transmission Corp.					
	Tennessee	Kentucky	West Virginia	Virginia	Maryland	Delaware
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	0	83,080,316	1,723,977	3,919,029	3,732	0
Transported/Exchange Gas	0	568,795,900	167,976,939	272,542	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	1,201,945	0	603,020,657	343,631,770	202,927,721	8,478,676
Storage Withdrawals	0	0	81,143,412	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	1,201,945	651,876,216	853,864,985	347,823,341	202,931,453	8,478,676
DISPOSITION						
Lease and Plant Use	0	0	3,817,461	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	480,219,634	0	0	0	0
Transported/Exchange Gas	0	130,494,050	690,486,162	209,564,587	47,826,500	0
Exchange Gas Deliveries	0	0	0	0	0	0
Storage Injections	0	0	81,130,382	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	1,201,945	6,117,293	7,894,315	29,114,477	33,759,782	1,065,406
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	36,738,419	56,350,874	93,482,215	121,345,171	7,413,270
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	17,285,931	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	0	0	4,247,277	0	0	0
Other Disposition	0	0	0	0	0	0
Unaccounted For	0	-1,693,180	9,938,514	-1,623,869	0	0
Total Disposition	1,201,945	651,876,216	853,864,985	347,823,341	202,931,453	8,478,676

cost associated with converting to the New Order 636 operating environment may be recovered by the companies as transition costs. The recovery of these costs in the case of Columbia Gas and CGT will be determined in accordance with the bankruptcy courts review. The courts have informed Columbia that it will not be able to recover some producer costs as gas realignment costs recoverable under Order 636. It is believed that this will make the company's recovery from bankruptcy even more difficult. Transition costs may be recovered over a 3 to 5 year period but must be justified as gas supply realignment (GSR) costs.

TriStar Ventures, another Columbia Gas subsidiary, and already a participant in two cogeneration projects in New Jersey and New York, has signed on to two more cogeneration projects, one in New York and another in Washington, D.C.

CGT is further involved in the cogeneration area providing firm transportation to the Eagle Point cogeneration facility in New Jersey. A new compressor station is under construction (the Rutledge Compressor Station in Harford County, Maryland) to provide full service to the Eagle Point project. Rutledge will also furnish 59 million cubic feet per day to New England Power in Massachusetts. The Rutledge station is scheduled to begin operation in 1994. Another cogeneration project is slated for the Olean, Cattaraugus County, area of New York. CGT will provide 15.7 million cubic feet per day of firm transportation service to that location. Service is scheduled to begin in December 1993. CGT increased service to the cogeneration project in Binghamton, New York, adding 11.7 million cubic feet per day.

Table 9. Columbia Gas Systems, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Columbia Gas Transmission Corp.				
	North Carolina	Ohio	Pennsylvania	New York	New Jersey
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	8,678,095	46,568,298	0	0
Transported/Exchange Gas	0	144,629,144	19,804,745	6,995,254	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	6,636,866	180,315,175	231,853,037	49,997,663	39,547,574
Storage Withdrawals	0	109,947,345	11,216,670	3,825,373	0
Received from Storage Operators	0	0	1,591,416	0	0
Other Supplies	0	0	0	0	0
Total Supplies	6,636,866	443,569,759	311,034,166	60,818,290	39,547,574
DISPOSITION					
Lease and Plant Use	0	99,209	17,177	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	0	109,020,151	0	0
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	94,605,637	10,044,032	4,875,166	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	1,636,626	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	3,642,768	63,566,909	20,511,322	13,241,825	6,825,970
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	2,994,091	287,908,809	169,077,548	43,636,733	32,721,604
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	0	0	727,310	0	0
Other Disposition	0	0	0	0	0
Unaccounted For	0	-2,610,805	0	-935,434	0
Total Disposition	6,636,866	443,569,759	311,034,166	60,818,290	39,547,574

Columbia Liquefied Natural Gas, owner of the "moth-balled" LNG facility at Cove Point, Maryland, filed a new business plan with the FERC. It calls for the terminal to provide both terminalling services as well as a new peaking service to its customers. The cost to reactivate the facility for these services is \$40 million

for the peaking service and \$55 million if both services are offered. The Columbia LNG terminal has a potential sendout capacity of 1 billion cubic feet of regasified LNG per day; no other LNG terminal in the United States has such capability.

Table 9. Columbia Gas Systems, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Columbia Gulf Transmission Corp.					
	Louisiana	Mississippi	Tennessee	Kentucky	Wyoming	Texas
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	0	0	0	0	0	0
Transported/Exchange Gas	833,883,324	0	0	3,664,746	33,795,561	684,269
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	583,538,974	575,139,189	562,238,729	0	0
Storage Withdrawals	0	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	833,883,324	583,538,974	575,139,189	565,903,475	33,795,561	684,269
DISPOSITION						
Lease and Plant Use	3,965,731	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	583,538,974	575,139,189	562,238,729	0	0	0
Exchange Gas Deliveries	237,086,910	1,470,510	8,520,247	563,263,474	33,513,915	684,269
Storage Injections	0	0	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	22,376	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	7,371,817	5,510,791	3,483,544	2,099,570	53,078	30,613
Other Disposition	0	0	0	0	0	0
Unaccounted For	1,897,516	1,418,484	896,669	540,431	228,568	-30,613
Total Disposition	833,883,324	583,538,974	575,139,189	565,903,475	33,795,561	684,269

Table 9. Columbia Gas Systems, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Ozark Gas Transmission System		Delhi Gas Pipeline Corp.			
	Oklahoma	Arkansas	Texas	Oklahoma	Kansas	Louisiana
SUPPLY						
Produced Onsystem	0	0	20,305	0	0	0
Receipts						
Purchases	0	0	35,080,545	20,410,229	1,185,130	39,663
Transported/Exchange Gas	8,175,401	20,660,385	189,897,644	111,737,260	1,066,196	3,976,850
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	7,942,189	0	0	0	0
Storage Withdrawals	0	0	1,436,427	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	8,175,401	28,602,574	226,434,921	132,147,489	2,231,326	4,016,513
DISPOSITION						
Lease and Plant Use	0	0	122,543	118,295	0	8,112
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	7,942,189	0	0	0	0	0
Exchange Gas Deliveries	0	0	42,747,490	24,690,874	152,606	0
Storage Injections	0	0	1,326,287	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	8,898,342	163,770	0	238,803
To Resellers	0	0	5,551,909	19,830,106	551,990	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	758,856	0	0	0
Industrial	0	0	1,906,397	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	9,393,868	0	496,036	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	30,374	27,986,247	150,223,624	85,176,077	920,604	3,694,954
To Resellers	0	0	438,813	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	113,804	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	121,291	0	0
Pipeline/Compressor Fuel	211,631	638,547	6,064,590	3,030,857	75,609	118,737
Other Disposition	0	0	0	0	1,693	0
Unaccounted For	-8,793	-22,220	-1,111,602	-983,781	32,788	-44,093
Total Disposition	8,175,401	28,602,574	226,434,921	132,147,489	2,231,326	4,016,513

Table 9. Columbia Gas Systems, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Columbia Gas Distribution Companies				Inland Gas Co.	
	Kentucky	Ohio	Pennsylvania	Maryland	Kentucky	West Virginia
SUPPLY						
Produced Onsystem	0	0	0	0	1,355,895	0
Receipts						
Purchases	4,273,188	57,468,780	20,327,577	1,314,933	0	0
Transported/Exchange Gas	31,708,784	271,052,414	92,237,164	6,133,868	3,245,846	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	0	0	0	0	34,900
Storage Withdrawals	0	0	19,247	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	3,903	0	0	0	0	0
Total Supplies	35,985,875	328,521,194	112,583,988	7,448,801	4,601,741	34,900
DISPOSITION						
Lease and Plant Use	0	0	0	0	3,417	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	0	0	0	34,900	0
Exchange Gas Deliveries	691,381	7,027,645	2,686,113	177,485	2,068,009	0
Storage Injections	0	0	17,761	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	2,100,583	26,779,680	10,059,296	527,090	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	137,920	1,781	0	0	0	0
To Consumers						
Residential	11,001,364	124,033,727	37,623,395	2,761,538	58,285	0
Commercial	5,850,509	50,367,305	15,909,588	1,674,443	64,401	0
Industrial	363,900	6,686,244	4,209,784	129,147	15,881	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	4,178	7,656	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	1,430,998	11,012,520	5,818,652	500,746	48,979	0
Industrial	14,115,979	102,995,369	34,062,874	1,384,613	2,351,458	34,900
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	70,203	0	0	0
Pipeline/Compressor Fuel	17,066	170,536	52,217	5,373	0	0
Other Disposition	3,327	11,578	22,997	337	0	0
Unaccounted For	288,670	-572,847	2,051,108	288,029	-43,589	0
Total Disposition	35,985,875	328,521,194	112,583,988	7,448,801	4,601,741	34,900

Table 9. Columbia Gas Systems, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Commonwealth Gas Service, Inc.	Columbia LNG Corp.		Nueces Co.
	Virginia	Maryland	Virginia	Colorado
SUPPLY				
Produced Onsystem	0	0	0	0
Receipts				
Purchases	11,663,318	0	0	47,134
Transported/Exchange Gas	45,211,151	0	7,316,879	1,291,262
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	7,316,879	0	0
Storage Withdrawals	0	0	0	0
Received from Storage Operators	0	0	0	0
Other Supplies	159,005	0	0	0
Total Supplies	57,033,474	7,316,879	7,316,879	1,338,396
DISPOSITION				
Lease and Plant Use	0	0	0	0
Returned to Formations	0	0	0	0
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	0	7,316,879	0
Exchange Gas Deliveries	545,800	0	0	0
Storage Injections	0	0	0	0
Deliveries of Company-owned Gas				
To Storage Operators	1,696,369	0	0	0
To Other Pipelines	0	0	0	0
To Resellers	0	0	0	46,585
To Consumers				
Residential	10,775,723	0	0	0
Commercial	8,016,913	0	0	0
Industrial	3,411,449	0	0	0
Vehicle Fuel	0	0	0	0
Electric Utilities	400	0	0	0
Transported for the Account of Others				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	0	1,301,257
To Resellers	0	7,316,879	0	0
To Consumers				
Residential	0	0	0	0
Commercial	1,550,876	0	0	0
Industrial	21,091,182	0	0	0
Vehicle Fuel	0	0	0	0
Electric Utilities	9,681,138	0	0	0
Pipeline/Compressor Fuel	14,689	0	0	1,573
Other Disposition	4,316	0	0	1,122
Unaccounted For	244,619	0	0	-12,141
Total Disposition	57,033,474	7,316,879	7,316,879	1,338,396

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

Table 10. Columbia Gas Systems, Inc., Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume	Company and State	Volume
Columbia Gas Transmission Corp.		Ozark Gas Transmission System	
Kentucky To		Oklahoma To	
Ohio	6,491,082	Arkansas	7,942,189
Tennessee	1,201,945		
West Virginia	603,020,657	Inland Gas Co.	
West Virginia To		Kentucky To	
Ohio	162,827,855	West Virginia	34,900
Pennsylvania	184,026,537		
Virginia	343,631,770	Columbia LNG Corp.	
Virginia To		Virginia To	
Maryland	202,927,721	Maryland	7,316,879
North Carolina	6,636,866		
Maryland To			
Pennsylvania	47,826,500		
Pennsylvania To			
Delaware	8,478,676		
New Jersey	39,547,574		
New York	49,997,663		
Ohio	10,996,238		
Columbia Gulf Transmission Corp.			
Louisiana To			
Mississippi	583,538,974		
Mississippi To			
Tennessee	575,139,189		
Tennessee To			
Kentucky	562,238,729		

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

Consolidated Edison Co. of New York, Inc.

Consolidated Edison Company of New York (Con Edison) was incorporated in 1884. Since that time Con Edison, a publicly held utility, has provided electric, gas, and steam supply system services throughout most of New York City. Operating revenues in 1992 indicate that, while Con Edison is principally engaged in the generation, transmission, and distribution of electricity (82.4 percent) and operation of a steam supply system (5.3 percent), the distribution of natural gas accounts for 12.3 percent of the company's revenues. Con Edison supplies natural gas to New York City in Manhattan, the Bronx, and parts of Queens, and to Westchester County, it supplies steam in part of Manhattan. The company also provides electric service in all of New

York City (except part of Queens) and most of Westchester County, both of which comprise a 660-square-mile area with a population of more than 8 million. Electric service is provided to most governmental customers within Con Edison's service area from the New York Power Authority through Con Edison's facilities.

The Con Edison natural gas system consists of approximately 4,200 miles of distribution pipeline, 438 miles of plastic mains, and 2,495 miles of service line. During 1992, Con Edison received more than 255 billion cubic feet of gas from seven interstate pipeline companies, three suppliers of Canadian gas, six non-pipeline sup-

Figure 9. Consolidated Edison Co. of New York, Inc., 1992

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

Service Area

pliers, and others. Con Edison delivered more than 236 billion cubic feet of gas for consumption by more than one million customers in New York City in Manhattan, the Bronx, Queens, and in Westchester County. Deliveries to commercial consumers totaled 55.5 billion cubic feet or 23 percent of total consumer deliveries; residential consumers received 51.7 billion cubic feet (22 percent); and the industrial sector deliveries were 11 billion cubic feet (5 percent). Con Edison itself burned more than 118 billion cubic feet of natural gas to generate 37 percent of the electricity used in its service area. The remainder of the electricity generated was produced by nuclear power (23 percent), oil (22 percent), coal (11 percent), hydropower (6 percent), and refuse (1 percent).

Con Edison, along with two neighboring utilities, owns a controlling interest in Honeoye Storage Corporation, of Canandaigua, New York. Formed in 1973, Honeoye is principally engaged in the storage and transmission of natural gas. Con Edison also has a natural gas liquefaction facility and a liquefied gas storage tank at its Astoria property in Queens, New York.

New business opportunities are available in the natural gas industry due to restructuring. Con Edison has applied for approval to form a new unregulated subsidiary for gas marketing as a result of the changes in the industry. The New York Public Service Commission (PSC) early in 1993 agreed to allow Con Edison to spend up to \$4 million to set up a gas-marketing subsidiary, but the commission refused to allow the marketing company to do business in the Con Edison service territory. Con Edison has asked the PSC to reconsider its ban.

There are areas in New York City where Con Edison (as the electric utility) and Brooklyn Union (as the gas utility) service territories overlap. In 1992, Con Edison and Brooklyn Union began marketing gas air-conditioning together. These two companies also worked together to provide Governors Island in New York with natural gas and thereby convert all of the U.S. Coast Guard buildings (116) to gas from oil. Brooklyn Union installed an underwater pipeline and Con Edison built the distribution system.

A partnership of Con Edison and several other companies is requesting regulatory approvals to build the Liberty Pipeline to transport natural gas across the lower New York Bay from New Jersey to Kennedy International Airport. The Liberty is a 47-mile pipeline built, owned, and operated by this partnership. This project is scheduled for completion in the mid-1990's.

In 1991, Con Edison completed the second phase of a multiyear project aimed at reinforcing the gas main system in northern Westchester County. The 1992 segment of the project involved installing 2 miles of 12-inch-diameter plastic high-pressure gas main.

Con Edison is actively encouraging owners of vehicle fleets to switch to compressed natural gas as a fuel. The company itself has 130 vehicles fueled by natural gas and plans to increase this number in coming years. In a demonstration project with New York City and a taxicab fleet owner, Con Edison has converted six taxis to be fueled by compressed natural gas. In 1992, the company opened two additional fueling stations for natural gas vehicles for its own fleet, those fleets operated by New York City, and some privately owned fleets.

**Table 11. Consolidated Edison Co. of New York, Inc.,
Natural Gas Data, 1992
(Thousand Cubic Feet)**

Supply/Disposition	Consolidated Edison Co. of New York, Inc.	
	New York	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	25,581,016	
Transported/Exchange Gas	213,841,226	
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals	164,774	
Received from Storage Operators	15,972,296	
Other Supplies		0
Total Supplies	255,559,312	
DISPOSITION		
Lease and Plant Use		0
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries		0
Storage Injections	250,030	
Deliveries of Company-owned Gas		
To Storage Operators	15,139,995	
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	51,716,500	
Commercial	55,493,208	
Industrial	5,572,183	
Vehicle Fuel		0
Electric Utilities	98,495,791	
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential		0
Commercial		0
Industrial	5,382,789	
Vehicle Fuel		0
Electric Utilities	19,785,213	
Pipeline/Compressor Fuel	44,332	
Other Disposition		0
Unaccounted For	3,679,271	
Total Disposition	255,559,312	

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

Consolidated Natural Gas Co.

Consolidated Natural Gas (CNG), founded in 1942, consists of 15 subsidiaries that make up the Consolidated system. CNG explores for, produces, and purchases natural gas throughout the United States. The company operates one of the Nation's largest natural gas systems as well as one of the country's largest network of underground gas storage fields. It sells and transports gas to markets in the Midwest, Mid-Atlantic, and Northeast, serving both utilities and consumers, including other operations such as gas byproducts and petroleum production.

Consolidated owns six local utilities--The East Ohio Gas Company, The Peoples Natural Gas Company,

Virginia Natural Gas Inc., Hope Gas Inc., West Ohio Gas Company, and The River Gas Company. Collectively these utilities deliver natural gas to homes, businesses and factories, serving more than 1.7 million customers in Ohio, Pennsylvania, West Virginia, and Virginia. During the 1980's, Consolidated added more than 20 major utilities on the East Coast extending from Virginia to Ohio, Pennsylvania, and upstate New York, and added two large Canadian import projects to its service network as well.

CNG completed one of its largest single projects, the Lebanon-to-Leidy pipeline, in 1993. This stretch of pipeline will transport natural gas from a Midwest sup-

Figure 10. Consolidated Natural Gas Co., 1992

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

Service Areas

— CNG Transmission Corp.

Table 12. Consolidated Natural Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	CNG Transmission Corp.				
	Louisiana	Pennsylvania	Maryland	Virginia	West Virginia
SUPPLY					
Produced Onsystem	0	2,858,857	0	0	10,856,498
Receipts					
Purchases	18,505,785	37,171,850	0	371,683	13,216,505
Transported/Exchange Gas	16,172,456	505,178,890	0	1,019,453	174,256,829
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	146,190,968	40,733,605	23,314,897	371,683
Storage Withdrawals	0	279,989,219	0	0	42,588,795
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	34,678,241	971,389,784	40,733,605	24,706,033	241,290,310
DISPOSITION					
Lease and Plant Use	0	0	0	0	7,942,532
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	240,693,297	23,314,897	371,683	136,665,106
Exchange Gas Deliveries	151,280	1,708,071	0	0	2,095,249
Storage Injections	0	285,346,329	0	0	37,784,144
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	14,628,232	1,539,154	1,941,172	11,803,681
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	33,824,334	404,917,083	0	0	13,191,759
To Resellers	0	28,097,121	15,863,354	22,362,183	15,422,932
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	29,722
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	3,414,858	7,690,804	3,296	30,995	12,100,494
Other Disposition	0	362,783	12,904	0	4,254,691
Unaccounted For	-2,712,231	-12,053,936	0	0	0
Total Disposition	34,678,241	971,389,784	40,733,605	24,706,033	241,290,310

ply hub at Lebanon, Ohio, just north of Cincinnati, to the Leidy underground storage field in north-central Pennsylvania. Lebanon- Leidy will carry an additional 370 million cubic feet of natural gas to Consolidated's main west-to-east pipeline.

In August 1992, Consolidated put into service the final segment of the 135-mile natural gas pipeline in Virginia that links directly to the interstate pipeline network. This project, the largest natural gas project in Virginia in 30 years, runs from suburban Washington, D.C., to the Norfolk, Virginia, area. This service added 8,500 new customers to the CNG customer base and eight Virginia counties where natural gas has historically been unavailable.

In 1992, CNG also completed construction work on the second phase of the new North Summit underground storage field raising the total deliverability to

13 billion cubic feet. Eventually this field near Pittsburgh will have a capacity of 21.5 billion cubic feet. It will primarily serve east coast markets. CNG operates 27 underground storage facilities with a capacity of almost 900 billion cubic feet.

Consolidated, is engaged in a number of innovative projects that will expand the use of natural gas. In 1992, Consolidated provided approximately 1.7 billion cubic feet of natural gas to 11 customers with cofiring capability. Cofiring is a method pioneered to cut the pollutants by burning a small amount of natural gas in a coal-fired boiler. Reburn is a more advanced version of cofiring being tested at an electric utility in Niles, Ohio.

Natural gas is the fuel of choice for many cogenerators, who produce electricity, and at the same time, capture the heat that is ordinarily lost in conventional power

Table 12. Consolidated Natural Gas Co. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	CNG Transmission Corp.		East Ohio Gas Co.	Peoples Natural Gas Co.
	Ohio	New York	Ohio	Pennsylvania
SUPPLY				
Produced Onsystem	0	192,834	907,000	4,258,702
Receipts				
Purchases	0	14,914	201,503,967	23,711,161
Transported/Exchange Gas	129,201,149	74,321,851	83,551,235	56,405,188
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	43,092,076	199,959,692	0	0
Storage Withdrawals	0	13,273,658	65,137,097	14,773,810
Received from Storage Operators	0	0	0	0
Other Supplies	0	0	0	0
Total Supplies	172,293,225	287,762,949	351,099,299	99,148,861
DISPOSITION				
Lease and Plant Use	0	0	11,839	494,265
Returned to Formations	0	0	0	0
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	52,617,938	0	0	0
Exchange Gas Deliveries	0	238,059	66,531	1,145,263
Storage Injections	0	14,645,607	64,499,684	15,856,166
Deliveries of Company-owned Gas				
To Storage Operators	0	0	0	0
To Other Pipelines	15,231	0	0	0
To Resellers	17,615,070	9,111,286	0	1,603
To Consumers				
Residential	0	0	137,800,627	41,514,375
Commercial	0	0	45,924,181	8,233,478
Industrial	0	0	10,281,739	226,030
Vehicle Fuel	0	0	58,882	460
Electric Utilities	0	0	0	0
Transported for the Account of Others				
To Storage Operators	0	0	0	0
To Other Pipelines	23,515,923	0	6,841,451	0
To Resellers	77,913,367	263,025,201	0	0
To Consumers				
Residential	0	0	0	1,401,654
Commercial	0	0	7,541,428	6,977,999
Industrial	0	0	69,111,262	21,731,102
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	0	208,612
Pipeline/Compressor Fuel	615,696	742,796	2,364,175	1,006,966
Other Disposition	0	0	0	0
Unaccounted For	0	0	6,597,500	350,888
Total Disposition	172,293,225	287,762,949	351,099,299	99,148,861

generators. The recaptured heat is then used to produce steam for industrial use or hot water for space heating. In 1992, Consolidated broke ground for a natural gas field cogeneration plant in Lakewood, New Jersey, expected to be completed in 1994. This plant will provide electricity to Jersey Central Power and Light Company, and steam to businesses in the nearby municipal industrial park. Consolidated owns interests in five other cogeneration projects and supplies and transports more than 60 billion cubic feet of natural gas a year to 21 cogeneration facilities in the Eastern and Midwestern United States.

Consolidated is currently working with the Department of Energy on two projects. One project converts methane emitted by landfills into liquefied natural gas

used as fuel by the same garbage trucks that use the landfills. Another project extracts pure sulfur from "sour" natural gas. Consolidated also has a joint venture with U.S. Air, Duquesne Light Company, and Allegheny County, Pennsylvania, to demonstrate fuel cells technology at the Pittsburgh International Airport.

Consolidated is also entering the natural gas vehicle market. One of its utilities, Hope Gas, opened a refueling station in Vienna, West Virginia, the first in CNG's market area. Other areas of interest include injecting natural gas into blast furnaces, the gas cooling market, and fume incineration for industrial customers. The gas heat pump, a new technology being tested in the market by CNG, should be available in 1994.

Table 12. Consolidated Natural Gas Co. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Virginia Natural Gas, Inc.	Hope Gas, Inc.	West Ohio Gas Co.	River Gas Co.
	Virginia	West Virginia	Ohio	
SUPPLY				
Produced Onsystem	0	975,211	0	2,911
Receipts				
Purchases	24,340,228	14,361,636	9,712,212	2,452,645
Transported/Exchange Gas	15,618,101	15,991,767	4,683,506	3,885,768
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	0	0	0
Storage Withdrawals	0	0	0	0
Received from Storage Operators	0	1,396,934	1,750,112	809,908
Other Supplies	65,408	0	0	0
Total Supplies	40,023,737	32,725,548	16,145,830	7,151,232
DISPOSITION				
Lease and Plant Use	0	0	0	19
Returned to Formations	0	0	0	0
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	0	0	0
Exchange Gas Deliveries	0	0	0	0
Storage Injections	0	0	0	0
Deliveries of Company-owned Gas				
To Storage Operators	0	1,265,533	0	711,578
To Other Pipelines	0	0	0	0
To Resellers	0	363,708	0	0
To Consumers				
Residential	11,266,136	10,501,557	5,611,817	1,634,670
Commercial	10,398,010	3,393,329	3,202,349	644,058
Industrial	2,108,005	316,498	316,421	88,157
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	0	0
Transported for the Account of Others				
To Storage Operators	0	0	1,748,803	0
To Other Pipelines	0	0	0	1,840,178
To Resellers	0	0	0	0
To Consumers				
Residential	0	0	0	80,614
Commercial	1,818,592	1,155,816	501,004	1,964,976
Industrial	11,325,319	13,208,109	4,182,502	0
Vehicle Fuel	0	0	0	0
Electric Utilities	1,987,561	0	0	0
Pipeline/Compressor Fuel	17,390	16,431	0	11,519
Other Disposition	0	261,291	0	0
Unaccounted For	1,102,724	2,243,276	582,934	175,463
Total Disposition	40,023,737	32,725,548	16,145,830	7,151,232

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

**Table 13. Consolidated Natural Gas Co.
Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)**

Company and State	Volume
CNG Transmission Corp.	
Pennsylvania To	
Maryland	40,733,605
New York	199,959,692
Maryland To	
Virginia	23,314,897
Virginia To	
West Virginia	371,683
West Virginia To	
Ohio	43,082,076
Pennsylvania	93,573,030
Ohio To	
Pennsylvania	52,617,938

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

Consumers Power Co.

CMS Energy Corporation was incorporated in Michigan in 1987 to become the parent holding company of Consumers Power Company (Consumers) and its subsidiaries. In February 1987, CMS Enterprises was formed to conduct CMS Energy's nonutility energy-related business. Consumers and Enterprises represent CMS Energy's two principal subsidiaries. In addition, CMS Enterprises has five other direct subsidiaries.

Consumers Power Company is a combination Gas and Electric Utility. Through its natural gas utility operations, Consumers Power Company purchases, produces, transports, stores, and distributes gas and supplies gas service in 40 of the 68 counties in Michigan's

lower peninsula. Through its electric utility operations, Consumers generates, purchases, and distributes electricity in 40 of the 68 counties in the Lower Michigan Peninsula.

The company's gas distribution and transmission systems consist of approximately 20,000 miles of distribution mains and 1,100 miles of transmission lines throughout the Lower Peninsula of Michigan. The company owns and operates five compressor stations with a total of 116,070 installed horsepower.

In 1992, Consumers purchased approximately 77 percent of its required gas supply of 505 billion cubic feet

Figure 11. Consumers Power Co., 1992

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

Service Area

— Consumers Power Co.

Table 14. Consumers Power Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Consumers Power Co.	Michigan Gas Storage Co.
	Michigan	
SUPPLY		
Produced Onsystem	35,901	0
Receipts		
Purchases	44,815,029	0
Transported/Exchange Gas	192,336,105	300,499,179
Interstate Movements		
Company-owned Gas	88,591,898	0
Transported/Exchange Gas	59,487,157	0
Storage Withdrawals	90,003,710	29,821,477
Received from Storage Operators	30,152,909	0
Other Supplies	0	0
Total Supplies	505,422,709	330,320,656
DISPOSITION		
Lease and Plant Use	1,571	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Exchange Gas Deliveries	0	0
Storage Injections	83,994,413	30,401,559
Deliveries of Company-owned Gas		
To Storage Operators	29,572,827	0
To Other Pipelines	0	0
To Resellers	0	683,038
To Consumers		
Residential	165,842,812	0
Commercial	53,173,605	0
Industrial	13,392,989	0
Vehicle Fuel	0	0
Electric Utilities	170,292	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	6,634,600	297,833,981
To Resellers	21,711,343	0
To Consumers		
Residential	2,147,605	0
Commercial	14,586,855	0
Industrial	113,185,528	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Pipeline/Compressor Fuel	1,581,010	1,229,909
Other Disposition	0	0
Unaccounted For	-572,741	172,169
Total Disposition	505,422,709	330,320,656

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

from producers under long-term contracts. Approximately 20 percent came from Michigan producers. Purchases on the spot market provided the remaining 23 percent of Consumers 1992 gas supply. Panhandle Eastern Pipeline Company and Trunkline Gas Company delivered most of the gas acquired through purchase, transportation, and exchange agreements. The company's remaining natural gas supply comes from Michigan Gas Storage Company Incorporated (MGS), a wholly owned subsidiary of Consumers. MGS purchases, stores, transmits, and sells natural gas to Consumers Power Company, providing about 25 percent of its needs.

MGS owns 693 miles of gas pipelines of which 545 miles are transmission lines and 148 miles are storage lines, and two compressor stations. The company has three gas storage fields located in Clare, Osceola, and Missaukee Counties. Total capacity of the storage fields is approximately 117 billion cubic feet, of which approximately 46 billion cubic feet is working storage.

Consumers' deliveries to consumers in 1992 totaled more than 362 billion cubic feet, 42 percent of total deliveries to all consumers in Michigan. Of Consumers' total deliveries to consumers, 130 billion cubic feet, or nearly 36 percent, were transported and delivered for the account of others.

El Paso Natural Gas Co.

El Paso Natural Gas Company owns and operates one of the Nation's largest field and mainline natural gas transmission systems, connecting natural gas supply regions in New Mexico, Texas, Oklahoma and Colorado to markets in California, Nevada, Arizona, New Mexico and Texas. During the past year, the company has made major changes. Previously a wholly owned subsidiary of Burlington Resources, Inc., El Paso has again become an independent, publicly owned company. Two capacity additions account for the largest single system expansion in its history: a 835-million-cubic-feet per day expansion in capacity from the San Juan Basin in New Mexico, and a 400-million-cubic-feet

per day expansion of its North Mainline System to California.

In November 1992, El Paso formed El Paso Gas Marketing Company (EPGM), a wholly owned subsidiary. All new marketing business will be conducted by EPGM, which will act as El Paso's agent, to reduce El Paso's role as a natural gas merchant. With operations for EPGM in progress, it will buy and sell natural gas with a primary concentration on Southwestern U.S. supplies and markets. It expects to buy and sell natural gas under both short-term and long-term transactions.

Figure 12. El Paso Natural Gas Co., 1992

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

Supply Areas

— El Paso Natural Gas Co.

