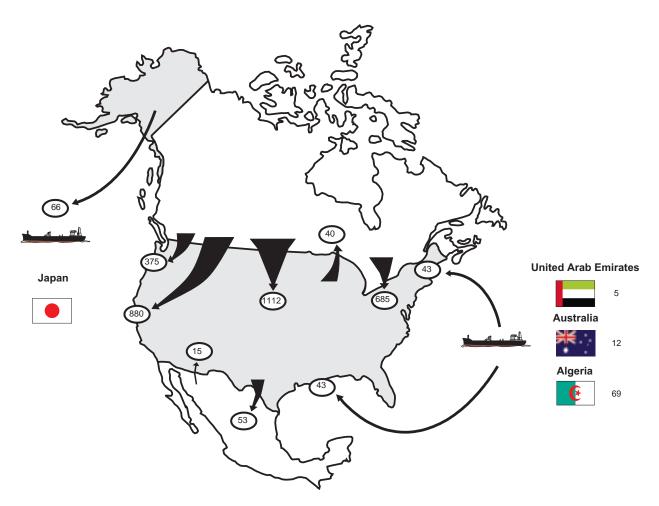
# U.S. Natural Gas Imports and Exports –1998

# By Linda Cook, Sheila M. Darnell, and Ann M. Ducca

Net imports of natural gas increased for the twelfth consecutive year, moving up 5 percent between 1997 and 1998 to 3.0 trillion cubic feet. Net imports contributed 14 percent of 1998 U.S. gas consumption. Pipeline imports from Canada and liquefied natural gas (LNG) imports from all sources moved higher, while imports from Mexico declined. A substantial drop in exports to Canada (29 percent) was more than offset by increased exports to Mexico and LNG exports to Japan. Some of the highlights of 1998 for U.S. natural gas imports and exports are:

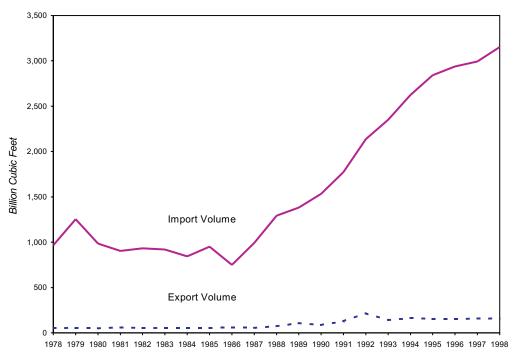
• Imports from Canada, by far the primary foreign supplier of gas, reached nearly 3.1 trillion cubic feet, a record level more than double the 1990 level. With additional crossborder pipeline capacity available, U.S. imports from Canada climbed by 153 billion cubic feet in 1998. This 5-percent increase was the highest annual growth rate since 1995.

Figure SR1. Flow of U.S. Natural Gas Imports and Exports, 1998 (Billion Cubic Feet)



Source: Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports.





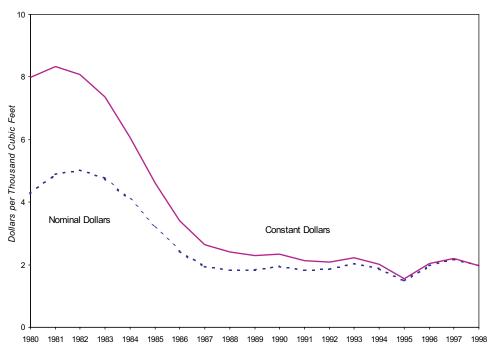
Sources: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 1998: Office of Fossil Energy, U.S. Department of Energy. Natural Gas Imports and Exports.

- LNG imports totaled 85 billion cubic feet, the highest level since 1983 and 10 percent more than the 1997 level. Spot market purchases of LNG from Australia and the United Arab Emirates (UAE) were up about 40 percent and now account for about 20 percent of the total U.S. imports of LNG.
- Mexico continued to be a net importer of U.S. natural gas. U.S. exports to Mexico were 53 billion cubic feet, an increase of 38 percent from 1997 and the highest level since 1995. Exports to Mexico rose, primarily because of increased demand for fueling the gas-fired Samalayuca Power Plants in northern Mexico. For the first time LNG was exported to Mexico, with a small amount, 33 million cubic feet, shipped by truck.
- U.S. exports of natural gas totaled 159 billion cubic feet, 1 percent higher than in 1997.

# **Trade with Canada**

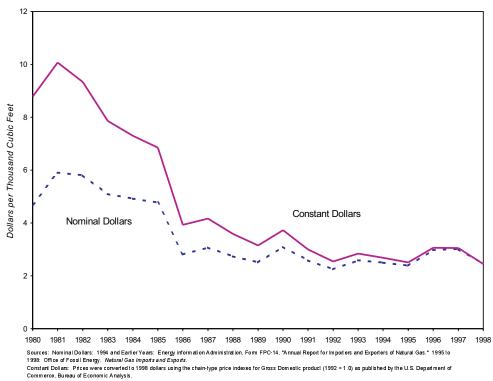
Natural gas imports from Canada continued to increase for the 12th consecutive year, reaching 3.1 trillion cubic feet and accounting for 97 percent of total U.S. imports (Table SR2). Accordingly, net imports represented a growing share of U.S. natural gas consumption, 14 percent in 1998 (Figure SR5). The average price of imports from Canada dropped to \$1.95 per thousand cubic feet, 9 percent below the 1997 price of \$2.15 per thousand cubic feet (Table SR2). The increased flow of imports occurred despite the declining prices as Canadian producers took advantage of expanded marketing opportunities posed by the opening of new crossborder capacity. Despite this 9-percent drop, the average price remained 32 percent above the low of \$1.48 per thousand cubic feet in 1995 (Table SR7). (The 1995 price was the lowest price seen from 1976 through 1998.) The decrease in Canadian import prices followed the trend in the U.S. wellhead prices. The 1998

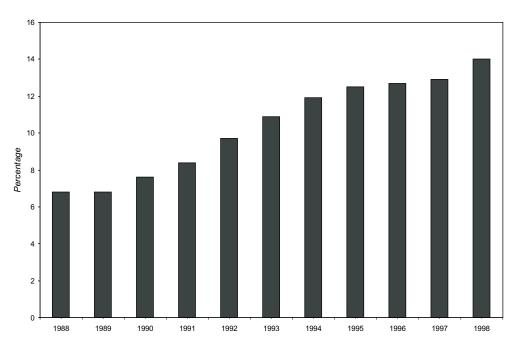




Sources: Nominal Dollars: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 1998: Office of Concernent Normal And Concernent and Expension of the concernent of Commerce, Bureau Constant Dollars: Prices were converted to 1998 dollars using the chain type price indexes for Gross Domestic product (1992 = 1.0) as published by the U.S. Department of Commerce, Bureau of Economic Analysis.

Figure SR4. Average Price of U.S. Natural Gas Exports, 1980-1998





# Figure SR5. U.S. Net Imports as a Percentage of Total Consumption, 1988-1998

wellhead price in the United States was 16 percent less than the 1997 price and 26 percent above the 1995 price. (See Table 4 in the *Natural Gas Monthly* for wellhead prices.)

The growth rate in Canadian imports was 5 percent, much higher than the 1 and 2 percent increases seen in 1997 and 1996, respectively. This level of increase occurred principally because of pipeline expansions and high utilization rates of existing capacity of the pipelines that bring the gas across the border. Gas imports are bounded by the available crossborder capacity. Three pipeline expansion projects in 1998 added substantial amounts of new import capacity from Canada to the United States. The 71.5 mile Great Lakes Gas Transmission expansion project, completed in November 1998, added 126 million cubic feet per day of firm transportation capacity. It extends from Manitoba, Canada, to St. Clair, Michigan. Northern Border's Chicago Project was completed in December 1998 and began flowing gas into the United States in 1999. This project increased capacity from the U.S. Canadian border at Port of Morgan, Montana, into Iowa by 700 million cubic feet per day and extended the Norther Border pipeline system from eastern Iowa into Illinois just south of Chicago. In the Northeast, the Iroquois Gas Transmission System added 35 million cubic feet per day to its 858 million cubic feet per day of import capability with the installation of a new compressor station at Athens, New York.

The Portland Natural Gas Transmission System (PNGTS) project, scheduled for late 1998 but delayed until March 1999, is capable of importing up to 178 million cubic feet per day at the border near Pittsburg, New Hampshire. The destination of the line is Westbrook, Maine, where it connects completed with the recently joint PNGTS/Maritimes and Northeast Pipeline located in southeastern Maine. The Portland project replaces the existing Portland Pipeline, a reconditioned oil pipeline that is now being converted back to oil use.

Planned expansions for 1999-2000 would add approximately 3.7 billion cubic feet per day of Canadian export capacity, principally into the U.S. Midwest and Northeast. These proposals are principally driven by ever-increasing demand in U.S. markets and by Canadian natural gas

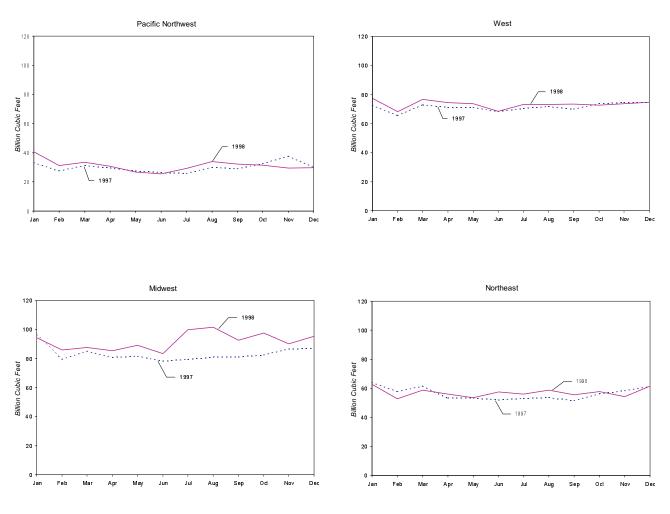


Figure SR6. U.S. Natural Gas Pipeline Imports from Canada by Regional Point of Entry, 1997-1998

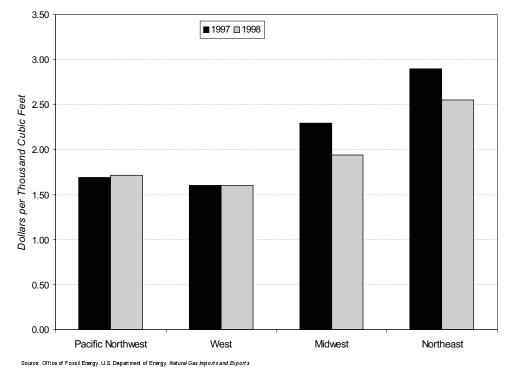
Source: Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports.

producers seeking market outlets for their expanding production capabilities. The Alliance Pipeline, designed to bring rising levels of production from western Canada into the U.S. Midwest, will add capacity of 1.3 billion cubic feet per day. The terminus of the line is south of Chicago, Illinois. This project is enhanced by its unique ability to ship "wet" natural gas, which is natural gas that has not been processed to remove hydrocarbon liquids. Capacity additions within the United States are also proposed for moving Canadian and domestic gas from the Midwest to the Northeast.

Later this year, supplies from Canada will be augmented with production from the Sable Island

offshore project in the northern Atlantic. This project is seen as a change with potentially far-reaching consequences as it will be the first commercial production of natural gas from a major Atlantic field off North America. The Maritimes and Northeast Pipeline System will bring these gas supplies to New England beginning in November 1999. It will be capable of transporting up to 440 million cubic feet per day of gas.

There are 20 principal entry points for Canadian gas imports into the United States, and these are grouped in this report into four areas: the Pacific Northwest, the West, the Midwest, and the Northeast. From 1997 to 1998, natural gas



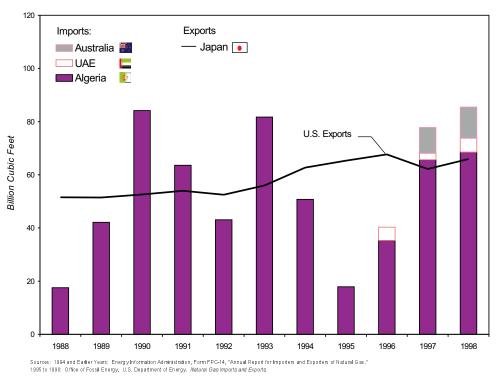
# Figure SR7. Average Price of U.S. Natural Gas Pipeline Imports from Canada by Regional Point of Entry, 1997-1998

imports increased into all of these areas, but not at all of the entry points. These regional increases were very moderate (4 percent or less), except in the Midwest. Reflecting the capacity increases from Great Lakes Gas Transmission at Noves, Minnesota, and the Northern Border Chicago Project, the Midwest entry points showed the largest volumetric increase in 1998, 106 billion cubic feet, up 10 percent from the 1997 level (Table SR6). Of all the areas, the Midwest received the greatest volume of imports, 1,112 billion cubic feet. The average border price through the 11 Midwest entry points located in Michigan, Minnesota, Montana, and North Dakota fell by 15 percent, from \$2.28 to \$1.94 per thousand cubic feet. Imports to the Northeast rose by 1 percent to 685 billion cubic feet. Imports enter the Northeast through seven entry points in New York and Vermont at an average price of \$2.55 per thousand cubic feet, the highest of the regions. This was 12 percent lower than the comparable 1997 price, but 59 percent more than the price paid at Eastport, Idaho (\$1.60 per thousand cubic feet), the only entry point in the West.

Canadian gas imports into the Pacific Northwest region reached 375 billion cubic feet in 1998, 4 percent above last year's level. Sumas, Washington, is the predominant entry point for this region. The border price at Sumas showed a very modest increase of 1 percent, from \$1.69 per thousand cubic feet in 1997 to \$1.71 in 1998. The West region has only one entry point, located at Eastport, Idaho, which showed imports of 880 billion cubic feet in 1998, a 3-percent increase over the 1997 level. Most of these imports are marketed in California. The border price at Eastport remained unchanged from 1997 to 1998 at \$1.60 per thousand cubic feet, the lowest price of the four areas.

Natural gas exports to Canada fell to 40 billion cubic feet, a 29-percent decrease from the 1997 level. Over 90 percent of these exports crossed the border at two points of exit in Michigan: Detroit and St. Clair. The average price was \$2.25 per

<sup>&</sup>lt;sup>1</sup> U.S. Department of Energy, Office of Fossil Energy, *Natural Gas Imports and Exports, Fourth Quarter Report 1998*, DOE/FE-0388 (March 1999).



# Figure SR8. U.S. Imports and Exports of Liquefied Natural Gas (LNG), 1988-1998

thousand cubic feet, 11 percent less than the 1997 price (Table SR3). Exports to Canada represented 43 percent of total U.S. natural gas pipeline exports during 1998.

# **Trade with Mexico**

During 1998, the United States exported 53.1 billion cubic feet of natural gas to Mexico, the highest level since 1995 (Tables SR5 and SR9). The price was \$2.04 per thousand cubic feet, 17 percent lower than last year and the lowest price since 1995.

More than half of the exports to Mexico (58 percent) crossed the border at Clint, Texas, on the Samalayuca Pipeline, which began operations in December 1997. Most of the gas exported at this exit point is used to fuel the gas-fired Samalayuca Power Plants I and II (23 miles south of Ciudad Juarez), although some of the volumes are sold to Petroleos Mexicanos (PEMEX), the state-owned Mexican national energy company, for distribution in the cities of Juarez and Chihuahua<sup>1</sup>. Power Plant II was completed in September 1998, and exports at the Clint, Texas, exit point were at least 46 percent

higher during the last quarter of the year compared with each of the first three quarters.

Also during 1998, a small amount of liquefied natural gas (LNG), 33 million cubic feet, was exported to Mexico for the first time. The LNG originated at a new liquefaction, storage, and distribution facility near Topock, Arizona. It was sent to Sonora, Mexico, by truck and sold to industrial consumers.

The United States imported 15 billion cubic feet of gas from Mexico, 16 percent less than in 1997 (Tables SR2 and SR6). This drop in imports occurred despite a decline in price of 12 percent. Energy officials from PEMEX indicated that they could have exported more but could not find shipping capacity available on the U.S. side of the border.

Although southern Mexico has substantial gas supplies, numerous markets in the northern part of the country can be served more efficiently at present from the readily available supplies on the U.S. system. Exports of U.S. gas primarily provide supplies to manufacturing/service industries and a growing number of electric generating plants in northern Mexico. Mexican gas consumption and the related demand for U.S. gas could grow, driven by demand growth and regulatory reform that is opening up parts of the industry to foreign investment. In addition, on August 16, 1999, the Mexican government abolished the 4-percent tariff on U.S. gas exports to Mexico. The future of Mexico's gas markets and that of U.S. markets along the southern border likely will continue to become increasingly integrated.

# **Liquefied Natural Gas**

Liquefied natural gas (LNG) imports reached 85 billion cubic feet, the highest level since 1983 and 10 percent above the 1997 level (Tables SR2, SR4 and Figure SR8). Algeria supplied 80 percent of the imports in 1998 under long-term agreements. The other 20 percent were spot purchases from Australia and the United Arab Emirates. By comparison, spot purchases represented 16 percent of total LNG imports in 1997, evidence of the growth of the spot market. The 1998 LNG imports accounted for 3 percent of all U.S. gas imports, but less than 1 percent of total U.S. gas consumption.

The price of LNG imported from Algeria declined from 1997 to 1998 by 6 percent to \$2.51 per thousand cubic feet. The price of United Arab Emirates imports also decreased to \$2.63 per thousand cubic feet. In contrast, the price of Australian imports moved up 13 percent, from \$2.92 per thousand cubic feet in 1997 to average \$3.30 in 1998. Economic difficulties in eastern Asia have resulted in reduced demand for energy in general and LNG in particular, which may explain in part the decline in LNG prices. LNG prices are reported as either "landed," the price at the point of entry, or "tailgate," the price at the point of entry plus regasification charges. (The footnotes in Tables SR2 through SR9 identify how shipment prices are categorized.)

There are two operational LNG receiving terminals in the United States: Lake Charles, Louisiana, and Everett, Massachusetts. LNG imports serve as supplemental gas supplies in the markets located near these facilities. Each of these facilities imported 43 billion cubic feet in 1998 (Table SR6). The Everett, Massachusetts terminal recently completed an expansion of its revaporization capacity in time for the first shipment of LNG from the newly opened liquefaction facility in Trinidad in May 1999. A third receiving facility located at Elba Island, Georgia, has not been in operation since 1982. In July 1999, Sonat Inc. announced plans to reactivate this facility with deliveries to begin in 2002<sup>2</sup>. A fourth facility at Cove Point, Maryland, is currently operating as a peak-service storage facility using domestic gas supplies received from the transmission network, although reopening for importation is being considered.

LNG is exported from southern Alaska to Japan under long-term agreements. During 1998, 66 billion cubic feet of LNG was exported, 6 percent more than in 1997. However, the price of these exports fell by 24 percent to \$2.91 per thousand cubic feet. The sharp drop in price is directly attributed to the overall decline in world oil prices, as the price of this LNG supply is based on the weighted average cost of all crude oil imported by Japan<sup>3</sup>. In April of this year, this export authorization was extended by the Department of Energy from April 1, 2004, through March 31, 2009.