Table 15. El Paso Natural Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	El Paso Natural Gas Co.				
	New Mexico	Texas	Oklahoma	Arizona	Colorado
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	26,616,563	13,899,893	946,612	0	8,989,254
Transported/Exchange Gas	803,574,611	412,885,901	36,636,983	191,834	149,586,926
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	354,043,865	17,993,039	0	1,101,168,961	0
Storage Withdrawals	16,275,992	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	1,200,511,031	444,778,833	37,583,595	1,101,360,795	158,576,180
DISPOSITION					
Lease and Plant Use	10,111,517	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	1,101,168,961	196,524,314	17,993,039	918,506,616	157,519,551
Exchange Gas Deliveries	1,531,909	18,501,109	8,352,841	0	0
Storage Injections	15,288,766	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	193,056	176,276,464	10,698,893	0	122,776
To Resellers	20,285,069	35,838,079	1,263	61,948,380	85,922
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	4,748,690	3,266,487	0	7,820,060	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	6,302,308	212,846	0	38,036,867	0
Pipeline/Compressor Fuel	40,880,755	16,159,534	537,559	21,317,490	847,931
Other Disposition	0	0	0	0	0
Unaccounted For	0	-2,000,000	0	53,731,382	0
Total Disposition	1,200,511,031	444,778,833	37,583,595	1,101,360,795	158,576,180

Also, in March 1993 El Paso and Enron Corp., signed an agreement under which El Paso acquired Enron's 50 percent interest in Mojave Pipeline Company. Mojave operates a 361-mile interstate pipeline from Topock, Arizona to Kern County, California, with a 400 million cubic feet per day capacity. The Mojave Pipeline project was completed in April 1992 and runs from the Arizona/California border to Bakersfield, California, where it provides natural gas for use in the heavy oil fields.

El Paso is directly connected to three of the Nation's most prolific gas-producing areas: the San Juan, Permian, and Anadarko Basins. Currently, El Paso provides 53 percent of California's total interstate pipeline capacity with a transmission capacity of approximately 3.3 billion cubic feet per day to the California border. In 1992, El Paso again provided approximately 50 percent of all the natural gas consumed in California.

Deliveries to its east-of-California markets are about 1.2 billion cubic feet per day which includes deliveries in northern Mexico to the cities of Ciudad Juarez, Cananea and Hermosillo, and the Samalayuca Power Plant just outside of Ciudad Juarez.

The earlier jurisdictional disputes raised by Pacific Gas and Electric Co. and the California Public Utilities Commission (CPUC) suggesting that Mojave's proposed 475 million cubic feet expansion project be regulated by the CPUC instead of the Federal Energy Regulatory Commission (FERC) have been settled. The FERC will regulate the company's northward extension as an interstate pipeline.

The Sacramento Municipal Utility District Board of Directors unanimously approved a long-term natural gas transportation agreement with Mojave for 55 million cubic feet per day, about 12 percent of Mojave's

Table 15. El Paso Natural Gas Co. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Mojave Pipeline Co.	
	California	Arizona
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	0	0
Transported/Exchange Gas	0	60,583,073
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	60,129,168	0
Storage Withdrawals	0	0
Received from Storage Operators	0	0
Other Supplies	0	0
Total Supplies	60,129,168	60,583,073
DISPOSITION		
Lease and Plant Use	0	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	60,129,168
Exchange Gas Deliveries	0	0
Storage Injections	0	0
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	0	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	1,686,471	0
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	58,442,697	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Pipeline/Compressor Fuel	0	453,905
Other Disposition	0	0
Unaccounted For	0	0
Total Disposition	60,129,168	60,583,073

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

planned capacity, to anchor its proposed northward expansion project. With a planned capacity of 475 million cubic feet per day, it will serve manufacturing, cogeneration, industrial and municipal utility customers in northern and central California. This expansion would extend a 214-mile, 30-inch pipeline northward from near Bakersfield, then branch into a 59-mile, 12-inch pipeline north to Sacramento and a 20-inch pipeline to the west, with smaller diameter lines to serve the East Bay, South Bay and Palo Alto areas.

To enhance gas service to Mexico, El Paso is seeking authorization to construct and operate a \$57 million, 36-mile, 24-inch diameter pipeline expansion. This ex-

pansion, the Samalayuca Lateral Expansion Project, will principally serve the existing Samalayuca Power Plant, located approximately 30 miles south of Ciudad Juarez, Mexico. It will connect gas resources in New Mexico and west Texas with the Pemex pipeline system, and greatly benefit Ciudad Juarez and the state of Chihuahua, Mexico. (Pemex, Petroleos Mexicanos, is the state-controlled oil and gas company in Mexico.) The Samalayuca Lateral Expansion Project will provide up to 300 thousand cubic feet per day of firm and interruptible transportation to Mexico, with about 175 million cubic feet per day serving the Samalayuca Power Plants. If approved, El Paso expects the pipeline to become operational in late 1995.

**Table 16. El Paso Natural Gas Co. Interstate
Flows of Natural Gas, 1992
(Thousand Cubic Feet)**

Company and State	Volume
El Paso Natural Gas Co.	
Oklahoma To	
Texas	17,993,039
Texas To	
New Mexico	196,524,314
New Mexico To	
Arizona	1,101,168,961
Arizona To	
California	881,565,717
Nevada	34,375,819
Mexico	2,565,080
Colorado To	
New Mexico	157,519,551
Mojave	
Arizona To	
California	60,129,168

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

Enron Corp.

Enron Corporation operates a pipeline network of over 40,000 miles that handles natural gas transported through one intrastate (Houston Pipe Line) and four interstate pipelines. Florida Gas Transmission, Northern Border Pipeline, Northern Natural Gas, and Transwestern Pipeline make up the Enron interstate system.

Northern Natural Gas, the largest of Enron's five pipeline systems, delivers to local distribution companies serving the residential and commercial markets in the upper Midwest. Northern Natural Gas' 3,200-mile pipeline system extends from Enron's producing areas in

Texas and Oklahoma to Iowa, Minnesota, and Nebraska. In its major residential areas, Northern Natural Gas transports gas for the account of others that ultimately serves more than 6 million residential consumers in Iowa and Minnesota. Other core customers include large and small commercial customers and industrial customers. Transportation accounts for 90 percent of volumes delivered, with regulated sales making up the other 10 percent. A modernization plan, which includes the replacement of dated compressor facilities with more efficient equipment, is now being implemented by Northern Natural Gas. It is estimated that the entire project will be completed by 1997.

Figure 13. Enron Corp., 1992

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

Supply Areas

— Florida Gas Transmission Co.
 - - Houston Pipe Line Co.
 ..... Northern Natural Gas Co.

— Northern Border Pipeline Co.
 - - Transwestern Pipeline Co.

Table 17. Enron Corp. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Florida Gas Transmission Co.					Houston Pipe Line Inc.
	Texas	Louisiana	Mississippi	Alabama	Florida	Texas
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	9,982,890	33,834,827	1,935,146	196,426	279,379	4,081,170
Transported/Exchange Gas	79,342,347	199,502,296	17,815,432	7,787,935	4,233,940	865,493,904
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	75,654,683	267,679,039	285,494,330	292,878,833	0
Storage Withdrawals	0	0	0	0	0	35,945,126
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	89,325,237	308,991,806	287,429,617	293,478,691	297,392,152	905,520,200
DISPOSITION						
Lease and Plant Use	0	0	0	0	276,041	93,283
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	75,654,683	267,679,039	285,494,330	292,878,833	0	0
Exchange Gas Deliveries	0	0	0	0	0	358,450,663
Storage Injections	0	0	0	0	0	25,791,889
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	46,150	0	0	0	28,636,787	32,502,847
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	45,153	9,332	0	0	5,519,402	324,155
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	9,329,908	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	13,569,781	41,386,285	1,533,156	23,939	0	201,628,498
To Resellers	0	0	0	0	73,470,626	39,362,338
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	539,105
Industrial	0	0	0	0	6,716,117	213,976,539
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	169,213,452	43,606,022
Pipeline/Compressor Fuel	713,391	1,755,947	557,774	638,839	4,265,386	503,868
Other Disposition	0	0	0	0	0	0
Unaccounted For	-703,921	-1,838,797	-155,643	-62,920	-35,567	-11,259,007
Total Disposition	89,325,237	308,991,806	287,429,617	293,478,691	297,392,152	905,520,200

The Transwestern Pipeline system consists of nearly 4,500 miles of pipeline extending from western Texas to the California border. Transwestern moves gas through its system from producing areas in Texas and northwestern Oklahoma westward for almost exclusive delivery to Southern California Gas Company. The company makes some deliveries to resellers and small customers, but is primarily a transporter of gas to the California market. The recently completed 'Topock Interconnect' between Transwestern's mainline and Mojave Pipeline Co. makes an additional 525 million cubic feet per day of natural gas available to the growing California market. The completed 520 million cubic feet per day extension into the San Juan Basin went into service in February 1992. Transwestern is developing a posture for increased growth potential in areas such as Baja California (west end of the system) and markets in Texas and the Mid-

west (east end of the system). Some of these markets are at present noncore markets or under utilized.

Enron Corporation owns 35 percent of Northern Border Pipeline and operates the company through its Northern Plains Natural Gas subsidiary. Northern Border transports gas from a point on the Montana/Canadian border southeastward to markets in Iowa. Acquisition of a 147-mile pipeline in Iowa, and construction of four new compressor stations along the 822-mile pipeline, provided an additional 313 million cubic feet per day of capacity beginning in November of 1992.

Florida Gas Transmission Company, the sole supplier of natural gas to the Florida Peninsula, is owned by Citrus Corporation which is a 50/50 joint venture between Enron and Southern Natural Gas Company, op-

Table 17. Enron Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Enron Industrial Natural Gas Co.	Northern Natural Gas Co.				
	Texas	Louisiana	New Mexico	Texas	Oklahoma	Wyoming
SUPPLY						
Produced Onsystem	0	0	9,836	25,230	23,865	0
Receipts						
Purchases	0	4,047,365	5,541,099	40,445,323	6,217,860	16,134,567
Transported/Exchange Gas	169,203,779	21,356,036	46,300,617	324,058,917	149,450,786	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	0	0	90,180,269	123,183,710	0
Storage Withdrawals	0	0	0	0	0	0
Received from Storage Operators	10,572,732	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	179,776,511	25,403,401	51,851,552	454,709,739	278,876,221	16,134,567
DISPOSITION						
Lease and Plant Use	0	0	3,705,041	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	0	41,035,818	123,183,710	236,536,714	0
Exchange Gas Deliveries	0	0	0	0	0	0
Storage Injections	0	0	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	11,535,781	0	0	0	0	0
To Other Pipelines	9,440,505	0	0	0	0	961,955
To Resellers	3,242,666	0	415,863	76,528,491	11,423,071	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	91,661,712	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	63,895,844	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	25,968,758	3,513,908	246,214,314	24,872,403	14,138,376
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	0	0	2,631,123	4,728,552	4,242,678	17,353
Other Disposition	0	0	0	0	0	0
Unaccounted For	3	-565,357	549,799	4,054,672	1,801,355	1,016,883
Total Disposition	179,776,511	25,403,401	51,851,552	454,709,739	278,876,221	16,134,567

erated by Enron. Gas supplies are purchased or are received for transportation in Texas and Louisiana for delivery to resellers and consumers in Florida. The largest volumes of deliveries, split almost evenly between sales and transportation, were to electric utilities. Direct deliveries to industrial and electric utility consumers accounted for two-thirds of the gas handled in Florida.

Florida's rapid population growth has increased demand for gas supplies, spurring interest in increasing capacity. Preliminary approval, pending decisions on environmental issues, has been granted for a 760-mile expansion project which could increase capacity by 550 million cubic feet per day by 1995. The expansion is aimed at meeting a growing demand for natural gas in Florida, particularly for electric generation.

Houston Pipe Line, the country's largest intrastate system, serves as a hub for the Enron natural gas transmission network. Serving the Texas intrastate market Houston Pipe Line transports gas between the State's producing areas, the Bammel underground storage field, industrial and electric utility consumers, and other pipelines.

Enron Corporation, through its Enron Gas Services Division, is the largest nonprice regulated merchant in North America. This division was formed to compete for the merchant function being relinquished by the pipeline industry. Enron Gas Services offers marketing services that allow customers to choose from a variety of gas supply and marketing options tailored to specific needs.

Table 17. Enron Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Northern Natural Gas Co.					
	Colorado	Kansas	Nebraska	Iowa	Montana	South Dakota
SUPPLY						
Produced Onsystem	0	43	0	0	0	0
Receipts						
Purchases	1,262,279	4,988,888	0	91,123,215	18,025,968	0
Transported/Exchange Gas	0	141,062,607	23,001,996	216,669,026	0	7,639,751
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	187,392,263	298,611,130	264,908,976	0	10,678,509
Storage Withdrawals	0	38,374,527	0	32,965,533	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	1,262,279	371,818,328	321,613,126	605,666,750	18,025,968	18,318,260
DISPOSITION						
Lease and Plant Use	0	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	298,611,130	270,005,955	362,570,059	14,554,398	651,148
Exchange Gas Deliveries	0	0	0	0	0	0
Storage Injections	0	35,829,744	0	29,899,055	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	82,868	0	0	0	0	0
To Resellers	0	10,111,325	8,176,786	40,131,777	4,000	1,956,467
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	1,078,378	16,685,042	40,975,249	167,714,378	3,420,870	15,591,824
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	0	7,779,258	1,461,630	1,954,513	463,368	12,207
Other Disposition	0	0	0	0	0	0
Unaccounted For	101,033	2,801,829	993,506	3,396,968	-416,668	106,614
Total Disposition	1,262,279	371,818,328	321,613,126	605,666,750	18,025,968	18,318,260

Enron Oil and Gas Company of the Exploration and Production Division of Enron is a leading independent producer of natural gas. Enron holds an 80-percent interest in this company. Enron Oil and Gas increased wellhead production in 1992 primarily due to tight gas sand activity. Production from tight gas sand qualified wells averaged approximately 210 million cubic feet per day during the year.

Other divisions of Enron are Enron Power and Enron International. The Enron Power unit has responsibility

for the management and operations of five power units in the U.S. with a total electric generating capacity of approximately 1,500 megawatts, as well as power development and integrated natural gas projects in the Americas, the Near East and the Pacific Rim. The Enron International unit has similar responsibilities for development and operations in Europe, the Middle East and the former Soviet Union, and for the operation of the Teeside Power Project and related facilities in the United Kingdom.

Table 17. Enron Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Northern Natural Gas Co.				Northern Border Pipeline Co.	
	Minnesota	Wisconsin	Michigan	Illinois	Montana	North Dakota
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	26,046,744	0	0	0	0	0
Transported/Exchange Gas	55,420,706	0	0	0	0	70,364,785
Interstate Movements						
Company-owned Gas	24,786,876	0	0	0	0	0
Transported/Exchange Gas	195,620,968	126,495,389	22,091,273	166,840,600	446,560,523	446,825,776
Storage Withdrawals	2,705,541	0	0	0	0	0
Received from Storage Operators	3,776,258	0	0	0	0	0
Other Supplies	0	0	0	0	5,560	8,536
Total Supplies	308,357,093	126,495,389	22,091,273	166,840,600	446,566,083	517,199,097
DISPOSITION						
Lease and Plant Use	0	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	47,142,630	22,091,273	0	84,174,650	446,825,776	514,901,129
Exchange Gas Deliveries	0	0	0	0	0	0
Storage Injections	2,880,181	0	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	3,107,790	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	18,372,482	4,075,046	1,116,793	5,112,706	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	237,051,383	97,372,752	21,020,497	77,328,014	0	0
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	645,810	0	0	242,213	191,999	2,340,408
Other Disposition	0	0	0	0	0	0
Unaccounted For	2,264,607	-151,472	-46,017	-16,983	-451,692	-42,440
Total Disposition	308,357,093	126,495,389	22,091,273	166,840,600	446,566,083	517,199,097

Table 17. Enron Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Northern Border Pipeline Co.			Transwestern Pipeline Co.		
	South Dakota	Minnesota	Iowa	Oklahoma	Texas	New Mexico
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	0	0	0	1,710,524	1,937,945	7,061,886
Transported/Exchange Gas	0	0	0	21,118,118	117,863,955	172,242,893
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	514,901,129	505,007,481	457,006,481	0	8,295,755	78,637,038
Storage Withdrawals	0	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	5,606	4,007	2,291	0	0	0
Total Supplies	514,906,735	505,011,488	457,008,772	22,828,642	128,097,655	257,941,817
DISPOSITION						
Lease and Plant Use	0	0	0	0	5,612	1,045
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	505,007,481	457,006,481	0	8,295,755	78,637,038	143,053,862
Exchange Gas Deliveries	0	0	0	0	0	0
Storage Injections	0	0	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	0	0	0	11,231,424	143,072
To Consumers						
Residential	0	0	0	0	0	15
Commercial	0	0	0	0	90,017	56,445
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	8,279,642	47,717,242	457,019,479	0	0	0
To Resellers	0	0	0	14,300,768	34,870,858	110,715,588
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	11,321	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	1,647,483	307,686	682	220,798	3,262,706	3,971,790
Other Disposition	0	0	0	0	0	0
Unaccounted For	-27,871	-19,921	-11,389	0	0	0
Total Disposition	514,906,735	505,011,488	457,008,772	22,828,642	128,097,655	257,941,817

Table 17. Enron Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Transwestern Pipeline Co.	Black Marlin Pipeline Co.		Intratex Gas Co.
	Arizona	Texas	Oklahoma	Texas
SUPPLY				
Produced Onsystem	0	2,215	0	0
Receipts				
Purchases	0	0	0	1,697,618
Transported/Exchange Gas	0	29,146,364	51,775,302	298,018,368
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	143,053,862	51,775,302	0	0
Storage Withdrawals	0	0	0	0
Received from Storage Operators	0	0	0	0
Other Supplies	0	0	0	0
Total Supplies	143,053,862	80,923,881	51,775,302	299,715,986
DISPOSITION				
Lease and Plant Use	0	0	0	1,172,593
Returned to Formations	0	0	0	0
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	141,425,936	0	51,775,302	0
Exchange Gas Deliveries	0	0	0	0
Storage Injections	0	0	0	0
Deliveries of Company-owned Gas				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	0	0
To Resellers	23,724	0	0	1,028,450
To Consumers				
Residential	0	0	0	0
Commercial	0	0	0	0
Industrial	0	0	0	0
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	0	0
Transported for the Account of Others				
To Storage Operators	0	0	0	0
To Other Pipelines	0	80,921,666	0	273,870,876
To Resellers	0	0	0	0
To Consumers				
Residential	0	0	0	0
Commercial	0	0	0	0
Industrial	0	0	0	2,574,306
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	0	18,371,014
Pipeline/Compressor Fuel	1,604,202	0	0	1,760,237
Other Disposition	0	0	0	0
Unaccounted For	0	2,215	0	938,510
Total Disposition	143,053,862	80,923,881	51,775,302	299,715,986

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

Table 18. Enron Corp. Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume	Company and State	Volume
Florida Gas Trans Co.		Northern Border Pipeline Co.	
Texas To		Canada To	
Louisiana	75,654,683	Montana	446,560,523
Louisiana To		Montana To	
Mississippi	267,679,039	North Dakota	446,825,776
Mississippi To		North Dakota To	
Alabama	285,494,330	South Dakota	514,901,129
Alabama To		South Dakota To	
Florida	292,678,833	Minnesota	505,007,481
		Minnesota To	
		Iowa	457,006,481
Northern Natural Gas Co.			
Canada To		Transwestern Pipeline Co.	
Minnesota	24,786,876	Oklahoma To	
Minnesota To		Texas	8,295,755
Iowa	4,821,891	Texas To	
Wisconsin	42,320,739	New Mexico	78,637,038
Wisconsin To		New Mexico To	
Michigan	22,091,273	Arizona	143,053,862
Iowa To		Arizona To	
Illinois	166,840,600	California	141,425,936
Minnesota	195,238,720		
South Dakota	490,739	Black Marlin Pipeline Co.	
Illinois To		Oklahoma To	
Wisconsin	84,174,650	Texas	51,775,302
South Dakota To			
Iowa	268,900		
Minnesota	382,248		
Oklahoma To			
Kansas	187,392,263		
Texas	49,144,451		
Kansas To			
Nebraska	298,611,130		
Nebraska To			
Iowa	259,818,185		
South Dakota	10,187,770		
New Mexico To			
Texas	41,035,818		
Texas To			
Oklahoma	123,183,710		

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

Equitable Resources, Inc.

Equitrans, Inc., Kentucky West Virginia Gas Company, and Equitable Gas Company are subsidiaries of Equitable Resources, Inc. The pipeline operations in Pennsylvania and West Virginia are conducted by Equitrans, Inc., and in Kentucky by Kentucky West Virginia Gas Company. The 264,000 customers in parts of West Virginia, Kentucky, and southwestern Pennsylvania, including the city of Pittsburgh are served by Equitable Gas Company. Equitrans was formed in 1988 to operate the interstate transmission and underground storage facilities in Pennsylvania and West Virginia. Kentucky West Virginia Gas Co. provides producers in eastern Kentucky with gathering services and transportation to other pipelines. Other subsidiaries

are involved in natural gas marketing, contract drilling and well services in the Appalachian Basin, and the development of a coalbed methane program in Virginia.

With the advent of FERC Order 636, which unbundles natural gas services, there will be a greater reliance on storage. Transportation, storage, balancing and peaking were formerly packaged together with the gas sale. They will be unbundled, priced separately, and offered to the market on a competitive and non-discriminatory basis under the new tariffs. Equitrans proposed new storage offerings in its Order 636 filing, including 10, 30, and 60-day winter peaking service, for which it

Figure 14. Equitable Resources, Inc., 1992

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

Supply Areas

— Equitrans, Inc.

- - - Kentucky West Virginia Gas Co.

Table 19. Equitable Resources, Inc., Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Equitrans, Inc.		Equitable Gas Co.			Kentucky West Virginia Gas Co.
	West Virginia	Pennsylvania	Kentucky	West Virginia	Pennsylvania	Kentucky
SUPPLY						
Produced Onsystem	1,749,587	722,927	0	15,141	209,975	0
Receipts						
Purchases	2,273,553	30,769,684	508,787	1,367,073	40,215,424	8,321,576
Transported/Exchange Gas	8,348,144	48,135,016	0	839,582	11,382,107	24,458,834
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	5,884,151	24,846,622	0	0	0	0
Storage Withdrawals	18,006,088	9,995,685	0	0	0	0
Received from Storage Operators	0	0	0	370,952	1,952,561	0
Other Supplies	0	0	0	0	0	0
Total Supplies	36,261,523	114,469,934	508,787	2,592,748	53,760,067	32,780,410
DISPOSITION						
Lease and Plant Use	1,253,286	310,020	0	0	0	2,060,909
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	24,846,622	5,884,151	0	0	0	0
Exchange Gas Deliveries	253,907	522,514	0	0	0	284,674
Storage Injections	14,890,881	9,296,272	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	433,500	2,566,500	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	33,445,918	0	0	0	1,579,445
To Consumers						
Residential	0	0	505,594	999,143	28,533,020	0
Commercial	0	0	0	259,079	7,830,636	0
Industrial	0	0	2,826	39,945	677,871	593,524
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	412,512	41,405,810	0	0	0	26,279,696
To Resellers	0	12,576,977	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	57,463	7,165,684	0
Industrial	0	0	0	556,664	3,892,768	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	203,840	0	0
Pipeline/Compressor Fuel	148,950	56,220	0	387	91,559	998,751
Other Disposition	0	0	0	0	0	0
Unaccounted For	-5,544,635	10,972,052	367	42,727	3,002,029	983,411
Total Disposition	36,261,523	114,469,934	508,787	2,592,748	53,760,067	32,780,410

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

would use approximately 4.5 billion cubic feet of its existing capacity.

Equitrans is adding 5 billion cubic feet to its existing 25 billion cubic feet of underground storage working capacity over the next 3 years. Several new storage ventures are also planned. The Avoca project, located south of Rochester, New York, will be the first salt strata market-area storage developed on the east coast. It is expected to be completed in 1995.

Equitable is also quite active in the natural gas vehicle market. Two of its buses took part in the inauguration ceremonies, one being used to transport the vice pres-

idential party. By the end of 1992, Equitable was operating 10 natural gas refueling stations and hoped to add another 6 by the end of 1993. Pittsburgh is planning on adding 15 new buses and 18 other natural gas vehicles during 1993. This and other fleet expansions will lead the number of natural gas vehicles supported by Equitable to more than double the 70 vehicles supported at the end of 1992.

In addition, Equitable is involved in natural gas cooling, fuel cells, and the power generation market. It has added new customers including a hospital, bank, school, and office complex to its natural gas cooling load. It also participates in fuel cell demonstration projects.

Gas Company of New Mexico

Public Service Company of New Mexico (PSNM) is a publicly owned combination gas and electric utility company serving numerous communities in the State of New Mexico. PSNM also owns facilities for the storage, transmission, distribution, and sale of water in Santa Fe, New Mexico. In 1992, PSNM derived 70 percent of its utility operations revenues from electric operations, 28.5 percent from natural gas operations, and 1.5 percent from water operations.

Natural gas distribution operations are conducted by PSNM's subsidiary, Gas Company of New Mexico (GasCo). Other subsidiaries, Sunterra Gas Gathering

Company and Sunterra Gas Processing Company provide gathering and processing services, respectively.

GasCo distributes natural gas to approximately 362,000 customers in Albuquerque and Santa Fe and other communities, with Albuquerque accounting for slightly more than half of the company's total natural gas customers. During 1992, GasCo provided both sales and transportation services to commercial and industrial customers, and sales services only to residential customers. Sales and transportation services accounted for around 68 percent and 32 percent, respectively, of GasCo's total gas deliveries to end users.

Figure 15. Gas Company of New Mexico, 1992

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

Service Areas

Table 20. Gas Company of New Mexico Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Gas Company of New Mexico	
	New Mexico	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	55,490,498	
Transported/Exchange Gas	64,588,955	
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals	528,849	
Received from Storage Operators	390,130	
Other Supplies		0
Total Supplies	120,998,432	
DISPOSITION		
Lease and Plant Use	6,034,048	
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries	2,526,645	
Storage Injections		0
Deliveries of Company-owned Gas		
To Storage Operators	284,405	
To Other Pipelines	17,042,565	
To Resellers	2,134,771	
To Consumers		
Residential	26,801,046	
Commercial	15,519,339	
Industrial	691,546	
Vehicle Fuel		0
Electric Utilities	20,146	
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines	28,741,287	
To Resellers	1,376,841	
To Consumers		
Residential		0
Commercial	8,360,558	
Industrial	10,832,594	
Vehicle Fuel	6,832	
Electric Utilities	605,949	
Pipeline/Compressor Fuel	981,624	
Other Disposition		0
Unaccounted For	-961,764	
Total Disposition	120,998,432	

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

At the end of 1992, GasCo owned 9,200 miles of distribution lines, 550 miles of gathering pipe, and 1,300 miles of transmission lines. It held leases on 130 miles of pipe from the Department of Energy for transportation of natural gas to Los Alamos and other northern New Mexico communities. The Company's processing facilities in northwestern New Mexico have the capacity for processing 300 thousand cubic feet of gas per day.

PSNM submitted a plan to the New Mexico Public Service Commission in the summer of 1993 to propose a restructuring framework for the Company with an emphasis on lower prices, expanded customer choices, and reduced corporate debt by consolidation of certain

electric and gas operations. The purpose of this filing was to focus on the Company's goal of service to retail customers in New Mexico. One of the specific actions PSNM is proposing is the disposal of all or major parts of its natural gas gathering and processing assets, along with their related contractual obligations. These sales would be structured so that GasCo would maintain an adequate supply of reasonably priced natural gas.

GasCo uses natural gas powered vehicles as a part of the Company's fleet of service vehicles. The company and the State worked together to promote the use of natural gas vehicles in a program that won a President's Environment and Conservation Challenge Award.

Iroquois Gas Transmission System

Iroquois Gas Transmission is a transportation-only pipeline, providing gas service from Canada to the Northeastern United States. The pipeline began operations in December 1991, with an initial 192 miles of transport service, stretching from the Canadian border to Wright, New York. The entire 375-mile Iroquois system, completed in January 1992, transports gas to customers in Connecticut, Massachusetts, Rhode Island, New Hampshire, New York, and New Jersey. With its newly operational compressor station in Wright, New York, Iroquois' capacity was boosted to 607 million cubic feet per day.

The Company provides direct deliveries to various shippers as well as upstream transportation service for shippers on the Tennessee and Algonquin systems. It extends from the U.S./Canada border at Waddington, New York, across the States of New York and Connecticut to South Commack and Long Island, New York. Iroquois interconnects with Tennessee Gas Pipeline Co. at Wright, New York, and Shelton, Connecticut; with Consolidated Natural Gas Transmission at Canajoharie, New York; and with Algonquin at Brookfield, Connecticut. Of the gas delivered, 80 percent is delivered to local distribution companies and the remaining 20 percent is delivered directly to power generators. New York and New Jersey will use 56 per-

Figure 16. Iroquois Gas Transmission System, 1992

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

Iroquois Gas Transmission System

Table 21. Iroquois Gas Transmission System Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Iroquois Gas Transmission System	
	New York	Connecticut
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	0	0
Transported/Exchange Gas	2,741,708	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	246,014,203	83,255,236
Storage Withdrawals	0	0
Received from Storage Operators	0	0
Other Supplies	677,376	0
Total Supplies	249,433,287	83,255,236
DISPOSITION		
Lease and Plant Use	0	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	83,255,236	57,811,485
Exchange Gas Deliveries	0	0
Storage Injections	0	0
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	0	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	71,443,372	25,443,751
To Resellers	57,811,485	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	0	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Pipeline/Compressor Fuel	0	0
Other Disposition	0	0
Unaccounted For	36,923,194	0
Total Disposition	249,433,287	83,255,236

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

cent of the gas while the balance, 44 percent, will be used in Connecticut, Massachusetts, Rhode Island and New Hampshire.

Iroquois expects to build two new facilities. The first will provide 55 million cubic feet of gas per day to Selkirk Cogen Partners, in Selkirk, New York. This facility, which will begin operations in November 1994, will interconnect between Tennessee Gas and Iroquois at Wright, New York, for delivery to Selkirk, New York. The second facility will provide 44.5 million cubic feet of gas per day to a power project in

Rotterdam, New York, and anticipates an in-service date of July 1995.

Iroquois is owned by TransCanada Pipeline Limited; Tennessee Gas Pipeline Company; Brooklyn Union Gas Company; Yankee Energy Systems, Inc.; CNG Transmission Corporation; ANR Pipeline Company, Inc.; AEC Pipelines; J. Makowski Company, Inc.; New Jersey Resources Corporation; Connecticut Natural Gas Corporation; New York Power Authority, and the Long Island Lighting Company.

K N Energy, Inc.