A number of key developments in 1999 are expected to result in further growth of U.S. LNG imports. The Trinidad and Tobago liquefaction facility and terminal, in construction since 1996, began shipping LNG in May 1999. This project is developing the natural gas resources off the east coast of Trinidad. It has one of the largest project-funding agreements ever to be completed in the Caribbean/Latin American region. This facility is targeting markets in the Northeastern United States, Spain, and Puerto Rico. The other project,

<sup>&</sup>lt;sup>2</sup> On August 16, 1999, Enron Americas LNG filed a motion with the Federal Energy Regulatory Commission protesting the award by Sonat LNG to Sonat Energy Services for all of the capacity at the Elba Island terminal. One possible outcome may be that Sonat will be required to have another open season to award this capacity.

<sup>&</sup>lt;sup>3</sup> U.S. Department of Energy, Office of Fossil Energy, *Natural Gas Imports and Exports, Fourth Quarter Report 1998*, DOE/FE-0388 (March 1999).

the EcoElectrica Power Plant in Puerto Rico, began construction in January 1998. EcoElectrica expects to start up in the fall of 1999 and initially to fuel the facility with petroleum products. However, plans call for LNG to be the primary fuel by mid-2000, which will be supplied from Trinidad and other sources.

The presence of a spot market is a substantial development in global LNG trade, as it promotes a more dynamic element in the resolution of current trading difficulties precipitated by the Asian economic crisis. Through the first 6 months of 1999, there have been eight shipments of LNG purchased on the spot market—two at Everett and six at Lake Charles.

Although the future for global LNG trade is uncertain, LNG imports into the United States have continued above 1998 levels thus far in 1999. The strong level of LNG purchases may be attributed at least in part to the competitive LNG import prices, especially as domestic prices have increased since the beginning of the year. Spot purchases by the United States may increase depending on international supply and demand issues, the capacity of U.S. receiving facilities, and the availability of LNG tankers.

## **Data Sources**

Data for 1995 through 1998 are based on company filings made with the U.S. Department of Energy, Office of Fossil Energy. These filings report data on a monthly level and are received quarterly. The Office of Fossil Energy collects these data as part of its regulatory oversight responsibilities. These data are published by the Office of Fossil Energy in the quarterly report, *Natural Gas Imports and Exports* (DOE/FE-0360).

The data for 1994 and earlier years are taken from Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." The Form FPC-14 was discontinued in 1995. The data reported on Form FPC-14 represented physical movements of natural gas. The data collected by the Office of Fossil Energy are reported on an equity (sales) basis. For 1994 and earlier years, comparisons of the information in this article (physical movements) with the information reported by the Office of Fossil Energy (sales) may show differences because reporting requirements were different. Efforts were made to resolve these differences. Further information about how import and export data are collected is provided in the *Natural Gas Monthly*, Appendix B, "Data Sources."

## Table SR1. Historical Summary of U.S. Natural Gas Net Imports, 1955-1998 (Million Cubic Feet)

Year	Total Imports	Total Exports	Net Imports	Total Consumption	Net Imports as Percentage of Total Consumption
1955	10.888	31,029	-	8,693,657	-
1956	10,380	35,963	-	9,288,865	-
1957	37,941	41,655	-	9,846,139	-
1958	135,797	38,719	97,078	10,302,608	0.9
1959	133,990	18,413	115,577	11,321,181	1.0
1960	155,646	11,332	144,314	11,966,537	1.2
1961	218,860	10,747	208,113	12,489,268	1.7
1962	401,534	15,814	385,720	13,266,513	2.9
1963	406,204	16,957	389,247	13,970,229	2.8
1964	443,326	19,603	423,723	14,813,808	2.9
1965	456,394	26,132	430,262	15,279,716	2.8
1966	479,780	24,639	455,141	16,452,403	2.8
1967	564,226	81,614	482,612	17,388,360	2.8
1968	651,885	93,745	558,140	18,632,062	3.0
1969	726,951	51,304	675,647	20,056,240	3.4
970	820,780	69,813	750,967	21,139,386	3.6
1971	934.548	80.212	854.336	21.793.454	3.9
972	1,019,496	78,013	941,483	22,101,452	4.3
973	1,032,901	77,169	955,732	22,049,363	4.3
1974	959,284	76,789	882,495	21,223,133	4.2
1975	953.008	72.675	880.333	19.537.593	4.5
1976	963,768	64,711	899.057	19.946.496	4.5
977	1,011,002	55.626	955,376	19.520.581	4.9
978	965,545	52.532	913,013	19,627,478	4.7
1979	1,253,383	55,673	1,197,710	20,240,761	5.9
980	984.767	48.731	936.036	19,877,293	4.7
1981	903.949	59.372	844.577	19.403.858	4.4
982	933,336	51,728	881,608	18,001,055	4.9
1983	918,407	54,639	863,768	16,834,914	5.1
984	843,060	54,753	788,307	17,950,524	4.4
985	949.715	55,268	894,447	17,280,943	5.2
986	750.449	61,271	689,178	16.221.296	4.2
1987	992,532	54,020	938,512	17,210,809	5.5
1988	1,293,812	73,638	1,220,174	18,029,588	6.8
1989	1,381,520	106,871	1,274,648	18,800,830	6.8
990	1,532,259	85,565	1,446,694	18,716,269	7.6
1991	1,773,313	129,244	1,644,068	19,035,156	8.4
992	2,137,504	216,282	1,921,222	19,544,364	9.7
993	2,350,115	140,183	2,209,931	20,279,095	10.9
994	2,623,839	161,738	2,462,101	20,707,717	11.9
1995	2,841,048	154,119	2,686,929	21,580,665	12.5
1996	2,937,413	153,393	2,784,020	21,966,991	12.5
1997	2,994,173	157,006	2,784,020	21,900,991	12.7
					12.9
1998	3,152,058	159,007	2,993,051	<sup>a</sup> 21,354,000	14.0

<sup>a</sup> Preliminary data. - = Not Applicable.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska.

Sources: Total Consumption: Natural Gas Annual 1990 Volume 2

for 1955 through 1989; Natural Gas Monthly July 1995 for 1989 and 1990, August 1999 for 1991 through 1998. All Other Data: 1955-1971: Federal Power Commission, informally collected by letter. 1972-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 1998: Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports.

		Volume		Avera	ge Btu	Rev	enue	Average Price					
Source	(million o	ubic feet)	Percent Change	· ·	: Foot)	(thousan	d dollars)	(dol thou cubic		Percent Change		lars/ n Btu)	Percent Change
	1997	1998		1997	1998	1997	1998	1997	1998	j-	1997	1998	
Pipeline													
Canada Mexico Total	2,899,152 17,243 2,916,394	3,052,073 14,532 3,066,605	5.3 -15.7 5.2	1,021 1,013 1,021	1,021 1,013 1,021	6,243,102 39,893 6,282,994	5,954,906 29,554 5,984,460	2.15 2.31 2.15	1.95 2.03 1.95	-9.3 -12.1 -9.3	2.11 2.28 2.11	1.91 2.01 1.91	-9.5 -11.8 -9.5
LNG													
Algeria Australia Un. Arab Emirates Total	65,675 9,686 2,417 77,778	68,567 11,634 5,252 85,453	4.4 20.1 117.3 9.9	1,100 1,141 1,115 1,106	1,162 1,164	175,618 28,315 9,028 212,961	172,260 38,381 13,806 224,447	2.67 2.92 3.74 2.74	2.51 3.30 2.63 2.63	-6.0 13.0 -29.7 -4.0	2.43 2.56 3.35 2.48	2.31 2.84 2.26 2.38	-4.9 10.9 -32.5 -4.0
Grand Total	2,994,173	3,152,058	5.3	1,023	1,023	6,495,955	6,208,908	2.17	1.97	-9.2	2.12	1.93	-9.0

### Table SR2. Summary of U.S. Natural Gas Imports, 1997-1998

**Notes:** Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. Prices for LNG imports are reported as "landed," defined as received at the terminal or "tailgate," defined as after regasification at the terminal. Generally, prices for shipments received at Everett, MA are reported as landed and at Lake Charles, LA as tailgate. For 1997 and 1998, the percentages of volumes associated with the type of price are: Algeria-1997,

57 percent landed, 43 percent tailgate; 1998, 55 percent landed, 45 percent tailgate. **Australia**-1997, 74 percent landed, 26 percent tailgate; 1998, 39 percent landed, 61 percent tailgate. United Arab Emirates-1997, 100 percent landed; 1998, nearly 100 percent tailgate. Sources: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas* 

Imports and Exports.

### Table SR3. Summary of U.S. Natural Gas Exports, 1997-1998

		Volume		Avera	ge Btu	Reve	nue			Average Price				
Source	(million cu	ubic feet)	Percent Change	· ·	: Foot)	(thousand	l dollars)	(dol thou cubic		Percent Change		lars/ n Btu)	Percent Change	
	1997	1998		1997	1998	1997	1998	1997	1998		1997	1998		
Pipeline														
Canada Mexico Total	56,447 38,372 94,818	39,891 53,133 93,023	-29.3 38.5 -1.9	1,013 1,011 1,012	1,013 1,011 1,012	142,153 94,287 236,440	89,714 108,264 197,978	2.52 2.46 2.49	2.25 2.04 2.13	-10.7 -17.1 -14.5	2.49 2.43 2.46	2.22 2.02 2.10	-16.9	
LNG														
Japan Mexico Total	62,187 0 62,187	65,951 33 65,984	6.1 100.0 6.1	1,010 0 1,010	, -	238,404 0 238,404	191,609 185 191,794	3.83 3.83	2.91 5.69 2.91	-24.0 100.0 -24.0	3.80 3.80	2.88 5.63 2.88	100.0	
Grand Total	157,006	159,007	1.3	1,011	1,011	474,844	389,772	3.02	2.45	-18.9	2.99	2.42	-19.1	

- Not Applicable.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. The price of LNG exports to Japan is the "landed" price, defined as

received at the terminal in Japan.

Sources: Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports.

			Import	s From				
Year	Pipe	line		L	NG		Total	Average
	Canada	Mexico	Algeria	Australia	United Arab Emirates	Others	Imports <sup>a</sup>	Price
1955	10,881	7	0	0	0	0	10,888	NA
1956	10,374	6	0	0	0 0	0 0	10,380	NA
1957	20,971	16,970	0	0	0	0	37,941	NA
1958	89,586	46,211	0	0	0	0	135,797	NA
1959			0	0	0	0	,	NA
1959	83,061	50,929	0	0	0	0	133,990	
1960	108,657	46,989	0	0	0	0	155,646	NA
1961	167,104	51,756	0	0	0	0	218,860	NA
1962	350,438	51,096	0	0	0	0	401,534	NA
1963	356,455	49,749	ů 0	õ	0 0	Ő	406,204	NA
1964	390,721	52,605	0 0	Ő	0	0	443,326	NA
1904	390,721	52,005	0	0	0	0	445,520	
1965	404,686	51,708	0	0	0	0	456,394	NA NA
1966	430,189	49,591	0	0	0	0	479,780	
1967	513,255	50,971	0	0	0	0	564,226	NA
1968	604,462	47,423	0	0	0	0	651,885	NA
1969	680,106	46,845	0	0	0	0	726,951	NA
1970	778,687	41,336	757	0	0	0	820,780	NA
1971	910,926	20,689	1,433	0	0	<sup>b</sup> 1.500	934,548	NA
1972	1,009,093	8,140	2,032	õ	0 0	<sup>b</sup> 230	1,019,496	0.31
1973	1,027,216	1,632	3,388	Ő	Ő	<sup>b</sup> 667	1,032,901	0.35
1974	959,063	222	0	0	0	007	959,284	0.55
4075	040 445	0	4 000	0	0	0	050.000	4.04
1975	948,115	0	4,893	0	0	0	953,008	1.21
1976	953,613	0	10,155	0	0	0	963,768	1.72
1977	996,723	2,384	11,324	0	0	₽572	1,011,002	1.98
1978	881,123	0	84,422	0	0	0	965,545	2.13
1979	1,000,775	0	252,608	0	0	0	1,253,383	2.49
1980	796,507	102,410	85,850	0	0	0	984,767	4.28
1981	762,107	105,013	36,824	0	0	<b>b</b> 6	903,949	4.88
1982	783,407	94,794	55,136	0	0	0	933,336	5.03
1983	711,923	75,361	131,124	0	0	0	918,407	4.78
1984	755,368	51,502	36,191	0	0	0	843,060	4.08
1985	926,056	0	23,659	0	0	0	949,715	3.21
1986	748,780	0	23,059	0	0	°1,669	750,449	2.43
	,	-	0	-	-	,		
1987	992,532	0	-	0	0	0	992,532	1.95
1988	1,276,322	0	17,490	0	0	0	1,293,812	1.84
1989	1,339,357	0	42,163	0	0	0	1,381,520	1.82
1990	1,448,065	0	84,193	0	0	0	1,532,259	1.94
1991	1,709,716	0	63,596	0	0	0	1,773,313	1.83
1992	2,094,387	0	43,116	0	0	0	2,137,504	1.85
1993	2,266,751	1,678	81,685	0	0	0	2,350,115	2.03
1994	2,566,049	7,013	50,778	0	0	0	2,623,839	1.87
1995	2,816,408	6,722	17,918	0	0	0	2,841,048	1.49
1996	2,883,277	13,862	35,325	0	4.949	0	2,937,413	1.49
					/	0		
1997	2,899,152	17,243	65,675	9,685	2,417		2,994,173	2.17
1998	3,052,073	14,532	68,567	11,634	5,252	0	3,152,058	1.97

### Table SR4. Historical Summary of U.S. Natural Gas Imports, 1955-1998

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

<sup>a</sup> Volumes reported for 1966 through 1997 are on a pressure base of 14.73 pounds per square inch absolute and 60 degrees Fahrenheit. Volumes for 1955 through 1965 are as reported.

<sup>b</sup> Received from Canada.

<sup>c</sup> Received from Indonesia.

NA Not Available.

**Notes:** Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. Prices for LNG imports are reported as "landed," defined as received at the terminal or "tailgate," defined as after regasification at the terminal. Generally, prices for shipments received at Everett, MA are reported as landed and at Lake Charles,

LA as tailgate. For 1997 and 1998, the percentages of volumes associated with the type of price are: **Algeria**-1997, 57 percent landed, 43 percent tailgate; 1998, 55 percent landed, 45 percent tailgate. **Australia**-1997, 74 percent landed, 26 percent tailgate; 1998, 39 percent landed, 61 percent tailgate. **United Arab Emirates**-1997, 100 percent landed; 1998, nearly 100 percent tailgate.

**Sources:** 1955-1971 Federal Power Commission, informally collected by letter. 1972-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 1998: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* 

		Exports to				
Year	Pipe	eline	LNG	Total Exports	Average Price	
	Canada	Mexico	Japan			
955	11,467	19,562	0	31,029	NA	
956	16,819	19,144	Õ	35,963	NA	
957	,		0		NA	
	30,867	10,788		41,655	NA	
958	32,129	6,590	0	38,719		
59	11,739	6,674	0	18,413	NA	
60	5,759	5,573	0	11,332	NA	
61	5,577	5,170	0	10,747	NA	
62	5,574	10,240	Õ	15,814	NA	
			0		NA	
63	6,879	10,078		16,957	NA	
64	9,763	9,840	0	19,603	NA	
65	17,979	8,153	0	26,132	NA	
66	20,281	4,358	0	24,639	NA	
67	70,456	11,158	Õ	81,614	NA	
68	81,647	12,098	0	93,745	NA	
	,	,		· ·	NA	
969	34,931	13,391	2,982	51,304		
070	10,878	14,678	44,257	69,813	NA	
071	14,349	15,632	50,231	80,212	NA	
972	15,553	14,579	47,882	78,013	0.51	
973	14,824	13,999	48,346	77,169	0.54	
974	13,263	13,268	50,258	76,789	0.72	
// 4	15,205	13,200	50,250	10,105	0.72	
975	10,219	9,454	53,002	72,675	1.25	
976	7,506	7,425	49,779	64,711	1.55	
977	31	3,940	51,655	55,626	1.92	
978	66	4,033	48,434	52,532	2.13	
979	76	4,308	51,289	55,673	2.29	
	440	0.000	44 700	40 704	4.70	
980	113	3,886	44,732	48,731	4.70	
981	106	3,337	55,929	59,372	5.90	
982	162	1,705	49,861	51,728	5.81	
983	136	1,646	52,857	54,639	5.10	
984	127	1,786	52,840	54,753	4.92	
985	178	2,207	52,883	55,268	4.77	
986	9,203	1,896	50,172	61,271	2.81	
987	3,297	2,125	48,599	54,020	3.07	
988	19,738	2,327	51,573	73,638	2.74	
989	38,443	17,004	51,424	106,871	2.51	
990	17,359	15,659	52,546	85,565	3.10	
991	14,791	60,448	54,005	129,244	2.59	
	,					
992	67,777	95,973	52,532	216,282	2.25	
993	44,518	39,676	55,989	140,183	2.59	
994	52,556	46,500	62,682	161,738	2.50	
95	27,554	61,283	65,283	154,119	2.39	
996	51,905	33,840	67,648	153,393	2.97	
997	56,447	38,372	62,187	157,006	3.02	
998	39,891	53,133	65,951	<sup>a</sup> 159,007	2.45	

# Table SR5. Historical Summary of U.S. Natural Gas Exports, 1955-1998

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

 $^{\rm a}\,$  Includes 33 million cubic feet of LNG exports to Mexico by truck.  $^{\rm NA}\,$  Not Available.

**Notes:** Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. The price of LNG exports to Japan is the "landed" price, defined as received at the terminal in Japan.

**Sources:** Federal Power Commission, informally collected by letter. 1972-1994: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 1998: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* 