K N Energy, Inc. (KN) is a natural gas service company providing gas to residential, commercial, industrial, and electric utility customers. Unlike most companies in the natural gas industry, KN serves as both a transmission pipeline and a local distribution company. KN operates in 7 States and serves its customers through three pipeline systems, covering over 18,000 miles. KN's interstate pipeline system acquires gas from producing areas in Texas, Oklahoma, Kansas, Colorado, Wyoming, and Montana and distributes it to resellers and end users throughout its service area.

Northern Gas Company, a KN subsidiary, operates a 1,700-mile intrastate pipeline in Wyoming. Northern

Gas reports on the Form EIA-176 as two separate divisions: Northern Gas Co. and Northern Gas of Wyoming. Rocky Mountain Natural Gas Company (RMNG) operates a 2,100-mile intrastate pipeline in Colorado, which receives natural gas from another KN subsidiary, TCP Gathering, in Utah. RMNG also reports on the Form EIA-176 as two divisions: Rocky Mountain Natural Gas Co. and Rocky Mountain Natural Gas Division.

Several additions to KN's pipeline system were completed during 1992. In Northeast Wyoming, KN's Northern Gas Division purchased a natural gas distribution system serving almost 7,000 direct retail cus-

Figure 17. K N Energy, Inc., 1992

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

Supply Areas
Service Areas

———— K N Energy, Inc.
- - - - Colorado Intrastate System

———— Wyoming Intrastate System

Table 22. K N Energy, Inc., Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	K N Energy, Inc.				
	Texas	Oklahoma	Kansas	Nebraska	Colorado
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	118,484	3,015,174	39,250,560	572,877	11,273,615
Transported/Exchange Gas	24,653,701	19,864,178	7,500,205	632,910	5,216,938
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	1,695,024	5,372,178	47,552,242	4,496,212
Storage Withdrawals	0	0	212,690	9,847,836	87,007
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	1,419,665	0
Total Supplies	24,772,185	24,574,376	52,335,633	60,025,530	21,073,772
DISPOSITION					
Lease and Plant Use	0	1,407,765	6,141,088	0	136,026
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	1,695,024	0	17,308,618	4,498,646	7,737,535
Transported/Exchange Gas	0	0	0	0	0
Exchange Gas Deliveries	0	2,283,657	3,614,315	0	0
Storage Injections	0	0	88,606	10,254,494	93,903
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	58,115	0	0	0
To Resellers	0	0	4,289,698	9,826,880	9,921,222
To Consumers					
Residential	226	1,784	2,437,249	7,540,650	530,544
Commercial	670	39,144	5,961,315	10,347,507	568,517
Industrial	0	0	61,782	20,674	130,830
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	40,437	22,186	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	22,904,845	20,582,266	12,440,845	0	749,556
To Resellers	0	0	0	11,375,989	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	2,364,525	0
Industrial	0	0	745,080	2,172,116	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	975,903	0
Pipeline/Compressor Fuel	285,633	98,347	1,797,656	569,825	338,430
Other Disposition	0	0	0	0	0
Unaccounted For	-114,213	103,298	-2,591,056	56,135	867,209
Total Disposition	24,772,185	24,574,376	52,335,633	60,025,530	21,073,772

tomers and providing an additional 1.1 billion cubic feet of natural gas sales. KN Gas Gathering, Inc., a KN subsidiary, acquired a nonregulated natural gas gathering and processing facility located near Douglas, Wyoming. Another KN subsidiary, GASCO, Inc., bought oil and gas producing property in the Piceance Basin, located in western Colorado. KN has also acquired two natural gas gathering systems, located in the major Rocky Mountain production areas. The first was the 1,250-mile Wattenberg system in the Denver-Julesburg Basin in Colorado. The second comprises 110 miles of natural gas pipeline and related field facilities in the Wind River Basin of Wyoming.

Currently pending is the TransColorado transmission pipeline project, a joint venture among KN subsidiaries, Questar Corporation, and Public Service Company

of Colorado. It is expected to have a daily capacity of 300 million cubic feet of gas and will access various Rocky Mountain region reserve basins. Construction is expected to begin in 1994.

Distribution of KN's gas sales in 1992 continue to demonstrate the company's diversity. The company delivered 63 billion cubic feet to other pipelines, 54 billion cubic feet to resellers, 18 billion cubic feet to residential customers, 25 billion cubic feet to commercial customers, 19 billion cubic feet to industrial customers, and a small amount to electric utility customers. Additionally, the company's major storage fields located at Huntsman and Big Springs, Nebraska, enable it to meet heavy winter demand without disruption of its normal distribution patterns.

Table 22. K N Energy, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	K N Energy, Inc.		Northern Gas Co.	Northern Gas of Wyoming	Rocky Mountain Natural Gas Div.
	Wyoming	Montana	Wyoming		Colorado
SUPPLY					
Produced Onsystem	0	0	2,393	0	0
Receipts					
Purchases	9,186,045	5,786,098	5,779,725	7,154,427	4,796,155
Transported/Exchange Gas	29,786,904	12,481	16,449,960	62,070	38,532
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	0	0	0	107,492
Storage Withdrawals	0	0	2,068,220	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	38,972,949	5,798,579	24,300,298	7,216,497	4,942,179
DISPOSITION					
Lease and Plant Use	591,754	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	27,875,833	0	0	0	0
Transported/Exchange Gas	0	0	0	0	0
Exchange Gas Deliveries	0	5,891,342	0	0	0
Storage Injections	0	0	2,361,539	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	4,184,496	0	6,465,844	0	0
To Consumers					
Residential	816,024	0	0	3,931,428	2,605,417
Commercial	582,047	0	0	2,999,779	2,072,707
Industrial	0	0	179,073	0	25,039
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	5,973,811	12,356	0	0	0
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	106,049	0
Industrial	16,908	0	15,228,413	0	35,254
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	436,491	53,802	111,589	666	20,377
Other Disposition	0	0	0	0	0
Unaccounted For	-1,504,415	-158,921	-46,160	178,575	183,385
Total Disposition	38,972,949	5,798,579	24,300,298	7,216,497	4,942,179

Table 22. K N Energy, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Rocky Mountain Natural Gas Co.	TCP Gathering	RMNG Gathering Co.
	Colorado	Utah	Colorado
SUPPLY			
Produced Onsystem	0	0	0
Receipts			
Purchases	4,784,534	0	423,660
Transported/Exchange Gas	2,176,923	107,492	1,193,097
Interstate Movements			
Company-owned Gas	0	0	0
Transported/Exchange Gas	0	0	0
Storage Withdrawals	717,015	0	0
Received from Storage Operators	0	0	0
Other Supplies	0	0	0
Total Supplies	7,678,472	107,492	1,616,757
DISPOSITION			
Lease and Plant Use	0	0	0
Returned to Formations	0	0	0
Interstate Movements			
Company-owned Gas	0	0	0
Transported/Exchange Gas	0	107,492	0
Exchange Gas Deliveries	0	0	0
Storage Injections	857,306	0	0
Deliveries of Company-owned Gas			
To Storage Operators	0	0	0
To Other Pipelines	0	0	0
To Resellers	4,460,486	0	420,948
To Consumers			
Residential	0	0	0
Commercial	0	0	0
Industrial	0	0	0
Vehicle Fuel	0	0	0
Electric Utilities	0	0	0
Transported for the Account of Others			
To Storage Operators	0	0	0
To Other Pipelines	0	0	0
To Resellers	2,064,516	0	1,180,087
To Consumers			
Residential	0	0	0
Commercial	0	0	0
Industrial	0	0	0
Vehicle Fuel	0	0	0
Electric Utilities	0	0	0
Pipeline/Compressor Fuel	361,248	0	0
Other Disposition	0	0	0
Unaccounted For	-65,084	0	15,722
Total Disposition	7,678,472	107,492	1,616,757

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

Table 23. K N Energy, Inc., Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume	Company and State	Volume
K N Energy, Inc.		Rocky Mountain Natural Gas Div.	
Texas To		Colorado From	
Oklahoma	1,695,024	Utah	107,492
Kansas To			
Nebraska	17,308,618	TCP Gathering	
Nebraska To		Utah To	
Colorado	4,496,212	Colorado	107,492
Kansas	2,434		
Colorado To			
Kansas	5,369,744		
Nebraska	2,367,791		
Wyoming To			
Nebraska	27,875,833		

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

Koch Gateway Pipeline Co.

United Gas Pipe Line Company, previously a wholly owned subsidiary of United Gas Holding Corporation, was acquired by Koch Industries Inc., in November 1992. United filed bankruptcy in July 1990 and at the time of Koch Industries' acquisition, the company had not made significant progress towards restructuring financially. Industry reports suggest that Koch, because of its stability, should provide the management and financial support to make United a profitable company again. No terms of the acquisition were disclosed to the public; however that practice is one of long standing in the United Gas Pipe Line history. Koch is also a privately held company.

At the time of its acquisition by Koch, United held interests in 12 other corporations, all associated with the company's main interest, natural gas service. All, except UER Pipeline Services, are engaged in natural gas transmission. UER is an administrative services company specializing in pipeline administration. The other subsidiaries are Gateway Pipeline Company, Trans-Anadarko Pipeline Company, United Offshore Company, Cypress Pipeline Company, Unisouth Pipeline Company, Laser Marketing Company, Gulf South Pipeline Company, Texas Gulf South Pipeline Company, Mississippi Gulf South Pipeline Company, Florida Gulf South Pipeline Company, and Alabama Gulf

Figure 18. Koch Gateway Pipeline Co., 1992

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

Supply Areas

— Koch Gateway Pipeline Co.

Table 24. Koch Gateway Pipeline Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Koch Gateway Pipeline Co.					
	Oklahoma	Texas	Louisiana	Mississippi	Alabama	Florida
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	0	12,681,389	26,112,605	1,623,848	1,302,148	0
Transported/Exchange Gas	36,313	272,229,345	427,680,712	51,710,183	31,338,632	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	0	165,861,334	145,267,050	27,499,435	34,677,645
Storage Withdrawals	0	0	61,066,462	6,694,607	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	36,313	284,910,734	680,721,113	205,295,688	60,140,215	34,677,645
DISPOSITION						
Lease and Plant Use	0	9,087,387	2,235,259	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	165,861,334	145,267,050	27,499,435	34,677,645	0
Exchange Gas Deliveries	0	81,765,650	138,653,282	3,109,829	749,931	0
Storage Injections	0	0	55,426,130	6,683,051	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	5,560,360	17,958,605	11,360,576	1,620,855	1,991,768
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	701	0	0	0
Industrial	0	3,743	209,398	57,154	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	1,327,429	6,957,382	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	8,280,147	155,265,172	95,231,484	1,168,331	0
To Resellers	36,313	5,703,834	31,116,404	19,984,529	15,993,777	5,325,964
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	59,608	448,431	644,555	0	964,498
Industrial	0	3,458,928	63,246,250	17,316,103	5,759,217	25,867,179
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	1,627,161	63,705,145	14,957,732	0	296,781
Pipeline/Compressor Fuel	0	2,708,044	2,571,885	307,241	521	16
Other Disposition	0	0	0	0	0	0
Unaccounted For	0	794,538	3,289,972	1,186,617	169,938	231,439
Total Disposition	36,313	284,910,734	680,721,113	205,295,688	60,140,215	34,677,645

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

South Pipeline Company. All subsidiaries were 100 percent held by United.

After the collapse of its Suncoast joint venture with ANR Pipeline Company, United continued on its own to pursue the project which was intended to provide service to the Florida natural gas market. ANR also continued its interest in the Florida gas market with plans to build a parallel pipe line under the name SunShine Pipeline. A heated competition for Florida markets has developed since Florida Gas Transmission

has also undertaken a project to further expand its service to the Florida market.

Koch's acquisition of United is timely as it provides the necessary financing to complete the Suncoast project. United has announced its intent to begin service on the new system during the winter of 1995-96. In a move important to the success of the Suncoast project, United was granted an exemption from FERC regulations when it was determined that the pipeline would be regulated under Florida State law as an intrastate pipeline.

**Table 25. Koch Gateway Pipeline Co. Interstate
Flows of Natural Gas, 1992
(Thousand Cubic Feet)**

Company and State	Volume
Koch Gateway Pipeline Co.	
Texas To	
Louisiana	165,861,334
Louisiana To	
Mississippi	145,267,050
Mississippi To	
Alabama	27,499,435
Alabama To	
Florida	34,677,645

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

Lone Star Gas Co.

Lone Star Gas Company, in business since 1909, serves over 1.25 million customers in Texas. Lone Star is owned by ENSERCH Corporation, an integrated company with interests in natural gas exploration, production, processing, transportation, and marketing. This integration gives Lone Star a wellhead to end-use position in the industry.

ENSERCH's system is made up of more than 32,000 miles of transportation, gathering, and transmission lines. It is an intrastate system which links major producing areas on the Texas Gulf Coast, South Texas, and West Texas with markets throughout the Country

by means of interconnections with interstate pipelines within Texas.

Lone Star serves nearly 1.3 million customers in 550 cities in Texas through its nearly 9,000-mile pipeline system. The majority of Lone Star's customers are in the Dallas/Fort Worth area. A warmer than normal winter in 1992 caused lower sales to customers. The lowered sales were somewhat offset by increased penetration of the residential market. Lone Star installed gas distribution lines into more than 99 percent of new residential construction in 1992 in its service area. The company's share of gas usage in new homes rose to an

Figure 19. Lone Star Gas Co., 1992

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

Service Area

— Lone Star Gas Co.

Table 26. Lone Star Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Lone Star Gas Co.	National Pipeline Co.
	Texas	Oklahoma
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	174,050,972	0
Transported/Exchange Gas	342,012,119	2,020,826
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Storage Withdrawals	26,291,210	0
Received from Storage Operators	0	0
Other Supplies	1,170	0
Total Supplies	542,355,471	2,020,826
DISPOSITION		
Lease and Plant Use	5,680,962	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	9,374,399	0
Exchange Gas Deliveries	24,343,581	0
Storage Injections	18,869,281	0
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	9,467	0
To Consumers		
Residential	86,971,921	0
Commercial	37,197,394	0
Industrial	15,950,242	0
Vehicle Fuel	0	0
Electric Utilities	21,258,130	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	0	2,020,826
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	1,061,403	0
Industrial	266,481,885	0
Vehicle Fuel	0	0
Electric Utilities	44,709,701	0
Pipeline/Compressor Fuel	0	0
Other Disposition	0	0
Unaccounted For	10,447,105	0
Total Disposition	542,355,471	2,020,826

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

estimated 84 percent in 1992, up from 58 percent in 1988.

Lone Star's utility operations are augmented by other ENSERCH subsidiaries operating in Texas. ENSERCH has 18 natural gas liquids processing plants located on Lone Star Gas Company's system. Lone Star delivers the residue natural gas from these plants to its customers. Through its marketing subsidiaries, ENSERCH provides agreements with several major apartment developers to offer individually metered, gas-served apartments with combination space and wa-

ter heating systems, gas logs, and other amenities. The company has also marketed natural gas cooling systems. Commercial gas air-conditioning grew dramatically in 1992. Almost 8,000 tons of gas cooling equipment, or 19 systems, were sold or ordered.

Several successful fleet-vehicle conversions were accomplished in 1992. The Company also expanded its network of natural gas fueling stations. Four compressed natural gas stations were opened for public use and construction was begun on two more. By the end of 1993, 15 stations are expected to be in operation.

Michigan Consolidated Gas Co.

Michigan Consolidated Gas Company (MichCon) is owned by MCN Corporation. MCN also owns Citizens Gas Fuel Company and MichCon Trading Company. MichCon is a natural gas distribution, transmission, and storage company which serves 3.5 million residents in over 500 Michigan communities. Citizens is a natural gas utility serving 12,000 customers in Lenawee County in southern Michigan. MichCon Trading Company buys and sells natural gas for commercial and industrial customers in Michigan.

Natural gas gained market share in MichCon's service area as a result of slightly colder weather, the addition of new customers, and a gain of customers switching

from coal. The company estimates that gas delivered to displace coal gained 35 percent in 1992 over 1991. New housing and improved economic conditions contributed to the company's improved market. In a program to capture new customers, MichCon has added 55 communities to its service area since 1983, sixteen of those in 1992.

Over 90 percent of gas supplies bought in 1992 for residential and small commercial sales customers were from long-term supplies, primarily Michigan gas producers, interstate pipelines, and Canadian suppliers. The remainder was purchased on the spot market. Gas supplies for MichCon totaled 651 billion cubic feet in

Figure 20. Michigan Consolidated Gas Co., 1992

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

Service Areas

— Michigan Consolidated Gas Co.

a 1992, a 20-percent increase over gas supplies the previous year. For two consecutive years, onsystem production provided less than 1 percent of gas supplies. The total natural gas delivered to end-users in 1992 was 331 billion cubic feet, with 46 percent to residential consumers, 26 percent to commercial consumers, and 27 percent to industrial consumers.

MichCon owns and operates 130 billion cubic feet of natural gas storage capacity. The Blue Lake Storage project was a joint venture of MCN Corp. and ANR Storage Company. Through a subsidiary, Blue Lake Holdings, MCN invested in the partnership which developed a large gas storage field with a capacity of 42 billion cubic feet. The Blue Lake Storage Project was put into operation by ANR in 1993. Depleted gas fields in Michigan make possible the development of new storage reservoirs at a lower cost than in nearby States.

The Company has also been developing an Adsorbed Natural Gas (ANG) technology for natural gas pow-

ered vehicles that will permit the storing of volumes of natural gas at approximately one-tenth of the pressure required currently. When this patented technological process is used, the Company says that costs are lowered, fuel container designs can be more flexible, and shorter refueling times are permitted. The adsorbent technology would expand the driving range of a natural gas vehicle to more than 200 miles per tankful for a typical minivan. This technology is still being tested by MichCon.

The Company has developed marketing plans to promote gas-fueled cogeneration and air-conditioning. MCN provided technical and financial assistance to the development of 33 cogeneration projects in 1992.

MichCon is also involved in the development of a compact residential furnace which uses computer-controlled pressurized combustion technology. This development is expected to provide increased efficiency and heat uniformity.

Table 27. Michigan Consolidated Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	MichCon Gas Co.	Citizens Gas Fuel Co.
	Michigan	
SUPPLY		
Produced Onsystem	2,045,153	0
Receipts		
Purchases	151,732,633	3,243,826
Transported/Exchange Gas	356,930,588	212,938
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	7,808,801	0
Storage Withdrawals	113,020,149	0
Received from Storage Operators	19,289,137	0
Other Supplies	0	2,386
Total Supplies	650,826,461	3,459,150
DISPOSITION		
Lease and Plant Use	4,409,948	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	36,621,868	0
Exchange Gas Deliveries	0	0
Storage Injections	103,994,291	0
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	409,181
To Consumers		
Residential	149,006,221	1,339,073
Commercial	47,223,792	584,646
Industrial	2,646,944	906,760
Vehicle Fuel	0	0
Electric Utilities	169,404	0
Transported for the Account of Others		
To Storage Operators	28,455,349	0
To Other Pipelines	146,349,609	0
To Resellers	0	0
To Consumers		
Residential	1,973,672	0
Commercial	37,381,042	0
Industrial	87,247,598	218,202
Vehicle Fuel	0	0
Electric Utilities	2,193,168	0
Pipeline/Compressor Fuel	2,233,042	0
Other Disposition	0	0
Unaccounted For	920,513	1,288
Total Disposition	650,826,461	3,459,150

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

MidCon Corp.

MidCon Corporation is a subsidiary of Occidental Petroleum Corporation, an energy resource company with oil, gas, and coal operations. MidCon owns and operates nearly 1,700 miles of pipeline located in 12 States. MidCon is the owner of two pipeline subsidiaries: Natural Gas Pipeline Company of America (NGPL), and United Texas Transmission Company. NGPL, one of the Nation's top storage operators, increased its working gas storage capacity by 16 percent during 1992. NGPL owns total storage capacity of approximately 600 billion cubic feet.

MidCon's gas division has completed the first of two storage facilities in Texas with a combined total capac-

ity of 8.8 billion cubic feet. NGPL expects to effect a new menu gas sales business on December 1, 1993 and is in the process of reforming existing gas supply contracts.

MidCon's operations have been reorganized into two reporting divisions. Under the new organization, the regulated business division will manage all of MidCon's pipeline operations, including the marketing and sales of NGPL's regulated transportation and storage services, and manage volume control for the pipelines. The nonregulated business division will include United Texas Transmission, MidCon Marketing, as well as NGPL's previous gas supply, marketing and sales func-

Figure 21. MidCon Corp., 1992

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

Supply Areas   **—** Natural Gas Pipeline Co. of America   **—** United Texas Transmission Co.

Table 28. MidCon Corp. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Natural Gas Pipeline Co. of America				
	Louisiana	Texas	Arkansas	Missouri	Illinois
SUPPLY					
Produced Onsystem	0	6,356,996	0	0	0
Receipts					
Purchases	5,335,619	70,618,668	3,990,674	0	9,504
Transported/Exchange Gas	260,437,084	355,258,246	36,360,561	0	56,177,476
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	56,018,137	237,309,813	272,832,246	304,824,398	756,434,016
Storage Withdrawals	0	233,394,747	0	0	56,776,021
Received from Storage Operators	0	1,659,495	0	0	0
Other Supplies	30,412	318,179	109,524	36,829	208,695
Total Supplies	321,821,252	904,916,144	313,293,005	304,861,227	869,605,712
DISPOSITION					
Lease and Plant Use	0	5,126,094	73,792	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	24,946,101
Transported/Exchange Gas	0	493,669,338	304,824,398	302,246,110	156,782,936
Exchange Gas Deliveries	4,695,152	34,238,704	90,290	0	2,685,110
Storage Injections	0	225,633,928	0	0	48,197,180
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	27,740,921	13,135,893	0	0	766,237
To Resellers	0	114,955	0	435,450	233,480,017
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	1,941,001
Industrial	0	8,025	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	4,800,283	0	0	0
To Other Pipelines	285,144,179	116,823,795	423,740	0	60,782,629
To Resellers	3,346,727	1,162,801	0	1,110,701	325,835,350
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	2,634,133
Industrial	0	804,370	4,070,957	0	5,728,796
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	441,174	4,656,817	2,177,783	520,144	2,716,492
Other Disposition	0	0	0	0	0
Unaccounted For	453,099	4,741,141	1,632,045	548,822	3,109,730
Total Disposition	321,821,252	904,916,144	313,293,005	304,861,227	869,605,712

tions. New market development has also been aligned with this part of the organization.

However, NGPL's sales and marketing activities currently regulated by Federal Energy Regulatory Commission will continue to be managed separately from

nonregulated activities until implementation of the company's Order No. 636 restructuring program. During 1992, the last full year of operation under traditional pipeline rules, MidCon's operating subsidiaries sold nearly 764 billion cubic feet of natural gas and transported more than 1.6 trillion cubic feet.

Table 28. MidCon Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Natural Gas Pipeline Co. of America				
	New Mexico	Oklahoma	Kansas	Nebraska	Iowa
SUPPLY					
Produced Onsystem	688	9,436	0	0	0
Receipts					
Purchases	6,063,853	23,364,388	62,037	875,537	874,671
Transported/Exchange Gas	63,536,283	217,665,669	25,956,568	82,694,186	221,477,461
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	164,818,955	199,060,861	222,131,954	287,212,973
Storage Withdrawals	2,598,538	28,907,440	0	0	40,978,904
Received from Storage Operators	0	0	0	0	0
Other Supplies	31,289	88,288	109,367	34,227	96,777
Total Supplies	72,230,651	434,854,176	225,188,833	305,735,904	550,640,786
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	40,057,003	396,313,671	222,131,954	287,212,973	454,187,906
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	32,200,915	0	0	40,189,381
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	629,311	183,273	0	37,997	642,762
To Resellers	0	21,408	96,170	298,836	7,260,249
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	9,080
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	484,589	0	0	0	0
To Other Pipelines	30,121,514	3,078,129	0	0	0
To Resellers	0	0	102,962	11,108,442	37,855,576
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	296,257	0	0	6,077,684	5,608,039
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	638,376	0	0	0
Pipeline/Compressor Fuel	175,724	1,102,847	1,228,237	489,978	3,445,767
Other Disposition	0	0	0	0	0
Unaccounted For	466,253	1,315,557	1,629,510	509,994	1,442,026
Total Disposition	72,230,651	434,854,176	225,188,833	305,735,904	550,640,786

Table 28. MidCon Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	United Texas Transmission Co.	Moraine Pipeline Co.		Trailblazer Pipeline System		
	Texas	Illinois	Wisconsin	Colorado	Wyoming	Nebraska
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	167,358,190	0	0	0	0	0
Transported/Exchange Gas	481,098,032	16,153,160	0	115,809,555	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	0	16,153,160	104,037,413	104,056,029	219,777,872
Storage Withdrawals	0	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	4,445	221	12,134
Total Supplies	648,456,222	16,153,160	16,153,160	219,851,413	104,056,250	219,790,006
DISPOSITION						
Lease and Plant Use	253,100	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	16,153,160	0	219,781,143	104,052,758	104,037,413
Exchange Gas Deliveries	200,117,076	0	0	0	0	0
Storage Injections	0	0	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	25,243,429	0	0	0	0	0
To Resellers	18,264,598	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	64,757,051	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	56,743,417	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	41,542,164	0	0	0	0	115,560,746
To Resellers	33,961,292	0	16,153,160	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	153,565,141	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	51,992,382	0	0	0	0	0
Pipeline/Compressor Fuel	2,844,834	0	0	1,059	53	2,892
Other Disposition	0	0	0	0	0	0
Unaccounted For	-828,262	0	0	69,211	3,439	188,955
Total Disposition	648,456,222	16,153,160	16,153,160	219,851,413	104,056,250	219,790,006

Table 28. MidCon Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Stingray Pipeline Co.		Texas Industrial Energy Co.	Palo Duro Pipeline Co.	Kansas Gas Supply Corp.
	Texas	Louisiana	Texas		Kansas
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	0	0	8,975,483
Transported/Exchange Gas	4,871,102	260,261,760	1,929,959	16,646,876	11,522,458
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	4,873,735	0	0	0
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	4,871,102	265,135,495	1,929,959	16,646,876	20,497,941
DISPOSITION					
Lease and Plant Use	0	2,546,252	0	0	1,684,429
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	4,873,735	0	0	0	0
Exchange Gas Deliveries	0	0	0	4,450	0
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	0	0	0	685,399
To Consumers					
Residential	0	0	0	0	11,386
Commercial	0	0	0	0	204,389
Industrial	0	0	0	33,870	578,510
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	4,526,560
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	261,622,017	0	16,224,172	12,013,820
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	1,929,965	0	0
Pipeline/Compressor Fuel	0	1,315,144	0	86,090	601,394
Other Disposition	88	11,571	0	0	0
Unaccounted For	-2,721	-359,489	-6	298,294	192,054
Total Disposition	4,871,102	265,135,495	1,929,959	16,646,876	20,497,941

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

Table 29. MidCon Corp. Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume	Company and State	Volume
Natural Gas Pipeline Co. of America		Moraine Pipeline Co.	
Texas To		Illinois To	
Arkansas	272,832,246	Wisconsin	16,153,160
Louisiana	56,018,137		
Oklahoma	164,818,955	Trailblazer Pipeline System	
Arkansas To		Colorado To	
Missouri	304,824,398	Nebraska	115,725,114
Missouri To		Wyoming	104,056,029
Illinois	302,246,110	Wyoming To	
Illinois To		Nebraska	104,052,758
Indiana	173,638,299	Nebraska To	
Wisconsin	8,090,738	Colorado	104,037,413
New Mexico To			
Texas	40,057,003	Stingray Pipeline Co.	
Oklahoma To		Texas To	
Kansas	199,060,861	Louisiana	4,873,735
Texas	197,252,810		
Kansas To			
Nebraska	222,131,954		
Nebraska To			
Iowa	287,212,973		
Iowa To			
Illinois	454,187,906		

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

National Fuel Gas Co.

National Fuel Gas Company engages in the production, transportation, storage, and distribution of natural gas in western New York, northwestern Pennsylvania, and southern Ontario, Canada. One of the company's subsidiaries, National Fuel Gas Supply Corporation, is an interstate pipeline and provides storage service. National Fuel Gas Distribution Corporation, a National Fuel subsidiary, is a public utility and supplies natural gas to end users. Another subsidiary, Penn-York Energy Corporation (Penn-York Natural Gas Storage Company), provides underground gas storage service to nonaffiliated companies. Seneca Resources and Empire Exploration, subsidiaries of National Fuel, are en-

gaged in the exploration and production of oil and natural gas from reserves in the United States and Canada.

National Fuel's interstate pipeline network interconnects with five long-line pipelines that provide service to the Northeastern United States markets. In addition, it interconnects with a large number of storage fields in the Pennsylvania and New York areas.

National Fuel is a major transporter of Canadian gas to consumers in the growing northeastern markets. The Niagara Spur Loop Project, a 49-mile, 30-inch pipeline completed in 1992, is jointly owned by Tennessee Gas and two other pipeline companies. The

Figure 22. National Fuel Gas Co., 1992

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

Service Areas

■ National Fuel Gas Supply Co.

■ Penn York Natural Gas Storage

loop connects directly to TransCanada Pipelines Limited system in Ontario, Canada, and plans are currently under way for an expansion that will increase capacity an additional 69 million cubic feet per day.

The company became an open-access transporter under Federal Energy Regulatory Commission Order 500 in November 1990. As a downstream pipeline company, it has virtually no direct take-or-pay obligations. Any take-or-pay surcharges passed to it by its pipeline suppliers are passed on to its end-use customers.

National Fuel's Gulf of Mexico offshore exploration program started five new wells during 1992 and brought all to completion. All five wells were brought on stream during 1993. National Fuel also completed its first horizontal well during 1993; more horizontal wells are under development.

In 1992, National completed a 62-megawatt cogeneration plant at the Outokumpu American Brass

Company in Buffalo, New York. In 1993, the company connected another cogeneration facility, the Oxbow Power Corporation at North Tonawanda, New York.

National Fuel delivers natural gas primarily to residential, commercial, and industrial customers, but is expanding that service to cogeneration customers. Several of the company's industrial customers have also recently switched from coal to natural gas. Other industrial applications include providing fuel for a kiln used for soil remediation in one of New York State's largest Superfund cleanups, fueling a waste-reduction device that reduces industrial sludge, and operating a natural gas refueling station in Tonawanda, New York. National Fuel promotes the marketing of natural gas as a vehicular fuel substituting for other more pollution prone fuels. In 1992 the company increased its own natural gas vehicle fleet by some 35 percent to a total of 280. Also in 1992 National added two new natural gas refueling stations. With the addition of these stations, National now services 14 private fleets.