					Canada	(Pipeline)				
	Pacific N	lorthwest	w	est			Mid	west		
Year and Month	Suma	as, WA	Eastp	ort, ID	Babl	o, MT	Detro	oit, MI		onal Falls, IN
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1997										
January	33,173	3.18	72,616	2.46	1,895	1.61	1,390	3.70	681	2.56
February	27,443	2.06	65,440	1.93	1,721	1.26	1,174	3.04	594	2.75
March	31,209	1.14	73,033	1.31	2,018	1.22	921	2.41	658	1.81
A 11	00 504	4.40	74.000	4.00	070	4.00	4 405	0.04	500	4.07
April	29,521	1.18	71,320	1.28	973	1.29	1,195	2.04	520	1.67
May	27,455	1.41	71,307	1.40	1,038	1.40	883	2.10	510	1.92
June	26,557	1.38	68,206	1.37	2,009	1.35	712	2.19	478	1.85
July	25.801	1.29	70,432	1.35	1.743	1.35	920	2.09	496	1.76
August	30.095	1.22	71,778	1.33	1,507	1.29	824	2.16	420	1.65
September	29,121	1.33	69,963	1.43	1,901	1.29	657	2.36	408	1.72
	~~~~	. = .							- 10	
October	32,391	1.59	73,598	1.69	844	1.41	1,086	2.26	512	2.02
November	37,581	2.39	74,465	2.08	1,322	1.78	829	2.54	616	2.27
December	29,916	1.73	74,344	1.61	1,506	1.70	909	2.52	652	1.99
Total	360,261	1.69	856,503	1.60	18,477	1.40	11,501	2.51	6,544	2.03
1998										
January	40,595	1.88	77,439	1.54	1,803	1.63	1,076	2.66	651	1.88
February	31,310	1.53	68,272	1.44	1,744	1.58	758	2.50	583	1.76
March	33,587	1.40	76,659	1.54	1,623	1.63	921	2.36	634	2.00
April	30,712	1.59	74,345	1.61	1,082	1.80	956	2.29	427	2.03
May	26.860	1.71	73.672	1.68	1,635	1.00	868	2.44	417	2.00
June	25,448	1.43	68,583	1.45	1,614	1.70	1,218	2.24	401	1.92
	-, -		/		7 -		, -			
July	29,365	1.53	73,154	1.51	1,450	1.43	1,292	2.39	475	2.02
August	34,036	1.65	73,253	1.58	1,773	1.44	884	2.37	496	1.97
September	32,158	1.56	73,457	1.40	1,599	1.32	536	2.46	469	1.67
October	31.364	1.83	72,653	1.59	1,123	1.66	1,032	2.40	522	2.14
November	29,459	2.15	73,781	1.88	1,069	1.93	626	2.54	493	2.26
December	29,771	2.27	74,573	1.94	1,261	1.94	759	2.67	537	2.25
Total	374,666	1.71	879,840	1.60	17,776	1.65	10,925	2.43	6,103	2.00

 Table SR6. U.S. Natural Gas Imports by Point of Entry, 1997-1998

 (Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1997-1998(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet) —<br/>Continued

					Canada	(Pipeline)				
					Mid	west				
Year and Month	Marys	ville, MI	Noyes, MN		Port of del Bonita, MT		Port of Morgan, MT		Portal, ND	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
997										
January	0	-	41,437	3.69	5	1.05	47,779	3.53	358	3.75
February	0	-	31,710	2.82	5	1.05	42,209	2.39	282	2.41
March	0	-	33,867	1.93	5	1.05	46,923	1.34	625	1.31
April	0	-	32,291	1.91	5	1.05	44,456	1.51	633	1.22
May	0	-	32,819	2.08	5	1.05	45,438	1.63	652	1.30
June	0	-	30,238	2.22	3	1.05	43,413	1.79	510	1.25
July	0	-	30,630	2.13	5	1.05	44,688	1.80	645	1.21
August	0	-	31,340	2.09	5	1.05	45,576	1.88	926	1.23
September	0	-	32,005	2.25	5	1.05	44,943	2.27	317	1.12
October	0	-	31,377	2.71	5	1.02	46,366	2.70	1,005	1.69
November	0	-	34,838	2.90	5	1.01	47,091	3.02	854	2.58
December	0	-	33,099	2.43	5	1.00	49,141	2.20	866	1.75
Total	0	-	395,650	2.46	58	1.04	548,022	2.18	7,672	1.67
998										
January	0	-	38,223	2.26	5	1.15	50,322	2.01	885	1.94
February	0	-	37,558	2.14	5	1.18	44,172	1.81	823	1.68
March	0	-	35,239	2.33	6	1.34	48,273	1.90	910	1.82
April	0	-	35,443	2.24	5	1.44	45,198	1.98	877	1.82
May	0	-	36,371	1.97	5	1.71	47,922	1.93	626	1.72
June	0	-	35,909	2.00	0	-	42,488	1.78	895	1.61
July	399	2.48	44,516	2.06	0	-	46,389	2.03	910	1.60
August	862	2.19	42,102	1.74	0	-	47,318	1.64	921	1.68
September	406	1.91	37,034	1.74	0	-	45,144	1.38	895	1.55
October	159	1.98	44,390	2.09	0	-	45,125	1.71	744	1.51
November	0	-	42,504	2.14	0	-	43,246	1.85	394	1.82
December	0	-	39,287	2.16	0	-	50,617	1.88	388	1.96
Total	1,827	2.17	468,576	2.07	25	1.37	556,215	1.83	9,268	1.71

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1997-1998(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet) — Continued

					Canada	(Pipeline)				
Year			1	Mid	west		1		Nort	heast
and Month	St Cl	air, MI	Warro	ad, MN	Whitla	sh, MT	То	tal	Champ	lain, NY
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
997										
January	2,717	3.98	86	3.61	638	1.83	96,986	3.56	1,541	3.41
February	1,274	3.30	77	2.15	544	2.24	79,590	2.56	1,433	3.37
March	14	2.20	62	1.20	603	1.42	85,696	1.59	1,527	3.34
April	679	2.18	48	1.18	510	1.21	81,309	1.68	1,343	3.35
	519	2.47	29	1.45	518	1.46	82,412	1.82	1,408	3.38
June	799	2.52	15	1.67	482	1.39	78,657	1.95	1,334	3.39
July	466	2.36	13	1.57	501	1.34	80,107	1.92	1,329	3.39
August	715	2.42	5	1.52	496	1.26	81,813	1.95	1,259	3.39
September	748	2.84	16	1.86	477	2.04	81,476	2.24	1,330	3.39
October	1,635	3.20	35	2.60	523	1.44	83,389	2.67	1,466	3.40
November	1,351	3.58	62	2.06	543	1.79	87,512	2.94	1,237	3.52
December	939	2.84	63	2.88	586	1.79	87,766	2.28	1,463	3.49
Total	11,855	3.16	512	2.22	6,420	1.61	1,006,712	2.28	16,669	3.40
998										
January	1,453	2.37	83	1.64	765	1.19	95,267	2.11	748	3.40
February	308	2.40	59	1.35	729	1.25	86,739	1.95	1,074	3.44
March	78	2.61	62	1.58	711	1.34	88,455	2.07	1,501	3.47
April	1,708	2.58	32	1.67	645	1.44	86,371	2.09	1,296	3.53
May	1,282	2.45	18	1.65	657	1.71	89,801	1.96	1,339	3.53
June	1,734	2.21	19	1.42	109	1.45	84,386	1.88	1,336	3.53
July	5,262	2.17	11	1.73	121	1.42	100,827	2.04	1,360	3.53
August	7,896	1.88	13	1.34	121	1.49	102,386	1.71	1,327	3.52
September	7,290	1.83	15	1.13	115	1.24	93,502	1.57	1,357	3.53
October	4,577	2.09	27	1.52	759	1.59	98,457	1.91	1,310	3.55
November	1,183	2.06	54	2.12	852	1.93	90,422	2.00	1,121	3.67
December	1,821	2.27	81	2.15	948	2.01	95,699	2.02	1,486	3.63
Total	34,592	2.07	473	1.71	6,533	1.57	1,112,312	1.94	15,258	3.53

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1997-1998(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet) — Continued

					Canada	(Pipeline)				
					Nort	heast				
Year and Month		Island, IY		Springs, T	Massena, NY		Niagara Falls, NY		North Troy, VT	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1997										
January	5,635	4.65	1,159	2.97	1,430	3.22	26,740	3.74	974	3.01
February	5,177	3.66	965	2.36	1,299	3.30	23,876	3.22	880	3.28
March	6,577	2.81	1,027	2.12	1,403	2.80	24,406	2.54	974	3.60
April	2,039	2.92	682	2.26	1,049	2.85	23,945	2.38	933	2.73
May	2,274	3.00	500	2.78	973	2.98	22,969	2.56	964	2.78
June	2,162	3.10	293	3.32	786	3.15	22,585	2.58	923	2.75
July	2,185	3.02	280	3.32	837	3.10	23,781	2.55	852	2.73
August	2,105	3.04	300	3.12	770	3.16	24,305	2.58	955	2.80
September	1,981	3.22	372	2.99	845	3.08	22,885	2.76	918	2.91
October	2,272	3.56	622	2.95	988	3.00	25,753	3.02	971	3.08
November	5,022	3.72	856	3.02	1,177	3.00	23,879	3.40	898	3.13
December	4,873	3.18	1,080	2.28	1,371	2.93	23,740	2.99	964	2.70
Total	42,302	3.42	8,136	2.66	12,927	3.04	288,865	2.87	11,207	2.96
1998										
January	5,551	2.86	1,216	2.08	1,053	3.00	27,689	2.86	962	3.08
February	4,547	2.88	970	2.00	1,142	2.91	22,107	2.79	869	3.13
March	5,174	3.06	954	2.24	1,166	2.93	25,181	2.78	962	2.70
April	3,264	3.06	576	2.75	904	3.06	25,112	2.74	931	2.75
	2,086	3.33	364	2.89	736	3.24	23,165	2.71	962	2.75
June	3,175	2.85	327	2.85	849	3.20	26,299	2.57	931	2.75
July	3,110	2.90	326	3.05	507	2.31	24,797	2.64	940	2.57
August	3,131	2.44	306	2.77	445	2.00	26,698	2.47	965	2.54
September	3,416	2.37	347	2.37	442	1.77	25,048	2.32	933	2.55
October	3,538	2.60	550	2.10	502	2.19	26,273	2.43	964	2.68
November	3,863	2.75	752	2.59	659	2.59	24,056	2.57	933	2.69
December	4,127	2.61	993	2.77	780	2.74	27,175	2.56	964	2.82
Total	44,981	2.80	7,680	2.43	9,184	2.78	303,599	2.62	11,319	2.75

Table SR6. U.S. Natural Gas Imports by Point of Entry, 1997-1998(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet) —<br/>Continued

			Canada	(Pipeline)				Ме	exico (Pipeli	ne)	
		Nort	heast		To	tal			Texas		
Year and Month		ington, IY	Тс	otal		Average	El Pa	so, TX	Hidal	go, TX	Penitas, TX
	Volume	Average Price	Volume	Average Price	Volume	Price	Volume	Average Price	Volume	Average Price	Volume
1997											
January	26,502	3.82	63,980	3.81	266,756	3.27	0	-	1,555	3.09	0
February	24,250	3.32	57,880	3.29	230,352	2.50	0	-	2,526	2.49	0
March	25,475	2.56	61,390	2.62	251,328	1.70	0	-	3,127	1.83	0
April	23,292	2.31	53,282	2.41	235,431	1.66	0	-	189	1.92	0
	24,083	2.46	53,172	2.57	234,345	1.81	0	-	2,380	2.03	0
June	23,864	2.58	51,946	2.64	225,366	1.87	0	-	1,692	2.20	0
July	23,875	2.46	53,139	2.56	229,479	1.82	0	-	1,088	1.98	0
August	23,760	2.46	53,455	2.58	237,142	1.81	0	-	6	2.35	0
September	23,200	2.67	51,530	2.76	232,090	2.00	0	-	29	2.47	0
October	24,292	2.96	56,364	3.03	245,742	2.32	0		965	2.92	0
November	25,155	3.36	58,224	3.40	257,782	2.71	0	-	1,874	2.82	0
December	27,821	2.80	61,313	2.91	253,338	2.17	0	-	1,810	2.12	0
Total	295,568	2.82	675,675	2.90	2,899,152	2.15	0	-	17,243	2.31	0
1998											
January	25,597	2.57	62,817	2.74	276,118	2.06	5	2.91	10	2.03	40
February	22,061	2.41	52,769	2.65	239,091	1.90	21	1.86	2,163	2.04	0
March	23,846	2.52	58,784	2.71	257,485	1.97	0	-	380	2.20	0
April	23,852	2.58	55,935	2.72	247,363	2.03	0	-	3,249	2.37	0
	24,883	2.50	53,535	2.67	243,868	2.00	0	-	845	2.15	0
June	24,512	2.32	57,429	2.51	235,847	1.86	0	-	5	2.21	0
July	25,027	2.49	56,067	2.61	259,412	1.96	812	2.19	1,009	2.09	0
August	25,990	2.10	58,860	2.33	268,535	1.80	0	-	1,413	1.78	0
September	24,092	2.02	55,635	2.22	254,752	1.66	157	1.60	2,100	1.88	0
October	24,523	2.35	57,661	2.43	260,135	1.92	0	-	905	1.65	0
November	22,926	2.37	54,310	2.52	247,971	2.09	0	-	0	-	0
December	25,927	2.38	61,452	2.52	261,495	2.14	0	-	1,418	1.77	0
Total	293,234	2.38	685,255	2.55	3,052,073	1.95	996	2.09	13,496	2.03	40

### Table SR6. U.S. Natural Gas Imports by Point of Entry, 1997-1998

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet) ----Continued

	Me	xico (Pipeli	ne)			LI	NG			Grand	Total
Veer	Texas	Тс	otal	Mid	west	Nort	heast	Тс	otal		
Year and Month	Penitas, TX		Average	Lake Ch	arles, LA	Evere	ett, MA		Average	Volume	Average Price
	Average Price	Volume	Price	Volume	Average Price	Volume	Average Price	Volume	Price		
1997											
January	-	1,555	3.09	2,558	2.78	7,420	3.09	9.977	3.01	278,288	3.26
February	-	2,526	2.49	2,582	3.00	5,085	3.00	7,667	3.00	240,545	2.52
March	-	3,127	1.83	0	-	2,530	2.98	2,530	2.98	256,985	1.72
April		189	1.92	2,557	2.23	0	-	2,557	2.23	238,178	1.67
May	-	2,380	2.03	2,552	2.20	2,455	2.68	5.007	2.44	241,732	1.83
June	-	1,692	2.20	2,555	2.49	2,504	2.49	5,059	2.49	232,118	1.88
July	-	1,088	1.98	2,528	2.48	2,498	2.47	5,026	2.48	235,593	1.84
August	-	6	2.35	2,551	2.43	4,984	2.43	7,535	2.43	244,684	1.83
September	-	29	2.47	2,553	2.41	4,814	2.64	7,367	2.56	239,486	2.01
October	-	965	2.92	2,541	2.69	2,509	2.70	5,050	2.70	251,758	2.33
November	-	1,874	2.82	5,076	2.98	7,359	2.95	12,435	2.96	272,091	2.72
December	-	1,810	2.12	2,543	2.88	5,024	2.88	7,567	2.88	262,716	2.19
Total	-	17,243	2.31	30,596	2.63	47,183	2.81	77,778	2.74	2,994,173	2.17
1998											
January	2.04	55	2.12	2,512	2.52	7,593	2.50	10,105	2.51	286,278	2.07
February	-	2,184	2.04	2,553	2.52	7,224	2.95	9,777	2.84	251,052	1.94
March	-	380	2.20	0	-	5,166	2.50	5,166	2.50	263,032	1.98
April	-	3,249	2.37	2,549	2.52	0	-	2,549	2.52	253,161	2.04
May	-	845	2.15	2,535	2.52	5,062	2.50	7,596	2.51	252,310	2.02
June	-	5	2.21	5,020	2.71	2,570	2.50	7,590	2.64	243,442	1.89
July	-	1,821	2.13	5,086	2.52	0	-	5,086	2.52	266,319	1.97
August	-	1,413	1.78	4,862	2.71	0	-	4,862	2.71	274,809	1.82
September	-	2,257	1.86	5,133	2.52	0	-	5,133	2.52	262,142	1.68
October	-	905	1.65	0	-	5,023	2.50	5,023	2.50	266,063	1.93
November	-	0	-	5,207	2.66	4,855	3.01	10,062	2.83	258,033	2.12
December	-	1,418	1.77	7,467	2.71	5,037	2.50	12,504	2.63	275,417	2.16
Total	2.04	14,532	2.03	42,922	2.62	42,531	2.64	85,453	2.63	3,152,058	1.97

 Not Applicable.
 Notes: Totals may not equal sum of components due to independent Alaska. Prices for LNG imports are reported as "landed," defined as received at the terminal or "tailgate," defined as after regasification at the terminal. Generally, prices for shipments received at Everett, MA are reported as landed and at Lake Charles, LA as tailgate. For 1997 and 1998, the percentages of volumes associated with the type of price are: Algeria-1997, 57 percent landed, 43 percent tailgate; 1998, 55 percent landed, 45 percent tailgate. Australia-1997, 74 percent landed, 26 percent tailgate; 1998, 39 percent landed, 61 percent tailgate. United Arab Emirates-1997, 100 percent landed; 1998, nearly 100 percent tailgate. Sources: Office of Fossil Energy, U.S. Department of Energy, *Natural Gas Imports and Exports.* 

		Pipe	eline		Total P	ipeline
Year and	Can	ada	Mex	ico		Average
Month	Volume	Average Price	Volume	Average Price	Volume	Price
978 Total	881,123	2.19	0	-	881,123	2.19
979 Total	1,000,775	2.61	0	-	1,000,775	2.61
980 Total	796,507	4.32	102,410	4.41	898,917	4.33
981 Total	762,107	4.83	105,013	5.01	867,120	4.85
901 10tal	762,107	4.03	105,015	5.01	007,120	4.00
982 Total	783,407	4.97	94,794	5.02	878,200	4.98
983 Total	711,923	4.49	75,361	4.70	787,284	4.51
984 Total	755,368	4.01	51,502	4.49	806,870	4.04
985 Total	926,056	3.17	0	-	926,056	3.17
986 Total	748,780	2.42	0	-	748,780	2.42
097 Total	002 522	1.05	0	-	002 522	1.95
987 Total	992,532	1.95	0	-	992,532	
988 Total	1,276,322	1.83	-	-	1,276,322	1.83
989 Total	1,339,357	1.81	0	-	1,339,357	1.81
990 Total	1,448,065	1.91	0	-	1,448,065	1.91
991 Total	1,709,716	1.81	0	-	1,709,716	1.81
992 Total	2,094,387	1.84	0	-	2,094,387	1.84
993 Total	2,266,751	2.02	1,678	1.94	2,268,429	2.02
994 Total	2,566,049	1.86	7,013	1.99	2,572,377	1.86
995 Total	2,816,408	1.48	6,722	1.53	2,823,130	1.48
			,			
996 Total	2,883,277	1.96	13,862	2.25	2,897,138	1.96
997						
January	266,756	3.27	1,555	3.09	268,310	3.27
February	230,352	2.50	2,526	2.49	232,878	2.50
March	251,328	1.70	3,127	1.83	254,455	1.70
April	235,431	1.66	189	1.92	235,621	1.66
May	234,345	1.81	2,380	2.03	236,725	1.82
					,	
June	225,366	1.87	1,692	2.20	227,059	1.87
July	229,479	1.82	1,088	1.98	230,567	1.82
August	237,142	1.81	6	2.35	237,149	1.81
September	232,090	2.00	29	2.47	232,119	2.00
Octobor	245 742	2.22	065	2.02	246 707	2.22
October	245,742	2.32	965 1 874	2.92	246,707	2.32
November	257,782	2.71	1,874	2.82	259,656	2.71
December	253,338	2.17	1,810	2.12	255,149	2.17
Total	2,899,152	2.15	17,243	2.31	2,916,394	2.15
998						
January	276,118	2.06	55	2.12	276,173	2.06
February	239,091	1.90	2,184	2.04	241,275	1.90
March	257,485	1.97	380	2.20	257,866	1.97
April	247 262	2 02	2 240	2 27	250 612	2 02
April	247,363 243,868	2.03	3,249	2.37	250,612	2.03
May	,	2.00	845	2.15	244,713	2.00
June	235,847	1.86	5	2.21	235,852	1.86