Table 30. National Fuel Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	National Fuel Gas Supply Corp.		National Fuel Gas Distribution Corp.		Penn York Natural Gas Storage	
	Pennsylvania	New York	Pennsylvania	New York	Pennsylvania	
SUPPLY						
Produced Onsystem	3,856,730	462,611	0	0	0	0
Receipts						
Purchases	48,861,106	21,540,665	35,346,852	90,602,392	0	0
Transported/Exchange Gas	115,035,112	93,993,863	21,566,088	29,146,567	0	47,678,266
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	13,896,300	0	0	0	14,691,137	8,954,973
Storage Withdrawals	60,118,175	24,122,918	0	0	12,592,229	0
Received from Storage Operators	0	0	0	0	0	2,868,658
Other Supplies	0	0	0	0	0	0
Total Supplies	241,767,423	140,120,057	56,902,940	119,748,959	27,283,366	59,501,897
DISPOSITION						
Lease and Plant Use	0	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	913,017	0	0	0	0	0
Transported/Exchange Gas	0	13,896,300	0	0	8,954,973	14,691,137
Exchange Gas Deliveries	918,179	0	0	0	0	0
Storage Injections	61,230,525	19,213,344	0	0	14,324,486	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	40,525,459	88,230,751	0	0	0	0
To Consumers						
Residential	0	0	25,263,269	61,732,620	0	0
Commercial	0	0	7,446,214	18,030,602	0	0
Industrial	0	0	1,230,790	7,058,087	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	27,070	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	2,868,658
To Other Pipelines	0	0	0	0	3,637,256	40,569,392
To Resellers	137,735,893	20,101,157	0	0	0	0
To Consumers						
Residential	0	0	0	69,336	0	0
Commercial	0	0	2,368,720	6,512,071	0	0
Industrial	0	0	18,456,617	21,853,240	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	1,160,752	154,093	770,332	859,449	366,651	1,372,710
Other Disposition	0	0	0	0	0	0
Unaccounted For	-716,402	-1,475,588	1,339,928	3,633,554	0	0
Total Disposition	241,767,423	140,120,057	56,902,940	119,748,959	27,283,366	59,501,897

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

**Table 31. National Fuel Gas Co.
Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)**

Company and State	Volume
National Fuel Gas Supply Corp.	
Pennsylvania To	
Ohio	913,017
New York To	
Pennsylvania	13,896,300
Penn York Natural Gas Storage	
New York To	
Pennsylvania	8,954,973
Pennsylvania To	
New York	14,691,137

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

Niagara Mohawk Power Corp.

Niagara Mohawk Power Corp. is an investor-owned combination gas and electric utility incorporated in New York in July 1937. The company operates in New York State and is principally engaged in the production and/or purchase, transmission, distribution and sale of electricity (85 percent of company revenues) and the purchase, distribution and sale of natural gas (15 percent of revenues).

The Company has several wholly owned direct and indirect subsidiaries. Opinac Energy Corporation, a Canadian-based subsidiary, owns Opinac Exploration Limited and Canadian Niagara Power Company, Limited. Opinac Energy Corporation and Opinac Explo-

ration Limited engage in the exploration and development of oil and gas properties. Canadian Niagara Power generates electricity at its Niagara Falls, Ontario hydro-electric plant. HYDRO-CO Enterprises, Inc., another of the Company's subsidiaries, develops, owns and/or operates cogeneration and small power plants. These facilities are located both within and outside of the Company's service territory.

Niagara Mohawk Power Corporation distributes natural gas to a geographic area reaching from Syracuse to Albany. Not all of the Company's distribution areas are physically linked with one another by company-owned facilities. Nine separate distribution areas are

Figure 23. Niagara Mohawk Power Corp., 1992

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

Service Area

connected directly with CNG Transmission Corporation (CNG), an interstate natural gas pipeline regulated by the Federal Energy Regulatory Commission (FERC).

In the fall of 1991, Niagara Mohawk entered into agreements with the Iroquois Gas Transmission System (Iroquois) and CNG Transmission Corporation to provide for delivery of Canadian gas. During 1992, about 19 percent of the Company's gas was transported on Iroquois. Presently, Canadian gas is shipped through the CNG system. The Company expects its system to be linked directly with Iroquois within a few years.

In August 1991, the Company entered into a merger agreement with Syracuse Suburban Gas Company with approximately 4,600 customers in two communities. The merger was approved by the New York State

Public Service Commission in April 1992 and completed in June.

During 1992, Niagara Mohawk moved more than 166 billion cubic feet of gas through its system for deliveries to both end users and resellers. The total natural gas to end users in 1992 was 156 billion cubic feet, with 34 percent to residential consumers, 30 percent to commercial consumers, and 26 percent to industrial customers. Niagara Mohawk delivered 16 billion cubic feet of gas (10 percent) to electric utilities. Most of the remaining supplies (11.6 billion cubic feet) were injected into storage facilities.

In partnership with Hess Oil Corporation, the company participated in the first installation of a public natural gas refueling station in its service territory. Three stations were slated to open in 1993, including one in Albany.

2 of 3

Table 32. Niagara Mohawk Power Corp. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Niagara Mohawk Power Corp.	
	New York	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	91,142,223	
Transported/Exchange Gas	65,663,727	
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals		0
Received from Storage Operators	9,219,727	
Other Supplies		0
Total Supplies	166,025,677	
DISPOSITION		
Lease and Plant Use		0
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries		0
Storage Injections		0
Deliveries of Company-owned Gas		
To Storage Operators	11,550,169	
To Other Pipelines		0
To Resellers	1,715,722	
To Consumers		
Residential	52,327,891	
Commercial	21,404,775	
Industrial	1,655,367	
Vehicle Fuel		0
Electric Utilities	16,044,400	
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential		0
Commercial	25,665,230	
Industrial	38,925,009	
Vehicle Fuel		0
Electric Utilities		0
Pipeline/Compressor Fuel		0
Other Disposition		0
Unaccounted For	-3,262,886	
Total Disposition	166,025,677	

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

Northern Illinois Gas Co.

Northern Illinois Gas Co., one of the Nation's largest gas distribution utilities, is a subsidiary of NICOR, Inc., a holding company. Northern Illinois delivers natural gas to more than 1.7 million customers in the northern third of Illinois, excluding the city of Chicago. It provides transportation service, gas storage and supply backup to more than 12,000 commercial and industrial customers that purchase their own gas supply. The company is connected to five interstate pipelines and has storage facilities that provide more than one-third of total normal winter needs.

NICOR Oil and Gas, another subsidiary, is engaged in gas and oil exploration and production in the United

States and Canada. The company's reserve and production operations are located primarily in the Anadarko and Arkoma Basins of Oklahoma and the Gulf Coast areas of Texas and Louisiana. Its reserve and production volumes are approximately 80 percent natural gas and 20 percent oil.

In 1992, Northern Illinois Gas added approximately 27,100 customers. Large-scale residential and commercial developments are being built in Northern Illinois with more anticipated in the outlying communities of Chicago. The company expects to gain most of the new residential and commercial space-heating market. In 1993, Northern Illinois began delivering natural gas

Figure 24. Northern Illinois Gas Co., 1992

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

Service Areas

— Northern Illinois Gas Co.

to Commonwealth Edison's largest electric-generating station. Previously, this facility operated entirely on fuel oil.

Northern Illinois has three primary areas of growth opportunities resulting from provisions of the Clean Air Act: large-tonnage gas air conditioning, conversion of industrial plants from coal to natural gas, and natural gas vehicles.

Northern Illinois also operates seven underground storage facilities, with about 165 billion cubic feet of total capacity. The company uses its storage principally to provide service to end users.

In February 1992, Amoco Oil Company in conjunction with Northern Illinois Gas opened the first compressed natural gas station available to the general public in the Chicago suburb of Warrenville. The facility will also be used to fuel CNG-powered vehicles, as will the Amoco Research Center in Naperville, Illinois.

On June 1, 1993, Northern Illinois Gas opened a new midwest market hub for natural gas, known as the Chicago Hub. Natural Gas Clearinghouse will administer the hub through its subsidiary, Hub Services, Inc. The Chicago Hub connects with five interstate pipelines: Natural Gas Pipeline of America, Northern Natural Gas, Panhandle Eastern Pipe Line, ANR Pipeline, and Midwestern Gas Transmission. The deregulation of the natural gas industry has created an interest in hubs, and Northern Illinois is the first local distribution company to operate one.

The Chicago Hub offers balancing, wheeling, parking, and title transfer services. Balancing is a service that matches buyers with transportation customers who are selling. Wheeling occurs when a shipper transports from one interstate pipeline to another, using a third-party. Parking provides an option for short-term storage.

Table 33. Northern Illinois Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Northern Illinois Gas Co.	
	Illinois	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	279,284,743	
Transported/Exchange Gas	161,352,866	
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals	117,702,442	
Received from Storage Operators	13,806,281	
Other Supplies		0
Total Supplies	572,146,332	
DISPOSITION		
Lease and Plant Use		0
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries	442,344	
Storage Injections	113,808,568	
Deliveries of Company-owned Gas		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	223,900,874	
Commercial	51,932,243	
Industrial	16,938,641	
Vehicle Fuel	2,137	
Electric Utilities	87,252	
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	6,105,095	
Commercial	36,914,805	
Industrial	112,020,505	
Vehicle Fuel	1,053	
Electric Utilities	6,055,623	
Pipeline/Compressor Fuel	2,163,078	
Other Disposition		0
Unaccounted For	1,774,114	
Total Disposition	572,146,332	

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

Northern Indiana Public Service Co.

Northern Indiana Public Service Company delivers natural gas and electricity throughout the northern third of Indiana, a 12,000-square-mile area with a population of about 2.2 million. It is the largest gas company in Indiana with approximately 614,000 customers and the second largest electric company in the State. Northern Indiana is the principal subsidiary of NIPSCO Industries Inc., an energy-based holding company.

Another subsidiary, NIPSCO Energy Services Inc., coordinates the company's energy-related diversification ventures. It has four subsidiaries: NIPSCO Fuel Company Inc., investing in gas and oil exploration and

development ventures; NIPSCO Energy Trading Corporation, engaged in gas and other energy-brokering; NI-TEX Inc., an intrastate natural gas transmission and gas supply company; and Triumph Natural Gas, Inc. Effective January 1993, NIPSCO Energy Services acquired a controlling interest in Triumph, a Dallas, Texas-based gas marketing company. Triumph is expected to help provide a variety of gas services to local gas distribution companies and industrial customers in the Midwest.

In February 1992, NIPSCO Industries Inc. purchased Kokomo Gas and Fuel Company, which serves the city of Kokomo, Indiana, and surrounding rural areas.

Figure 25. Northern Indiana Public Service Co., 1992

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

Service Area

Table 34. Northern Indiana Public Service Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Northern Indiana Public Service Co.	Kokomo Gas & Fuel Co.
	Indiana	
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	4,006,395	1,430,066
Transported/Exchange Gas	82,306,082	6,101,754
Interstate Movements		
Company-owned Gas	15,189,673	0
Transported/Exchange Gas	158,448,626	0
Storage Withdrawals	7,395,650	86,698
Received from Storage Operators	0	0
Other Supplies	0	0
Total Supplies	267,346,426	7,618,518
DISPOSITION		
Lease and Plant Use	0	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Exchange Gas Deliveries	0	0
Storage Injections	6,660,267	99,517
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	66,154,058	3,149,604
Commercial	26,058,936	1,380,992
Industrial	14,560,469	1,342,051
Vehicle Fuel	56,036	0
Electric Utilities	1,248,515	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	145,584,929	1,660,601
Vehicle Fuel	0	0
Electric Utilities	6,128,632	0
Pipeline/Compressor Fuel	111,799	7,392
Other Disposition	0	0
Unaccounted For	782,785	-21,639
Total Disposition	267,346,426	7,618,518

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

Also, in December 1992, NIPSCO signed an agreement to acquire Northern Indiana Fuel and Light Company which serves gas customers in northeastern Indiana.

The company's underground gas storage field at Royal Center, Indiana, has a storage capacity of 6.75 million decatherms. In addition, the Company has several gas storage service agreements which make possible the withdrawals of substantial quantities of gas from other storage facilities.

Gas is purchased from Natural Gas Pipeline Company of America, Midwestern Gas Transmission Company, Panhandle Eastern Pipeline Company, Trunkline Gas

Company, ANR Pipeline Company, and various producers under separate service agreements. In 1992 the company purchased approximately 31 percent of its gas supply through the spot market, usually on 30-day agreements.

Northern Indiana Public Service Company continues to pursue its interests in the natural gas vehicle market. Customers include the LaPorte Police Department, the AAA Medical Shuttle, and the University of Notre Dame. During 1992 they were supporting private natural gas vehicle fleets of 48 vehicles and 4 refueling stations in addition to their own 700-vehicle fleet and 17 refueling stations.

Northwest Natural Gas Co.

Northwest Natural Gas Company is a diversified energy company that provides sales and transportation service to natural gas customers in Northwest Oregon and Southwest Washington. It also has three subsidiaries that produce and market natural gas and oil and support the development of other energy-related businesses.

Northwest Natural transports large amounts of customer-owned gas to industrial customers. More than half of the gas moved through its distribution system is for transportation customers who purchase their own gas and contract with Northwest Natural for transportation services. Agreements were reached

with the majority of the company's large industrial customers to provide interruptible transportation at rates designed to compete with bypass costs. Under such agreements, which prohibit bypass costs, the company is able to keep its large industrial customer base substantially intact.

The prime gas supplier to Northwest Natural Gas Co. is the Northwest Pipeline Corp. A second supplier, starting in late 1993, is the Pacific Gas Transmission Co. (PGT). Northwest Natural reached an agreement with Portland General Electric Co. to acquire capacity on the PGT expansion to be used for electric generation

Figure 26. Northwest Natural Gas Co., 1992

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

Service Area   **—** Northwest Natural Gas Co.

Table 35. Northwest Natural Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Northwest Natural Gas Co.	
	Oregon	Washington
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	41,730,595	2,280,808
Transported/Exchange Gas	49,325,565	8,191,404
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Storage Withdrawals	7,319,895	0
Received from Storage Operators	0	0
Other Supplies	1,907	0
Total Supplies	98,377,962	10,472,212
DISPOSITION		
Lease and Plant Use	0	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Exchange Gas Deliveries	0	0
Storage Injections	6,490,099	0
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	19,164,433	766,939
Commercial	15,301,467	1,124,226
Industrial	8,276,436	437,742
Vehicle Fuel	6,103	0
Electric Utilities	0	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	36,507,720	8,191,404
Vehicle Fuel	0	0
Electric Utilities	12,817,845	0
Pipeline/Compressor Fuel	121,246	0
Other Disposition	0	0
Unaccounted For	-307,387	-48,099
Total Disposition	98,377,962	10,472,212

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

by Portland and to supply Northwest Natural's expanding needs.

The 18-mile Kelso Beaver Pipeline has been completed which gives Portland General direct access to North-

west Pipeline. Also planned is a pipeline extension from Central Oregon to the Willamette Valley to be completed in 1995. This will connect directly to PGT so that natural gas will not have to be shipped via Northwest Pipeline.

ONEOK, Inc.

Headquartered in Oklahoma, ONEOK, Inc., is a natural gas utility with a wide range of energy interests. It is made up of three major divisions. The Oklahoma Natural Gas Company handles the purchasing, distribution, and selling of natural gas and the leasing of pipeline capacity. The ONG Transmission Company is responsible for gathering, compressing, transporting, and storing natural gas. It is also responsible for the company's link to interstate transmission systems. The Energy Company is responsible for natural gas liquids extraction operations, oil and gas exploration and production, and contract drilling.

The Oklahoma Natural Gas Company owns 13,000 miles of distribution pipeline serving almost 700,000 customers in a service area that covers three-fourths of Oklahoma. A total of 281 communities in Oklahoma are served, with Oklahoma City and Tulsa being the two largest markets.

The ONG Transmission Company has 5,000 miles of gathering and transmission pipelines. The transmission system is connected to pipeline suppliers, processing plants, and wells in all the major producing areas in the State. Caney River Transmission Company, a subsidiary, owns a 25 percent interest in Ozark Gas Transmission System which serves the Arkoma Basin. An-

Figure 27. ONEOK, Inc., 1992

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

Supply Areas
Service Area

— Oklahoma Natural Gas Co.

— Red River Pipeline Co.

other subsidiary, TransTex Pipeline Company, owns 25-percent interest in Red River Pipeline which serves the Anadarko Basin. ONG Western Inc., is a 525-mile transmission system connecting ONEOK's major pipeline system with the Anadarko Basin in western Oklahoma. ONG Sayre Storage Company purchases, stores, and delivers gas in western Oklahoma. ONG Red Oak Transmission Company purchases and delivers gas from southeastern Oklahoma to Tulsa.

Two subsidiaries of the Energy Companies--ONEOK Exploration Company and ONEOK Resource Company--are engaged in oil and gas exploration and production. Another subsidiary, ONEOK Gas Marketing Company, which was formed in September 1992, has entered into a partnership with Ward Gas Marketing Inc. The new partnership will market natural gas throughout the country.

The company operates five underground natural gas storage facilities. Oklahoma Natural Gas's withdrawals from storage on peak winter days can supply up to 50 percent of its system deliverability requirements.

Oklahoma Natural Gas helped pioneer the currently used technology for storing natural gas in depleted underground gas fields in the late 1930's. This year, ONEOK Drilling successfully participated in the State's first and the Nation's third research project to determine whether or not horizontally drilled withdrawal wells would increase gas deliverability from underground storage. There was a 650-percent improvement. The flow potential at the test site increased

from 6 million cubic feet of gas to 45 million cubic feet of gas per day.

A new wholly owned subsidiary, ONEOK Technology Company, was created during 1992 to develop and market a new meter setting device. This technology would enable utilities to change meters while continuing the gas flow to customers' homes.

After 12 years of commitment to development of compressed natural gas as an alternate fuel, about 1,000 NGV's are operating in Oklahoma. This compares to 440 NGV's for ONEOK one year ago and to 35,000 NGV's currently operating throughout the United States. The U.S. Postal Service alone doubled its fleet from 400 to 800 becoming one of the Nation's largest NGV delivery fleets. Plans to convert 1,500 more postal vehicles in 1993 through an Oklahoma firm are underway.

With the help of Gas Research Institute (GRI), ONEOK hopes to further penetrate gas markets through new technologies and products. Among these services and products are cogeneration systems, specialized commercial cooking equipment, and high-efficiency chillers. By 1994, residential customers will be able to purchase a new 3-ton, economically efficient, natural gas-fired heat pump which will provide year-round space conditioning. The company continues to help commercial customers by marketing new commercial products and technological developments. For instance, this year GRI will introduce an infrared rangetop burner designed to heat large quantities twice as fast as current equipment.

Table 36. ONEOK, Inc., Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Oklahoma Natural Gas Co.	ONG Sayre Storage Co.	ONG Red Oak Transmission Co.	ONG Western, Inc.	Oktex Pipeline Co.	Red River Pipeline Co.
	Oklahoma					Texas
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	128,446,965	176,850	0	14,454,443	0	0
Transported/Exchange Gas	189,669,641	3,457,020	57,135,213	71,201,164	0	11,796,652
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	0	0	0	9,374,399	0
Storage Withdrawals	24,967,049	0	0	0	0	0
Received from Storage Operators	1,773,035	1,773,035	0	0	0	0
Other Supplies	0	0	0	0	0	91,650
Total Supplies	344,856,690	5,406,905	57,135,213	85,655,607	9,374,399	11,888,302
DISPOSITION						
Lease and Plant Use	125,729	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	0	0	0	0	0
Exchange Gas Deliveries	73,944,502	4,252,145	56,627,487	72,047,920	0	0
Storage Injections	21,622,204	0	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	930,434	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	2,355,928	176,850	0	14,454,443	0	0
To Consumers						
Residential	51,644,485	0	0	0	0	0
Commercial	23,604,609	0	0	0	0	0
Industrial	38,678,092	0	0	0	0	0
Vehicle Fuel	45,300	0	0	0	0	0
Electric Utilities	3,286,185	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	995,760	0	0	0	0
To Other Pipelines	0	0	0	0	0	11,695,495
To Resellers	445,460	0	0	0	9,374,399	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	2,127,015	0	0	0	0	0
Industrial	114,923,693	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	5,213,642	0	0	0	0	0
Pipeline/Compressor Fuel	778,496	129	526	234	0	323,293
Other Disposition	0	0	0	0	0	0
Unaccounted For	5,130,916	-17,979	507,200	-846,990	0	-130,486
Total Disposition	344,856,690	5,406,905	57,135,213	85,655,607	9,374,399	11,888,302

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

Pacific Gas and Electric Co.

Pacific Gas and Electric (PG&E), the Nation's largest investor-owned gas and electric company, has operations throughout northern and central California. The company provides service to more than 3 million natural gas residential customers and about 200,000 other natural gas customers. Its gas supplies come primarily from Canada, with lesser amounts from the Southwestern United States and California.

Pacific Gas Transmission (PGT), a wholly owned subsidiary of PG&E, transports gas from Canada through the Pacific Northwest into California. Expansion of the pipeline from Alberta to California, due to be com-

pleted in fourth quarter 1993, will bring additional Canadian gas to California and the Northwestern States.

In June 1993, PGT sold its interest, nearly 50 percent, in Alberta Natural Gas Company, Limited (ANG). This Canadian corporation is involved in production, purchase, and transportation of natural gas in Alberta, Canada.

PG&E is a leading distributor of natural gas to consumers, delivering 784 billion cubic feet of gas to consumers in 1992. Of that amount 35 percent, or 276 billion cubic feet, went to generate electricity.

Figure 28. Pacific Gas and Electric Co., 1992

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

Service Area

— Pacific Gas Transmission Co.

Table 37. Pacific Gas and Electric Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Pacific Gas & Electric Co.	Pacific Gas Transmission Co.			
	California	Idaho	Washington	Oregon	Wyoming
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	50,334,000	0	0	0	2,051,640
Transported/Exchange Gas	90,343,000	0	0	12,278,066	0
Interstate Movements					
Company-owned Gas	303,228,225	308,990,291	0	0	0
Transported/Exchange Gas	353,467,766	189,232,017	491,200,366	449,670,029	0
Storage Withdrawals	46,916,000	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	457,000	0	0	0	0
Total Supplies	844,745,991	498,222,308	491,200,366	461,948,095	2,051,640
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	307,300,907	305,786,858	303,228,225	0
Transported/Exchange Gas	0	182,128,523	145,654,107	45,297,430	0
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	34,295,000	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	2,026,984
To Resellers	13,627,062	0	0	0	0
To Consumers					
Residential	191,208,015	0	0	0	0
Commercial	132,243,117	0	0	0	0
Industrial	93,005,670	0	0	0	0
Vehicle Fuel	13,789	0	0	0	0
Electric Utilities	127,880,488	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	3,014,979	724,411	37,323,383	107,098,615	0
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	28,207,665	0	0	0	0
Industrial	63,233,614	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	147,751,289	0	0	0	0
Pipeline/Compressor Fuel	8,310,918	2,776,640	2,491,807	6,515,731	24,656
Other Disposition	698,200	201,098	349,151	318,333	0
Unaccounted For	1,256,185	5,090,729	-404,940	-510,239	0
Total Disposition	844,745,991	498,222,308	491,200,366	461,948,095	2,051,640

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

Residential customers received 191 billion cubic feet of gas, while the commercial and industrial sectors received 160 and 156 cubic feet, respectively. In 1992, 40 percent of the deliveries to industrial customers were for the account of others, while PG&E acted as the transporter for 18 percent of the commercial deliveries.

Nearly 20 years ago, PG&E began experimenting with natural gas vehicles. By the end of the decade, PG&E hopes to have 125,000 fleet vehicles operating on natural gas in northern and central California. The company also plans to have adequate refueling stations for all natural gas vehicles.

Because many more customers are buying their own gas supplies, PG&E is becoming more of an intrastate transporter of gas rather than a marketer. It will no longer purchase as much gas and plans to sell its interest in pipelines and other natural gas facilities outside of California.

During 1993, the company announced a corporate restructuring and corresponding changes in the number and organization of employees. The planned workforce reduction of 3,000 positions by the end of 1995 represents a targeted downsizing of more than 11 percent. Half of that reduction will have taken place by the end of 1993, while the remainder is planned to occur by the end of 1995.

**Table 38. Pacific Gas and Electric Co. Interstate
Flows of Natural Gas, 1992
(Thousand Cubic Feet)**

Company and State	Volume
Pacific Gas & Electric Co.	
California From	
Arizona	309,941,272
Oregon	346,754,719
Pacific Gas Transmission Co.	
Canada To	
Idaho	496,451,372
Idaho To	
Washington	489,429,430
Washington To	
Idaho	1,770,936
Oregon	449,670,029
Oregon To	
California	346,754,719
Washington	1,770,936

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

Panhandle Eastern Corp.

The Panhandle Eastern Corporation (PEC) is the parent company of subsidiaries including Texas Eastern Transmission Corporation (TETCO), Algonquin Gas Transmission Company, Panhandle Eastern Pipeline Company (PEPL), Trunkline Gas Company, Trunkline LNG Company, Centana Energy Corporation, Panhandle Trading Company, and Liberty Pipeline (30-percent owned).

Panhandle, at the inception of the Federal Energy Regulatory Commission's (FERC) Order 636, took a very aggressive approach to service restructuring; hence PEPL, TETCO, and Algonquin were among the first pipelines to receive FERC orders in response to their

filings. Trunkline Gas Company, another PEC subsidiary, also received its restructuring order. National Steel Corporation, Great Lakes Division, became the first to use PEC's direct open-access service and was the first to sign up for proposed 636 service.

PEC has made an extensive commitment to expanding its services in the Northeast segment of the United States. In 1992, TETCO and Algonquin completed new transportation service that provides approximately 500 million cubic feet of natural gas per day to 16 northeast customers. By 1995, with additional phased-in expansion projects, 750 million cubic feet more per day will be available through long-term firm

Figure 29. Panhandle Eastern Corp., 1992

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

Supply Areas	—— Panhandle Eastern Pipe Line Co.	—— Texas Eastern Transmission Corp.
	- - - Algonquin Gas Transmission Co.	... Trunkline Gas Co.

Table 39. Panhandle Eastern Corp. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Panhandle Eastern Pipe Line Co.				
	Texas	Oklahoma	Wyoming	Colorado	Kansas
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	1,425,138	4,820,489	3,163,437	7,249,063	25,098,816
Transported/Exchange Gas	61,385,611	185,523,254	10,120,509	30,153,380	228,367,517
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	15,303,251	64,949,482	0	0	234,376,358
Storage Withdrawals	0	4,268,197	0	0	0
Received from Storage Operators	0	0	0	0	15,325,561
Other Supplies	0	0	0	0	0
Total Supplies	78,114,000	259,561,422	13,283,946	37,402,443	503,168,252
DISPOSITION					
Lease and Plant Use	0	95,921	4,164	104,760	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	64,949,482	249,679,609	0	0	428,749,278
Exchange Gas Deliveries	8,941,377	0	8,851,056	0	8,196,395
Storage Injections	0	1,695,697	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	5,116,725
To Other Pipelines	0	0	0	0	0
To Resellers	3,205	0	0	0	17,894,743
To Consumers					
Residential	12,002	23,358	0	0	60,116
Commercial	816,822	582,873	0	25,382	785,869
Industrial	0	0	0	0	12,244
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	2,429,097	17,027,344	0
To Resellers	1,110,296	3,268,067	1,310,864	21,786,643	14,539,954
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	63,656	0	0	0	15,472,704
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	28,647	273,867	0	731,204	1,396,629
Other Disposition	0	0	0	0	0
Unaccounted For	2,188,513	3,942,030	688,765	-2,272,890	10,943,595
Total Disposition	78,114,000	259,561,422	13,283,946	37,402,443	503,168,252

contracts. These services helped increase deliveries by 10 percent in 1992, in comparison to a 3 percent national increase. In concert with Liberty Pipeline, TETCO, and Algonquin, the company has filed applications with the FERC to gain approval for several projects in the New York/New Jersey area.

The Liberty Upstream Project, a joint venture between TETCO and Liberty Pipeline Company, will construct a 38-mile pipeline interconnection between TETCO and an unnamed system in New Jersey to provide service to Long Island. Assuming FERC approval, the venture will cost 152 million dollars to complete and will provide approximately 500 million cubic feet per day of firm transportation service to the New York area in late 1994. TETCO along with PEPL, in another move aimed at service expansion in the Northeast, filed an application to supply Liberty with another 245 million cubic feet per day of firm transportation service.

The Integrated Transportation Program, a venture involving all of the Panhandle Eastern pipelines in the Northeast (Algonquin, Texas Eastern, Liberty Pipeline, and Panhandle Eastern) will deliver 261 million cubic feet per day of firm transportation service to TETCO and Algonquin customers beginning in November 1993.

The Elizabethtown/Eastern Shore project, involving TETCO and Trunkline, will provide 30 million cubic feet of firm transportation to the Eastern Shore Natural Gas Company. The facilities cost of this project is estimated at 39 million dollars.

Panhandle is also a participant in a number of joint ventures. The Northern Border pipeline project, in which the company holds over 22 percent interest, is an open-access pipeline joint venture with Northwest Alaskan and is the initial construction on what is known

Table 39. Panhandle Eastern Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Panhandle Eastern Pipe Line Co.				
	Missouri	Illinois	Indiana	Ohio	Michigan
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	0	0	0
Transported/Exchange Gas	0	184,961,272	17,493,590	6,081,050	19,045,438
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	428,749,278	378,586,292	474,411,103	283,512,334	141,502,851
Storage Withdrawals	0	5,034,400	0	0	9,876,296
Received from Storage Operators	0	0	0	0	16,494,418
Other Supplies	0	0	0	0	0
Total Supplies	428,749,278	568,581,964	491,904,693	289,593,384	186,919,003
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	378,586,292	474,411,103	283,512,334	141,502,851	22,871,929
Exchange Gas Deliveries	0	0	5,879,429	0	0
Storage Injections	0	2,908,798	0	0	5,723,722
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	5,354,817
To Other Pipelines	0	0	0	19,357	0
To Resellers	4,280,490	9,202,346	15,544,739	4,591,250	7,560,377
To Consumers					
Residential	101,388	0	0	0	0
Commercial	7,384	0	0	13,663	0
Industrial	53,542	89,724	47,913	2,894	732
Vehicle Fuel	0	0	0	0	0
Electric Utilities	147	62,629	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	36,565,597	0	12,903,133
To Resellers	36,361,531	52,784,892	137,303,427	129,266,754	84,844,492
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	2,356,446	23,117,550	8,040,754	12,422,823	44,656,901
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	261,171	601,960	256,660	68,858	190,841
Other Disposition	0	0	0	0	0
Unaccounted For	6,740,887	5,404,962	4,753,840	1,704,934	2,812,059
Total Disposition	428,749,278	568,581,964	491,904,693	289,593,384	186,919,003

as the Alaska Natural Gas Transportation System (ANGTS). The pipeline will deliver Canadian gas through the Pan-Alberta Pipeline to the Northern Border.

The company holds a 14 percent interest in the Midland Cogeneration Venture in Michigan. Midland is the Nation's largest cogeneration facility. National Methanol Company (25 percent owned) boasts the world's largest chemical grade methanol facility; it will produce in excess of 700,000 metric tons of methyl tertiary butyl

ether (MTBE) per year. MTBE is an oxygenate which creates cleaner burning gasoline blends.

In a positive environmental move, Algonquin began providing 100 million cubic feet per day of natural gas to Boston Edison. Boston Edison will initially use natural gas 9 months of each year until it permanently converts to natural gas in 1995. And in the oil-dependent Northeast area, PEC will target residential markets for natural gas business for home heating and cooling, appliances, and home refueling stations for vehicles.

Table 39. Panhandle Eastern Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Texas Eastern Transmission Corp.				
	Texas	Louisiana	Mississippi	Alabama	Tennessee
SUPPLY					
Produced Onsystem	0	6,823	0	0	0
Receipts					
Purchases	24,358,831	69,985,680	11,017,093	0	0
Transported/Exchange Gas	331,689,151	529,471,643	55,587,462	2,422,781	20,296
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	208,638,104	535,937,428	596,124,596	594,933,927
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	356,047,982	808,102,250	602,541,983	598,547,377	594,954,223
DISPOSITION					
Lease and Plant Use	0	4,509,669	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	281,609,053	535,937,428	596,124,596	594,933,927	584,098,050
Exchange Gas Deliveries	918,587	98,191,311	12,176	0	0
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	371,396	38,746	15,568	698,808
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	37,157,198	107,054,843	64,623	184,147	3,935,583
To Resellers	33,707,370	56,590,269	1,305,187	1,603,729	4,994,047
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	1,372,654	4,387,672	4,333,190	1,704,954	928,498
Other Disposition	0	0	0	0	0
Unaccounted For	1,283,120	1,059,662	663,465	105,052	299,237
Total Disposition	356,047,982	808,102,250	602,541,983	598,547,377	594,954,223

Table 39. Panhandle Eastern Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Texas Eastern Transmission Corp.				
	Kentucky	West Virginia	Arkansas	Missouri	Illinois
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	915,061	0	0
Transported/Exchange Gas	8,600,494	44,121	22,493,651	0	9,333,160
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	584,098,050	693,723,482	17,424,388	39,974,665	33,977,637
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	592,698,544	693,767,603	40,833,100	39,974,665	43,310,797
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	588,424,844	686,824,634	39,974,665	33,977,637	1,227,736
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	12,083	0	28,604	1,338,893	2,049,775
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	6,882,869	59,529	236,687	34,375,072
To Resellers	457,696	3,931	184,261	4,064,757	5,395,287
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	3,350,165	0	358,440	308,934	189,907
Other Disposition	0	0	0	0	0
Unaccounted For	453,756	56,169	227,601	47,757	73,020
Total Disposition	592,698,544	693,767,603	40,833,100	39,974,665	43,310,797

Table 39. Panhandle Eastern Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Texas Eastern Transmission Corp.					
	Indiana	Ohio	Pennsylvania	New York	New Jersey	Maryland
SUPPLY						
Produced Onsystem	0	0	17,152	0	0	0
Receipts						
Purchases	331	127,108	31,163	0	0	0
Transported/Exchange Gas	15,661,018	156,004,726	96,598,751	14,293,694	35,295,601	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	1,227,736	601,704,835	703,786,536	73,078,774	404,242,866	18,280,856
Storage Withdrawals	0	0	0	0	0	19,169,024
Received from Storage Operators	0	0	21,718,959	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	16,889,085	757,836,669	822,152,561	87,372,468	439,538,467	37,449,880
DISPOSITION						
Lease and Plant Use	0	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	13,279,991	693,723,482	422,523,722	0	73,078,774	16,961,902
Exchange Gas Deliveries	0	0	28,182,237	0	0	0
Storage Injections	0	0	0	0	0	19,501,840
Deliveries of Company-owned Gas						
To Storage Operators	0	0	28,367,889	0	0	0
To Other Pipelines	10,734	0	8,970,761	0	17,561,909	0
To Resellers	874,567	1,828,682	23,276,202	13,147,124	27,219,192	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	500,109	38,146,750	103,097,950	5,623,167	66,398,607	0
To Resellers	1,839,203	21,539,063	193,650,664	68,598,822	254,416,819	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	255,880	2,081,458	12,872,178	0	699,372	560,676
Other Disposition	0	0	0	0	0	0
Unaccounted For	128,601	517,234	1,210,958	3,355	163,794	425,462
Total Disposition	16,889,085	757,836,669	822,152,561	87,372,468	439,538,467	37,449,880

Table 39. Panhandle Eastern Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Algonquin Gas Transmission Co.				
	New Jersey	New York	Connecticut	Rhode Island	Massachusetts
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	16,671,937	0	0	0	0
Transported/Exchange Gas	229,606,088	0	0	0	5,184,823
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	211,513,392	212,991,996	160,559,825	132,485,669
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	246,278,025	211,513,392	212,991,996	160,559,825	137,670,492
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	9,717,060	9,256,982	6,313,475	3,652,669	0
Transported/Exchange Gas	201,796,332	203,735,014	154,246,350	128,833,000	0
Exchange Gas Deliveries	4,442,025	0	0	0	0
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	246,068	460,079	2,943,507	2,660,806	3,652,669
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	27,274,986	48,963,589	24,159,221	110,752,461
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	993,581	20,607,740
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	2,668,592
Pipeline/Compressor Fuel	79,608	804,704	558,853	278,633	77,718
Other Disposition	0	0	0	0	0
Unaccounted For	29,996,932	-30,018,373	-33,778	-18,085	-88,688
Total Disposition	246,278,025	211,513,392	212,991,996	160,559,825	137,670,492

Table 39. Panhandle Eastern Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Trunkline Gas Co.					
	Texas	Louisiana	Arkansas	Mississippi	Tennessee	Kentucky
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	4,455,600	45,420,427	0	0	0	0
Transported/Exchange Gas	112,604,963	574,121,474	0	0	1,277	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	99,022,261	431,308,053	431,285,642	428,257,488	390,783,317
Storage Withdrawals	0	8,027,578	0	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	117,060,563	726,591,740	431,308,053	431,285,642	428,258,765	390,783,317
DISPOSITION						
Lease and Plant Use	0	14,254,983	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	99,022,261	431,308,053	431,285,642	428,257,488	390,783,317	390,367,840
Exchange Gas Deliveries	0	0	0	0	0	0
Storage Injections	0	9,792,900	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	56,603	0	621,477	346,994	13,618
To Consumers						
Residential	0	0	0	0	0	0
Commercial	76,259	10,180	0	0	0	0
Industrial	1,496	29,411	0	0	4,681	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	16,786,295	266,849,373	6,466	431,868	36,073,415	361,082
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	967,741	3,785,077	0	1,852,373	961,376	0
Other Disposition	0	0	0	0	0	0
Unaccounted For	206,511	505,160	15,945	122,436	88,982	40,777
Total Disposition	117,060,563	726,591,740	431,308,053	431,285,642	428,258,765	390,783,317

Table 39. Panhandle Eastern Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Trunkline Gas Co.			Trunkline LNG Co.	Southwest Gas Storage Co.
	Illinois	Indiana	Ohio	Louisiana	Kansas
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	0	0	0
Transported/Exchange Gas	3,547,095	78,367,154	69,263,878	0	5,116,725
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	390,367,840	187,639,177	75,209,116	12,637,191	0
Storage Withdrawals	0	0	0	12,097,444	15,406,305
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	393,914,935	266,006,331	144,472,994	24,734,635	20,523,030
DISPOSITION					
Lease and Plant Use	0	0	0	595,306	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	88,591,898	0	0	0
Transported/Exchange Gas	187,639,177	134,696,273	0	0	0
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	0	0	12,545,014	6,545,074
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	3,271,613	1,160,980	0	11,437,108	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	1,372	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	201,415,057	41,261,510	144,901,119	0	15,326,405
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	1,396,718	304,889	0	63,658	0
Other Disposition	0	0	0	0	0
Unaccounted For	192,370	-9,219	-428,125	92,177	-1,348,449
Total Disposition	393,914,935	266,006,331	144,472,994	24,734,635	20,523,030

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

Table 40. Panhandle Eastern Corp. Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume	Company and State	Volume
Panhandle Eastern Pipe Line Co.			
Texas To		Texas Eastern Transmission Corp.	
Oklahoma	64,949,482	Indiana To	
Oklahoma To		Ohio	13,279,991
Kansas	234,376,358	Ohio To	
Texas	15,303,251	West Virginia	693,723,482
Kansas To		Pennsylvania To	
Missouri	428,749,278	Maryland	18,280,856
Missouri To		New Jersey	404,242,866
Illinois	378,586,292	New Jersey To	
Illinois To		New York	73,078,774
Indiana	474,411,103	Maryland To	
Indiana To		Pennsylvania	16,961,902
Ohio	283,512,334		
Ohio To			
Michigan	141,502,851	Algonquin Gas Transmission Co.	
Michigan To		New Jersey To	
Canada	22,871,929	New York	211,513,392
		New York To	
		Connecticut	212,991,996
		Connecticut To	
		Rhode Island	160,559,825
		Rhode Island To	
		Massachusetts	132,485,669
Texas Eastern Transmission Corp.		Trunkline Gas Co.	
Texas To		Texas To	
Arkansas	17,424,388	Louisiana	99,022,261
Louisiana	208,638,104	Louisiana To	
Mexico	55,546,561	Arkansas	431,308,053
Louisiana To		Arkansas To	
Mississippi	535,937,428	Mississippi	431,285,642
Mississippi To		Mississippi To	
Alabama	596,124,596	Tennessee	428,257,488
Alabama To		Tennessee To	
Tennessee	594,933,927	Kentucky	390,783,317
Tennessee To		Kentucky To	
Kentucky	584,098,050	Illinois	390,367,840
Kentucky To		Illinois To	
Ohio	588,424,844	Indiana	187,639,177
West Virginia To		Indiana To	
Pennsylvania	686,824,634	Ohio	298,497,287
Arkansas To			
Missouri	39,974,665		
Missouri To			
Ill.	33,977,637		
Illinois To			
Indiana	1,227,736		
		Trunkline LNG Co.	
		Algeria To	
		Louisiana	12,637,191

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

Peoples Gas Light & Coke Co.

Peoples Energy Corporation is the holding company for the Peoples Gas Light and Coke Company (Peoples Gas) and North Shore Gas Company (North Shore Gas). These utilities are primarily engaged in the purchase, production, storage, distribution, sale, and transportation of natural gas in two of the major gas-consuming markets in the Nation. Peoples Gas has approximately 844,000 residential, commercial, and industrial retail sales, and transportation customers within the city of Chicago. North Shore Gas, based in Waukegan, Illinois, has more than 121,000 residential, commercial, and industrial retail sales and transportation customers in 54 Northeastern Illinois communities. Natural gas is the predominate fuel for cooking, heating

water, and drying clothes in this area and heats 93 percent of the homes.

During 1992, the Company took several steps to enhance its supply position including signing some firm contracts with producers. North Shore began construction of a 14-mile pipeline that will tie into the transmission line operated by its supplying pipeline company. Peoples Gas started a 3-year drilling program to add 20 wells at its underground storage field. This will allow withdrawal of a greater amount of gas on peak days.

Figure 30. Peoples Gas Light & Coke Co., 1992

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

Service Area

Table 41. Peoples Gas Light & Coke Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Peoples Gas Light & Coke Co.	North Shore Gas Co.
	Illinois	
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	141,247,060	23,054,908
Transported/Exchange Gas	86,409,453	11,699,640
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Storage Withdrawals	29,407,171	0
Received from Storage Operators	28,099,731	8,657,587
Other Supplies	8,022,183	7,282
Total Supplies	293,185,598	43,419,417
DISPOSITION		
Lease and Plant Use	0	78
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Exchange Gas Deliveries	0	0
Storage Injections	30,974,341	0
Deliveries of Company-owned Gas		
To Storage Operators	25,786,110	8,737,727
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	119,334,962	18,750,541
Commercial	21,552,228	3,529,033
Industrial	6,137,509	829,162
Vehicle Fuel	0	0
Electric Utilities	131,528	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	2,246,296	0
To Consumers		
Residential	22,907,274	745,369
Commercial	33,223,248	4,936,959
Industrial	27,856,083	5,791,238
Vehicle Fuel	0	0
Electric Utilities	0	0
Pipeline/Compressor Fuel	648,339	0
Other Disposition	1,237,387	0
Unaccounted For	1,150,293	99,310
Total Disposition	293,185,598	43,419,417

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

Peoples is actively pursuing cogeneration applications where natural gas is used to generate electricity and heat. Eight Peoples Gas customers installed cogeneration units and it is expected that two more will be installed in 1993. The largest is a 13-megawatt facility at the University of Illinois in Chicago. Cogeneration systems currently in operation or under construction represent an annual gas load of more than one billion cubic feet.

Peoples continued to promote new gas applications such as natural gas vehicles (NGVs), gas cooling, and fuel cells. The Chicago area has the Nation's largest

concentration of fleet vehicles. Peoples uses natural gas in 400 of their own vehicles, some of which are factory-built to run exclusively on natural gas. Amoco Oil Company equipped two local stations in Chicago and a western suburb with natural gas fueling systems. Amoco plans to provide similar systems at four other Chicago stations in 1993.

Peoples is also pursuing new applications involving gas cooling systems, gas heat pumps, and fuel cells. Peoples Gas will install its first fuel cell unit in 1993. These units use natural gas to create electricity through a combustion-free chemical reaction.

Public Service Co. of Colorado

Public Service Company of Colorado engages in the generation, purchase, transmission, distribution, and sale of natural gas in the Rocky Mountain region, primarily in Colorado. The company provides gas to an estimated population of 2.7 million people, approximately 1.9 million of whom live in the Denver area. The company operates an extensive pipeline system of more than 13,300 miles of service and distribution pipes.

Public Service of Colorado owns all of the outstanding stock of Cheyenne Light, Fuel and Power Co., which serves Cheyenne and southeastern Wyoming. Public Service also owns Fuel Resources Development Co., Natural Fuels Co., Bannock Center Co., Welton Prop-

erties., PS Colorado Credit Corp., and P.S.R. Investment Inc. In January 1993, the company expanded its natural gas systems by merging with the Western Gas Supply Company. The company divested most of its real estate holdings in order to concentrate on providing energy services.

In 1992 the company began the task of removing spent fuel from the core of its closed Fort St. Vrain nuclear power plant. The facility will be used to store the spent fuel until a Federal facility is available. The company is evaluating plans to convert the plant into a gas-fired facility if the work is completed as expected in 1995.

Figure 31. Public Service Co. of Colorado, 1992

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

Service Areas

Table 42. Public Service Co. of Colorado Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Public Service Co. of Colorado	Western Gas Supply Co.	Cheyenne Light Fuel and Power Co.
	Colorado		Wyoming
SUPPLY			
Produced Onsystem	0	0	0
Receipts			
Purchases	124,550,803	30,068,399	3,993,184
Transported/Exchange Gas	19,886,008	88,245,574	9,278,808
Interstate Movements			
Company-owned Gas	0	0	0
Transported/Exchange Gas	0	0	0
Storage Withdrawals	1,349,929	3,668,198	0
Received from Storage Operators	0	0	0
Other Supplies	0	325,401	0
Total Supplies	145,786,740	122,307,572	13,271,992
DISPOSITION			
Lease and Plant Use	0	471,748	0
Returned to Formations	0	0	0
Interstate Movements			
Company-owned Gas	0	0	0
Transported/Exchange Gas	0	0	0
Exchange Gas Deliveries	0	0	0
Storage Injections	1,445,805	3,631,911	0
Deliveries of Company-owned Gas			
To Storage Operators	0	0	0
To Other Pipelines	0	0	0
To Resellers	0	26,228,713	0
To Consumers			
Residential	71,816,826	0	2,118,459
Commercial	47,387,252	0	1,296,350
Industrial	718,531	150,870	629,628
Vehicle Fuel	0	0	0
Electric Utilities	0	194,006	0
Transported for the Account of Others			
To Storage Operators	0	0	0
To Other Pipelines	0	44,268,971	0
To Resellers	0	29,299,214	0
To Consumers			
Residential	0	0	0
Commercial	0	0	0
Industrial	19,488,287	12,761,966	9,093,232
Vehicle Fuel	0	11,908	0
Electric Utilities	0	834,759	0
Pipeline/Compressor Fuel	0	1,314,438	0
Other Disposition	0	0	0
Unaccounted For	4,930,039	3,139,068	134,323
Total Disposition	145,786,740	122,307,572	13,271,992

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

The Public Service Co. of Colorado has actively pursued a policy that promotes the use of natural gas as an alternative fuel for vehicles. The company has converted company fleet vehicles to natural gas and is currently a participant in the building of natural gas refueling stations. In 1992, Public Service ended a

project that would convert landfill methane gas into diesel fuel.

The U.S. Forest Service recognized Public Service in 1992 as one of the best utility companies in the country in its tree planting efforts.

Public Service Electric and Gas Co.

Public Service Electric and Gas Company (PSE&G), incorporated in 1924, is a regulated combined electric and gas utility providing electric and gas service to more than 2 million customers in New Jersey. PSE&G is the largest utility in New Jersey and one of the largest combined electric and gas companies in the United States. The PSE&G electric and gas service area is a corridor of approximately 2,300 square miles running diagonally across New Jersey from Bergen County in the northeast to an area below Camden in the southwest. The PSE&G natural gas system includes more than 14,900 miles of distribution line, 3,574 miles of plastic mains, and 14,133 miles of service line. The

company has one liquefied natural gas storage plant for peak shaving.

During 1992, PSE&G provided service to approximately 1.9 million electric customers and 1.5 million gas customers in areas of New Jersey where approximately 5.5 million persons reside. PSE&G's natural gas deliveries to residential, commercial, industrial, and electric utility customers represented 68 percent of the natural gas consumed in New Jersey during 1992. The company converted more than 8,800 residences from oil heat to natural gas during the year. Additionally, industrial and commercial conversions accounted for sales of almost 5 million cubic feet of natural gas.

Figure 32. Public Service Electric and Gas Co., 1992

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

Service Area

Total gas sold and transported to consumers increased 20 percent from 1991 to 1992. In the same period, gas delivered to industrial consumers more than doubled (107 percent). Cogeneration sales and deliveries were the largest contributors to the increase in industrial sales and transportation service. At year-end 1992, subsidiary Community Energy Alternatives Inc., had invested in 19 cogeneration or power plants, of which 15 were in operation. Construction continued on the Newark Bay Cogeneration Facility, which will be fueled by 10 billion cubic feet of natural gas with a capacity of 137 megawatts. Construction also continued on the JFK Airport Cogeneration Facility, which is fueled by natural gas and has a 100-megawatt capacity.

PSE&G purchases all of its natural gas from others. These supplies were transported to New Jersey by Transcontinental Gas Pipeline Corporation, Texas Eastern Transmission Corporation, Tennessee Gas Pipeline Company, and Energy Development Corporation. Gas is also purchased from refineries and other sources.

In continued support of the use of natural gas vehicles (NGV), PSE&G operates a NGV compressor at NJ

Bell Telephone Company's Newark office to service Bell's fleet of 25 NGV's while working to develop a local public refueling infrastructure. In support of the State's plan to convert 100 vehicles to natural gas, PSE&G began construction of a refueling station at the Department of Transportation's headquarters in Ewing Township. The company also provided refueling units to Princeton University's Plasma Physics Lab to service its eight NGV vans. PSE&G also is seeking regulatory approval to construct a compressed natural gas refueling station at a public gasoline station.

PSE&G continued to market natural gas in other areas. A new high-tech air-conditioner, using a natural gas fueled engine to drive the compressor and chiller, was successfully tested and is now in commercial production. The company also continued to study heat pumps powered by natural gas driven engines.

During the summer of 1992, PSE&G switched to natural gas at two of its coal plants, which helped reduce the emissions of oxides of nitrogen by half. The fuel switch also helped eliminate nearly 100 percent of sulfur dioxide emissions as well as significant amounts of carbon dioxide emissions.

Table 43. Public Service Electric and Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Public Service Electric and Gas Co.	
	New Jersey	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	364,690,523	
Transported/Exchange Gas		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals	310,741	
Received from Storage Operators		0
Other Supplies	14,361,846	
Total	379,363,110	
DISPOSITION		
Lease and Plant Use		0
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries	3,173	
Storage Injections	295,149	
Deliveries of Company-owned Gas		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	123,758,501	
Commercial	91,912,904	
Industrial	72,332,879	
Vehicle Fuel		0
Electric Utilities	29,832,089	
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential		0
Commercial	7,529,424	
Industrial	45,321,795	
Vehicle Fuel		0
Electric Utilities		0
Pipeline/Compressor Fuel	1,999,775	
Other Disposition		0
Unaccounted For	6,377,421	
Total Disposition	379,363,110	

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

Questar Corp.

Questar Corporation engages in the exploration, production, transmission, storage, and distribution of natural gas in the Rocky Mountain and Midcontinent regions. Exploration and production is carried out by three subsidiaries: Wexco Company, Celsius Energy Company, and Universal Resource Corporation. Questar Pipeline Company operates an interstate natural gas gathering and transmission system serving Colorado, Utah, and Wyoming. This subsidiary also owns and operates an underground storage facility in northern Utah. Mountain Fuel Supply Company provides

natural gas distribution service in Utah, Wyoming, and Idaho, serving 530,000 customers.

Mountain Fuel Supply has been working on the building of natural gas refueling stations for the last 3 years. There are now more than 12 public refueling stations in its service area. Questar Corporation has more than 500 natural gas powered vehicles in its fleet and is promoting the adoption of natural gas vehicles by other fleet owners.

Figure 33. Questar Corp., 1992

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

Supply Areas
Service Areas

— Questar Pipeline Co.

— Mountain Fuel Supply Co.

Table 44. Questar Corp. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Questar Pipeline Co.			Mountain Fuel Supply Co.	
	Colorado	Utah	Wyoming	Utah	Wyoming
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	5,311,367	25,028,658	17,971,175	35,100,714	1,748,023
Transported/Exchange Gas	26,229,125	48,432,890	136,455,158	72,378,025	6,462,240
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	288,876	99,076,115	45,399,157	0	0
Storage Withdrawals	0	26,372,625	899,304	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	31,829,368	198,910,288	200,724,794	107,478,739	8,210,263
DISPOSITION					
Lease and Plant Use	170,551	789,179	736,628	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	23,977,998	32,066,317	88,719,833	82,801	0
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	31,221,969	855,360	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	35,256,085	1,740,016	0	0
To Consumers					
Residential	0	0	0	44,356,971	1,948,379
Commercial	0	0	0	16,225,787	1,277,579
Industrial	0	0	0	4,606,065	291,220
Vehicle Fuel	0	0	0	15,331	10,022
Electric Utilities	0	0	0	28,809	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	7,139,700	105,803,611	104,485,637	0	0
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	36,086,988	4,929,957
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	5,434,352	0
Pipeline/Compressor Fuel	66,739	207,988	1,171,358	381,057	6,316
Other Disposition	0	0	0	0	0
Unaccounted For	474,380	-6,434,861	3,015,962	260,578	-253,210
Total Disposition	31,829,368	198,910,288	200,724,794	107,478,739	8,210,263

Questar is a one-third owner in FuelMaker Corporation, which markets a vehicle refueling application for natural gas vehicles. It can refuel a vehicle in about 5 hours and can be located at a customer's home or business. Each unit can refuel either one or two vehicles,

so it is appropriate for use by small businesses for use in refueling their fleets as well as by householders who would use to it refuel their own automobiles. This refueling application is being marketed around the world.

Table 44. Questar Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Mountain Fuel Supply Co.	Overthrust Pipeline Co.
	Idaho	Wyoming
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	0	0
Transported/Exchange Gas	0	29,022,550
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	82,801	0
Storage Withdrawals	0	0
Received from Storage Operators	0	0
Other Supplies	0	0
Total Supplies	82,801	29,022,550
DISPOSITION		
Lease and Plant Use	0	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Exchange Gas Deliveries	0	29,094,097
Storage Injections	0	0
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	49,003	0
Commercial	33,798	0
Industrial	0	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	0	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Pipeline/Compressor Fuel	0	0
Other Disposition	0	0
Unaccounted For	0	-71,547
Total Disposition	82,801	29,022,550

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

**Table 45. Questar Corp. Interstate Flows of
Natural Gas, 1992**
(Thousand Cubic Feet)

Company and State	Volume
Questar Pipeline Co.	
Colorado To	
Utah	10,356,282
Wyoming	13,621,716
Utah To	
Colorado	288,876
Wyoming	31,777,441
Wyoming To	
Utah	88,719,833
Mountain Fuel Supply Co.	
Utah To	
Idaho	82,801

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

Sabine Pipe Line Co.

Sabine Pipe Line Company, a wholly owned subsidiary of Texaco Inc., is responsible for transporting natural gas from Henry, Louisiana to Port Arthur, Texas. In 1964, Sabine was originally created as a cost-of-service pipeline. From 1964 to the mid-1980's Sabine continued to transport primarily for Texaco and affiliated companies.

In 1987, a pipeline exchange was created near Henry, known as the Henry Hub, and Sabine became an open-access transporter. The Henry Hub is a major gas interchange center with 11 interconnecting pipeline systems that were put into service on May 1, 1988. Sabine and Texaco jointly own the hub facilities. In 1989, the

largest development of Sabine's history occurred when the New York Mercantile Exchange (NYMEX) designated the Henry Hub as a delivery location for their Natural Gas Futures Contract. NYMEX trading began on April 13, 1990.

The Houston-based HNG storage facility will provide up to 500 million British thermal units per day withdrawal capacity and in excess of 150 million British thermal units of injection capability to the Northeast and Southeast United States. The service will be available through direct connections to Sabine Pipe Line and its Henry Hub distribution system and several other pipelines.

Figure 34. Sabine Pipe Line Co., 1992

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

— Sabine Pipe Line Co.

Table 46. Sabine Pipe Line Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Sabine Pipe Line Co.		Riverway Gas Pipeline Co.	Bridgeline Gas Distribution Co.
	Louisiana	Texas	Louisiana	
SUPPLY				
Produced Onsystem	0	0	0	0
Receipts				
Purchases	0	0	0	97,070,088
Transported/Exchange Gas	144,069,351	11,071,552	7,029,449	160,545,668
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	4,970,543	5,754,910	0	0
Storage Withdrawals	0	0	0	7,857,861
Received from Storage Operators	0	0	0	0
Other Supplies	0	0	0	0
Total Supplies	149,039,894	16,826,462	7,029,449	265,473,617
DISPOSITION				
Lease and Plant Use	0	0	0	0
Returned to Formations	0	0	0	0
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	5,754,910	4,970,543	0	0
Exchange Gas Deliveries	0	0	0	66,820,911
Storage Injections	0	0	0	5,830,645
Deliveries of Company-owned Gas				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	0	0
To Resellers	0	0	0	0
To Consumers				
Residential	0	0	0	0
Commercial	0	0	0	0
Industrial	0	0	0	117,180,765
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	4,048,752	11,655,818
Transported for the Account of Others				
To Storage Operators	0	0	0	0
To Other Pipelines	143,951,993	11,506,485	0	0
To Resellers	0	0	0	0
To Consumers				
Residential	0	0	0	0
Commercial	0	0	0	0
Industrial	7,227	0	0	18,882,925
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	2,980,697	45,015,634
Pipeline/Compressor Fuel	0	0	0	0
Other Disposition	0	0	0	0
Unaccounted For	-674,236	349,434	0	86,919
Total Disposition	149,039,894	16,826,462	7,029,449	265,473,617

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

In September 1992, Sabine completed one interconnect to its system (Rio Bravo) to connect with Sabine's pipeline in Orange County, Texas. Sabine also operates 18.7 miles of offshore line and 173 miles of onshore mainline from Vermilion Parish, Louisiana, to Texaco's refinery in Jefferson County, Texas.

On August 25, 1992, Sabine facilities were forced to close for 1 day, due to the lack of supply caused by Hurricane Andrew. However, the facility suffered no major damage and resumed operation the following day.

San Diego Gas and Electric Co.

Founded in 1881, San Diego Gas & Electric is a public utility corporation, operating in the State of California. The company serves customers in both San Diego and Orange Counties in southern California. Electric energy is purchased, generated, and provided to 1,122,000 customers in both counties. Natural gas is purchased and distributed to 687,000 customers in San Diego County.

SDG&E purchases natural gas for resale to customers and also for fuel in electric generating plants. Gas is received through two transmission pipelines that have a combined nominal capacity of 400 million cubic feet per day. Spot-market suppliers and suppliers under

short-term contracts are the primary sources of SDG&E's natural gas.

SDG&E purchased 103 billion cubic feet of natural gas in 1992. Coming from suppliers in New Mexico, Oklahoma, and Texas, the gas was transported to SDG&E by El Paso Natural Gas, Transwestern Pipeline, and Southern California Gas Company.

After having been awarded 50 million cubic feet per day of interstate capacity on Pacific Gas Transmission's pipeline in 1991, SDG&E also formed other interstate contracts. SDG&E entered into four Canadian natural gas supply contracts. They also entered into transport-

Figure 35. San Diego Gas and Electric Co., 1992

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

Service Area

Table 47. San Diego Gas & Electric Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	San Diego Gas & Electric Co.	
	California	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	102,893,786	
Transported/Exchange Gas	8,499,706	
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals		12,479
Received from Storage Operators	12,980,830	
Other Supplies		0
Total Supplies	124,386,801	
DISPOSITION		
Lease and Plant Use		0
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries		0
Storage Injections	12,963	
Deliveries of Company-owned Gas		
To Storage Operators	11,500,837	
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	29,819,374	
Commercial	9,501,595	
Industrial	16,402,890	
Vehicle Fuel	8,356	
Electric Utilities	47,540,078	
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	633,456	
Commercial	2,091,863	
Industrial	5,577,989	
Vehicle Fuel		0
Electric Utilities		0
Pipeline/Compressor Fuel	280,048	
Other Disposition	6,548	
Unaccounted For	1,010,804	
Total Disposition	124,386,801	

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

tation agreements with Alberta Natural Gas, Pacific Gas Transmission, and Pacific Gas and Electric to transport gas from the Canadian border to the California border.

SDG&E along with Southern California Gas Company (SoCal) has put together a proposal to work with the Mexican Government in a program intended to improve the air quality in the Baja region. This region does not have access to natural gas, and the construction of a pipeline from SoCal's service territory could

provide the necessary resources. The benefits for SDG&E's customers if the project is approved are improved reliability, reduced air emissions in the San Diego air basin, and lowered rates.

SDG&E has also been active in promoting alternate fuel vehicles. It has been involved with electric, solar, and natural gas vehicles. During 1992, it opened 2 new public natural gas refueling stations. There are also 11 private refueling stations for companies that have their own fleets.

Southern California Gas Co.

Southern California Gas Company (SOCAL) is a public utility owning and operating the Nation's largest natural gas distribution system. The company provides gas service throughout Southern and Central California. The parent company of SOCAL, Pacific Enterprises, also owns Pacific Interstate Pipeline Company, which transports natural gas for resale to SOCAL. Pacific Interstate, in turn, owns Pacific Offshore Pipeline Company.

Pacific Enterprises' interstate transportation system primarily moves gas originating in Western Canada, while the offshore segments bring gas produced in the

Santa Barbara offshore area to the SOCAL distribution area, supplying 27 percent of the company's needs.

The SOCAL service area includes 535 communities within approximately 23,000 square miles. In addition to its direct service area, SOCAL delivers gas for resale to the distribution systems of Long Beach and the San Diego Gas and Electric Company.

In 1992, SOCAL and San Diego Gas and Electric proposed construction of a pipeline to transport natural gas from Southern California to Baja California. Government-owned electric utilities in the Mexican Baja region would be the customers for that gas.

Figure 36. Southern California Gas Co., 1992

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

Service Area

— Southern California Gas Co.

Table 48. Southern California Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Southern California Gas Co.	Pacific Offshore Pipeline Co.
	California	
SUPPLY		
Produced Onsystem	19,474	0
Receipts		
Purchases	107,332,013	12,608,055
Transported/Exchange Gas	180,909,500	0
Interstate Movements		
Company-owned Gas	253,263,970	0
Transported/Exchange Gas	459,786,411	0
Storage Withdrawals	128,106,333	0
Received from Storage Operators	0	0
Other Supplies	0	0
Total Supplies	1,129,417,701	12,608,055
DISPOSITION		
Lease and Plant Use	0	1,417,422
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Exchange Gas Deliveries	23,887,597	0
Storage Injections	113,727,723	0
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	11,213,704
To Consumers		
Residential	241,052,167	0
Commercial	64,404,452	0
Industrial	36,189,906	0
Vehicle Fuel	0	0
Electric Utilities	89,941	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	149,232,495	0
To Consumers		
Residential	2,868,276	0
Commercial	42,445,235	0
Industrial	217,897,841	0
Vehicle Fuel	0	0
Electric Utilities	220,551,576	0
Pipeline/Compressor Fuel	6,138,625	0
Other Disposition	0	0
Unaccounted For	10,931,867	-23,071
Total Disposition	1,129,417,701	12,608,055

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

SOCAL owns and operates underground natural gas storage facilities and continues to provide storage for all noncore customers on a bid basis. This allows the customers to purchase gas for injection into storage when prices are low and supplies plentiful, later withdrawing the volumes when prices are higher, supplies less plentiful, and their needs greater.

During 1992, SOCAL moved more than a trillion cubic feet of gas through its system for deliveries to end users and to resellers. Pacific Offshore Pipeline Company delivered 11 billion cubic feet of gas for resale by other companies. The company delivered 244 billion cubic feet, 106 billion cubic feet, and 253 billion cubic feet of gas to residential, commercial, and industrial consumers, respectively.

SOCAL continues to be actively involved with natural gas vehicles. The company added 130 GMC Sierra pickup trucks to its fleet during 1992. The Sierra is the first truck manufactured to operate on natural gas, rather than being retrofitted for natural gas. During 1993 the company added more small trucks to its fleet, making it one of the largest users of exclusively natural gas fueled trucks in the Nation. The company's fleet also includes natural gas fueled automobiles and vans.

The company itself maintains 6 refueling stations. During 1992, 18 other refueling stations were opened to provide high-speed fillups to various fleets and to the general public. In addition, one refueling facility was opened at a retail gasoline service station.

Southern Natural Gas Co.

Southern Natural Gas Company is a wholly owned subsidiary of Sonat Inc. Other subsidiaries of Sonat include the Citrus Corporation and South Georgia Natural Gas Company. Southern Natural Gas Company is the major pipeline supplier of natural gas to the Southeastern United States. The Citrus Corporation, 50-percent owned by Sonat, is involved in natural gas transmission and marketing. Florida Gas Transmission Company, a subsidiary of the Citrus Corporation, is the principal pipeline supplier of natural gas to Florida. Southern Natural Gas Company owns 50 percent of Bear Creek Storage Company and 100 percent of Sea Robin Pipeline Company.

Another Sonat subsidiary, Sonat Energy Services, provides natural gas marketing services through Sonat Marketing Company, and gathering and intrastate pipeline services through Sonat Intrastate Alabama, Inc. Sonat has an interest in approximately 14,000 miles of natural gas pipelines in Texas, Louisiana, Mississippi, Alabama, Georgia, Tennessee, and South Carolina.

During 1992, Southern Natural was successful in developing new markets within its service area. Deliveries of up to 20 million cubic feet of gas per day began to the world's second largest sulphur mine, located offshore Louisiana. Also, an application was filed with FERC to add approximately 40 million cubic feet of

Figure 37. Southern Natural Gas Co., 1992

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

Supply Areas
Service Area

— Southern Natural Gas Co.
- - South Georgia Natural Gas Co.

— Sea Robin Pipeline Co.

Table 49. Southern Natural Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Southern Natural Gas Co.					
	Texas	Louisiana	Mississippi	Alabama	Georgia	South Carolina
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	0	37,007,895	7,174,435	23,295,043	0	0
Transported/Exchange Gas	13,572,428	505,825,232	25,122,844	23,747,482	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	13,572,428	448,785,927	447,498,035	337,637,966	81,040,302
Storage Withdrawals	0	0	29,913,349	0	0	0
Received from Storage Operators	0	27,386,754	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	13,572,428	583,792,309	510,996,555	494,540,560	337,637,966	81,040,302
DISPOSITION						
Lease and Plant Use	0	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	13,572,428	448,785,927	447,498,035	337,637,966	86,639,023	0
Exchange Gas Deliveries	0	85,723,091	17,662,889	96,204,987	175,025,015	64,668,656
Storage Injections	0	0	31,963,212	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	22,044,926	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	37,573	2,534,396	28,708,814	61,069,967	14,041,208
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	9,313	17,896	301	538	0
Industrial	0	200	9,987	33,710	7,639	8
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	21,098,644	7,214,570	27,288,134	12,422,185	1,941,477
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	95,648	0	0
Pipeline/Compressor Fuel	0	3,803,795	3,741,015	3,779,702	1,263,056	0
Other Disposition	0	19,887	49,794	38,245	5,874	0
Unaccounted For	0	2,268,953	304,761	753,053	1,204,669	388,953
Total Disposition	13,572,428	583,792,309	510,996,555	494,540,560	337,637,966	81,040,302

firm daily capacity to northern Florida and southwestern Georgia, where demand is growing from electric generation and industrial customers.

Completing a fifth full year of its Cooperative Marketing Program in 1992, Southern Natural is actively working with its customers to develop additional gas demand in traditional markets. The funding and technical support for the development and commercialization of new technologies and gas usage, including gas-fueled cooling, industrial process application, natural gas vehicles, and residential heat pumps will be provided by this program.

The Sonat Energy Services Company entered the independent power generation business. A 50-50 joint venture that will construct, own, and operate natural gas-fueled independent power plants in the United

States, Canada, and Mexico was announced in June 1992 by Sonat and The AES Corporation.

Sonat Ventures Inc. made progress in natural gas vehicle (NGV) conversion and refueling, and packaged cogeneration. The Company is pursuing opportunities to open NGV refueling centers in Alabama, Florida, Georgia, and South Carolina. To reduce the cost of its electric and steam requirements through the installation of cogeneration systems, the company is working with industrial and commercial concerns in the Southeast.

Completion of a major expansion of Florida Gas Transmission's system is expected in late 1994. Phase III, a 530 million cubic feet per day expansion, is being constructed primarily for electric generation customers. It will increase firm capacity by almost 60 percent.

Table 49. Southern Natural Gas Co. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Southern Natural Gas Co.	Bear Creek Storage Co.	Sea Robin Pipeline Co.	South Georgia Natural Gas Co.		
	Tennessee	Louisiana		Alabama	Georgia	Florida
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	0	0	73,137	878,701	0	0
Transported/Exchange Gas	0	50,786,281	290,355,774	33,178,930	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	5,598,721	0	0	0	34,024,439	13,797,511
Storage Withdrawals	0	50,458,569	0	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	5,598,721	101,244,850	290,428,911	34,057,631	34,024,439	13,797,511
DISPOSITION						
Lease and Plant Use	0	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	0	0	0	34,024,439	13,797,511	0
Exchange Gas Deliveries	3,494,377	50,458,569	281,318,877	0	0	0
Storage Injections	0	50,786,281	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	2,077,473	0	0	0	832,262	50,479
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	12,963	2,473
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	9,107,973	0	0	0
To Resellers	0	0	0	0	13,245,110	11,204,156
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	6,008,500	2,476,018
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	13,492
Pipeline/Compressor Fuel	0	0	2,680	33,070	53,485	0
Other Disposition	0	0	0	0	0	0
Unaccounted For	26,871	0	-619	122	74,608	50,893
Total Disposition	5,598,721	101,244,850	290,428,911	34,057,631	34,024,439	13,797,511

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

Table 50. Southern Natural Gas Co.
Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume
Southern Natural Gas Co.	
Texas To	
Louisiana	13,572,428
Louisiana To	
Mississippi	448,785,927
Mississippi To	
Alabama	447,498,035
Alabama To	
Georgia	337,637,966
Georgia To	
South Carolina	81,040,302
Tennessee	5,598,721
South Georgia Natural Gas Co.	
Alabama To	
Georgia	34,024,439
Georgia To	
Florida	13,797,511

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

Southwest Gas Corp.

Southwest Gas Corporation (Southwest) provides natural gas transmission and distribution services in Arizona, Nevada, and California. Southwest purchases, distributes, and transports natural gas to approximately 897,000 residential, commercial, and industrial customers in Arizona, Nevada, and California.

The residential sector made up 93 percent of the company's total customer base in 1992. Communities served by Southwest include Las Vegas and Carson City in Nevada; Victorville, Barstow, and Big Bear in California; and Phoenix and Tucson in Arizona. During 1992 on a system-wide basis, more than 2,000 residential customers converted from other fuels to natural gas.

Southwest has a high market penetration in the new single-family housing market in its service area, capturing over 90 percent.

Early in 1993, Southwest's gas transmission and storage subsidiary, Paiute Pipeline Company, which provides transportation service of natural gas to Southwest and to the Washington Water Power Company and the Sierra Pacific Power Company, completed a \$33.3 million pipeline reinforcement project. The Paiute project included the upgrading of its three existing compressor stations, the installation of 12.4 miles of pipeline near Reno, 2.7 miles of pipeline in North Lake Tahoe, 1

Figure 38. Southwest Gas Corp., 1992

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

Service Areas

Table 51. Southwest Gas Corp. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Southwest Gas Corp.		
	Arizona	Nevada	California
SUPPLY			
Produced Onsystem	0	0	0
Receipts			
Purchases	296,543	0	7,337,857
Transported/Exchange Gas	54,973,833	3,478,458	1,414,819
Interstate Movements			
Company-owned Gas	0	1,669,556	0
Transported/Exchange Gas	0	72,998,940	836,045
Storage Withdrawals	0	154,741	0
Received from Storage Operators	0	0	182,107
Other Supplies	0	30,008	0
Total Supplies	55,270,376	78,331,703	9,770,828
DISPOSITION			
Lease and Plant Use	0	0	0
Returned to Formations	0	0	0
Interstate Movements			
Company-owned Gas	0	836,045	0
Transported/Exchange Gas	0	0	0
Exchange Gas Deliveries	0	0	0
Storage Injections	0	83,481	0
Deliveries of Company-owned Gas			
To Storage Operators	0	0	274,653
To Other Pipelines	0	0	0
To Resellers	34,331	0	0
To Consumers			
Residential	22,120,820	13,781,539	5,248,298
Commercial	19,515,912	9,653,833	2,064,298
Industrial	5,310,889	470,318	1,543,074
Vehicle Fuel	45,523	12,016	0
Electric Utilities	26,445	226,954	0
Transported for the Account of Others			
To Storage Operators	0	0	0
To Other Pipelines	0	0	0
To Resellers	0	15,663,166	0
To Consumers			
Residential	0	0	0
Commercial	1,486,030	1,658,152	23,911
Industrial	4,702,621	5,604,157	1,140,964
Vehicle Fuel	0	0	0
Electric Utilities	2,516,343	28,674,634	0
Pipeline/Compressor Fuel	0	68,697	0
Other Disposition	0	0	0
Unaccounted For	-488,538	1,598,711	-524,370
Total Disposition	55,270,376	78,331,703	9,770,828

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

mile of pipeline in South Lake Tahoe, and 26.3 miles of pipeline in the Elko, Nevada area.

Southwest also has taken a high-profile role in the promotion of natural gas vehicles (NGV) for fleet operations. Working with equipment manufacturers, fleet operators, and local governments, it helped to construct the first public NGV refueling station in Phoenix, Arizona. Through this facility, which was scheduled to go on line in late 1993, Southwest will provide natural gas to Phoenix and its surrounding jurisdictions.

The company is encouraging other service areas to develop public NGV refueling sites. At the end of 1992 nearly 1,000 NGV's were operating in the Southwest Gas service area. That total includes 600 of Southwest's own fleet.

Nevada Cogeneration Associates (NCA) opened two 85-megawatt cogeneration facilities which will both be supplied by Southwest Gas. The two facilities will require a supply of approximately 11 billion cubic feet of natural gas per year. The beneficiary of the electricity generated from these facilities will be Nevada Power Company. The resultant steam from the process will be sold to Georgia Pacific and PABCO Gypsum.

**Table 52. Southwest Gas Corp. Interstate Flows
of Natural Gas, 1992
(Thousand Cubic Feet)**

Company and State	Volume
Southwest Gas Corp.	
Arizona To Nevada	34,375,819
Nevada To California	836,045
Idaho To Nevada	40,292,677

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

Tenneco, Inc.

Tenneco Gas is one of the largest natural gas transmission companies in the United States. The company increased its natural gas deliveries in 1992 to 2.9 trillion cubic feet, due mainly to its two new pipelines: Kern River which links southwestern Wyoming with south-central California, and Iroquois, which moves Canadian gas to New England. Tenneco Gas' interstate pipeline operations include the pipeline systems of Tennessee Gas Pipeline, East Tennessee Natural Gas, and Midwestern Gas Transmission. Viking Gas Transmission, which had formerly been a part of Tenneco, was sold to Northern States Power Company in 1993. Tenneco now holds interests in more than 20,000 miles of pipeline in 31 States.

Construction was completed in 1992 on Tennessee Gas Pipeline's Electric Generation Transportation Project (ELGEN). This mainline looping and compression expansion project enables Tenneco to transport 51 million cubic feet of gas per day for independent power and generation plants in Massachusetts and New York.

Since Tenneco operates almost exclusively as an interstate transporter, it had relatively small volumes of deliveries to consumers in 1992. Tennessee Gas Pipeline delivered small volumes to commercial and industrial consumers in Texas, Louisiana, and Mississippi. In New York and Rhode Island, Tennessee Gas Pipeline delivered gas directly to independent power producers and

Figure 39. Tenneco, Inc., 1992

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

Supply Areas

— Tennessee Gas Pipeline Co.

— Midwestern Gas Transmission Co.

Table 53. Tenneco, Inc., Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Tennessee Gas Pipeline Co.				
	Texas	Louisiana	Arkansas	Mississippi	Alabama
SUPPLY					
Produced Onsystem	0	2,201,063	0	0	0
Receipts					
Purchases	14,480,770	34,628,034	0	180,341	2,740
Transported/Exchange Gas	343,234,155	1,068,584,118	0	11,604,982	10,436,338
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	326,208,858	368,012,427	1,088,734,094	476,926,317
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	35,175,597	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	357,714,925	1,466,797,670	368,012,427	1,100,519,417	487,365,395
DISPOSITION					
Lease and Plant Use	0	55,778	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	14,314,306	56,912,584	19,181,907	55,766,792	25,460,038
Transported/Exchange Gas	311,894,552	1,031,881,579	348,770,451	946,389,790	422,162,192
Exchange Gas Deliveries	3,258,529	106,504,435	0	14,665,019	333,232
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	29,240,702	0	0	0
To Other Pipelines	0	0	54,546	0	1,074,174
To Resellers	1,316	73,838	0	1,196,387	7,944
To Consumers					
Residential	0	0	0	0	0
Commercial	165,148	36,098	0	0	0
Industrial	0	0	0	75,200	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	204,773	0	0	0
To Other Pipelines	22,435,417	228,369,910	5,296	72,751,494	35,406,847
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	2,979,934	9,891,282	0	7,738,598	2,653,191
Other Disposition	0	0	0	0	0
Unaccounted For	2,665,723	3,626,691	227	1,936,137	267,777
Total Disposition	357,714,925	1,466,797,670	368,012,427	1,100,519,417	487,365,395

cogeneration facilities. East Tennessee Gas Co. delivered 20.4 billion cubic feet to commercial and industrial consumers in Tennessee. Channel Industries delivered 142.5 billion cubic feet of natural gas to industrial cus-

tomers in Texas. Creole Gas Pipeline Corp. sold and delivered 21.3 billion cubic feet of gas to industrial and electric utility consumers in Louisiana.

Table 53. Tenneco, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Tennessee Gas Pipeline Co.				
	Tennessee	Kentucky	Ohio	West Virginia	Pennsylvania
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	29,109	0	0
Transported/Exchange Gas	1,801,836	2,390,537	4,561,380	7,163,240	47,295,017
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	972,852,495	813,668,905	494,807,661	161,046,028	440,618,195
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	5,249,452	57,482,192
Other Supplies	0	0	0	0	0
Total Supplies	974,654,331	816,059,442	499,198,150	173,458,720	545,395,404
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	19,917,691	17,135,940	17,132,677	0	52,444,509
Transported/Exchange Gas	793,751,214	638,517,749	423,485,518	0	209,898,650
Exchange Gas Deliveries	1,400,687	3,937,156	6,460,686	290,096	1,769,999
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	3,695,445	17,585,176
To Other Pipelines	30,438,407	1,034,669	0	0	2,975,963
To Resellers	4,331,316	3,302,293	32,372	6,302	1,609,221
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	20,019,378
To Other Pipelines	116,892,826	143,103,822	47,700,713	169,249,803	233,553,113
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	6,322,435	6,602,660	3,326,768	0	4,687,376
Other Disposition	0	0	0	0	0
Unaccounted For	1,599,755	2,425,153	1,059,416	217,074	852,019
Total Disposition	974,654,331	816,059,442	499,198,150	173,458,720	545,395,404

Table 53. Tenneco, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Tennessee Gas Pipeline Co.					
	New York	New Jersey	Connecticut	Rhode Island	Massachusetts	New Hampshire
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	0	0	0	0	0	0
Transported/Exchange Gas	59,346,275	2,639,839	15,409,318	1,260,920	9,195,888	296,784
Interstate Movements						
Company-owned Gas	10,738,426	0	0	0	0	0
Transported/Exchange Gas	439,332,855	91,820,106	40,719,412	44,266,538	202,330,657	11,953,853
Storage Withdrawals	0	0	0	0	0	0
Received from Storage Operators	4,980,568	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	514,398,124	94,459,945	56,128,730	45,527,458	211,526,545	12,250,637
DISPOSITION						
Lease and Plant Use	0	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	59,250,544	17,691,534	0	0	23,291,829	0
Transported/Exchange Gas	181,356,360	26,924,938	0	0	37,705,513	0
Exchange Gas Deliveries	222,674	341,435	1,842,641	0	155,718	88,567
Storage Injections	0	0	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	2,303,274	0	0	0	0	0
To Other Pipelines	4,588,189	247,399	0	0	5,525,809	0
To Resellers	1,357,452	416,645	4,685,999	2,114,988	21,007,206	2,482,147
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	2,397,383	0	0	0	0	0
To Other Pipelines	246,796,429	48,577,926	49,455,929	7,163,950	122,622,602	9,579,327
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	4,975,131	0	0	36,241,320	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	2,754,655	179,281	5,738	40	584,243	0
Other Disposition	0	0	0	0	0	0
Unaccounted For	8,396,033	80,787	138,423	7,160	633,625	100,596
Total Disposition	514,398,124	94,459,945	56,128,730	45,527,458	211,526,545	12,250,637

Table 53. Tenneco, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Midwestern Gas Transmission Co.				Viking Gas Transmission Co.	
	Tennessee	Kentucky	Indiana	Illinois	North Dakota	Minnesota
SUPPLY						
Produced Onsystem	0	0	0	0	0	0
Receipts						
Purchases	31,856,416	0	0	37,761	0	0
Transported/Exchange Gas	82,986,800	211,873	0	10,674,842	82,640	2,947,756
Interstate Movements						
Company-owned Gas	0	0	0	0	0	14,230,888
Transported/Exchange Gas	0	112,611,307	107,348,098	101,686,938	7,391,120	122,898,503
Storage Withdrawals	0	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	114,843,216	112,823,180	107,348,098	112,399,541	7,473,760	140,077,147
DISPOSITION						
Lease and Plant Use	0	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	112,611,307	107,348,098	101,686,938	0	0	104,295,260
Exchange Gas Deliveries	0	0	0	0	0	0
Storage Injections	0	0	0	0	0	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	0
To Resellers	0	535,280	89,410	37,794,223	0	451,624
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	2,045,089	4,528,284	4,844,622	73,899,395	7,473,546	32,901,572
To Resellers	0	0	0	0	0	0
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Pipeline/Compressor Fuel	177,664	78,368	342,914	187,180	0	2,145,358
Other Disposition	0	0	0	0	0	0
Unaccounted For	9,156	333,150	384,214	518,743	214	283,333
Total Disposition	114,843,216	112,823,180	107,348,098	112,399,541	7,473,760	140,077,147

Table 53. Tenneco, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Viking Gas Transmission Co.	East Tennessee Natural Gas Co.		Channel Industries Gas Co.	Creole Gas Pipeline Corp.
	Wisconsin	Tennessee	Virginia	Texas	Louisiana
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	52,188,098	11,689,182	0	19,271,556
Transported/Exchange Gas	1,435,927	38,658,480	208,047	426,428,428	3,629,033
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	96,904,140	1,896,107	0	0	0
Storage Withdrawals	0	916,002	0	0	0
Received from Storage Operators	0	1,822,891	0	9,509,089	0
Other Supplies	0	0	0	0	0
Total Supplies	98,340,067	95,481,578	11,897,229	435,937,517	22,900,589
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	0	1,896,107	0	0
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	995,733	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	13,662,555	46,202,554	7,241,626	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	30,328	0	0	0
Industrial	0	10,877,255	0	0	15,491,059
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	6,775,356
Transported for the Account of Others					
To Storage Operators	0	0	0	8,710,579	0
To Other Pipelines	84,274,879	0	0	227,373,625	0
To Resellers	0	26,757,122	2,553,991	31,152	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	15,934	0
Industrial	0	9,531,471	0	142,520,903	398,909
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	54,341,376	0
Pipeline/Compressor Fuel	295,235	1,315,492	252,764	539,278	0
Other Disposition	0	0	0	8,930	0
Unaccounted For	107,398	-228,377	-47,259	2,395,740	235,265
Total Disposition	98,340,067	95,481,578	11,897,229	435,937,517	22,900,589

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

Table 54. Tenneco, Inc., Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume	Company and State	Volume
Tennessee Gas Pipeline Co.		Tennessee Gas Pipeline Co.	
Texas To		Massachusetts To	
Louisiana	326,208,858	Connecticut	2,443,165
Louisiana To		New Hampshire	26,241,492
Arkansas	368,012,427	Rhode Island	44,266,538
Mississippi	720,781,736		
Arkansas To		Midwestern Gas Transmission Co.	
Mississippi	367,952,358	Tennessee To	
Mississippi To		Kentucky	112,611,307
Alabama	476,926,317	Kentucky To	
Tennessee	525,230,265	Indiana	107,348,098
Alabama To		Indiana To	
Tennessee	447,622,230	Illinois	101,686,938
Tennessee To			
Kentucky	813,668,905	East Tennessee Natural Gas Co.	
Kentucky To		Virginia To	
Ohio	494,607,661	Tennessee	1,896,107
West Virginia	161,046,028		
Ohio To		Viking Gas Transmission Co.	
Pennsylvania	440,618,195	Canada To	
Pennsylvania To		Minnesota	137,129,391
New Jersey	91,820,106	Minnesota To	
New York	170,523,053	North Dakota	7,391,120
New York To		Wisconsin	96,904,140
Connecticut	38,276,247		
Massachusetts	202,330,657		
New Jersey To			
New York	44,616,472		

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

Transco Gas Co.

Transco Gas Company (Transco) is primarily engaged in natural gas pipeline services, natural gas and natural gas liquids processing and marketing, and power generation. Transco has investments in natural gas, oil and gas exploration and production, and coal mining and marketing operations.

Transco's pipeline business is principally conducted through Transcontinental Gas Pipe Line Corporation (TGPL) and Texas Gas Transmission Corporation. These companies buy, sell, and transport natural gas from the Gulf of Mexico and the Gulf Coast region to markets in the eastern half of the United States through their respective 10,000-mile and 6,200-mile interstate

pipeline systems. The company's markets include 11 Southeastern and Atlantic States, New York City, and Pennsylvania. TGPL has storage capacity in five underground storage fields and operates fields for others located near its pipeline system.

In 1992, Transco owned and operated a 95-mile intra-state pipeline with a 250 million cubic feet per day capacity from Alabama's Black Warrior Basin to the Transcontinental mainline. This coalbed methane project involved 500 wells and was designed to extract commercial quantities of natural gas from coal seams. In 1993, Transco sold its coldbed methane properties to one of its subsidiaries, TECO Coal Bed Methane.

Figure 40. Transco Gas Co., 1992

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

Supply Areas   **——** Transcontinental Gas Pipe Line Corp.   **——** Texas Gas Transmission Corp.

Table 55. Transco Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Transcontinental Gas Pipe Line Corp.				
	Texas	Louisiana	Mississippi	Alabama	Georgia
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	47,447,852	87,516,120	28,013,238	9,493,456	0
Transported/Exchange Gas	462,975,280	542,635,384	213,345,851	114,801,688	434,136
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	301,556,146	714,642,182	951,010,815	1,046,643,109
Storage Withdrawals	0	49,064,930	9,534,568	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	510,423,132	980,772,580	965,535,839	1,075,305,959	1,047,077,245
DISPOSITION					
Lease and Plant Use	3,740,738	19,754,165	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	301,556,146	714,642,182	951,010,815	1,046,643,109	984,908,269
Exchange Gas Deliveries	137,747,156	172,677,863	25,232	19,787	0
Storage Injections	0	47,405,797	8,837,145	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	0	0	11,225	37
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	32,040,609	15,803,727	0	0	6,343
To Resellers	32,856,114	5,646,726	289,665	19,016,592	56,739,133
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	2,482,369	4,842,120	5,372,982	9,615,246	5,423,463
Other Disposition	0	0	0	0	0
Unaccounted For	0	0	0	0	0
Total Disposition	510,423,132	980,772,580	965,535,839	1,075,305,959	1,047,077,245

For some time TGPL along with Texas Gas has provided unbundled services to its customers in compliance with FERC's Order 636, permitting customers full flexibility in purchasing gas from their supplier of choice while still accessing transportation and storage services provided by TGPL. In December 1992, TGPL and Texas Gas Transmission Corporation (Texas Gas) filed plans with FERC which would enable Transco to realign its gas-marketing business under a newly formed subsidiary, Transco Gas Marketing Company (T GMC). T GMC manages all gas-marketing operations, including the certified gas sales made by TGPL.

Texas Gas' main gas transmission system extends from the Louisiana Gulf Coast gas supply areas to Indiana and Ohio. Texas Gas also has indirect market access to Northeast markets through interconnections with Columbia Gas Transmission Corporation, Consoli-

dated Natural Gas Transmission Corporation (CNG), and Texas Eastern Transmission Corporation.

In 1992, Transco completed its TGPL, Texas Gas, and CNG project, one of the largest new projects to deliver natural gas to the northeast markets in over 20 years. Transco also formed a partnership with two interstate pipelines and three New York distribution companies to form the Liberty Pipeline Company. The Liberty Pipeline will be constructed between New Jersey and Long Island and will provide additional service for firm domestic gas in the New York City market area. Completion is scheduled for 1994. In addition, TGPL also plans to expand its upstream Leidy Line capacity to transport gas to the Liberty Pipeline.

In 1993, Transco announced two new Southeast expansion projects that would replace the original Blue Ridge proposal which was disapproved by FERC.

Table 55. Transco Gas Co. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Transcontinental Gas Pipe Line Corp.				
	South Carolina	North Carolina	Virginia	Maryland	Pennsylvania
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	0	0	0
Transported/Exchange Gas	0	0	1,169,892	0	176,994,625
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	984,908,269	937,086,015	752,237,271	679,963,114	667,211,458
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	984,908,269	937,086,015	753,407,163	679,963,114	844,206,083
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	937,086,015	752,237,271	679,963,114	667,211,458	590,357,870
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	7,092	7,264	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	4,372,624	518,082	24,557,272
To Resellers	43,483,043	178,616,582	63,358,355	10,450,380	212,849,348
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	1,804,256	0	0	0	12,095,357
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	2,527,863	6,224,898	5,713,070	1,783,194	4,346,236
Other Disposition	0	0	0	0	0
Unaccounted For	0	0	0	0	0
Total Disposition	984,908,269	937,086,015	753,407,163	679,963,114	844,206,083

These projects would go into service in three stages, including approximately 25 miles of replacement pipeline and looping; in addition to the installation of facilities to increase compression on the line by approximately 70,000 horsepower.

Upon approval by FERC, the first phase would provide 35 million cubic feet per day of incremental capacity by late 1995, and the final 50 million cubic feet per day by late 1996.

In 1992, Transco sold its Transco Energy Ventures (TEVCO) subsidiary to National Power America,

which owns and operates as well as develops and builds cogeneration and independent power plants. Transco also began the Hartwell project in Georgia, a 300-megawatt gas-fired cogeneration facility, and the Mecklenburg project, a 132 megawatt cogeneration plant in Virginia. Texas Gas began construction on a 424-megawatt cogeneration facility at Oyster Creek, Texas.

TGPL's total market area deliveries in 1992 were 17.4 billion cubic feet, slightly lower than 17.9 billion cubic feet in 1991. Deliveries for Texas Gas in 1992 totaled 1.8 billion cubic feet, slightly higher than the 1.6 billion cubic feet recorded in 1991.

Table 55. Transco Gas Co. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Transcontinental Gas Pipe Line Corp.		Texas Gas Transmission Corp.		
	New Jersey	New York	Texas	Louisiana	Arkansas
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	2,663,773	27,953,638	384,927
Transported/Exchange Gas	23,010,878	0	47,480,457	603,661,067	14,258,053
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	572,714,330	298,922,273	0	46,580,811	457,847,729
Storage Withdrawals	1,481,269	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	597,206,477	298,922,273	50,144,230	678,195,516	472,490,709
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	298,922,273	0	46,580,811	457,847,729	471,569,194
Exchange Gas Deliveries	0	0	17,576	23,312,722	0
Storage Injections	1,746,462	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	474,391
To Resellers	0	0	0	417,555	64,837
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	7,865,026	0	457,897	114,283,674	0
To Resellers	284,668,785	299,912,950	3,105,307	70,161,507	196,570
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	3,549,047	0	0	12,279,023	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	190,905
Pipeline/Compressor Fuel	454,884	0	0	1,066,259	0
Other Disposition	0	418,902	0	0	0
Unaccounted For	0	-1,409,579	-17,361	-1,172,953	-5,188
Total Disposition	597,206,477	298,922,273	50,144,230	678,195,516	472,490,709

Table 55. Transco Gas Co. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Texas Gas Transmission Corp.					
	Mississippi	Tennessee	Kentucky	Illinois	Indiana	Ohio
SUPPLY						
Produced Onsystem	0	0	2,227	0	0	0
Receipts						
Purchases	964,845	24,294	51,975	244	0	0
Transported/Exchange Gas	0	1,438,079	3,972,416	74	42,022	13,794
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	471,569,194	449,830,411	403,896,617	10,955,657	290,359,979	194,306,180
Storage Withdrawals	0	0	26,477,463	0	4,661,959	0
Received from Storage Operators	0	0	0	0	0	0
Other Supplies	0	0	0	0	0	0
Total Supplies	472,534,039	451,292,784	434,400,698	10,955,975	295,063,960	194,319,974
DISPOSITION						
Lease and Plant Use	0	0	0	0	0	0
Returned to Formations	0	0	0	0	0	0
Interstate Movements						
Company-owned Gas	0	0	0	0	0	0
Transported/Exchange Gas	449,830,411	403,896,617	290,359,979	0	205,261,837	0
Exchange Gas Deliveries	0	2,604	0	0	0	0
Storage Injections	0	0	33,429,753	0	4,580,694	0
Deliveries of Company-owned Gas						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	3,347,151	0	0	0	0	0
To Resellers	2,804,152	12,682,014	33,702,848	1,776,336	20,453,761	4,658,083
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	0	0	0	0
Industrial	0	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	0	0	0	0	0	0
Transported for the Account of Others						
To Storage Operators	0	0	0	0	0	0
To Other Pipelines	0	0	0	0	0	75,744,112
To Resellers	10,546,687	25,408,035	70,640,269	9,179,639	64,360,844	113,937,610
To Consumers						
Residential	0	0	0	0	0	0
Commercial	0	0	749,541	0	0	0
Industrial	0	8,718,810	4,762,045	0	686,580	1,347,445
Vehicle Fuel	0	0	0	0	0	0
Electric Utilities	4,730,878	0	0	0	0	0
Pipeline/Compressor Fuel	1,394,731	846,767	1,371,293	0	198,929	0
Other Disposition	0	0	0	0	0	0
Unaccounted For	-119,971	-262,063	-615,030	0	-478,685	-1,367,276
Total Disposition	472,534,039	451,292,784	434,400,698	10,955,975	295,063,960	194,319,974

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

Table 56. Transco Gas Co. Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume	Company and State	Volume
Transcontinental Gas Pipe Line Corp.		Texas Gas Transmission Corp.	
Texas To		Texas To	
Louisiana	301,556,146	Louisiana	46,580,811
Louisiana To		Louisiana To	
Mississippi	714,642,182	Arkansas	457,847,729
Mississippi To		Arkansas To	
Alabama	951,010,815	Mississippi	471,569,194
Alabama To		Mississippi To	
Georgia	1,046,643,109	Tennessee	449,830,411
Georgia To		Tennessee To	
South Carolina	984,908,269	Kentucky	403,896,617
South Carolina To		Kentucky To	
North Carolina	937,086,015	Indiana	290,359,979
North Carolina To		Indiana To	
Virginia	752,237,271	Illinois	10,955,657
Virginia To		Ohio	194,306,180
Maryland	679,963,114		
Maryland To			
Pennsylvania	667,211,458		
Pennsylvania To			
Delaware	17,643,540		
New Jersey	572,714,330		
New Jersey To			
New York	298,922,273		

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

Valero Energy Corp.

Valero Energy Corporation is a diversified firm that supplies natural gas to varied markets while also offering pipeline transportation services. The company's natural gas operations are handled by a network of subsidiaries operating in Texas. These subsidiaries, referred to as Valero Gas Partners Limited Partnership (VGP LP), operate a 7,200-mile network of gathering, transmission, and distribution pipelines within Texas. Other natural gas operations within the State include gas processing, underground storage, and distribution to consumers. VGP LP's network of pipelines give Valero access to gas from all producing areas in Texas except the Panhandle region and to gas produced in Oklahoma.

In 1991, Mexico adopted new air pollution regulations which forced power generation and industrial users to burn more natural gas. In 1992 Valero Gas Pipeline LP completed a 3.5-mile pipeline link beneath the Rio Grande River to allow Valero to export up to 400 million cubic feet of gas per day to Mexico's Petroleos Mexicanos (PEMEX). PEMEX is Mexico's State controlled oil company. This is the largest capacity pipeline connection to Mexico built to date, and Valero delivers more gas to Mexico than any other exporter in the United States.

Figure 41. Valero Energy Corp., 1992

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

— Valero Energy Corp.

Table 57. Valero Energy Corp. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Valero Interstate Transmission Co.	Valero Transmission Limited Partnership	Valero Gas Storage	Val Gas Limited Partnership	V.H.C. Pipeline Limited Partnership
	Texas				
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	8,232,653	22,347,722	0	12,847,258	0
Transported/Exchange Gas	59,867,056	736,440,322	15,828,250	15,639,447	9,645,536
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	0	0	0	0
Storage Withdrawals	0	0	15,638,301	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	68,099,709	758,788,044	31,466,551	28,486,705	9,645,536
DISPOSITION					
Lease and Plant Use	0	1,144,892	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	22,772,718	0	0	0
Exchange Gas Deliveries	502,143	15,826,833	15,638,301	0	0
Storage Injections	0	0	15,828,250	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	8,232,653	0	0	0	0
To Resellers	0	21,703,316	0	739,161	0
To Consumers					
Residential	0	3,255	0	0	0
Commercial	0	37,498	0	0	0
Industrial	0	146,416	0	3,201,194	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	6,753,210	0	6,809,183	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	59,125,892	572,731,015	0	15,639,447	9,645,536
To Resellers	0	0	0	1,845,911	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	3,085,978	0	0	0
Industrial	0	19,018,306	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	93,216,372	0	0	0
Pipeline/Compressor Fuel	143,867	5,525,248	0	66,550	0
Other Disposition	0	0	0	0	0
Unaccounted For	95,154	-3,177,013	0	185,259	0
Total Disposition	68,099,709	758,788,044	31,466,551	28,486,705	9,645,536

Gas in Valero's pipelines flow from the company's East Texas supply areas to interconnections with interstate pipelines serving markets in the Northeastern United States. Valero has 34 interconnections with 12 interstate pipelines in Texas.

Valero reported lower than normal gas sales in 1990 due to unusually warm weather and due to the startup of two nuclear generating plants. Sales in 1991 and 1992 continued at low levels which, according to Valero, are due to excess pipeline capacity and surplus deliverability. Valero notes that more gas-fired power plants are being built in the United States, a reversal from the trend of building coal-fired or nuclear plants. The company states that potential demand for natural gas to generate electricity could increase by 60 percent by 1996.

The subsidiaries that comprise VGP LP are Valero Interstate Transmission Co.; Valero Transmission Limited Partnership; Valero Gas Storage; Val Gas Limited Partnership; V.H.C. Pipeline Limited Partnership; Val Gas Co.; Val Gathering Limited Partnership; and Rio Grande Valley Gas Co.

Valero Transmission Limited Partnership, the largest of Valero's natural gas subsidiaries, reported total supplies of 759 billion cubic feet in 1992. The largest portion, almost 75 percent, was delivered to other pipelines in the State. Deliveries to consumers, both company-owned gas and gas delivered for the account of others, totaled 122 billion cubic feet, or 16 percent of supply.

Other Valero subsidiaries were engaged primarily in intrastate transportation of natural gas with deliveries to interconnections with interstate pipeline companies

Table 57. Valero Energy Corp. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Val Gas Co.	Val Gathering Limited Partnership
	Texas	
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	80,170	0
Transported/Exchange Gas	4,727,883	19,167,255
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Storage Withdrawals	0	0
Received from Storage Operators	0	0
Other Supplies	0	0
Total Supplies	4,808,053	19,167,255
DISPOSITION		
Lease and Plant Use	0	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Exchange Gas Deliveries	0	0
Storage Injections	0	0
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	80,170	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	0	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	4,727,883	19,167,255
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	0	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Pipeline/Compressor Fuel	0	0
Other Disposition	0	0
Unaccounted For	0	0
Total Disposition	4,808,053	19,167,255

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

serving markets nationwide. Valero Gas Storage operates an underground natural gas storage field located in Wharton County, Texas. Val Gas Limited Partner-

ship reported sales to electric utility and industrial consumers.

Washington Gas Light Co.

Washington Gas Light Company has been providing services to the Washington, D.C., area for over 100 years. The service area of Washington Gas and its subsidiaries spans from West Virginia in the Shenandoah Mountains to Maryland east of the Chesapeake Bay. This area includes the District of Columbia, suburban Maryland, and Northern Virginia. Natural gas service is provided to over 680,000 customer meters. The Winchester, Virginia and Martinsburg, West Virginia service areas are covered by the Shenandoah Gas distribution subsidiary. Frederick Gas (another subsidiary) serves the Frederick, Maryland area.

The majority of Washington Gas' business is based on sales to residential and small commercial customers. Sales to apartments, universities, government, and hospital buildings comprise the large commercial business for the company. Five percent of Washington Gas' annual sales during 1992 were purchased by the Potomac Electric Power Company for electricity generation.

Washington Gas provides a substantial amount of gas to the Federal Government. Government policies are encouraging the increased use of natural gas. Most notably, the clean air legislation is having an impact on

Figure 42. Washington Gas Light Co., 1992

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

Service Areas

Table 58. Washington Gas Light Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Washington Gas Light Co.			Shenandoah Gas Co.	
	Virginia	D.C.	Maryland	Virginia	West Virginia
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	15,814,023	0	26,100,376	1,632,705	0
Transported/Exchange Gas	53,058,324	155,032	36,116,200	3,420,787	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	33,421,602	6,631,289	0	2,198,435
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	13,997	0	36,830	0	0
Total Supplies	68,886,344	33,576,634	68,884,695	5,053,492	2,198,435
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	2,198,435	0
Transported/Exchange Gas	28,706,841	0	11,346,050	0	0
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	0	3,010	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	0	0	0	0
To Consumers					
Residential	25,080,604	16,587,064	33,457,606	443,392	226,804
Commercial	13,296,253	15,948,225	16,291,544	2,248,046	1,895,806
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	6,631,289	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	0	0	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	890,008	155,032	170,780	67,248	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	181,310	266,305	42,392	6,575	2,487
Other Disposition	0	0	0	0	0
Unaccounted For	731,328	620,008	942,024	89,796	73,338
Total Disposition	68,886,344	33,576,634	68,884,695	5,053,492	2,198,435

the use of natural gas. Vehicle fleets are presently being converted to natural gas and other alternative fuels.

Three natural gas pipelines serve Washington Gas. Columbia Gas Transmission's pipeline goes through the Virginia, Maryland, and West Virginia portions of Washington Gas' service area. CNG Transmission's pipeline goes through the Frederick, Maryland, and Northern Virginia portions of the companies' service area. Transco's pipeline goes through the Virginia and Maryland portions of the companies' service area. Columbia Gas Transmission has filed for bankruptcy and therefore is operating under federal bankruptcy laws. This action has produced no adverse effects in their service to Washington Gas. The bankruptcy court's approval of the rejection of high-cost gas contracts has resulted in reduced cost of gas provided by Columbia Gas Transmission.

Washington Gas is able to meet nearly two-thirds of its extreme weather needs from storage and from company-owned facilities. Washington Gas owns two propane-air plants for peak needs and a gas storage facility in Hampshire, West Virginia.

Washington Gas worked with local organizations (both Government and private) in the Washington, D.C. metropolitan area, to encourage the use of natural gas vehicles. The company joined with Mobil Oil to open a public natural gas refueling station in Virginia; consulted with Arlington County in Virginia to convert seven of its fleet vehicles to natural gas; and worked with the Washington Metropolitan Area Transit Authority to pilot test 29 of its support service vehicles on natural gas. Washington, D.C. Public Schools acquired 10 natural gas powered school buses for its fleet. The buses were purchased through a U.S. Department of Energy grant.

Table 58. Washington Gas Light Co. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Frederick Gas Co.	Hampshire Gas Co.
	Maryland	West Virginia
SUPPLY		
Produced Onsystem	0	0
Receipts		
Purchases	1,042,554	0
Transported/Exchange Gas	2,278,602	1,697,999
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Storage Withdrawals	0	1,720,601
Received from Storage Operators	0	0
Other Supplies	0	0
Total Supplies	3,321,156	3,418,600
DISPOSITION		
Lease and Plant Use	0	0
Returned to Formations	0	0
Interstate Movements		
Company-owned Gas	0	0
Transported/Exchange Gas	0	0
Exchange Gas Deliveries	0	0
Storage Injections	0	1,697,999
Deliveries of Company-owned Gas		
To Storage Operators	0	0
To Other Pipelines	0	1,674,437
To Resellers	0	0
To Consumers		
Residential	664,982	0
Commercial	841,851	0
Industrial	1,792,880	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Transported for the Account of Others		
To Storage Operators	0	0
To Other Pipelines	0	0
To Resellers	0	0
To Consumers		
Residential	0	0
Commercial	0	0
Industrial	0	0
Vehicle Fuel	0	0
Electric Utilities	0	0
Pipeline/Compressor Fuel	0	46,164
Other Disposition	0	0
Unaccounted For	21,443	0
Total Disposition	3,321,156	3,418,600

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

**Table 59. Washington Gas Light Co.
Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)**

Company and State	Volume
Washington Gas Light Co.	
Virginia To	
D.C.	22,075,552
Maryland	6,631,289
Maryland To	
D.C.	11,346,050

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

Western Resources, Inc.

In March 1992, the Kansas Power and Light Company officially merged with Kansas Gas and Electric. As a result of the merger, the two utility companies were renamed Western Resources, Inc. In this agreement, Kansas Gas and Electric became a wholly owned subsidiary of Western Resources.

The company is a combination natural gas and electric utility, serving customers in Kansas, Missouri, and Oklahoma. The company has a wholly owned subsidiary, Astra Resources, that is involved in several separate energy-related activities. These include Rangeline Corporation, a gas marketer; Contract Compression, a provider of natural gas compression service

for producers in New Mexico, Texas, Louisiana, the Gulf of Mexico, and Mississippi; and TRIARK Gas Gathering, a provider of gas gathering and processing services in the Arkoma Basin.

Western Resources, Inc., operates an intrastate natural gas transmission pipeline system in Kansas and purchases from interstate pipeline companies for distribution in the three States where it conducts business. Western owns a natural gas underground storage field in south central Kansas and leases other storage capacity in Michigan.

Figure 43. Western Resources, Inc., 1992

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

Service Area

— Western Resources, Inc.

Table 60. Western Resources Inc., Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Western Resources, Inc.		
	Kansas	Missouri	Oklahoma
SUPPLY			
Produced Onsystem	0	0	0
Receipts			
Purchases	76,952,785	63,816,380	3,790,925
Transported/Exchange Gas	40,618,250	26,238,919	934,437
Interstate Movements			
Company-owned Gas	0	0	0
Transported/Exchange Gas	0	0	0
Storage Withdrawals	984,019	0	0
Received from Storage Operators	4,223,991	0	0
Other Supplies	0	0	0
Total Supplies	122,779,045	90,055,299	4,725,362
DISPOSITION			
Lease and Plant Use	116,329	0	0
Returned to Formations	0	0	0
Interstate Movements			
Company-owned Gas	0	0	0
Transported/Exchange Gas	0	0	0
Exchange Gas Deliveries	0	0	0
Storage Injections	974,515	0	0
Deliveries of Company-owned Gas			
To Storage Operators	3,300,443	0	0
To Other Pipelines	0	0	0
To Resellers	80,013	0	0
To Consumers			
Residential	50,100,113	40,455,888	2,716,717
Commercial	19,800,360	19,753,956	783,253
Industrial	910,164	1,126,364	6,748
Vehicle Fuel	0	0	0
Electric Utilities	36,936	134,027	0
Transported for the Account of Others			
To Storage Operators	0	0	0
To Other Pipelines	0	0	0
To Resellers	1,272,299	0	0
To Consumers			
Residential	0	0	0
Commercial	7,145,426	5,149,290	217,029
Industrial	29,778,066	20,162,588	717,408
Vehicle Fuel	0	0	0
Electric Utilities	2,686,495	927,041	0
Pipeline/Compressor Fuel	1,706,181	0	0
Other Disposition	0	0	0
Unaccounted For	4,871,705	2,346,145	284,207
Total Disposition	122,779,045	90,055,299	4,725,362

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

Natural gas is distributed by Western Resources in Kansas, Missouri, and Oklahoma in 519 communities with slightly more than 1 million customers. In 1992, the company delivered 92 billion cubic feet of natural gas to residential customers, 52 billion cubic feet to commercial customers, and 52 billion cubic feet to industrial customers. In addition, they also delivered a small volume to resellers in Kansas.

Western Resources provides natural gas to an Amoco-run retail compressed natural gas (CNG) fueling sta-

tion. Presently, the company includes a fleet of 21 dedicated natural gas fueled vehicles and expects to add 40 to 50 more natural gas vehicles through normal replacements in 1993.

Western Resources has agreed to sell its Missouri natural gas properties and operations to Southern Union Gas. The service area covers 460,000 Missouri customers, about 42 percent of the existing customer base of Western Resources.

The Williams Companies, Inc.

The Williams Companies, Inc., provides regional pipeline, gathering, and processing services. Its natural gas subsidiaries include Northwest Pipeline Corporation and Williams Natural Gas Co. It also owns 50 percent of Kern River Pipeline Co. In addition, it owns 2 gas gathering and processing systems located in the San Juan Basin of New Mexico and Colorado and the Rocky Mountain producing area of Wyoming.

Northwest Pipeline is a 3,500-mile pipeline system that connects Canada and the Pacific Northwest with the Rocky Mountain area. Kern River provides gas supplies to the California market. Northwest completed a mainline expansion to 2.5 billion cubic feet in 1993 and

is planning a second expansion in 1995. Kern River will also be expanded by up to 30 percent by adding compression. Kern River first went into operation in February 1992 and by July 1992 was operating at full capacity.

The Manzaneros and Opal gas gathering and processing facilities serving the San Juan Basin of Colorado and New Mexico and south west Wyoming, respectively have expanded. Processing capacity on each of the systems has expanded to 575 million cubic feet per day. Prior to the expansion the Manzaneros had a processing capacity of 440 million cubic feet per day and the Opal facility had a capacity of 425 million cubic feet per

Figure 44. The Williams Companies, Inc., 1992

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

Supply Areas

— Northwest Pipeline Corp.
- - Williams Gas Marketing Co.

— Williams Natural Gas Co.
... Kern River Pipeline

Table 61. The Williams Companies, Inc., Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Williams Natural Gas Co.				
	Texas	Oklahoma	Wyoming	Colorado	Kansas
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	6,877,224	39,604,503	4,345,325	740,679	22,938,584
Transported/Exchange Gas	12,938,942	75,638,085	46,387,623	2,776,440	170,376,637
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	4,556,293	39,101,368	0	46,019,777	151,624,314
Storage Withdrawals	0	10,516,097	0	0	40,000,601
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	24,372,459	164,860,053	50,732,948	49,536,896	384,940,136
DISPOSITION					
Lease and Plant Use	213,535	122,548	252,243	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	17,529,199	119,761,277	46,019,777	49,149,545	104,553,421
Exchange Gas Deliveries	1,573,070	1,082,615	658,301	0	4,615,332
Storage Injections	0	10,576,856	0	0	35,949,970
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	82	2,114,613	0	17,169	29,801,457
To Consumers					
Residential	4,203	14,460	0	0	31,300
Commercial	355	25,866	0	0	75,814
Industrial	7,797	31,257	0	0	833,659
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	34,590
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	4,492,062	22,825,412	3,186,858	6,575	143,980,322
To Consumers					
Residential	0	0	0	0	0
Commercial	0	140,935	0	0	95,443
Industrial	21,129	5,062,250	0	0	51,873,614
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	3,389,658
Pipeline/Compressor Fuel	433,904	2,402,181	494,796	295,898	8,255,262
Other Disposition	0	0	0	0	0
Unaccounted For	97,123	699,763	120,973	67,709	1,450,294
Total Disposition	24,372,459	164,860,053	50,732,948	49,536,896	384,940,136

day. The Opal plant feeds a hub serving 3 pipeline companies including Kern River. The hub at Blanco, New Mexico serves 4 pipelines and is fed by the Manzanares system. Williams is planning to expand the Milagro processing plant on the Manzanares system to 750 million cubic feet per day to help meet the demand at the Blanco hub.

Williams Natural Gas Company serves seven mid-continent States. The company operates a 9,300-mile pipeline system receiving supplies from Wyoming, Kansas, Oklahoma, Colorado, and Texas. Gathering, storing, and transporting natural gas are the major in-

terests of the company. Amoco Production Company is Williams Natural Gas Company's largest supplier. In December 1992 these two companies extended an agreement that ensures that Amoco will continue to supply gas on this pipeline.

William's gas storage facilities are among the largest in the gas industry. A horizontal well was constructed at one of William's storage fields in Kansas. Preliminary tests indicate a significant increase in this wells' deliverability when compared to that of conventional vertical wells.

Table 61. The Williams Companies, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Williams Natural Gas Co.		Northwest Pipeline Corp.		
	Missouri	Nebraska	Washington	Oregon	Idaho
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	59,624	0	0	0	0
Transported/Exchange Gas	212,628	0	7,493,053	93,426,789	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	95,323,097	885,314	270,477,206	91,531,105	101,735,317
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	18,786,209	0	0
Other Supplies	0	0	0	0	0
Total Supplies	95,595,349	885,314	296,756,468	184,957,894	101,735,317
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	496,944	0	91,531,105	101,735,317	54,412,653
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	5,406,774	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	33,244,716	235,689	16,526,359	822,482	1,256,454
To Consumers					
Residential	4,597	0	0	0	0
Commercial	31,526	0	0	0	0
Industrial	13,239	3,418	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	492	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	6,083,030	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	60,349,759	645,213	168,526,582	77,540,914	45,883,104
To Consumers					
Residential	0	0	0	0	0
Commercial	14,630	0	0	0	0
Industrial	1,209,866	0	8,536,425	4,855,485	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	65,993	0	563,369	172,922	361,165
Other Disposition	0	0	0	0	0
Unaccounted For	163,587	994	-417,176	-169,226	-178,059
Total Disposition	95,595,349	885,314	296,756,468	184,957,894	101,735,317

Table 61. The Williams Companies, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Northwest Pipeline Corp.				Williams Gas Marketing Co.
	Wyoming	Utah	Colorado	New Mexico	Oklahoma
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	2,237,991	0	0	0	873,669
Transported/Exchange Gas	218,740,462	6,473,592	44,718,619	86,055,737	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	14,119,976	44,074,225	77,702,975	0	0
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	13,891,164	0	0	0
Other Supplies	0	0	0	0	0
Total Supplies	235,098,429	64,438,981	122,421,594	86,055,737	873,669
DISPOSITION					
Lease and Plant Use	2,834,665	0	5,326,885	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	44,074,225	54,498,936	0	23,204,039	0
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	3,310,111	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	15,865	15,831	131,391	0	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	1,925	0	1,169	0	873,669
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	1,763,791	0	0	0
To Other Pipelines	182,639,683	0	93,079,296	52,894,427	0
To Resellers	4,373,176	4,715,988	22,193,433	8,734,621	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Pipeline/Compressor Fuel	1,547,242	154,470	1,938,300	1,350,499	0
Other Disposition	0	0	0	0	0
Unaccounted For	-388,352	-20,146	-248,880	-127,849	0
Total Disposition	235,098,429	64,438,981	122,421,594	86,055,737	873,669

Table 61. The Williams Companies, Inc., Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Kern River Gas Transmission Co.				Louisiana Resources Co.
	Wyoming	Utah	Nevada	California	Louisiana
SUPPLY					
Produced Onsystem	0	0	0	0	0
Receipts					
Purchases	0	0	0	0	3,536
Transported/Exchange Gas	187,429,255	0	0	0	312,286,188
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	0	186,226,122	185,230,734	179,996,223	0
Storage Withdrawals	0	0	0	0	0
Received from Storage Operators	0	0	0	0	0
Other Supplies	0	7,490	119,324	1,354,419	0
Total Supplies	187,429,255	186,233,612	185,350,058	181,350,642	312,289,724
DISPOSITION					
Lease and Plant Use	0	0	0	0	0
Returned to Formations	0	0	0	0	0
Interstate Movements					
Company-owned Gas	0	0	0	0	0
Transported/Exchange Gas	186,226,122	185,230,734	179,996,223	0	0
Exchange Gas Deliveries	0	0	0	0	0
Storage Injections	0	0	0	0	0
Deliveries of Company-owned Gas					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	0
To Resellers	0	0	0	0	3,536
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	0	0
Transported for the Account of Others					
To Storage Operators	0	0	0	0	0
To Other Pipelines	0	0	0	0	310,828,864
To Resellers	113,183	484,168	1,986,959	99,791,894	0
To Consumers					
Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	2,965,314	60,302,905	0
Vehicle Fuel	0	0	0	0	0
Electric Utilities	0	0	0	21,078,981	0
Pipeline/Compressor Fuel	971,648	513,696	401,562	0	795,179
Other Disposition	118,302	5,014	0	176,862	67,095
Unaccounted For	0	0	0	0	595,050
Total Disposition	187,429,255	186,233,612	185,350,058	181,350,642	312,289,724

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

Table 62. The Williams Companies, Inc., Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)

Company and State	Volume	Company and State	Volume
Williams Natural Gas Co.			
Texas To			
Oklahoma	17,529,199	Northwest Pipeline Corp.	
Oklahoma To		Washington To	
Kansas	102,474,769	Oregon	91,531,105
Missouri	12,730,215	Oregon To	
Texas	4,556,293	Idaho	101,735,317
Wyoming To		Idaho To	
Colorado	46,019,777	Nevada	40,292,677
Colorado To		Wyoming	14,119,976
Kansas	49,149,545	Wyoming To	
Kansas To		Utah	44,074,225
Missouri	82,592,882	Utah To	
Nebraska	885,314	Colorado	54,498,936
Oklahoma	21,075,225	New Mexico To	
Missouri To		Colorado	23,204,039
Oklahoma	496,944		
Northwest Pipeline Corp.		Kern River Gas Transmission Co.	
Canada To		Wyoming To	
Washington	270,477,206	Utah	186,226,122
		Utah To	
		Nevada	185,230,734
		Nevada To	
		California	179,996,223

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

Williston Basin Interstate Pipeline Co.

Williston Basin Interstate Pipeline Company is a wholly owned subsidiary of MDU Resources Group, Inc. MDU has five subsidiary companies: Montana-Dakota Utilities Company, Knife River Coal Mining Company, Prairielands Energy Marketing, Inc., Fidelity Oil Group, and Williston Basin Interstate Pipeline Company. These companies are involved in electric and natural gas services, coal and aggregate mining operations, energy marketing, oil and natural gas production and natural gas pipelines.

Natural gas production, sales to resellers, and underground storage are Williston Basin's primary activities. In 1993, the natural gas transportation services, pro-

vided through Williston Basin's pipeline system, will extend into Canada in addition to the current services in Montana, North Dakota, South Dakota and Wyoming. Six other pipeline systems located in Wyoming, Montana, and North Dakota, are connected to the Williston Basin system, extending the transportation of natural gas supplies throughout the Nation.

The company owns and operates over 4,100 miles of pipeline, and 29 compressor stations. The five natural gas basins, from which natural gas supplies are produced from owned reserves or acquired from producers and processors, are located near the Williston Basin system.

Figure 45. Williston Basin Interstate Pipeline Co., 1992

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

Supply Areas
Service Area

Williston Basin Interstate Pipeline Co.

Table 63. Williston Basin Interstate Pipeline Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Williston Basin Interstate Pipeline Co.			
	Montana	North Dakota	South Dakota	Wyoming
SUPPLY				
Produced Onsystem	0	0	0	0
Receipts				
Purchases	5,258,741	3,975,283	262,860	7,411,496
Transported/Exchange Gas	7,629,860	29,583,704	751,147	7,627,823
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	21,604,747	10,880,480	6,969,268	14,427,862
Storage Withdrawals	18,158,251	0	0	10,908,974
Received from Storage Operators	0	0	0	0
Other Supplies	0	0	0	0
Total Supplies	52,649,599	44,439,467	7,983,275	40,376,155
DISPOSITION				
Lease and Plant Use	0	68,375	0	74,822
Returned to Formations	0	0	0	0
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	31,612,171	13,353,173	665,439	8,251,574
Exchange Gas Deliveries	0	0	0	0
Storage Injections	6,026,623	0	0	2,123,274
Deliveries of Company-owned Gas				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	0	0
To Resellers	4,775,405	6,936,640	2,408,865	1,867,869
To Consumers				
Residential	0	0	0	0
Commercial	0	0	0	0
Industrial	0	0	0	0
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	0	0
Transported for the Account of Others				
To Storage Operators	0	0	0	0
To Other Pipelines	48,609	13,334,697	0	24,836,345
To Resellers	7,685,591	9,368,596	4,353,196	2,897,203
To Consumers				
Residential	0	0	0	0
Commercial	0	0	0	0
Industrial	47,191	1,127,387	499,466	4,848
Vehicle Fuel	0	0	0	0
Electric Utilities	0	0	0	0
Pipeline/Compressor Fuel	1,634,481	388,637	60,890	623,230
Other Disposition	0	0	0	0
Unaccounted For	819,528	-138,038	-4,581	-303,010
Total Disposition	52,649,599	44,439,467	7,983,275	40,376,155

During 1992 Williston Basin began a pipeline construction project to link its pipeline with Canadian natural gas supply sources. Williston Basin also increased its market by including eastern North Dakota. The link with this area was accomplished by the construction of a 49-mile extension to the pipeline.

Montana was the primary supplier of natural gas for Williston Basin in 1992, with 52.6 billion cubic feet. Natural gas transported for others to pipelines and resellers accounted for a significant portion (51 percent) of the 44.4 billion cubic feet of gas supplied to North Dakota markets.

In the Wyoming markets more than one-half of the gas transported by Williston Basin was for other pipelines.

In the South Dakota markets 55 percent of Williston's operations were dedicated to the transportation of gas for resellers.

In October 1992, Williston Basin began sales of the natural gas inventory held under a repurchase commitment. From its inception through the end of 1992, approximately 7 percent of the total volume was sold, and sales are continuing in 1993.

The Montana-Dakota Utilities Company has 10 natural gas vehicle refueling stations operating in its service area. Over 400 natural gas vehicles are operating by natural gas supplied through these refueling stations. Four additional refueling stations were planned in the region in 1993.

Table 63. Williston Basin Interstate Pipeline Co. Natural Gas Data, 1992 (Continued)
(Thousand Cubic Feet)

Supply/Disposition	Montana-Dakota Utilities Co.			
	Montana	North Dakota	South Dakota	Wyoming
SUPPLY				
Produced Onsystem	0	0	0	0
Receipts				
Purchases	8,274,314	11,776,303	4,414,490	1,848,103
Transported/Exchange Gas	4,209,059	4,516,279	2,347,511	1,941,184
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	0	0	0
Storage Withdrawals	0	0	0	0
Received from Storage Operators	0	0	0	0
Other Supplies	0	0	0	0
Total Supplies	12,483,373	16,292,582	6,762,001	3,789,287
DISPOSITION				
Lease and Plant Use	0	0	0	0
Returned to Formations	0	0	0	0
Interstate Movements				
Company-owned Gas	0	0	0	0
Transported/Exchange Gas	0	0	0	0
Exchange Gas Deliveries	0	0	0	0
Storage Injections	0	0	0	0
Deliveries of Company-owned Gas				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	0	0
To Resellers	0	0	0	0
To Consumers				
Residential	5,154,432	7,344,247	2,637,001	1,076,678
Commercial	2,694,191	3,991,098	1,480,454	691,414
Industrial	24,387	38,499	157,613	29,389
Vehicle Fuel	2,107	3,422	4,806	8
Electric Utilities	12,465	4,736	0	0
Transported for the Account of Others				
To Storage Operators	0	0	0	0
To Other Pipelines	0	0	0	0
To Resellers	0	0	0	0
To Consumers				
Residential	0	0	0	0
Commercial	262,512	2,070,317	911,490	53,818
Industrial	3,847,558	2,445,962	727,251	1,887,366
Vehicle Fuel	0	0	0	0
Electric Utilities	98,989	0	708,770	0
Pipeline/Compressor Fuel	0	0	0	0
Other Disposition	0	0	0	0
Unaccounted For	386,732	394,301	134,616	50,614
Total Disposition	12,483,373	16,292,582	6,762,001	3,789,287

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

**Table 64. Williston Basin Interstate Pipeline Co.
Interstate Flows of Natural Gas, 1992
(Thousand Cubic Feet)**

Company and State	Volume
Williston Basin Interstate Pipeline Co.	
Montana To	
North Dakota	10,880,480
South Dakota	6,969,268
Wyoming	13,762,423
North Dakota To	
Montana	13,353,173
South Dakota To	
Wyoming	665,439
Wyoming To	
Montana	8,251,574

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

Wisconsin Gas Co.

Wisconsin Gas Company is the largest subsidiary of WICOR, Inc., which is also the parent of Sta-Rite Industries, a pump and water-processing manufacturer; and Wexco of Delaware, an investor in developing oil and gas reserves. Wisconsin Gas is the oldest gas distributor in Wisconsin, dating back to 1852. Over 90 percent of its customers are residential with the remainder being commercial and industrial.

Wisconsin Gas added over 10,000 new customers during 1992 and hopes to add at least 9,000 per year for the next several years. It has made advances in the commercial sector by concentrating on the food service equipment and water heating markets. In the in-

dustrial sector, food processing, metalworking, and papermaking are areas of interest. Wisconsin Gas is using a combination of flexible rates and customized gas-burning technologies to attract new customers. These technologies help cut the pollutants emitted by these industries.

Wisconsin Gas is also pursuing new markets. There are approximately 50,000 fleet vehicles in its service area who are potential customers for natural gas vehicles. In addition, there are 3 cogeneration projects being pursued in 1993 which would add substantially to the gas sales of the company.

Figure 46. Wisconsin Gas Co., 1992

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

Service Areas

Table 65. Wisconsin Gas Co. Natural Gas Data, 1992
(Thousand Cubic Feet)

Supply/Disposition	Wisconsin Gas Co.	
	Wisconsin	
SUPPLY		
Produced Onsystem		0
Receipts		
Purchases	95,618,000	
Transported/Exchange Gas	21,379,000	
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Storage Withdrawals		0
Received from Storage Operators		0
Other Supplies		0
Total Supplies	116,997,000	
DISPOSITION		
Lease and Plant Use		0
Returned to Formations		0
Interstate Movements		
Company-owned Gas		0
Transported/Exchange Gas		0
Exchange Gas Deliveries		0
Storage Injections		0
Deliveries of Company-owned Gas		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential	45,640,000	
Commercial	17,742,000	
Industrial	31,353,000	
Vehicle Fuel	19,000	
Electric Utilities	83,000	
Transported for the Account of Others		
To Storage Operators		0
To Other Pipelines		0
To Resellers		0
To Consumers		
Residential		0
Commercial		0
Industrial	21,379,000	
Vehicle Fuel		0
Electric Utilities		0
Pipeline/Compressor Fuel		0
Other Disposition		0
Unaccounted For	781,000	
Total Disposition	116,997,000	

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

Appendix A

Summary of Data Collection and Report Methodology

Appendix A

Summary of Data Collection and Report Methodology

The data for the *Natural Gas Annual 1991 Supplement: Company Profiles* are taken from Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition." A copy of the form is shown as Figure A1. Other sources of information include industry literature and corporate annual reports to shareholders.

The companies appearing in this report are major interstate natural gas pipeline companies, large distribution companies, or combination companies with both pipeline and distribution operations. The report contains case profiles of 45 corporate families. They were selected in a multistep process using knowledge of the industry and specific information included on Form EIA-176 submissions. First, the interstate pipeline companies (representing distinct corporate families) with the greatest reported volumes of gas transported were selected. Other companies not in the same corporate family as any of the first group were selected from the top companies in volumes delivered to end users. Finally, additional companies belonging to the same corporate family as companies in either of the first two groups were included in the profiles.

Data Collection Operations

Survey Design

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

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

more complete survey information with a minimal change in respondent burden. The 1982 revision of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial consumers for the account of others. The revised form was approved for use during report years 1987 through 1989. A short version of Form EIA-176 was also approved in 1988. Companies engaged in purchase and delivery activities but not in transportation and storage activities may file the short form. Usually, these companies are municipals handling small volumes of gas.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990. Data reported on this form are no longer collected under a confidentiality agreement with respondents. Response to the form continues to be mandatory.

In February 1993, forms for report year 1992 were mailed to all identified interstate natural gas pipeline companies; intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; field, well, or processing-plant operators that deliver natural gas directly to consumers (including their own industrial facilities) other than for lease or plant use or processing; and field, well, or processing-plant operators that transport gas to, across, or from a State border through field or gathering facilities. Detailed instructions for completing the form were included in each survey package. Completed forms were returned to the Data Operations Branch of the Reserves and Natural Gas Division, where each was checked for errors, corrected as necessary, and processed into computer-generated State and national data summaries.

Response Statistics

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing totaled 2,104 questionnaire packages. To this original mailing, 6 names were added and 28 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 result 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 2,091 responses from approximately 1,800 companies.

Report Methodology

Natural Gas Consumed as a Vehicle Fuel

Data on deliveries of natural gas for use as a vehicle fuel were collected for the first time in 1990.

Natural Gas Unaccounted For

Natural gas unaccounted for represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. When this calculation results in a negative quantity, the natural gas unaccounted for represents an excess of reported supply in relation to reported disposition, and positive quantities indicate the opposite situation.

The differences between supply and demand represent quantities lost, the net result of gas company conversions of flow data metered at varying temperature and pressure conditions to a standard temperature and pressure base, metering inaccuracies, the effect of variations in company accounting and billing practices, and differences between billing cycle and calendar-period time frames.

A listing of parent companies along with their affiliates is shown on the following page. A copy of Form EIA-176 follows the listing. Table A1 shows the company profile data elements with their corresponding line numbers from the Form EIA-176. Table A2 provides an index of affiliate companies with their associated parent company.

The following list presents the parent companies along with their affiliates featured in the *Natural Gas Annual 1992 Supplement: Company Profiles*

Arkla, Inc.

Arkansas Louisiana Gas Co.
Arkla Energy Resources, Inc.
Entex Div. of Arkla, Inc.
Industrial Gas Supply Corp.
Louisiana Intrastate Gas Co.
Minnegasco, Inc.
Mississippi River Transmission Corp.
Tuscaloosa Pipeline Co.
Unit Gas Transmission Co.

Atlanta Gas Light Co.

Chatanooga Gas Co.

Baltimore Gas and Electric Co.

Brooklyn Union Gas Co.

Boston Gas Co.

Coastal Corp.

ANR Pipeline Co.
ANR Production Co.
ANR Storage Co.
Coastal Gas Gathering Co.
Colorado Interstate Gas Co.
Eaton Rapids Gas Storage System
Great Lakes Gas Transmission Ltd.
High Island Offshore System
Steuben Gas Storage Co.
U-T Offshore System
Wyoming Interstate Co.

Columbia Gas System, Inc.

Columbia Gas of Kentucky
Columbia Gas of Maryland
Columbia Gas of Ohio
Columbia Gas of Pennsylvania
Columbia Gas Transmission Corp.
Columbia Gulf Transmission Corp.
Columbia LNG Corp.
Commonwealth Gas Service Inc.

Delhi Gas Pipeline Corp.

Inland Gas Co.
Nueces Co.
Ozark Gas Transmission System

Consolidated Edison Co. of New York, Inc.

Consolidated Natural Gas Co.

CNG Transmission Corp.
East Ohio Gas Co.
Hope Gas, Inc.
Peoples Natural Gas Co.
River Gas Co.
Virginia Natural Gas, Inc.
West Ohio Gas Co.

Consumers Power Co.

Michigan Gas Storage Co.

El Paso Natural Gas Co.

Mojave Pipeline Co.

Enron Corp.

Black Marlin Pipeline Co.
Enron Industrial Natural Gas Co.
Florida Gas Transmission Co.
Houston Pipe Line Co.
Intratex Gas Co.
Northern Border Pipeline Co.
Northern Natural Gas Co.
Transwestern Pipeline Co.
Valley Pipeline Inc.

Equitable Resources, Inc.

Equitable Gas Co.
Equitrans, Inc.
Kentucky West Virginia Gas Co.

Gas Company of New Mexico

Iroquois Gas Transmission System

K N Energy, Inc.

Northern Gas Co.
Northern Gas of Wyoming
RMNG Gathering Co.
Rocky Mountain Natural Gas Co.
Rocky Mountain Natural Gas Div.
TCP Gathering

Koch Gateway Pipeline Co.

Lone Star Gas Co.

National Pipeline Co.

Michigan Consolidated Gas Co.

Citizens Gas Fuel Co.
MichCon Gas Co.

MidCon Corp.

Kansas Gas Supply Corp.
MidCon Texas Pipeline Co.
Moraine Pipeline Co.
Natural Gas Pipeline Co. of America
Palo Duro Pipeline Co.
Stingray Pipeline Co.
Texas Industrial Energy Co.
Trailblazer Pipeline System
United Texas Transmission Co.

National Fuel Gas Co.

National Fuel Gas Distribution Corp.
National Fuel Gas Supply Corp.
Penn York Natural Gas Storage Co.

Niagara Mohawk Power Corp.

Northern Illinois Gas Co.

Northern Indiana Public Service Co.

Kokomo Gas and Fuel Co.

Northwest Natural Gas Co.

ONEOK, Inc.

Oklahoma Natural Gas Co.
Oktex Pipeline Co.
ONG Red Oak Transmission Co.
ONG Sayre Storage Co.
ONG Western, Inc.
Red River Pipeline Co.

Pacific Gas & Electric Co.

Pacific Gas Transmission Co.

Panhandle Eastern Corp.

Algonquin Gas Transmission Co.
Panhandle Eastern Pipe Line Co.
Southwest Gas Storage Co.
Texas Eastern Transmission Corp.
Trunkline Gas Co.
Trunkline LNG Co.

Peoples Gas Light and Coke Co.

North Shore Gas Co.

Public Service Co. of Colorado

Cheyenne Light Fuel and Power Co.
Western Gas Supply Co.

Public Service Electric and Gas Co.

Questar Corp.

Mountain Fuel Supply Co.
Overthrust Pipeline Co.
Questar Pipeline Co.

Sabine Pipe Line Co.

Bridgeline Gas Distribution Co.
Riverway Gas Pipeline Co.

San Diego Gas and Electric Co.

Southern California Gas Co.

Pacific Interstate Transmission Co.
Pacific Offshore Pipeline Co.

Southern Natural Gas Co.

Bear Creek Storage Co.
Sea Robin Pipeline Co.
South Georgia Natural Gas Co.

Southwest Gas Corp.

Tenneco, Inc.

Channel Industries Gas Co.
Creole Gas Pipeline Corp.
East Tennessee Natural Gas Co.
Midwestern Gas Transmission Co.
Tennessee Gas Pipeline Co.
Viking Gas Transmission Co.

Transco Gas Co.

Texas Gas Transmission Corp.
Transcontinental Gas Pipe Line Corp.

Valero Energy Corp.

Val Gas Co.
Val Gas Limited Partnership
Val Gathering Limited Partnership
Valero Gas Storage
Valero Interstate Transmission Co.
Valero Transmission Limited Partnership
V.H.C. Pipeline Limited Partnership

Washington Gas Light Co.

Frederick Gas Co.
Hampshire Gas Co.
Shenandoah Gas Co.

Western Resources, Inc.

Williams Companies, Inc., The

Kern River Gas Transmission Co.
Louisiana Resources Co.
Northwest Pipeline Corp.
Williams Gas Marketing Co.
Williams Natural Gas Co.

Williston Basin Interstate Pipeline Co.

Montana-Dakota Utilities Co.

Wisconsin Gas Co.

Figure A1. Form EIA-176

EIA-176 (Revised 1991)

U.S. DEPARTMENT OF ENERGY
ENERGY INFORMATION ADMINISTRATION

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

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

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

EIA USE

Affix mailing label or enter mail address

Control (ID) No. _____

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

RESPONDENT COPY.
Retain for your files.

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:

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

1.0 Type of Company (check one) a ☐ Investor owned distributor b ☐ Municipally owned distributor c ☐ Interstate pipeline d ☐ Intrastate pipeline e ☐ Storage operator f ☐ SNG plant operator g ☐ Integrated oil and gas h ☐ Producer i ☐ Gatherer j ☐ Processor k ☐ Other (specify) _____	2.0 Gas Activities Operated On-system Within the Report State (check all that apply) <table style="width: 100%;"> <tr> <td style="width: 50%;"> a ☐ Produced Natural Gas b ☐ Gathered c ☐ Processed d ☐ Purchased e ☐ Transported Interstate f ☐ Transported Intrastate g ☐ Stored Underground h ☐ Stored LNG i ☐ Injected Propane-air j ☐ Produced SNG k ☐ Imported l ☐ Exported </td> <td style="width: 50%;"> m ☐ Delivered for Resale n ☐ Delivered directly to consumers o ☐ Other (specify) _____ </td> </tr> </table>	a ☐ Produced Natural Gas b ☐ Gathered c ☐ Processed d ☐ Purchased e ☐ Transported Interstate f ☐ Transported Intrastate g ☐ Stored Underground h ☐ Stored LNG i ☐ Injected Propane-air j ☐ Produced SNG k ☐ Imported l ☐ Exported	m ☐ Delivered for Resale n ☐ Delivered directly to consumers o ☐ Other (specify) _____
a ☐ Produced Natural Gas b ☐ Gathered c ☐ Processed d ☐ Purchased e ☐ Transported Interstate f ☐ Transported Intrastate g ☐ Stored Underground h ☐ Stored LNG i ☐ Injected Propane-air j ☐ Produced SNG k ☐ Imported l ☐ Exported	m ☐ Delivered for Resale n ☐ Delivered directly to consumers o ☐ Other (specify) _____		

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

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

RESPONDENT COPY Page 2

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

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

PART V: DISPOSITION OF NATURAL AND SUPPLEMENTAL GAS WITHIN OR TRANSPORTED OUT OF REPORT STATE

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

RESPONDENT COPY Page 3

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

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

PART 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)				
 				
 				
 				

RESPONDENT COPY Page 4

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466

11

PART VII: FOOTNOTES					
Part No.	Item No.	EIA Use	Sub-item (State, Company, or Line)	Line No.	Footnote

Page 15

Table A1. Company Profile Data Elements

Supply (Part IV)	Line Number
Produced Onsystem.....	1.0
Receipts	
Purchases.....	2.1 + 2.2 + 2.3
Transported/Exchange Gas.....	3.1
Interstate Movements	
Company-owned Gas.....	2.4
Transportation/Exchange Gas.....	3.2 + 4.0
Storage Withdrawals.....	5.1.1 + 5.1.2 + 5.4
Received from Storage Operators.....	5.2 + 5.3
Other Supplies.....	6.0 + 7.0
Total Supplies.....	8.0
Disposition (Part V)	Line Number
Lease and Plant Use.....	1.0 + 3.1.2 + 3.1.3 + 3.1.4 + 3.1.5 + 3.2.2
Returned to Formations.....	2.0
Interstate Movements	
Company-owned Gas.....	5.3
Transported/Exchange Gas.....	7.3 + 8.2
Exchange Gas Deliveries.....	8.1
Storage Injections.....	4.1.1 + 4.1.2 + 4.4
Deliveries of Company-owned Gas	
To Storage Operators.....	4.2
To Other Pipelines.....	5.1
To Resellers.....	5.2
To Consumers	
Residential.....	5.4.1
Commercial.....	5.4.2
Industrial.....	5.4.3
Electric Utilities.....	5.4.4
Vehicle Fuel.....	5.4.5
Transported for the Account of Others	
To Storage Operators.....	4.3
To Other Pipelines.....	7.1
To Resellers.....	7.2
To Consumers	
Residential.....	7.4.1
Commercial.....	7.4.2
Industrial.....	7.4.3
Electric Utilities.....	7.4.4
Vehicle Fuel.....	7.4.5
Pipeline/Compressor Fuel.....	9.0
Other Disposition.....	10.0
Unaccounted For.....	12.0
Total Disposition.....	11.0

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

Table A2. Alphabetical Listing of Affiliate Companies

Affiliate Company	Parent Company
ANR Pipeline Co.	Coastal
ANR Production Co.	Coastal
ANR Storage Co.	Coastal
Algonquin Gas Transmission Co.	Panhandle Eastern
Arkansas Louisiana Gas Co.	Arkla
Arkla Energy Resources, Inc.	Arkla
Arkla, Inc.	
Atlanta Gas Light Co.	
Baltimore Gas and Electric Co.	
Bear Creek Storage Co.	Southern Natural
Black Marlin Pipeline Co.	Enron
Boston Gas Co.	
Bridgeline Gas Distribution Co.	Sabine
Brooklyn Union Gas Co.	
Channel Industries Gas Co.	Tenneco
Chatanooga Gas Co.	Atlanta
Cheyenne Light Fuel and Power Co.	Public Service Co. of Colorado
Citizens Gas Fuel Co.	Michigan Consolidated
Coastal Corp.	
Coastal Gas Gathering Co.	Coastal
Colorado Interstate Gas Co.	Coastal
Columbia Gas of Kentucky	Columbia
Columbia Gas of Maryland	Columbia
Columbia Gas of Ohio	Columbia
Columbia Gas of Pennsylvania	Columbia
Columbia Gas System, Inc.	
Columbia Gas Transmission Corp.	Columbia
Columbia Gulf Transmission Corp.	Columbia
Columbia LNG Corp.	Columbia
Commonwealth Gas Service Co.	Columbia
Consolidated Edison Co. of New York, Inc.	
Consolidated Natural Gas Co.	
Consumers Power Co.	
CNG Transmission Corp.	Consolidated
Creole Gas Pipeline Corp.	Tenneco
Delhi Gas Pipeline Corp.	Columbia
East Ohio Gas Co.	Consolidated
East Tennessee Natural Gas Co.	Tenneco
Eaton Rapids Gas Storage System	Coastal
El Paso Natural Gas Co.	
Enron Corp.	
Enron Industrial Gas Co.	Enron
Entex	Arkla
Equitable Gas Co.	Equitable
Equitable Resources, Inc.	
Equitrans, Inc.	Equitable
Florida Gas Transmission Co.	Enron
Frederick Gas Co.	Washington Gas Light Co
Gas Company of New Mexico	
Great Lakes Gas Transmission Ltd.	Coastal
Hampshire Gas Co.	Washington Gas Light Co.
High Island Offshore System	Coastal
Hope Gas, Inc.	Consolidated
Houston Pipe Line Co.	Enron
Industrial Gas Supply Corp.	Arkla
Inland Gas Co.	Columbia
Intratex Gas Co.	Enron
Iroquois Gas Transmission System	

See footnotes at end of table.

3 of 3

Table A2. Alphabetical Listing of Affiliate Companies (Continued)

Affiliate Company	Parent Company
K N Energy, Inc.	
Kansas Gas Supply Corp.	MidCon
Kentucky West Virginia Gas Co.	Equitable
Kern River Gas Transmission Co.	Williams
Koch Gateway Pipeline Co.	
Kokomo Gas and Fuel Co.	Northern Indiana
Lone Star Gas Co.	
Louisiana Intrastate Gas Co.	Arkla
Louisiana Resources Co.	Williams
MichCon Gas Co.	Michigan Consolidated
Michigan Consolidated Gas Co.	
Michigan Gas Storage Co.	Consumers Power
MidCon Corp.	
MidCon Texas Pipeline Co.	MidCon
Midwestern Gas Transmission Co.	Tenneco
Minnegasco, Inc.	Arkla
Mississippi River Transmission Corp.	Arkla
Mojave Pipeline Co.	El Paso
Montana-Dakota Utilities Co.	Williston Basin
Moraine Pipeline Co.	MidCon
Mountain Fuel Supply Co.	Questar
National Fuel Gas Co.	
National Fuel Gas Distribution Corp.	National Fuel
National Fuel Gas Supply Corp.	National Fuel
National Pipeline Co.	Lone Star
Natural Gas Pipeline Co. of America	MidCon
Niagara Mohawk Power Corp.	
North Shore Gas Co.	Peoples Gas Light
Northern Border Pipeline Co.	Enron
Northern Gas Co.	K N Energy
Northern Gas of Wyoming	K N Energy
Northern Illinois Gas Co.	
Northern Indiana Public Service Co.	
Northern Natural Gas Co.	Enron
Northwest Natural Gas Co.	
Northwest Pipeline Corp.	Williams
Nueces Co.	Columbia
Oklahoma Natural Gas Co.	ONEOK
Oktex Pipeline Co.	ONEOK
ONEOK, Inc.	
ONG Red Oak Transmission Co.	ONEOK
ONG Sayre Storage Co.	ONEOK
ONG Western Inc.	ONEOK
Overthrust Pipeline Co.	Questar
Ozark Gas Transmission System	Columbia
Pacific Gas & Electric Co.	
Pacific Gas Transmission Co.	PG&E
Pacific Interstate Transmission Co.	Southern California
Pacific Offshore Pipeline Co.	Southern California
Palo Duro Pipeline Co.	MidCon
Panhandle Eastern Corp.	
Panhandle Eastern Pipe Line Co.	Panhandle Eastern
Penn York Natural Gas Storage	National Fuel Gas
Peoples Gas Light and Coke Co.	
Peoples Natural Gas Co.	Consolidated
Public Service Co. of Colorado	
Public Service Electric and Gas Co.	

See footnotes at end of table.

Table A2. Alphabetical Listing of Affiliate Companies (Continued)

Affiliate Company	Parent Company
Questar Corp.	
Questar Pipeline Co.	Questar
Red River Pipeline Co.	ONEOK
River Gas Co.	Consolidated
Riverway Gas Pipeline Co.	Sabine
RMNG Gathering Co.	K N Energy
Rocky Mountain Natural Gas Co.	K N Energy
Rocky Mountain Natural Gas Div.	K N Energy
Sabine Pipe Line Co.	
San Diego Gas and Electric Co.	
Sea Robin Pipeline Co.	Southern Natural
Shenandoah Gas Co.	Washington Gas Light Co
South Georgia Natural Gas Co.	Southern Natural
Southern California Gas Co.	
Southern Natural Gas Co.	
Southwest Gas Corp.	
Southwest Gas Storage Co.	Panhandle Eastern
Steuben Gas Storage Co.	Coastal
Stingray Pipeline Co.	MidCon
TCP Gathering	K N Energy
Tenneco, Inc.	
Tennessee Gas Pipeline Co.	Tenneco
Texas Eastern Transmission Corp.	Panhandle Eastern
Texas Gas Transmission Corp.	Transco
Texas Industrial Energy Co.	MidCon
Trailblazer Pipeline System	MidCon
Transco Gas Co.	
Transcontinental Gas Pipe Line Corp.	Transco
Transwestern Pipeline Co.	Enron
Trunkline Gas Co.	Panhandle Eastern
Trunkline LNG Co.	Panhandle Eastern
Tuscaloosa Pipeline Co.	Arkla
U-T Offshore System	Coastal
Unit Gas Transmission Co.	Arkla
United Texas Transmission Co.	MidCon
Val Gas Co.	Valero
Val Gas Limited Partnership	Valero
Val Gathering Limited Partnership	Valero
Valero Energy Corp.	
Valero Gas Storage	Valero
Valero Interstate Transmission Co.	Valero
Valero Transmission Limited Partnership ...	Valero
Valley Pipeline, Inc.	Enron
Viking Gas Transmission Co.	Tenneco
Virginia Natural Gas, Inc.	Consolidated
V.H.C. Pipeline Limited Partnership	Valero
Washington Gas Light Co.	
West Ohio Gas Co.	Consolidated
Western Resources, Inc.	
Williams Companies, Inc., The	
Williams Gas Marketing Co.	Williams
Williams Natural Gas Co.	Williams
Williston Basin Interstate Pipeline Co.	
Wisconsin Gas Co.	
Wyoming Interstate Co.	Coastal

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

Appendix B

**Selected
Natural Gas
and Related
Reports**

Appendix B

Selected Natural Gas and Related Reports

Recurring Natural Gas Reports

- *Natural Gas Monthly*, DOE/EIA-0130. Published monthly.

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

- *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves - 1992 Annual Report*, DOE/EIA-0216(91), September 1993.
- *Monthly Energy Review*, DOE/EIA-0035. Published monthly. Provides national aggregate data for natural gas, natural gas liquids, and other energy sources.
- *Annual Report to Congress 1992*, DOE/EIA-0173(92), March 1993. Published annually.
- *Annual Energy Outlook 1993*, DOE/EIA-0383(93), January 1993. Published annually.
- *Annual Energy Review 1992*, DOE/EIA-0384(92), June 1993. Published annually.
- *Short-Term Energy Outlook*, DOE/EIA-0202. Published quarterly. Provides forecasts for next six quarters for natural gas and other energy sources.
- *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.
- *Annual Outlook for Oil and Gas: 1991*, DOE/EIA-0517(91), June 1991.
- *State Energy Data Report, Consumption Estimates, 1960-1991*, DOE/EIA-0214(91), May 1993.
- *State Energy Price and Expenditure Report 1990*, DOE/EIA-0376(90), September 1992.

One-Time Reports

- *U.S. Production of Natural Gas from Tight Reservoirs* DOE/EIA-TR-0574, October 1993.
- *Natural Gas 1992: Issues and Trends* DOE/EIA-0560(20), March 1993.
- *Natural Gas Productive Capacity for the Lower 48 States 1982 through 1993*, DOE/EIA-0542(93), March 1993.
- *Geologic Distributions of U.S. Oil and Gas*, DOE/EIA-0557, July 1992.
- *Capacity and Service on the Interstate Natural Gas Pipeline System 1990*, DOE/EIA-0556, June 1992.
- *Effects of Interruptible Natural Gas Service: Winter 1989-1990*, SR/OG-91-01, June 1991.
- *The Outlook for Natural Gas Imports: Supporting Analysis for the National Energy Strategy*, SR/NES/90-06, January 1991.
- *The Domestic Oil and Gas Recoverable Resource Base: Supporting Analysis for the National Energy Strategy*, SR/NES/90-05, December 1990.

Reference Reports

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

Glossary

Cofiring: The process of burning natural gas in conjunction with another fuel to reduce air pollutants.

Cogeneration: The simultaneous generation of steam and electricity from one fuel.

Commercial Consumption: Natural gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services. Included are such establishments as hotels, restaurants, wholesale and retail stores, and other service enterprises; gas used by establishments engaged in agriculture, forestry, and fisheries; and gas used by local, State, and Federal agencies engaged in nonmanufacturing activities.

Compressed Natural Gas (CNG): Natural gas which is comprised primarily of methane, compressed to a pressure at or above 2,400 pounds per square inch and stored in special high pressure containers. It is used as a fuel for natural gas powered vehicles.

Compressor Station: Any combination of facilities which supplies the energy to move gas in transmission lines or into storage by increasing the pressure.

Delivered: The physical transfer of natural, synthetic, and/or supplemental gas from facilities operated by the responding company to facilities operated by others or to consumers.

Distribution Use: Natural gas used as fuel in the respondent's operations.

Electric Utilities: Establishments primarily engaged in the generation, transmission, and/or distribution of electricity for sale or resale.

Electric Utility Consumption: Natural gas used for gross generation, providing standby service, start-up and/or flame stabilization.

Exchange Agreement: A contractual agreement whereby one company agrees to deliver gas either directly or through intermediates to another company at one location, or in one time period, in exchange for the delivery by the second company to the first company of an equivalent volume or heat content at a different location or time period.

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

Imports: Gas receipts into the United States from a foreign country.

Industrial Consumers: Establishments engaged in a process which creates or changes raw or unfinished materials into another form or product. Generation of electricity, other than by electric utilities, is included.

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

Lease and Plant Fuel: Natural gas used in well, field, and lease operations (such as gas used in drilling operations, heaters, dehydrators, and field compressors), and as fuel in natural gas-processing plants.

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

Onsystem: Any point on or directly interconnected with, a transportation, storage, or distribution system operated by a natural gas company.

Pipeline: A continuous pipe conduit, complete with such equipment as valves, compressor stations, communications systems, and meters, for transporting natural and/or supplemental gas from one point to another, usually from a point in or beyond the producing field or processing plant to another pipeline or to points of use. Also refers to a company operating such facilities.

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

Reburn: An advanced cofiring technique using natural gas to reduce pollution from electric power plants.

Receipts: Gas physically transferred into the responding company's transportation, storage, and/or distribution facilities.

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

Residential Consumption: Natural gas used in private dwellings, including apartments, for heating, air conditioning, cooking, water heating, and other household uses.

Storage Additions: Volumes of gas injected or otherwise added to underground natural gas reservoirs or liquefied natural gas storage.

Storage Withdrawals: Volumes of gas withdrawn from underground storage or liquefied natural gas storage.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

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

Underground Storage: The storage of natural gas in underground reservoirs at a different location from which it was produced.

**DATE
FILMED**

3 / 23 / 94

END

_____

_____