July	259,412	1.96	1,821	2.13	261,233	1.96
August	268,535	1.80	1,413	1.78	269,948	1.80
September	254,752	1.66	2,257	1.86	257,009	1.66
Octobor	260 425	1.00	005	1.05	264 040	4.00
October	260,135	1.92	905	1.65	261,040	1.92
November	247,971	2.09	0		247,971	2.09
December	261,495	2.14	1,418	1.77	262,913	2.14

 Table SR7. Summary of U.S. Natural Gas Imports, 1977-1998

 (Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

### Table SR7. Summary of U.S. Natural Gas Imports, 1977-1998

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet) — Continued

				LI	NG				Grand	I Total
Year and	Alg	eria	Aust	ralia	United Ara	b Emirates	Ot	ner		Average
Month	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1978 Total	84,422	1.53	0	-	0	-	0	-	965,545	2.13
1979 Total	252,608	2.03	0 0	-	0 0	-	Õ	-	1,253,383	2.49
1980 Total	85,850	3.77	Ő	-	Ő	-	Ő	-	984,767	4.28
1981 Total	36,824	5.54	0	-	0	-	6	6.63	903,949	4.88
	00,024	0.04			-				500,545	4.00
1982 Total	55,136	5.82	0	-	0	-	0	-	933,336	5.03
1983 Total	131,124	6.41	0	-	0	-	0	-	918,407	4.78
1984 Total	36,191	4.90	0	-	0	-	0	-	843,060	4.08
1985 Total	23,659	4.60	0	-	0	-	0	-	949,715	3.21
1986 Total	0	-	0	-	0	-	a1,669	<sup>a</sup> 4.62	750,449	2.43
1987 Total	0		0	-	0	-	0		992,532	1.95
1988 Total	17,490	2.71	0	-	0	-	0	-	1,293,812	1.84
	,				-	-	0	-		
1989 Total	42,163	2.22	0	-	0	-		-	1,381,520	1.82
1990 Total	84,193	2.47	0	-	0	-	0	-	1,532,259	1.94
1991 Total	63,596	2.36	0	•	0	-	0	•	1,773,313	1.83
1992 Total	43,116	2.54	0	-	0	-	0	-	2,137,504	1.85
1993 Total	81,685	2.20	0	-	0	-	0	-	2,350,115	2.03
1994 Total	50,778	2.28	0	-	0	-	0	-	2,623,839	1.87
1995 Total	17,918	2.30	0	-	0	-	0	-	2,841,048	1.49
1996 Total	35,325	2.70	0	-	4,949	3.46	Ő	-	2,937,413	1.97
4007										
1997										
January	7,560	2.78	0	-	2,417	3.74	0	-	278,288	3.26
February	7,667	3.00	0	-	0	-	0	-	240,545	2.52
March	2,530	2.98	0	-	0	-	0	-	256,985	1.72
April	2,557	2.23	0	-	0	-	0	-	238,178	1.67
May	2,552	2.20	2,455	2.68	0	-	0	-	241,732	1.83
June	5,059	2.49	0	-	0	-	0	-	232,118	1.88
July	5,026	2.48	0	-	0	-	0		235,593	1.84
	7,535	2.40	0		0	-	0	-	233,533	1.83
August		2.43		2.88	0	-	0	-		2.01
September	5,030	2.41	2,337	2.00	0		0		239,486	2.01
October	5,050	2.70	0	-	0	-	0	-	251,758	2.33
November	7,542	2.89	4,893	3.07	0	-	0	-	272,091	2.72
December	7,567	2.88	0	-	0	-	0	-	262,716	2.19
Total	65,675	2.67	9,686	2.92	2,417	3.74	0		2,994,173	2.17
1998										
January	10,105	2.51	0	-	0	-	0	-	286,278	2.07
February	7.606	2.51	2.171	3.99	0	-	0	-	251,052	1.94
March	5,166	2.50	0	-	0	-	0	-	263,032	1.98
April	2,549	2.52	0	-	0	-	0	-	253,161	2.04
May	7,596	2.52	0	-	0	-	0	-	252,310	2.04
				2.01	0	-	0			
June	5,149	2.51	2,441	2.91	0		0		243,442	1.89
July	5,086	2.52	0	-	0	-	0	-	266,319	1.97
August	2,540	2.52	2,321	2.92	0	-	0	-	274,809	1.82
September	5,133	2.52	0	-	0	-	Ő	-	262,142	1.68
October	5,023	2.50	0	-	0	-	0		266,063	1.93
November							0			
	5,042	2.51	2,353	3.55	2,667	2.78		-	258,033	2.12
December	7,572	2.51	2,348	3.18	2,585	2.47	0		275,417	2.16
Total	68,567	2.51	11,634	3.30	5,252	2.63	0	-	3,152,058	1.97

<sup>a</sup> Received from Indonesia.

 Not Applicable.
 Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. Prices for LNG imports are reported as "landed," defined as received at the terminal or "tailgate," defined as after regasification at the terminal. Generally, prices for shipments received at Everett, MA are reported as landed and at Lake Charles, LA as tailgate. For 1997 and 1998, the percentages of volumes associated with the

type of price are: Algeria-1997, 57 percent landed, 43 percent tailgate; 1998, 55 percent landed, 45 percent tailgate. Australia-1997, 74 percent landed, 26 percent tailgate; 1998, 39 percent landed, 61 percent tailgate. United Arab Emirates-1997, 100 percent landed; 1998, nearly 100 percent tailgate.

Sources: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 1998: Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports.

Table SR8. U.S. Natural Gas Exports by Point of Exit, 1997-1998(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

Year and Month	Canada (Pipeline)											
	Detro	oit, MI	Marys	ville, MI	St Cla	air, MI	Sumas, WA					
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price				
997												
January	2,569	4.00	325	4.47	1,299	4.15	0	-				
February	2,397	2.88	298	2.92	2,474	3.18	Ő	-				
March	3,396	1.88	828	1.87	4,891	2.20	õ	-				
April	2 0 2 2	1.78	681	1.05	1 564	1.70	0					
April	2,923			1.95	1,564			_				
May	2,719	2.03	623	2.18	766	2.18	0	_				
June	1,950	2.25	623	2.39	589	2.27	0	-				
July	2,025	2.07	644	2.24	588	2.29	0	-				
August	2,641	2.09	644	2.20	535	2.38	0	-				
September	2,195	2.46	621	2.56	312	1.40	0	-				
October	1.860	2.97	0	-	572	2.46	0					
November	3,247	3.36	0 0		2,332	2.74	0 0	-				
December	3,158	2.84	0	-	4,160	2.39	0	-				
Total	31,080	2.55	5,286	2.36	20,080	2.51	0	-				
998												
January	2,490	2.84	493	2.15	1.947	2.23	0	-				
February	1,904	2.17	729	2.02	1,869	2.08	Ő	-				
March	3,917	2.17	807	2.23	3,127	2.33	0	-				
	3,917	2.19	807	2.23	3,127	2.33	0					
April	3,358	2.50	479	2.24	671	2.47	0	-				
	1,860	2.29	0	-	223	2.21	0	-				
June	1,900	2.03	0	-	38	2.14	0	-				
July	1,240	2.07	0	-	394	1.66	0	-				
August	1,240	-	0	-	52	1.87	0	-				
September	1,481	2.09	0	-	0	-	0	-				
Ostabaz	1 000	2.01	0		700	2.07	4.4	4.00				
October	1,380	2.01	0	0.44	703	2.07	44	1.80				
November	2,543	2.12	60	2.44	878	2.27	150	2.24				
December	2,835	2.19	808	2.19	1,494	2.36	14	11.82				
Total	24,908	2.26	3,377	2.17	11,397	2.23	208	2.80				

Year and Month	Canada	(Pipeline)	Mexico (Pipeline)								
	Тс	otal	Calexi	co, CA	Clin	t, TX	Douglas, AZ				
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price			
997											
January	4,193	4.08	0	-	0	-	555	4.09			
February	5,169	3.02	0	-	0	-	805	2.36			
March	9,115	2.05	0	-	0	-	780	1.49			
April	5,168	1.78	0		0		13	1.89			
May	4,107	2.08	0	-	0	-	78	1.95			
June	3,162	2.28	0	-	0	-	156	2.00			
July	3,257	2.14	0	2.53	0		328	2.00			
August	3,820	2.15	10	2.56	0	-	279	2.07			
September	3,129	2.37	13	2.84	0	-	386	2.33			
October	2,432	2.85	67	3.44	0		254	2.86			
November	5,579	3.10	91	3.70	0	-	17	2.90			
December	7,318	2.58	128	2.69	111	2.24	251	2.16			
Total	56,447	2.52	308	3.15	111	2.24	3,901	2.38			
998											
January	4,930	2.53	160	2.71	2,145	2.11	380	2.03			
February	4,502	2.11	125	2.45	1,489	2.05	400	1.89			
March	7,851	2.25	139	2.62	1,986	2.08	336	2.02			
April	4,509	2.47	143	2.73	1,770	2.18	255	2.10			
	2,083	2.28	141	2.75	2,610	2.09	438	1.97			
June	1,938	2.03	132	2.42	2,818	1.86	656	1.78			
July	1,634	1.97	148	2.56	2,530	2.21	329	1.87			
August	52	1.87	171	2.64	2,842	1.94	355	1.80			
September	1,481	2.09	209	2.36	1,970	1.74	121	1.67			
October	2,127	2.03	229	2.37	3,859	1.89	353	1.74			
November	3,630	2.17	235	2.70	3,459	1.95	298	1.94			
December	5,152	2.26	237	2.66	3,404	1.94	212	1.92			
Total	39,891	2.25	2,067	2.58	30,880	1.99	4,133	1.89			

Table SR8. U.S. Natural Gas Exports by Point of Exit, 1997-1998(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic<br/>Feet) — Continued

Table SR8. U.S. Natural Gas Exports by Point of Exit, 1997-1998(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic<br/>Feet) — Continued

Year and Month	Mexico (Pipeline)											
	Eagle F	Pass, TX	El Pa	so, TX	Hidal	go, TX	Penitas, TX					
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price				
997												
January	144	4.05	1,525	4.08	7	2.89	0	-				
February	121	2.92	672	2.17	79	2.22	0	-				
March	93	1.87	611	1.57	2	1.70	0	-				
April	92	1.96	2,087	1.72	853	2.10	0	-				
May	81	2.23	2,018	1.95	0	-	0	-				
June	75	2.45	1,810	2.14	429	2.14	109	2.19				
July	79	2.31	1,298	2.09	1,418	2.29	0	-				
August	64	2.35	1,984	2.22	3,776	2.46	169	2.43				
September	73	2.66	1,064	2.31	2,832	2.82	1,792	2.47				
October	149	3.20	2,505	2.77	783	3.01	424	3.00				
November	127	3.44	580	2.88	568	3.25	398	3.21				
December	163	2.59	1,626	2.26	1,288	2.30	84	2.26				
Total	1,260	2.79	17,779	2.36	12,035	2.54	2,977	2.62				
998												
January	140	2.37	418	2.08	531	2.07	484	1.99				
February	124	2.15	900	2.07	40	2.40	40	1.98				
March	124	2.39	677	2.26	544	2.13	396	2.12				
April	108	2.46	399	2.27	0	-	0	-				
May	106	2.45	759	2.13	2,064	2.14	0	-				
June	99	2.20	407	1.86	1,259	2.28	246	2.34				
July	102	2.53	53	2.35	689	2.18	0	-				
August	101	2.11	1,154	1.93	211	1.82	0	-				
September	108	1.80	484	1.93	0	-	0	-				
October	135	2.15	425	1.96	126	1.77	40	1.64				
November	146	2.12	599	2.07	341	1.90	0	-				
December	177	2.23	1,082	1.99	211	1.95	0	-				
Total	1,471	2.24	7,358	2.05	6,017	2.13	1,206	2.09				

	Mexico	(Pipeline)	Japar	(LNG)	Mexico	o (LNG)	Grand Total		
Year and	Тс	otal	Port Nil	kiski, AK	Noga	les, AZ			
Month	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	
1997									
January	2,231	4.08	5,604	4.25	0	-	12,028	4.16	
February	1,677	2.32	5,596	4.20	Ő	-	12,443	3.46	
March	1,486	1.55	5,675	4.16	0	-	16,276	2.74	
April	3,044	1.83	5,660	4.06	0		13,872	2.72	
May	2,177	1.96	3,812	3.83	0	-	10,097	2.72	
June						-			
June	2,579	2.14	3,786	3.72	0		9,527	2.81	
July	3,122	2.17	3,756	3.66	0	-	10,136	2.71	
August	6,282	2.37	7,532	3.62	0	-	17,633	2.86	
September	6,159	2.59	3,767	3.58	0	-	13,055	2.83	
October	4,182	2.87	5,676	3.58	0	-	12,289	3.19	
November	1,782	3.16	5,691	3.66	0	-	13,051	3.35	
December	3,650	2.30	5,631	3.58	0		16,600	2.86	
Total	38,372	2.46	62,187	3.83	0		157,006	3.02	
1998									
January	4.257	2.11	7.446	3.67	0	-	16,632	2.93	
February	3,117	2.06	3,726	3.42	õ	-	11,346	2.53	
March	4,202	2.14	7,435	3.09	Ő	-	19,488	2.55	
April	2.675	2.23	5.702	2.81	0	-	12.886	2.57	
May	6,119	2.12	1,891	2.70	0	-	10,093	2.26	
June	5,617	1.98	5,695	2.69	0		13,250	2.20	
July	3,852	2.20	5,679	2.70	0	-	11,166	2.42	
August	3,852 4,834	1.95	5,679	2.70	1	5.88	10,563	2.42	
		1.95			0	5.00			
September	2,892	1.01	7,584	2.68	U		11,957	2.40	
October	5,167	1.91	5,679	2.72	3	5.74	12,975	2.28	
November	5,079	2.00	3,776	2.75	9	5.69	12,494	2.28	
December	5,323	1.99	5,662	2.73	20	5.68	16,157	2.34	
Total	53,133	2.04	65,951	2.91	33	5.69	159,007	2.45	

# Table SR8. U.S. Natural Gas Exports by Point of Exit, 1997-1998 (Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet) — Continued

- Not Applicable.

Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. The price of LNG exports to

Japan is the "landed" price, defined as received at the terminal in Japan. Sources: Office of Fossil Energy, U.S. Department of Energy,

Natural Gas Imports and Exports.

		Pipe	eline		Total P	ipeline		LN	IG		Grand Total	
Year and	Can	ada	Mex	kico		Average	Jap	ban	Mex	kico		A
Month	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
1978 Total	66	1.79	4,033	1.65	4,098	1.66	48,434	2.17	0	-	52,532	2.13
1979 Total	76	2.04	4,308	1.97	4,384	1.97	51,289	2.32	0	-	55,673	2.29
1980 Total	113	3.31	3,886	2.47	3,999	2.50	44,732	4.90	0	-	48,731	4.70
1981 Total	106	4.79	3,337	3.37	3,443	3.41	55,929	6.05	0	-	59,372	5.90
1982 Total	162	4.95	1,705	5.17	1,867	5.15	49,861	5.83	0	-	51,728	5.81
1983 Total	136	4.60	1,646	4.79	1,782	4.78	52,857	5.11	0	-	54,639	5.10
1984 Total	127	4.19	1,786	4.48	1,913	4.46	52,840	4.93	0	-	54,753	4.92
1985 Total	178	3.06	2,207	3.99	2,385	3.92	52,883	4.81	0	-	55,268	4.77
1986 Total	9,203	2.12	1,896	3.49	11,099	2.35	50,172	2.91	0	-	61,271	2.81
1987 Total	3,297	1.81	2,125	3.18	5,421	2.35	48,599	3.15	0	-	54,020	3.07
1988 Total	19,738	2.02	2,327	3.21	22,065	2.14	51,573	2.99	0	-	73,638	2.74
1989 Total	38,443	2.00	17,004 15,659	2.14 1.88	55,447	2.05 2.31	51,424 52,546	3.01 3.59	0 0	-	106,871	2.51 3.10
1990 Total 1991 Total	17,359 14,791	2.70 1.91	60,448	1.88	33,018 75,239	1.79	52,546 54,005	3.59	0	-	85,565 129,244	2.59
1002 Total	67 777	1 0 2	05 072	1.90	162 750	1 00	E0 E00	2 4 2	0	-	216 292	2.25
1992 Total 1993 Total	67,777 44,518	1.83 2.14	95,973 39,676	2.02	163,750 84,195	1.88 2.08	52,532 55,989	3.43 3.34	0	-	216,282 140,183	2.25
1994 Total	52,556	2.14	46,500	1.68	99,057	2.08	62,682	3.18	0	-	161,738	2.59
1995 Total	27,554	1.96	61,283	1.50	88,836	1.64	65,283	3.41	0	-	154,119	2.39
1996 Total	51,905	2.67	33,840	2.11	85,745	2.45	67,648	3.65	0	-	153,393	2.97
1997												
January	4,193	4.08	2,231	4.08	6,424	4.08	5,604	4.25	0	-	12,028	4.16
February	5,169	3.02	1,677	2.32	6,846	2.85	5,596	4.20	0	-	12,443	3.46
March	9,115	2.05	1,486	1.55	10,601	1.98	5,675	4.16	0	-	16,276	2.74
April	5,168	1.78	3,044	1.83	8,211	1.80	5,660	4.06	0	-	13,872	2.72
May	4,107	2.08	2,177	1.96	6,284	2.04	3,812	3.83	0	-	10,097	2.72
June	3,162	2.28	2,579	2.14	5,741	2.22	3,786	3.72	0	-	9,527	2.81
July	3,257	2.14	3,122	2.17	6,380	2.16	3,756	3.66	0	-	10,136	2.71
August	3,820	2.15	6,282	2.37	10,101	2.28	7,532	3.62	0	-	17,633	2.86
September	3,129	2.37	6,159	2.59	9,288	2.52	3,767	3.58	0	-	13,055	2.83
October	2,432	2.85	4,182	2.87	6,613	2.86	5,676	3.58	0	-	12,289	3.19
November	5,579	3.10	1,782	3.16	7,361	3.12	5,691	3.66	0	-	13,051	3.35
December	7,318	2.58	3,650	2.30	10,968	2.49	5,631	3.58	0	-	16,600	2.86
Total	56,447	2.52	38,372	2.46	94,818	2.49	62,187	3.83	0	-	157,006	3.02
1998												
January	4,930	2.53	4,257	2.11	9,187	2.34	7,446	3.67	0	-	16,632	2.93
February	4,502	2.11	3,117	2.06	7,619	2.09	3,726	3.42	0	-	11,346	2.53
March	7,851	2.25	4,202	2.14	12,054	2.21	7,435	3.09	0	-	19,488	2.55
April	4,509	2.47	2,675	2.23	7,184	2.38	5,702	2.81	0	-	12,886	2.57
May	2,083	2.28	6,119	2.12	8,202	2.16	1,891	2.70	0	-	10,093	2.26
June	1,938	2.03	5,617	1.98	7,555	2.00	5,695	2.69	0	-	13,250	2.29
July	1,634	1.97	3,852	2.20	5,487	2.13	5,679	2.70	0	-	11,166	2.42
August	52	1.87	4,834	1.95	4,886	1.95	5,676	2.70	1	5.88	10,563	2.35
September	1,481	2.09	2,892	1.81	4,373	1.91	7,584	2.68	0	-	11,957	2.40
October	2,127	2.03	5,167	1.91	7,294	1.94	5,679	2.72	3	5.74	12,975	2.28
November	3,630	2.17	5,079	2.00	8,709	2.07	3,776	2.75	9	5.69	12,494	2.28
December	5,152	2.26	5,323	1.99	10,475	2.12	5,662	2.73	20	5.68	16,157	2.34
Total	39,891	2.25	53,133	2.04	93,023	2.13	65,951	2.91	33	5.69	159,007	2.45

# Table SR9. Summary of U.S. Natural Gas Exports, 1977-1998

(Volumes in Million Cubic Feet; Average Prices in Dollars per Thousand Cubic Feet)

 Not Applicable.
 Notes: Totals may not equal sum of components due to independent rounding. Geographic coverage is the continental United States including Alaska. The price of LNG exports to Japan is the "landed" price, defined as received at the terminal in Japan.

Sources: 1994 and Earlier Years: Energy Information Administration, Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." 1995 to 1998: Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports.