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MASTER

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Preface

The *International Energy Annual* presents an overview of key international energy trends for production, consumption, imports, and exports of primary energy commodities in over 220 countries, dependencies, and areas of special sovereignty. Also included are population and gross domestic product data, as well as prices for crude oil and petroleum products in selected countries. Renewable energy reported in the *International Energy Annual* includes hydroelectric power, geothermal, solar and wind electric power and alcohol for fuel.

This report is published to keep the public and other interested parties fully informed of primary energy supplies on a global basis. The data presented have been largely derived from published sources. The data have been converted to units of measurement and thermal values familiar to the American public.

Although EIA has mandatory data collection authority for collecting energy information within the United States, it has no authority to require reporting of data from foreign countries. Data for the *International Energy Annual* must be researched and collected from the most authoritative available sources outside EIA. Because EIA does not have access to the statistical surveys in other countries, it is not able to develop error estimates or revision errors such as might be developed in EIA's domestic surveys.

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Many factors beyond EIA's control affect the reliability and integrity of foreign country data. These include a country's level of economic development, commitment to statistical programs, openness with information, and other considerations.

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Electronic Access

The World Energy database for the Energy Information Administration *International Energy Annual*, together with a system for accessing the data, can be downloaded to most personal computers, via the Internet. The database information is more detailed and may be more timely than the information in the printed publication. The printed tables show the most important countries in each category, typically 85 to 125 countries per table. Many of these tables are for 1994. The database has data for over 220 countries, and for 1990 through 1994, with estimates for 1995. Internet access can be obtained through the EIA Home Page on the World Wide Web. The Internet address is:

<http://www.eia.doe.gov/emeu/world/contents.html>. To use the database, users need Microsoft Windows 3.1 or higher and 8 megabytes of free disk space on their hard drive. The personal computer should be an IBM type, with a 386, 486, or Pentium processor with at least 8 megabytes of random-access memory. Any questions about the EIA Home Page or the World Energy database can be handled by the EIA National Energy Information Center, by telephone at (202)586-8800, or by Internet E-mail at infoctr@eia.doe.gov.

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WORLD ENERGY OVERVIEW

The *International Energy Annual* presents information and trends on world energy production and consumption for petroleum, natural gas, coal, and electricity. Production and consumption data are reported in standard units as well as British thermal units (Btu). Trade and reserves are shown for petroleum, natural gas, and coal. Data are provided on crude oil refining capacity and electricity installed capacity by type. Prices are included for selected crude oils and for refined petroleum products in selected countries. Population and Gross Domestic Product data are also provided.

World Primary Energy Production Trends

Between 1986 and 1995, the world's total output of primary energy--petroleum, natural gas, coal, and electric power (hydro, nuclear, geothermal, solar, and wind)--increased at an average annual rate of 1.6 percent (Table 2.9). World production increased from 314 quadrillion Btu in 1986 to 361 quadrillion Btu in 1995.

In 1995, petroleum (crude oil and natural gas plant liquids) continued to be the world's primary energy source, accounting for 39.2 percent, or 142 quadrillion Btu, of world primary energy production (Table 2.9). Between 1986 and 1995, petroleum production increased by 7.5 million barrels per day, or 12.5 percent, rising from 60.4 to 67.9 million barrels per day (Tables 2.2 and 2.3). The Middle East had the largest production gain, followed by Western Europe, and Africa. Their combined gains over the period from 1986 to 1995 were 11 million barrels per day. In North America, and in the Eastern Europe and Former U.S.S.R. region, average daily production fell by 1.0 and 5.4 million barrels per day, respectively.

Coal ranked second as a primary energy source in 1995, accounting for 25.3 percent of world primary energy production (Table 2.9). World coal production totaled 5.1 billion short tons--91 quadrillion Btu--in 1995, but it was up only 1.4 percent from the 1986 level of 5.0 billion short tons (Tables 2.1 and 2.9).

Dry natural gas ranked third as a primary energy source, accounting for 21.4 percent of world primary energy

production in 1995 (Table 2.9). Production of dry natural gas was 78.3 trillion cubic feet, or 77 quadrillion Btu, in 1995 (Tables 2.1 and 2.9). Production increased by 14.7 trillion cubic feet from 63.6 trillion cubic feet in 1986, a gain of 23.1 percent

Hydro, nuclear, and other (geothermal, solar, and wind) electric power generation ranked fourth, fifth, and sixth, respectively, as primary energy sources in 1995, accounting for 7.1, 6.5, and 0.4 percent, respectively, of world primary energy production (Table 2.9). Together they accounted for a combined total of 4.8 trillion kilowatthours--51 quadrillion Btu--in 1995 (Tables 2.1 and 2.9). Nuclear electric power generation increased significantly between 1986 and 1995, rising from 1.5 trillion kilowatthours to 2.2 trillion kilowatthours, a 45.1-percent increase. Geothermal, solar, and wind electric power generation also increased significantly over the same period, rising from 34.2 billion kilowatthours to 111.2 billion kilowatthours, a 225-percent increase. Hydroelectric power continued to represent the largest share of primary electric power generation contributing 2.5 trillion kilowatthours in 1995, up 22.8 percent from 2.0 trillion kilowatthours in 1986.

Major Energy Producers and Consumers

In 1995, three countries--the United States, Russia, and China--were the leading producers and consumers of world energy (Tables F1 and E1). These three countries produced 40 percent and consumed 42 percent of the world's total energy.

The United States, Russia, China, Saudi Arabia, and Canada were the world's five largest producers of energy in 1995, supplying 50.3 percent of the world's total energy (Table F1). The next five leading producers of primary energy were the United Kingdom, Iran, Norway, India, and Venezuela, and together they supplied an additional 12.4 percent of the world's total energy. The United States supplied 69.1 quadrillion Btu of primary energy, significantly more than the 39.9 quadrillion Btu produced by Russia, and almost twice as much as the 35.5 quadrillion Btu produced by China.

The United States, China, Russia, Japan, and Germany were the world's five largest consumers of primary energy in 1995, accounting for 51.3 percent of world energy consumption (Table E1). They were followed by Canada, India, the United Kingdom, France, and Italy, which together accounted for an additional 13.5 percent of world energy consumption. The United States consumed 88.3 quadrillion Btu, almost two and a half times the 35.7 quadrillion Btu consumed by China, while Russia consumed 26.8 quadrillion Btu.

Regional Energy Production and Consumption

Comparisons of energy production and consumption by region help to highlight key energy trends since 1986. In North America, the overall production of energy rose by about 10.6 quadrillion Btu between 1986 and 1995 (Table F1). The supply of natural gas, nuclear electric power generation, and coal increased significantly, by 5.9, 3.1, and 3.0 quadrillion Btu, respectively, more than offsetting a 3.4 quadrillion Btu decrease in crude oil production (Tables F4, F7, F5, and F2). Energy consumption in North America increased by 16.9 quadrillion Btu between 1986 and 1995, the second largest increase for any region (Table E1). The largest North American increases occurred in the consumption of natural gas, 6.6 quadrillion Btu, petroleum, 3.4 quadrillion Btu, nuclear electric power, 3.1 quadrillion Btu, and coal, 2.8 quadrillion Btu (Tables E3, E2, E6, and E4).

Overall production of energy in the Central and South America region increased by 7.1 quadrillion Btu between 1986 and 1995, led by increases in crude oil production, 3.7 quadrillion Btu, and hydroelectric power generation, 1.7 quadrillion Btu (Tables F1, F2, and F6). Energy consumption in the Central and South America region increased by 4.3 quadrillion Btu over the same period (Table E1). The largest increases occurred in the consumption of hydroelectric power, 1.7 quadrillion Btu, petroleum, 1.4 quadrillion Btu, and natural gas, 1.0 quadrillion Btu (Tables E5, E2, and E3).

Energy production in Western Europe which had fluctuated in a narrow range between 1986 and 1993, finally began to grow in 1994 (Table F1). In 1995, the level was 3.1 quadrillion Btu higher than in 1986. Gains between 1986 and 1995 were greatest for crude oil, 3.9 quadrillion Btu, nuclear electric power generation, 1.8 quadrillion Btu, and natural gas, 1.7 quadrillion Btu (Tables F2, F7, and F4). These increases more than offset a decrease of 5.4 quadrillion Btu in coal production (Table F5). Western European energy consumption

increased by 4.8 quadrillion Btu between 1986 and 1995 (Table E1). The increase was led by natural gas, 3.5 quadrillion Btu, petroleum, 2.7 quadrillion Btu, and nuclear electric power, 1.8 quadrillion Btu, which together more than offset a sharp, 3.9-quadrillion-Btu drop in coal consumption (Tables E3, E2, E6, and E4).

Between 1986 and 1995, energy production and energy consumption in the Eastern Europe and Former U.S.S.R. region both declined by more than 19 quadrillion Btu (Tables F1 and E1). As a result, this was the only region to experience declines in either energy production or consumption over the period. The decline in energy production was concentrated in crude oil, 11.2 quadrillion Btu, and coal, 7.5 quadrillion Btu, but even natural gas production decreased by 1.1 quadrillion Btu (Tables F2, F5, and F4). Trends in energy consumption in this region were similar to those for energy production (Tables E1, E2, E4, and E3).

Since 1986, energy production in the Middle East increased by almost 17.7 quadrillion Btu, the second largest increase for any region (Table F1). The increase was concentrated in crude oil, 14.3 quadrillion Btu, and natural gas, 2.6 quadrillion Btu (Tables F2 and F4). The increase in energy consumption in the Middle East between 1986 and 1995 was much smaller, only 5.0 quadrillion Btu (Table E1). Natural gas experienced the largest increase, 2.5 quadrillion Btu, followed by petroleum, 2.3 quadrillion Btu (Tables E3 and E2).

Energy production in Africa increased by 6 quadrillion Btu between 1986 and 1995, led by increases in the production of crude oil, 3.7 quadrillion Btu, and natural gas, 1.2 quadrillion Btu (Tables F1, F2, and F4). Energy consumption in Africa grew slowly over the same period, rising by only 2.6 quadrillion Btu, with coal consumption accounting for 1.1 quadrillion Btu of the increase (Tables E1 and E4).

The largest regional increase in primary energy production between 1986 and 1995 occurred in the Far East and Oceania region, where production increased by 21.5 quadrillion Btu (Table F1). Over 59 percent of this increase, 12.8 quadrillion Btu, was accounted for by coal production, with smaller contributions from natural gas, 3.2 quadrillion Btu, and crude oil, 2.3 quadrillion Btu (Tables F5, F4, and F2). Consumption in this region increased by 35.0 quadrillion Btu over the same period, also the largest increase for any region (Table E1). Almost 81 percent of this increase occurred in the consumption of coal, 14.2 quadrillion Btu, and petroleum, 14.1 quadrillion Btu (Tables E4 and E2).

Petroleum

Global production of petroleum (crude oil and natural gas plant liquids) increased by 7.5 million barrels per day between 1986 and 1995, an average annual rate of growth of 1.3 percent (Tables 2.2 and 2.3). Saudi Arabia, the United States, and Russia were the three largest producers of petroleum in 1995. Together, they produced 34.5 percent of the world's petroleum. Production from Iran and Mexico accounted for an additional 10 percent.

In 1995, the United States consumed 17.7 million barrels per day of petroleum--almost 26 percent of world consumption (Table 1.2). Japan ranked a distant second in consumption, with 5.7 million barrels per day, followed by China, Russia, and Germany.

Natural Gas

World production of dry natural gas increased by 14.7 trillion cubic feet, or at an average annual rate of 2.3 percent, over the period from 1986 to 1995 (Table 2.4). Russia was the leading producer in 1995 at 21.0 trillion cubic feet, followed by the United States at 18.8 trillion cubic feet. Together these two countries produced about 51 percent of the world total.

In 1995, the United States, which was the leading consumer of dry natural gas at 21.6 trillion cubic feet, and Russia, which ranked second at 14.5 trillion cubic feet, together accounted for 46 percent of world consumption (Table 1.3). Germany ranked a distant third in consumption, with 3.2 trillion cubic feet, followed by the Ukraine and Canada.

Coal

Coal production experienced the lowest average annual rate of growth of any primary energy source between 1986 and 1995 (Table 2.5). Production only increased by 69 million short tons, or at an average annual rate of less than 0.2 percent, over the period. China was the leading producer in 1995 at 1.478 billion short tons--equivalent to 26.6 quadrillion Btu (Tables 2.5 and F5). The United States was the second leading producer in 1995 with 1.033 billion short tons--equivalent to 22.0 quadrillion Btu. India ranked a distant third at 311 million short tons--equivalent to 5.3 quadrillion Btu, followed closely by Russia, at 310 million short tons--equivalent to 4.9 quadrillion Btu, and Germany at 274 million short tons--equivalent to 2.9 quadrillion Btu. Together, these five

countries accounted for 67 percent of world coal production in 1995 (Table 2.5).

China was also the largest consumer of coal in 1995, using almost 1.5 billion short tons, followed by the United States, India, Russia, and Germany (Table 1.4). These five countries together accounted for 65 percent of world coal consumption.

Hydroelectric Power

The generation of hydroelectric power increased by 458 billion kilowatthours between 1986 and 1995, or at an average annual rate of 2.3 percent (Table 2.6). Canada, the United States, Brazil, Russia, and China were the five largest producers of hydroelectric power in 1995. Their combined hydroelectric power generation accounted for 51 percent of the world total. Canada led the world with 330 billion kilowatthours or 3.4 quadrillion Btu (Tables 2.6 and F6). The United States was a close second with 324 billion kilowatthours or 3.3 quadrillion Btu. Brazil ranked third with 245 billion kilowatthours or 2.6 quadrillion Btu. Russia was fourth with 179 billion kilowatthours or 1.9 quadrillion Btu, just 4 billion kilowatthours more than fifth-ranked China.

Nuclear Electric Power

The generation of nuclear electric power increased by 685 billion kilowatthours between 1986 and 1995, or at an average annual rate of 4.2 percent (Table 2.7). The United States led the world in nuclear power generation in 1995 with 674 billion kilowatthours or 7.2 quadrillion Btu (Tables 2.7 and F7). France was second with 359 billion kilowatthours or 3.7 quadrillion Btu and Japan ranked third with 275 billion kilowatthours or 2.8 quadrillion Btu. In 1995, these three countries generated over 59 percent of the world's nuclear electric power (Table 2.7).

Geothermal, Solar, and Wind Electric Power

The generation of geothermal, solar, and wind electric power increased by 77 billion kilowatthours between 1986 and 1995, or at an average annual rate of 14 percent (Table 2.8). The United States led the world in geothermal, solar, and wind electric power generation in 1995 with 76.9 billion kilowatthours. Brazil was second with 7.0 billion kilowatthours, followed by the Philippines with 5.6 billion kilowatthours, Mexico with

5.4 billion kilowatthours, and Italy with 3.6 billion kilowatthours. These five countries accounted for almost 89 percent of the world's geothermal, solar, and wind electric power generation in 1995.

Section 1

World Energy Consumption, 1986-1995

Table 1.1 World Consumption of Primary Energy by Selected Country Groups, 1986 - 1995

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Petroleum (thousand barrels per day)										
World Total.....	61,759	62,999	64,819	65,917	65,985	66,577	66,742	67,043	68,313	69,378
OECD ²	37,127	37,773	38,964	39,511	39,437	39,762	40,491	40,748	41,712	42,171
Non OECD.....	24,633	25,226	25,855	26,407	26,549	26,815	26,251	26,296	26,601	27,207
Other Groups.....										
OECD Europe.....	12,465	12,598	12,748	12,832	12,911	13,391	13,605	13,523	13,597	13,919
OPEC ³	3,808	3,901	4,034	4,210	4,391	4,480	4,633	4,909	5,051	5,244
EU, ⁴	11,605	11,664	11,841	11,928	11,957	12,443	12,631	12,481	12,577	12,869
IEA ⁵	35,630	36,241	37,402	37,860	37,744	38,054	38,756	38,952	39,875	40,357
Natural Gas (trillion cubic feet)										
World Total.....	63.19	66.28	69.57	72.52	72.96	74.52	74.44	76.69	76.41	78.28
OECD ²	30.94	32.32	33.29	34.88	34.96	36.32	37.04	38.43	39.34	41.12
Non OECD.....	32.25	33.97	36.28	37.64	38.00	38.20	37.40	38.26	37.07	37.16
Other Groups.....										
OECD Europe.....	9.50	9.90	9.67	10.17	10.27	11.15	11.07	11.74	11.81	12.58
OPEC ³	4.27	4.75	5.15	5.56	5.48	5.58	6.09	6.43	6.88	7.34
EU, ⁴	9.34	9.74	9.49	9.91	10.00	10.85	10.70	11.39	11.44	12.15
IEA ⁵	30.02	31.45	32.37	33.94	34.01	35.33	36.03	37.49	38.39	40.13
Coal (million short tons)										
World Total.....	4,985	5,130	5,279	5,285	5,278	5,004	5,001	5,004	5,024	5,104
OECD ²	2,049	2,095	2,135	2,177	2,156	2,026	1,986	1,931	1,913	1,962
Non OECD.....	2,936	3,035	3,145	3,109	3,122	2,977	3,015	3,073	3,111	3,142
Other Groups.....										
OECD Europe.....	990	985	960	987	950	833	788	710	683	677
OPEC ³	7	7	8	9	10	10	10	11	11	11
EU, ⁴	933	929	912	924	892	767	722	646	614	608
IEA ⁵	2,041	2,087	2,126	2,168	2,149	2,020	1,978	1,921	1,902	1,950
Hydroelectric Power (billion kilowatthours)										
World Total.....	2,048.6	2,065.8	2,131.5	2,093.0	2,179.2	2,228.2	2,233.0	2,369.4	2,363.4	2,484.3
OECD ²	1,183.9	1,181.3	1,191.9	1,135.8	1,176.6	1,201.0	1,193.4	1,263.1	1,217.7	1,296.5
Non OECD.....	864.7	884.5	939.7	957.2	1,002.6	1,027.2	1,039.5	1,106.3	1,145.6	1,187.8
Other Groups.....										
OECD Europe.....	410.0	440.9	482.8	417.1	433.6	431.4	459.9	477.0	476.5	479.7
OPEC ³	42.4	48.8	53.4	54.4	57.9	67.1	75.1	75.1	76.6	80.4
EU, ⁴	266.6	282.0	306.9	248.5	257.2	264.2	281.4	285.5	291.9	284.4
IEA ⁵	1,160.2	1,159.1	1,166.7	1,107.2	1,149.2	1,175.2	1,163.3	1,232.7	1,193.4	1,264.6
Nuclear Electric Power (billion kilowatthours)										
World Total.....	1,517.7	1,654.0	1,794.8	1,843.4	1,894.1	1,991.8	2,010.0	2,070.6	2,115.4	2,202.3
OECD ²	1,253.8	1,343.2	1,449.3	1,482.1	1,533.2	1,627.3	1,651.4	1,709.3	1,769.5	1,834.6
Non OECD.....	263.8	310.8	345.5	361.4	360.9	364.5	358.6	361.4	345.9	367.8
Other Groups.....										
OECD Europe.....	613.8	626.4	670.3	702.8	703.0	727.8	740.7	768.8	767.6	785.6
OPEC ³	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EU, ⁴	593.7	605.9	648.8	681.3	680.6	706.1	718.4	746.6	744.5	761.9
IEA ⁵	1,253.8	1,343.2	1,449.3	1,482.1	1,531.1	1,623.3	1,647.7	1,704.6	1,765.5	1,826.5

See footnotes at end of table.

Table 1.1 World Consumption of Primary Energy by Selected Country Groups, 1986 - 1995 (Continued)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Geothermal, Solar, and Wind Electric Power (billion kilowatthours)										
World Total.....	34.2	35.5	35.8	78.7	87.4	94.6	102.0	106.1	109.5	111.2
OECD ²	21.0	23.0	23.3	65.8	74.7	81.1	88.1	91.6	94.0	95.2
Non OECD.....	13.2	12.5	12.4	12.9	12.7	13.5	13.9	14.5	15.5	16.0
Other Groups:.....										
OECD Europe.....	3.6	3.9	4.1	4.3	4.6	4.7	5.5	6.4	7.7	7.9
OPEC ³	0.6	0.7	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.1
EU ⁴	3.4	3.6	3.8	4.0	4.3	4.4	5.3	6.1	7.3	7.6
IEA ⁵	17.4	18.4	18.4	60.8	69.3	75.4	82.1	85.7	88.4	89.5

¹ Preliminary.

² The Organization for Economic Cooperation and Development (OECD) includes Australia, Austria, Belgium, Canada, Denmark (including data for Faroe Islands and Greenland), Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and the United States (including data for Guam, Hawaiian Trade Zone, Puerto Rico, and Virgin Islands, U.S.). Refer to Appendix A for a listing of OECD Europe.

³ The Organization of Petroleum Exporting Countries (OPEC) includes Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

⁴ European Union (EU) includes Austria, Belgium, Denmark (including data for Faroe Islands), Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, and United Kingdom.

⁵ International Energy Agency (IEA) includes Australia, Austria, Belgium, Canada, Denmark (including data for Faroe Islands and Greenland), Finland, France, Germany, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and the United States (including data for Guam, Hawaiian Trade Zone, Puerto Rico, and Virgin Islands, U.S.).

Notes: For consistency data reflect 1995 membership (as of December 31, 1995) for all years. The country groups OECD, OECD Europe, EU, and IEA include unified Germany. Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Sections 3, 4, 5, and 6.

Table 1.2 World Petroleum Consumption, 1986 - 1995
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	1,506	1,548	1,693	1,733	1,690	1,622	1,643	1,688	1,727	1,746
Mexico.....	1,486	1,520	1,550	1,640	1,679	1,695	1,723	1,781	1,822	1,800
United States.....	16,281	16,665	17,283	17,325	16,988	16,714	17,033	17,237	17,718	17,725
Other.....	4	6	7	8	6	6	5	4	4	5
Total.....	19,277	19,739	20,532	20,706	20,364	20,036	20,404	20,710	21,272	21,275
Central & South America										
Argentina.....	448	479	475	434	413	424	445	468	478	498
Bolivia.....	21	21	23	24	25	26	26	27	30	31
Brazil.....	1,238	1,263	1,300	1,317	1,339	1,346	1,369	1,399	1,451	1,475
Chile.....	97	103	111	126	134	144	151	168	179	185
Colombia.....	172	185	198	209	197	205	230	240	244	255
Costa Rica.....	13	16	18	20	19	20	25	27	28	30
Cuba.....	223	219	221	225	220	204	180	179	183	185
Dominican Republic.....	47	53	58	58	64	62	64	59	68	65
Ecuador.....	92	90	93	90	97	104	119	112	120	122
El Salvador.....	15	15	16	16	16	19	22	22	25	24
Guatemala.....	23	23	25	26	27	26	31	34	38	38
Honduras.....	12	12	13	16	18	17	18	18	20	19
Jamaica.....	31	33	38	43	46	47	51	52	55	57
Netherlands Antilles.....	69	70	65	69	71	64	63	71	77	78
Panama.....	26	30	26	24	27	33	41	40	44	47
Peru.....	135	138	141	121	121	113	119	126	132	136
Puerto Rico.....	156	162	147	143	140	176	152	159	167	170
Trinidad and Tobago.....	23	21	18	21	20	21	22	21	25	25
Uruguay.....	23	27	33	32	31	30	32	35	33	32
Venezuela.....	402	404	397	388	396	405	414	427	440	433
Virgin Islands, U.S.....	47	55	39	60	55	56	51	58	60	67
Other.....	95	101	106	116	118	113	115	124	129	133
Total.....	3,407	3,518	3,565	3,576	3,595	3,654	3,740	3,866	4,027	4,106
Western Europe										
Austria.....	211	217	212	213	217	235	228	231	235	235
Belgium.....	455	452	469	461	461	499	511	499	510	492
Denmark.....	221	215	205	195	191	194	193	198	210	225
Finland.....	208	226	228	226	225	227	222	212	220	205
France.....	1,772	1,789	1,797	1,857	1,818	1,935	1,926	1,875	1,833	1,907
Germany.....	--	--	--	--	--	2,828	2,843	2,900	2,879	2,871
Germany, East.....	362	342	322	300	282	--	--	--	--	--
Germany, West.....	2,498	2,424	2,422	2,280	2,382	--	--	--	--	--
Greece.....	248	267	285	291	315	320	331	339	349	355
Ireland.....	96	81	78	82	92	99	104	104	113	126
Italy.....	1,738	1,855	1,836	1,930	1,872	1,863	1,937	1,852	1,841	1,965
Luxembourg.....	24	27	28	30	33	39	39	39	39	37
Netherlands.....	684	686	716	709	735	756	766	760	760	791
Norway.....	186	209	187	193	191	184	183	186	183	184
Portugal.....	197	209	206	249	250	253	277	268	270	291
Spain.....	875	898	980	1,030	1,011	1,072	1,109	1,056	1,127	1,197
Sweden.....	367	370	359	336	321	323	342	332	353	329
Switzerland.....	275	262	261	260	274	284	287	277	281	256
Turkey.....	388	450	447	440	476	468	492	564	540	595
United Kingdom.....	1,649	1,603	1,697	1,738	1,752	1,801	1,803	1,815	1,837	1,842
Former Yugoslavia.....	304	314	316	310	317	251	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	35	23	20	20
Croatia.....	--	--	--	--	--	--	65	63	79	80
Macedonia, TFYR.....	--	--	--	--	--	--	19	21	18	20
Serbia and Montenegro.....	--	--	--	--	--	--	56	33	32	35
Slovenia.....	--	--	--	--	--	--	35	41	42	45
Other.....	27	29	31	29	32	31	38	41	42	42
Total.....	12,785	12,927	13,084	13,159	13,246	13,660	13,841	13,731	13,815	14,147

See footnotes at end of table.

Table 1.2 World Petroleum Consumption, 1986 - 1995 (Continued)
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	38	34	32	27	20	18	21	17	13	15
Bulgaria.....	286	275	277	235	193	121	130	117	126	135
Former Czechoslovakia.....	297	320	312	315	281	232	213	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	147	152	155
Slovakia.....	--	--	--	--	--	--	--	61	63	66
Hungary.....	212	203	193	181	179	161	171	166	168	170
Poland.....	333	341	350	346	278	275	297	304	309	315
Romania.....	322	340	330	345	382	277	250	248	221	255
Former U.S.S.R.....	8,975	8,995	8,890	8,740	8,392	8,350	--	--	--	--
Armenia.....	--	--	--	--	--	--	32	14	7	5
Azerbaijan.....	--	--	--	--	--	--	203	194	187	155
Belarus.....	--	--	--	--	--	--	375	289	260	245
Estonia.....	--	--	--	--	--	--	25	28	25	22
Georgia.....	--	--	--	--	--	--	27	16	6	8
Kazakhstan.....	--	--	--	--	--	--	404	341	304	274
Kyrgyzstan.....	--	--	--	--	--	--	33	19	7	8
Latvia.....	--	--	--	--	--	--	52	41	40	39
Lithuania.....	--	--	--	--	--	--	84	76	78	80
Moldova.....	--	--	--	--	--	--	57	40	22	21
Russia.....	--	--	--	--	--	--	4,423	3,750	3,179	2,925
Tajikistan.....	--	--	--	--	--	--	20	17	7	6
Turkmenistan.....	--	--	--	--	--	--	76	66	63	65
Ukraine.....	--	--	--	--	--	--	813	570	495	435
Uzbekistan.....	--	--	--	--	--	--	190	177	168	160
Total.....	10,463	10,508	10,383	10,190	9,725	9,434	7,894	6,699	5,900	5,560
Middle East										
Bahrain.....	16	19	20	23	25	27	28	29	30	30
Cyprus.....	22	24	25	30	32	32	38	38	43	44
Iran.....	830	865	870	965	1,003	1,075	1,083	1,108	1,130	1,180
Iraq.....	279	285	320	350	400	263	341	409	457	525
Israel.....	133	141	157	163	165	173	201	198	200	204
Jordan.....	62	66	62	62	66	63	73	72	82	84
Kuwait.....	118	115	120	125	85	45	79	111	132	155
Lebanon.....	46	48	43	35	33	53	55	67	76	75
Oman.....	30	27	26	32	39	39	40	39	40	41
Qatar.....	29	32	28	35	37	43	42	40	40	41
Saudi Arabia.....	974	975	990	950	977	1,019	1,039	1,088	1,109	1,100
Syria.....	163	180	192	198	205	178	185	209	224	232
United Arab Emirates.....	207	211	237	242	243	302	305	310	318	325
Yemen.....	67	66	64	74	76	78	83	69	66	70
Total.....	2,977	3,055	3,154	3,283	3,385	3,390	3,591	3,787	3,948	4,106

See footnotes at end of table.

Table 1.2 World Petroleum Consumption, 1986 - 1995 (Continued)
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Africa										
Algeria.....	166	167	172	182	194	208	214	222	230	240
Angola.....	24	24	25	25	24	25	26	25	25	26
Cameroon.....	22	21	20	24	24	25	25	21	24	24
Congo.....	7	6	6	7	7	6	6	6	7	7
Cote d'Ivoire (Ivory Coast).....	31	35	37	40	38	39	40	45	55	56
Egypt.....	428	442	437	443	465	456	444	450	448	451
Ethiopia.....	17	19	18	20	20	16	23	22	14	16
Gabon.....	10	10	12	16	15	16	16	15	18	19
Ghana.....	16	18	21	24	20	20	22	23	26	27
Kenya.....	39	35	38	42	42	37	41	42	44	45
Libya.....	125	134	142	147	155	166	145	160	166	170
Morocco.....	94	92	99	111	117	117	130	133	153	150
Nigeria.....	208	218	234	244	251	259	265	271	252	272
Senegal.....	20	19	16	17	17	16	19	19	23	23
South Africa.....	350	345	342	348	375	403	412	402	410	435
Sudan.....	28	27	30	28	25	36	33	32	28	30
Tunisia.....	61	52	61	64	63	72	71	74	80	80
Zaire.....	21	19	23	22	20	22	24	25	26	26
Zimbabwe.....	16	17	17	19	21	23	21	22	23	23
Other.....	145	143	155	164	182	172	192	195	204	209
Total.....	1,827	1,844	1,905	1,985	2,076	2,135	2,169	2,205	2,254	2,329
Far East & Oceania										
Australia.....	625	643	652	687	711	706	712	756	790	840
Bangladesh.....	34	34	36	38	36	38	37	40	46	45
Brunei.....	5	6	6	7	7	10	7	9	11	11
Burma.....	23	17	17	17	15	16	16	17	17	17
China.....	2,000	2,120	2,275	2,380	2,296	2,499	2,662	2,959	3,141	3,316
Guam.....	8	5	6	5	13	14	15	23	30	27
Hong Kong.....	113	116	121	124	127	133	152	158	180	176
India.....	947	988	1,084	1,150	1,168	1,190	1,275	1,311	1,413	1,580
Indonesia.....	470	493	524	583	651	695	707	765	778	803
Japan.....	4,439	4,484	4,752	4,983	5,140	5,284	5,446	5,401	5,674	5,723
Korea, North.....	68	69	65	64	73	76	74	72	70	70
Korea, South.....	607	639	731	843	1,025	1,202	1,456	1,690	1,856	1,956
Malaysia.....	192	197	202	220	266	282	302	336	378	400
Mongolia.....	17	17	17	17	16	15	13	13	13	14
New Zealand.....	84	94	95	103	109	105	111	123	128	155
Pakistan.....	166	180	194	206	220	221	227	256	282	295
Papua New Guinea.....	14	16	15	15	16	15	15	15	15	16
Philippines.....	159	188	196	229	236	235	260	285	303	325
Singapore.....	257	285	304	329	363	389	420	469	516	545
Sri Lanka.....	31	36	34	31	35	34	37	41	45	47
Taiwan.....	405	420	483	521	542	545	557	616	659	678
Thailand.....	234	259	283	349	407	437	476	545	603	652
Vietnam.....	29	35	40	46	53	56	61	77	85	93
Other.....	95	67	66	70	71	71	66	67	68	71
Total.....	11,024	11,408	12,196	13,017	13,595	14,269	15,103	16,044	17,097	17,855
World Total.....	61,759	62,999	64,819	65,917	65,985	66,577	66,742	67,043	68,313	69,378

¹ Preliminary.

--- Not applicable.

(s) = Value less than 500 barrels per day.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 3.

Table 1.3 World Dry Natural Gas Consumption, 1986 - 1995
(Billion Cubic Feet)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	2,131	2,112	2,331	2,498	2,378	2,400	2,598	2,713	2,823	2,788
Mexico.....	923	865	926	943	946	994	1,015	936	953	994
United States.....	16,221	17,211	18,030	18,801	18,716	19,035	19,544	20,279	20,755	21,648
Total.....	19,275	20,188	21,287	22,242	22,040	22,429	23,155	23,928	24,531	25,430
Central & South America										
Argentina.....	625	605	713	801	717	781	787	833	856	956
Barbados.....	(s)	(s)	1	1	1	1	1	1	1	1
Bolivia.....	14	14	19	26	30	26	32	30	35	43
Brazil.....	90	105	97	123	97	119	130	146	152	159
Chile.....	26	26	35	57	66	52	54	62	69	67
Colombia.....	144	140	146	146	151	155	151	157	162	180
Cuba.....	(s)	1	1	1	1	1	1	1	1	1
Ecuador.....	3	2	3	3	4	3	4	4	4	4
Peru.....	49	47	44	41	19	18	18	34	35	33
Trinidad and Tobago.....	152	143	154	162	177	201	194	218	250	250
Venezuela.....	674	657	656	769	761	793	763	815	876	928
Total.....	1,778	1,740	1,870	2,129	2,024	2,151	2,136	2,301	2,440	2,623
Western Europe										
Austria.....	182	191	183	195	215	228	224	244	242	264
Belgium.....	307	343	337	375	341	362	374	392	401	442
Denmark.....	41	52	56	68	73	82	86	103	110	126
Finland.....	42	55	58	78	95	100	104	108	119	123
France.....	1,127	1,057	961	991	1,022	1,143	1,139	1,172	1,134	1,198
Germany.....	--	--	--	--	--	2,883	2,858	3,042	3,088	3,218
Germany, East.....	602	555	602	588	357	--	--	--	--	--
Germany, West.....	1,993	2,178	2,114	2,247	2,312	--	--	--	--	--
Greece.....	3	3	4	4	5	4	4	2	1	1
Ireland.....	59	59	71	80	83	84	83	94	96	98
Italy.....	1,238	1,371	1,460	1,578	1,672	1,773	1,757	1,801	1,748	1,927
Luxembourg.....	12	14	15	17	17	18	19	24	20	22
Netherlands.....	1,620	1,672	1,513	1,550	1,538	1,715	1,669	1,696	1,648	1,701
Norway.....	87	73	71	73	80	78	131	90	93	93
Spain.....	87	100	129	172	192	216	228	238	265	308
Sweden.....	8	10	13	18	23	23	26	30	28	29
Switzerland.....	53	63	63	69	66	75	78	82	81	89
Turkey.....	16	26	43	114	122	150	159	184	193	251
United Kingdom.....	2,020	2,079	1,972	1,951	2,059	2,218	2,127	2,440	2,542	2,692
Former Yugoslavia.....	224	263	258	287	248	247	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	18	15	15	15
Croatia.....	--	--	--	--	--	--	96	104	91	79
Macedonia, TFYR.....	--	--	--	--	--	--	10	10	0	0
Serbia and Montenegro.....	--	--	--	--	--	--	72	34	58	58
Slovenia.....	--	--	--	--	--	--	24	30	29	34
Total.....	9,721	10,163	9,923	10,455	10,520	11,398	11,286	11,936	12,002	12,769

See footnotes at end of table.

Table 1.3 World Dry Natural Gas Consumption, 1986 - 1995 (Continued)
(Billion Cubic Feet)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	14	16	25	25	9	5	4	1	1	1
Bulgaria.....	225	223	221	223	241	200	186	172	168	207
Former Czechoslovakia.....	427	444	416	451	532	504	411	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	257	238	274
Slovakia.....	—	—	—	—	—	—	—	175	205	238
Hungary.....	418	395	407	428	396	391	349	376	356	395
Poland.....	445	461	447	465	413	379	357	383	382	424
Romania.....	1,410	1,405	1,306	1,384	1,261	1,040	936	908	851	893
Former U.S.S.R.....	21,522	22,462	24,092	24,529	24,961	25,014	—	—	—	—
Armenia.....	—	—	—	—	—	—	66	49	57	57
Azerbaijan.....	—	—	—	—	—	—	523	388	332	234
Belarus.....	—	—	—	—	—	—	646	600	498	452
Estonia.....	—	—	—	—	—	—	53	21	23	32
Georgia.....	—	—	—	—	—	—	177	85	57	42
Kazakhstan.....	—	—	—	—	—	—	710	523	530	484
Kyrgyzstan.....	—	—	—	—	—	—	85	78	64	39
Latvia.....	—	—	—	—	—	—	57	28	25	28
Lithuania.....	—	—	—	—	—	—	141	85	81	99
Moldova.....	—	—	—	—	—	—	78	64	49	49
Russia.....	—	—	—	—	—	—	16,482	16,185	15,214	14,507
Tajikistan.....	—	—	—	—	—	—	67	49	57	53
Turkmenistan.....	—	—	—	—	—	—	141	145	148	170
Ukraine.....	—	—	—	—	—	—	3,503	3,871	3,327	2,971
Uzbekistan.....	—	—	—	—	—	—	1,095	1,541	1,229	1,349
Total.....	24,461	25,407	26,914	27,505	27,813	27,533	26,064	25,985	23,889	22,999
Middle East										
Bahrain.....	180	217	182	186	205	233	188	234	229	229
Iran.....	536	565	706	784	837	811	883	938	1,123	1,236
Iraq.....	27	35	88	88	77	39	101	90	112	111
Israel.....	1	2	1	1	1	1	1	1	1	1
Jordan.....	0	0	0	3	5	5	5	7	10	11
Kuwait.....	191	284	351	415	256	18	93	191	211	211
Oman.....	70	80	73	99	99	124	117	140	147	162
Qatar.....	193	198	207	215	276	328	401	477	477	480
Saudi Arabia.....	890	946	1,028	1,052	1,077	1,130	1,201	1,268	1,331	1,425
Syria.....	9	22	18	35	103	124	127	131	134	169
United Arab Emirates.....	431	580	621	702	663	790	902	798	765	833
Total.....	2,528	2,929	3,276	3,581	3,599	3,603	4,018	4,274	4,540	4,868
Africa										
Algeria.....	602	656	712	660	681	775	730	655	690	728
Angola.....	14	16	18	15	19	20	20	20	18	20
Congo.....	(s)	2	0	0	0	0	0	0	0	0
Cote d'Ivoire (Ivory Coast).....	0	0	0	0	0	0	0	0	0	1
Egypt.....	200	222	244	273	286	321	349	399	423	439
Gabon.....	1	4	4	3	3	4	4	4	4	4
Libya.....	168	161	157	165	175	175	174	168	173	171
Morocco.....	3	2	2	2	2	1	1	1	1	1
Nigeria.....	116	131	133	166	131	168	173	178	161	158
Senegal.....	0	0	0	0	0	0	0	1	1	2
South Africa.....	0	0	0	0	0	0	1	64	69	69
Tunisia.....	39	45	39	55	54	41	31	53	69	64
Total.....	1,143	1,238	1,309	1,340	1,351	1,505	1,483	1,542	1,610	1,657

See footnotes at end of table.

Table 1.3 World Dry Natural Gas Consumption, 1986 - 1995 (Continued)
(Billion Cubic Feet)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0	22	70	68	67	11	11	11	11	11
Australia.....	516	532	555	570	625	584	603	630	647	727
Bangladesh.....	113	131	150	164	162	173	206	216	235	260
Brunei.....	33	57	48	57	46	15	35	29	25	32
Burma.....	38	40	37	38	38	37	36	39	51	62
China.....	484	494	503	505	508	526	533	558	589	601
India.....	180	227	310	315	399	449	477	532	594	658
Indonesia.....	441	542	492	546	547	557	673	850	965	1,059
Japan.....	1,494	1,543	1,618	1,731	1,851	1,976	2,023	1,949	2,180	2,211
Korea, South.....	5	18	94	94	116	133	162	205	279	337
Malaysia.....	279	265	289	297	315	383	388	458	482	542
New Zealand.....	158	152	166	172	170	183	197	175	171	166
Pakistan.....	392	419	445	475	482	534	551	583	627	643
Papua New Guinea.....	0	0	0	0	0	0	2	3	2	2
Singapore.....	0	0	0	0	0	0	39	53	53	53
Taiwan.....	40	43	24	50	80	105	110	111	141	151
Thailand.....	112	132	193	182	208	236	249	310	342	368
Vietnam.....	1	1	1	1	1	2	7	9	9	47
Total.....	4,286	4,618	4,995	5,267	5,615	5,904	6,302	6,720	7,400	7,930
World Total.....	63,192	66,283	69,573	72,518	72,961	74,523	74,443	76,686	76,412	78,276

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 billion cubic feet.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 4.

Table 1.4 World Coal Consumption, 1986 - 1995
(Million Short Tons)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	50.87	56.28	60.78	60.55	59.35	53.42	54.46	54.07	53.55	58.40
Mexico.....	7.71	8.55	8.09	8.92	7.31	6.62	8.44	9.32	10.63	11.99
United States..2.....	804.04	838.29	884.72	890.59	895.67	887.79	893.74	927.07	931.68	948.51
Total.....	862.63	903.12	953.59	960.05	962.33	947.83	956.64	990.45	995.85	1,018.90
Central & South America										
Argentina.....	1.67	1.88	1.99	2.05	1.52	1.34	1.46	1.17	1.39	1.40
Brazil.....	18.80	19.32	19.17	19.31	16.97	19.58	18.76	20.99	18.72	19.72
Chile.....	2.14	2.07	2.88	3.86	4.19	3.34	3.00	3.02	3.55	4.19
Colombia.....	5.38	5.57	5.82	5.80	6.19	5.24	8.30	6.38	5.59	7.83
Costa Rica.....	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05
Cuba.....	0.19	0.19	0.20	0.25	0.22	0.17	0.21	0.20	0.20	0.20
Dominican Republic.....	0.03	0.26	0.11	0.29	0.01	0.06	0.15	0.13	0.11	0.11
Haiti.....	0.02	0.02	0.03	0.01	0.01	0.03	0.03	0.01	0.01	0.01
Jamaica.....	0.00	0.00	0.00	0.00	0.06	0.06	0.07	0.06	0.07	0.07
Panama.....	0.01	0.04	0.03	0.01	0.04	0.05	0.06	0.06	0.06	0.06
Peru.....	0.29	0.26	0.43	0.37	0.19	0.42	0.48	0.59	0.61	0.62
Puerto Rico.....	0.26	0.32	0.39	0.33	0.23	0.21	0.17	0.18	0.19	0.19
Uruguay.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Venezuela.....	0.15	0.17	0.29	0.44	0.52	0.48	0.35	0.43	0.51	0.75
Virgin Islands, U.S.....	0.00	0.00	0.00	0.00	0.08	0.14	0.23	0.25	0.27	0.27
Other.....	0.00	0.00	0.00	0.00	(s)	0.01	(s)	0.00	0.00	0.00
Total.....	28.93	30.10	31.34	32.72	30.24	31.17	33.30	33.53	31.33	35.47
Western Europe										
Austria.....	7.43	7.54	7.11	6.93	6.87	7.65	7.54	6.51	5.61	5.11
Belgium.....	18.34	17.24	13.96	16.23	18.17	17.44	16.65	13.82	15.91	16.23
Denmark.....	13.00	13.20	12.43	10.09	11.18	14.95	14.12	9.95	11.44	14.38
Finland.....	6.23	7.50	7.28	7.19	8.09	5.98	4.84	6.83	8.51	6.28
France.....	37.09	33.56	24.95	33.45	38.43	36.48	32.80	25.75	22.71	22.05
Germany.....	—	—	—	—	—	401.77	367.49	330.56	302.96	284.23
Germany, East.....	351.62	350.09	348.64	340.32	315.20	—	—	—	—	—
Germany, West.....	224.52	214.76	213.03	212.88	212.42	—	—	—	—	—
Greece.....	43.95	49.02	56.22	58.64	58.58	60.79	63.88	61.40	62.74	67.40
Iceland.....	0.13	0.10	0.10	0.11	0.10	0.11	0.08	0.07	0.11	0.10
Ireland.....	2.55	3.59	3.63	3.64	3.40	3.44	3.50	3.21	3.32	4.37
Italy.....	23.56	24.71	23.37	23.09	22.35	23.34	20.26	17.05	18.03	21.72
Luxembourg.....	2.06	1.66	1.76	1.80	1.82	1.68	1.62	1.67	1.47	0.90
Malta.....	0.16	0.20	0.27	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Netherlands.....	10.45	11.57	12.77	12.82	16.92	13.77	13.33	13.11	15.56	18.34
Norway.....	1.65	1.57	1.61	1.59	1.44	1.23	1.57	1.30	1.61	1.58
Portugal.....	2.29	3.09	3.71	4.53	6.08	4.83	5.13	5.49	5.66	6.80
Spain.....	62.14	58.08	55.09	61.90	49.96	50.87	54.47	49.63	45.40	47.75
Sweden.....	4.97	4.93	4.94	4.75	4.12	4.18	3.87	3.96	4.55	4.01
Switzerland.....	0.69	0.64	0.55	0.57	0.56	0.48	0.33	0.28	0.37	0.31
Turkey.....	54.55	53.53	45.75	60.20	56.87	63.50	64.65	62.30	66.69	67.20
United Kingdom.....	123.14	128.54	122.84	125.93	117.93	120.11	112.21	97.14	90.27	88.62
Former Yugoslavia.....	81.86	82.71	84.51	85.31	83.16	81.07	—	—	—	—
Bosnia and Herzegovina.....	—	—	—	—	—	—	6.92	5.54	3.24	3.13
Croatia.....	—	—	—	—	—	—	0.81	0.69	0.45	0.42
Macedonia, TFYR.....	—	—	—	—	—	—	5.95	5.33	3.53	3.42
Serbia and Montenegro.....	—	—	—	—	—	—	47.34	41.50	41.16	45.03
Slovenia.....	—	—	—	—	—	—	5.06	4.86	2.77	2.45
Total.....	1,072.41	1,067.83	1,044.52	1,072.30	1,033.96	913.99	854.75	768.28	734.40	732.16

See footnotes at end of table.

Table 1.4 World Coal Consumption, 1986 - 1995 (Continued)
(Million Short Tons)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	2.68	2.68	2.79	2.46	2.34	1.31	0.37	0.18	0.46	0.36
Bulgaria.....	47.03	49.53	44.92	45.55	41.38	36.65	37.49	37.37	36.01	34.51
Former Czechoslovakia.....	140.85	137.78	136.98	130.23	121.01	110.84	94.47	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	64.15	67.84	68.06
Slovakia.....	--	--	--	--	--	--	--	14.12	12.94	12.25
Hungary.....	29.27	29.12	26.98	24.96	22.95	22.34	20.13	17.39	17.41	17.52
Poland.....	247.27	258.26	253.41	242.35	202.44	202.06	192.11	194.07	184.67	177.91
Romania.....	62.07	67.08	76.17	79.88	51.97	43.32	47.65	47.84	50.14	49.26
Former U.S.S.R.....	802.56	806.94	821.40	777.31	848.47	672.44	--	--	--	--
Armenia.....	--	--	--	--	--	--	0.16	(s)	0.04	0.01
Azerbaijan.....	--	--	--	--	--	--	0.03	0.01	0.02	0.02
Belarus.....	--	--	--	--	--	--	2.05	1.77	1.52	1.20
Estonia.....	--	--	--	--	--	--	22.85	18.27	18.03	17.49
Georgia.....	--	--	--	--	--	--	0.68	0.25	0.28	0.29
Kazakstan.....	--	--	--	--	--	--	97.34	88.90	83.26	59.19
Kyrgyzstan.....	--	--	--	--	--	--	4.41	5.07	3.42	2.81
Latvia.....	--	--	--	--	--	--	0.74	0.67	0.47	0.18
Lithuania.....	--	--	--	--	--	--	0.72	0.73	0.53	0.54
Moldova.....	--	--	--	--	--	--	2.67	2.38	2.88	2.77
Russia.....	--	--	--	--	--	--	400.40	361.09	323.42	306.41
Tajikistan.....	--	--	--	--	--	--	0.51	0.26	0.23	0.10
Turkmenistan.....	--	--	--	--	--	--	0.55	0.44	0.44	0.22
Ukraine.....	--	--	--	--	--	--	153.25	132.41	110.53	93.69
Uzbekistan.....	--	--	--	--	--	--	8.77	8.24	8.30	6.72
Total.....	1,331.72	1,351.39	1,362.65	1,302.74	1,290.57	1,088.95	1,087.33	995.60	922.85	849.51
Middle East										
Cyprus.....	0.06	0.17	0.10	0.08	0.12	0.02	0.03	0.03	0.03	0.03
Iran.....	1.56	1.59	1.61	1.63	2.01	2.17	2.04	1.89	2.29	2.13
Israel.....	3.55	3.60	3.59	3.83	4.08	4.46	5.45	6.23	6.64	7.71
Lebanon.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12	0.12
Other.....	(s)	(s)	(s)	(s)	(s)	0.01	(s)	(s)	(s)	(s)
Total.....	5.17	5.36	5.30	5.54	6.21	6.67	7.52	8.29	9.09	10.00
Africa										
Algeria.....	1.12	1.22	1.22	1.23	1.25	1.25	1.35	1.48	1.41	0.98
Botswana.....	0.55	0.64	0.67	0.74	0.90	0.90	0.90	0.89	0.93	0.97
Cameroon.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Egypt.....	1.21	1.39	1.23	1.37	1.60	1.29	1.25	1.63	1.43	1.52
Ghana.....	(s)	(s)	(s)	(s)	(s)	0.09	(s)	(s)	(s)	(s)
Kenya.....	0.09	0.10	0.13	0.15	0.17	0.15	0.18	0.15	0.12	0.12
Libya.....	(s)	(s)	(s)	(s)	0.01	0.01	0.01	(s)	0.01	0.01
Madagascar.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Malawi.....	0.05	0.05	0.05	0.05	0.06	0.07	0.07	0.07	0.07	0.08
Mauritania.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mauritius.....	0.05	0.04	0.05	0.08	0.08	0.07	0.07	0.06	0.07	0.07
Morocco.....	1.67	1.88	1.84	1.99	1.95	2.25	1.93	2.21	2.42	2.47
Mozambique.....	0.11	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.07	0.08
Niger.....	0.14	0.18	0.17	0.19	0.19	0.19	0.19	0.19	0.20	0.21
Nigeria.....	0.12	0.09	0.07	0.06	0.07	0.07	0.09	0.11	0.12	0.12
South Africa.....	144.63	148.04	151.32	140.49	139.08	143.64	138.07	146.44	160.75	166.28
Swaziland.....	0.19	0.18	0.18	0.18	0.15	0.14	0.11	0.06	0.06	0.06
Tanzania.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Tunisia.....	0.10	0.11	0.14	0.14	0.16	0.12	0.13	0.15	0.15	0.15
Zaire.....	0.28	0.28	0.32	0.28	0.24	0.25	0.26	0.26	0.27	0.27
Zambia.....	0.60	0.50	0.68	0.43	0.41	0.41	0.43	0.44	0.45	0.47
Zimbabwe.....	4.52	5.41	5.57	5.66	5.45	5.74	6.09	5.64	6.23	6.48
Other.....	0.00	0.00	0.00	0.00	0.00	(s)	(s)	0.00	0.00	0.00
Total.....	155.48	160.23	163.73	153.13	151.86	156.73	151.22	159.89	174.80	180.35

See footnotes at end of table.

Table 1.4 World Coal Consumption, 1986 - 1995 (Continued)
(Million Short Tons)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0.18	0.18	0.15	0.14	0.12	0.10	0.09	0.08	0.08	0.08
Australia.....	84.09	93.29	95.83	104.34	117.26	112.28	113.51	101.81	98.16	123.12
Bangladesh.....	0.16	0.26	0.22	0.06	0.62	0.20	0.19	0.21	0.22	0.23
Bhutan.....	(s)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Burma.....	0.11	0.08	0.07	0.10	0.09	0.10	0.10	0.09	0.09	0.09
China.....	962.28	1,027.10	1,097.73	1,113.36	1,124.12	1,164.88	1,201.49	1,302.61	1,396.60	1,464.31
Fiji.....	0.02	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.02
Hong Kong.....	6.89	8.88	10.80	11.63	10.53	9.27	11.54	13.33	9.60	10.33
India.....	208.01	206.31	215.09	226.03	241.80	252.17	266.06	295.02	308.64	326.60
Indonesia.....	3.96	4.26	4.88	6.10	5.93	6.12	6.21	7.06	7.08	7.45
Japan.....	109.21	111.07	122.58	122.69	123.17	131.18	125.03	125.57	133.65	140.27
Korea, North.....	63.16	65.26	68.78	71.76	73.97	75.32	76.45	80.19	80.14	80.50
Korea, South.....	46.29	46.24	49.02	47.70	45.45	44.01	43.49	51.53	47.56	47.55
Laos.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Macau.....	0.00	0.00	0.00	0.00	(s)	0.00	0.00	0.00	0.00	0.00
Malaysia.....	0.47	0.64	0.68	2.15	2.44	2.55	2.58	2.23	2.96	3.34
Mongolia.....	8.37	9.09	9.35	9.02	8.80	9.14	7.79	7.77	7.96	8.00
Nepal.....	0.06	0.10	0.11	0.10	0.07	0.09	0.11	0.12	0.14	0.14
New Caledonia.....	0.19	0.17	0.19	0.23	0.18	0.19	0.19	0.19	0.18	0.18
New Zealand.....	2.46	2.51	2.42	2.65	2.57	2.24	2.11	2.57	1.92	1.74
Pakistan.....	3.33	3.38	3.91	3.87	4.68	4.44	4.57	4.55	4.68	4.34
Papua New Guinea.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Philippines.....	2.18	2.32	2.93	2.39	2.73	3.03	2.72	2.79	2.80	3.29
Singapore.....	0.01	0.02	0.02	0.02	0.04	0.02	0.03	0.03	0.05	0.05
Sri Lanka.....	0.16	0.15	0.01	0.01	0.01	0.01	0.01	0.01	(s)	(s)
Taiwan.....	14.87	16.21	18.58	19.60	18.88	20.62	24.12	27.19	28.01	30.47
Thailand.....	6.23	7.83	8.36	9.98	14.20	16.51	17.73	18.53	20.51	20.56
Vietnam.....	6.13	6.77	6.40	4.97	5.11	3.71	4.43	4.39	4.91	4.94
Total.....	1,528.85	1,612.15	1,718.15	1,758.94	1,802.81	1,858.19	1,910.58	2,047.94	2,155.98	2,277.62
World Total.....	4,985.18	5,130.17	5,279.27	5,285.42	5,277.99	5,003.54	5,001.34	5,003.97	5,024.30	5,104.01

¹ Preliminary.

² United States apparent coal consumption is calculated as: production+imports-exports-stock builds. A different methodology for deriving coal consumption is used in the Monthly Energy Review.

-- Not applicable.

(s) = Value less than 5 thousand short tons.

Notes: Sum of components may not equal total due to independent rounding.

See Glossary for definition of apparent coal consumption.

Sources: See sources at the end of Section 5.

Table 1.5 World Net Hydroelectric Power Consumption, 1986 - 1995
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	307.7	313.2	303.5	287.6	293.9	305.3	313.2	320.3	324.7	329.8
Mexico.....	19.8	18.2	21.0	24.4	23.2	21.6	25.9	26.0	19.8	27.3
United States..2.....	329.9	299.2	257.8	279.2	300.1	307.3	276.8	305.3	288.0	337.0
Total.....	657.4	630.6	582.3	591.3	617.2	634.2	615.9	651.6	632.6	694.0
Central & South America										
Argentina.....	20.8	21.8	15.6	13.2	18.0	16.3	19.4	23.9	27.1	30.0
Bolivia.....	1.1	1.1	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.4
Brazil.....	180.7	183.7	197.1	202.6	204.6	215.6	221.1	236.1	240.5	245.0
Chile.....	11.3	12.0	11.4	9.5	11.9	13.0	16.6	17.4	16.8	16.0
Colombia.....	25.0	21.3	24.3	26.4	27.2	27.2	22.2	27.7	32.0	37.0
Costa Rica.....	2.9	3.0	3.0	3.3	3.5	3.6	3.5	3.9	3.5	3.1
Dominican Republic.....	0.9	0.9	0.8	0.9	0.4	0.6	2.2	1.8	1.9	2.0
Ecuador.....	4.3	4.5	4.7	4.9	4.9	5.0	4.9	5.8	6.3	6.8
El Salvador.....	1.2	1.1	1.3	1.4	1.7	1.3	1.4	1.8	2.0	2.3
Guatemala.....	1.7	1.7	1.8	2.1	2.1	2.1	2.1	1.9	2.0	2.1
Haiti.....	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
Honduras.....	1.3	1.1	1.7	1.8	2.1	2.1	2.1	2.2	2.4	2.6
Jamaica.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nicaragua.....	0.3	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.4
Panama.....	2.1	2.0	2.2	2.2	2.2	2.0	1.9	2.3	2.4	2.5
Paraguay.....	11.9	18.4	19.9	24.2	26.9	29.1	26.8	31.1	35.5	40.0
Peru.....	10.1	10.8	10.3	10.3	10.4	11.4	9.7	11.3	11.5	11.7
Puerto Rico.....	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Suriname.....	0.8	0.3	0.5	1.1	1.4	1.4	1.4	1.5	1.4	1.4
Uruguay.....	7.2	7.2	5.4	3.9	6.9	6.1	7.8	7.2	7.4	7.5
Venezuela.....	24.9	30.5	33.9	34.3	36.6	44.0	46.6	47.0	50.9	55.0
Other.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total.....	309.1	322.8	336.4	344.6	363.1	383.1	392.1	425.2	446.0	467.4
Western Europe										
Austria.....	30.5	25.4	35.2	34.6	31.2	31.1	34.5	36.3	35.3	36.9
Belgium.....	0.3	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.3
Finland.....	12.3	13.7	13.2	12.9	10.8	13.1	15.0	13.3	11.7	12.7
France.....	61.0	68.6	74.0	45.7	52.8	56.3	67.2	63.1	76.5	71.4
Germany.....	--	--	--	--	--	14.5	17.1	17.5	18.3	19.8
Germany, East.....	1.8	1.7	1.7	1.6	1.4	--	--	--	--	--
Germany, West.....	16.5	18.4	18.1	16.5	15.8	--	--	--	--	--
Greece.....	3.2	2.8	2.4	1.9	1.8	3.1	2.2	2.3	2.6	3.3
Iceland.....	3.8	3.9	4.2	4.2	4.2	4.2	4.3	4.4	4.5	4.6
Ireland.....	0.9	0.7	0.9	0.7	0.7	0.7	0.8	0.8	0.9	0.7
Italy.....	40.6	39.1	40.2	33.6	31.3	41.8	41.8	41.0	44.2	37.4
Luxembourg.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Norway.....	95.3	102.3	107.9	117.4	119.9	109.0	115.5	118.0	111.2	120.7
Portugal.....	8.4	9.0	12.0	5.7	9.1	9.0	4.6	8.5	10.6	8.3
Spain.....	26.1	27.0	34.8	19.0	25.2	27.0	18.7	24.1	27.9	22.3
Sweden.....	60.1	71.0	69.0	70.9	71.7	62.6	73.6	73.9	58.2	67.1
Switzerland.....	32.6	34.3	35.4	29.5	29.5	31.8	32.4	35.4	38.6	34.8
Turkey.....	11.6	18.3	28.4	17.6	22.7	22.3	26.3	33.6	30.3	35.2
United Kingdom.....	4.8	4.1	4.9	4.7	5.1	4.5	5.3	4.2	5.0	4.0
Former Yugoslavia.....	27.5	26.0	25.6	23.3	19.6	18.9	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	3.0	2.0	1.2	1.0
Croatia.....	--	--	--	--	--	--	4.3	4.3	4.9	5.2
Macedonia, TFYR.....	--	--	--	--	--	--	0.8	0.5	0.7	0.7
Serbia and Montenegro.....	--	--	--	--	--	--	11.2	10.0	11.0	10.5
Slovenia.....	--	--	--	--	--	--	3.4	3.0	3.4	3.0
Other.....	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Total.....	437.5	466.8	508.5	440.4	453.2	450.4	482.6	496.8	497.6	500.0

See footnotes at end of table.

Table 1.5 World Net Hydroelectric Power Consumption, 1986 - 1995 (Continued)
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	3.4	4.1	3.9	4.1	3.2	3.5	3.2	3.3	3.7	4.3
Bulgaria.....	2.3	2.5	2.6	2.7	1.9	2.4	2.0	1.9	1.5	1.7
Former Czechoslovakia.....	4.0	4.9	4.4	4.2	3.9	3.1	3.6	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	1.6	1.8	1.7
Slovakia.....	—	—	—	—	—	—	—	3.9	4.6	5.2
Hungary.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Poland.....	3.7	4.0	4.2	3.7	3.3	3.4	3.5	3.5	3.7	4.1
Romania.....	10.7	11.1	13.5	12.5	10.9	14.1	11.6	12.6	12.9	13.5
Former U.S.S.R.....	213.5	217.5	228.5	221.0	230.7	232.7	—	—	—	—
Armenia.....	—	—	—	—	—	—	3.0	4.2	3.5	3.5
Azerbaijan.....	—	—	—	—	—	—	1.7	2.4	1.8	1.9
Georgia.....	—	—	—	—	—	—	6.5	7.0	4.7	4.7
Kazakhstan.....	—	—	—	—	—	—	6.8	7.6	9.1	9.1
Kyrgyzstan.....	—	—	—	—	—	—	9.2	9.0	11.6	11.1
Latvia.....	—	—	—	—	—	—	2.5	2.8	3.3	3.1
Lithuania.....	—	—	—	—	—	—	0.3	0.4	0.7	1.0
Moldova.....	—	—	—	—	—	—	0.3	0.4	0.3	0.3
Russia.....	—	—	—	—	—	—	170.9	173.4	175.2	179.2
Tajikistan.....	—	—	—	—	—	—	15.8	16.9	16.2	14.2
Ukraine.....	—	—	—	—	—	—	8.0	11.1	11.7	11.4
Uzbekistan.....	—	—	—	—	—	—	6.2	7.3	7.1	7.5
Other.....	0.0	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)	(s)
Total.....	237.7	244.2	257.2	248.4	253.9	259.3	255.2	269.5	273.4	277.6
Middle East										
Iran.....	6.1	6.3	6.4	6.6	6.0	7.0	9.4	9.7	7.4	7.0
Iraq.....	0.6	0.6	0.7	0.6	0.6	0.3	0.7	0.6	0.6	0.5
Israel.....	0.0	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Lebanon.....	0.6	0.6	0.6	0.5	0.5	0.6	0.7	0.7	0.8	0.9
Syria.....	1.6	2.0	4.8	4.7	5.6	6.2	7.3	6.6	6.7	6.9
Total.....	8.9	9.6	12.5	12.4	12.7	14.0	18.2	17.7	15.5	15.4
Africa										
Algeria.....	0.2	0.5	0.2	0.3	0.1	0.3	0.2	0.3	0.2	0.1
Angola.....	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4
Cameroon.....	2.3	2.3	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Congo.....	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.4	0.4	0.4
Cote d'Ivoire (Ivory Coast).....	1.2	1.2	1.2	1.6	1.3	1.2	1.0	1.1	1.1	1.1
Egypt.....	7.9	8.2	7.8	7.9	9.9	8.5	8.5	8.4	8.5	8.5
Ethiopia.....	0.8	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.1	1.0
Gabon.....	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Ghana.....	4.4	4.6	4.8	5.2	5.7	6.0	6.0	6.1	6.1	6.1
Kenya.....	1.7	1.8	2.3	2.4	2.5	2.7	2.8	3.0	3.0	3.1
Madagascar.....	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
Malawi.....	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8
Mali.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Morocco.....	0.6	0.8	0.9	1.1	1.2	1.2	1.0	0.4	0.8	1.0
Nigeria.....	3.6	3.3	4.0	4.1	4.3	5.5	5.6	5.5	5.5	5.5
Reunion.....	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
South Africa.....	1.6	1.6	3.2	2.8	1.0	2.0	0.8	0.1	1.1	0.5
Sudan.....	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Tanzania.....	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Uganda.....	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Zaire.....	5.2	5.2	5.2	5.8	5.1	5.3	5.4	5.7	5.4	5.1
Zambia.....	9.7	8.4	8.3	6.7	7.7	7.7	7.7	7.7	7.7	7.8
Zimbabwe.....	3.1	2.5	2.7	2.7	3.5	3.1	3.0	1.7	2.4	3.0
Other.....	1.1	1.3	1.3	1.3	1.1	1.2	1.2	1.2	1.3	1.3
Total.....	49.4	48.4	51.1	51.6	53.9	55.2	53.5	51.9	53.4	53.5

See footnotes at end of table.

Table 1.5 World Net Hydroelectric Power Consumption, 1986 - 1995 (Continued)
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0.7	0.8	0.7	0.8	0.8	0.7	0.5	0.5	0.5	0.5
Australia.....	14.4	13.5	13.4	14.3	14.0	15.7	15.2	16.5	16.4	15.7
Bangladesh.....	0.5	0.5	0.7	0.9	0.9	0.8	0.8	0.6	0.8	1.0
Bhutan.....	0.3	1.2	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7
Burma.....	1.0	1.0	0.9	1.1	1.2	1.2	1.5	1.7	1.6	1.5
Cambodia.....	(s)	(s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
China.....	93.6	99.2	108.0	117.2	125.1	123.8	130.2	149.2	161.3	175.0
Fiji.....	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
French Polynesia.....	(s)	(s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
India.....	53.3	47.0	57.3	61.5	70.9	72.0	69.2	69.8	70.4	71.0
Indonesia.....	7.0	7.6	8.3	8.5	10.1	10.0	12.6	12.0	12.1	12.3
Japan.....	80.0	74.0	89.9	90.8	88.4	96.5	81.7	94.6	66.6	79.7
Korea, North.....	28.7	28.8	31.2	31.4	31.4	31.4	23.8	23.8	23.3	23.0
Korea, South.....	4.0	5.3	3.5	4.5	6.3	5.0	4.8	5.9	4.1	5.4
Laos.....	0.8	0.5	0.5	0.7	0.8	0.9	0.9	0.8	0.9	0.9
Malaysia.....	4.0	4.9	5.6	5.2	3.9	4.4	4.3	4.9	5.4	6.0
Nepal.....	0.4	0.5	0.6	0.5	0.7	0.9	0.9	0.8	0.9	0.9
New Caledonia.....	0.4	0.3	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
New Zealand.....	21.9	22.1	23.1	21.9	23.1	22.9	20.4	23.1	25.3	27.0
Pakistan.....	13.7	15.1	16.5	16.8	16.8	18.1	18.5	20.9	19.2	18.5
Papua New Guinea.....	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Philippines.....	6.0	5.2	6.2	6.4	6.0	6.0	6.1	6.2	6.3	6.5
Sri Lanka.....	2.6	2.2	2.6	2.8	3.1	3.1	2.9	3.8	4.0	4.3
Taiwan.....	7.4	7.1	6.1	6.7	8.2	5.5	8.3	6.8	8.8	8.8
Thailand.....	5.5	4.0	3.7	5.5	4.9	4.5	4.2	3.7	4.5	5.5
U.S. Pacific Islands.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Vietnam.....	1.6	1.7	1.8	3.8	5.3	5.6	5.8	8.2	9.4	10.0
Western Samoa.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	348.6	343.3	383.6	404.3	425.1	432.0	415.5	456.7	444.8	476.5
World Total.....	2,048.6	2,065.8	2,131.5	2,093.0	2,179.2	2,228.2	2,233.0	2,369.4	2,363.4	2,484.3

¹ Preliminary.

² There is a discontinuity in this time series between 1988 and 1989; beginning in 1989, pumped storage is removed, and expanded coverage of industrial use of hydroelectric power and of electricity generated from non-electric utilities is included.

-- Not applicable.

(s) = Value less than 50 million kilowatthours.

Notes: Sum of components may not equal total due to independent rounding.

Consumption does not account for thermal equivalent conversion losses.

Data are reported as net consumption as opposed to gross. Net consumption excludes the energy consumed by the generating units.

Sources: See sources at the end of Section 6.

Table 1.6 World Net Nuclear Electric Power Consumption, 1986 - 1995
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	67.2	72.9	78.2	75.4	68.8	80.1	76.0	88.6	101.7	92.3
Mexico.....	0.0	0.0	0.0	0.0	2.0	4.0	3.7	4.7	4.0	8.0
United States.....	414.0	455.3	527.0	529.4	577.0	612.6	618.8	610.4	640.5	673.5
Total.....	481.3	528.2	605.1	604.8	647.8	696.8	698.6	703.7	746.2	773.8
Central & South America										
Argentina.....	5.4	6.1	4.8	4.8	7.0	7.7	6.7	7.3	7.8	7.1
Brazil.....	0.1	0.9	0.3	1.5	1.9	1.4	1.7	0.4	0.1	2.4
Total.....	5.5	7.1	5.2	6.3	9.0	9.1	8.4	7.7	7.9	9.5
Western Europe										
Belgium.....	37.3	39.8	40.9	39.1	40.6	40.6	41.3	39.8	38.6	39.3
Finland.....	18.0	18.5	18.4	18.0	18.1	18.4	18.3	18.9	18.5	18.1
France.....	239.6	249.3	260.3	288.7	297.7	315.0	321.5	349.8	342.0	358.6
Germany.....	—	—	—	—	—	139.4	150.9	145.8	143.6	146.4
Germany, East.....	10.9	10.7	11.1	11.1	5.3	—	—	—	—	—
Germany, West.....	119.6	130.5	145.1	140.4	139.8	—	—	—	—	—
Italy.....	8.3	(s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Netherlands.....	4.0	3.4	3.5	3.8	3.3	3.1	3.6	3.8	3.8	3.8
Spain.....	37.5	41.3	48.3	53.7	51.9	53.2	53.0	53.3	52.5	52.7
Sweden.....	66.9	64.3	65.6	62.8	65.2	73.5	60.8	58.3	69.5	66.5
Switzerland.....	20.1	20.5	21.5	21.5	22.4	21.7	22.3	22.2	23.1	23.7
United Kingdom.....	51.8	48.2	55.6	63.6	58.7	62.8	69.1	76.9	76.0	76.6
Former Yugoslavia.....	4.0	4.2	3.9	4.5	4.4	4.2	—	—	—	—
Slovenia.....	—	—	—	—	—	—	3.8	3.8	4.3	4.5
Total.....	617.8	630.6	674.2	707.3	707.4	731.9	744.5	772.6	771.9	790.0
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	11.4	11.7	15.1	14.6	13.5	12.4	11.0	13.3	14.6	16.4
Former Czechoslovakia.....	17.9	20.9	21.9	23.2	23.4	22.5	23.3	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	12.0	12.3	12.2
Slovakia.....	—	—	—	—	—	—	—	11.6	11.5	10.9
Hungary.....	7.0	10.4	12.7	13.1	13.1	13.1	13.3	13.1	13.3	13.3
Former U.S.S.R.....	151.6	176.3	203.7	212.7	201.3	201.5	—	—	—	—
Kazakhstan.....	—	—	—	—	—	—	0.5	0.4	0.4	0.1
Lithuania.....	—	—	—	—	—	—	13.9	12.3	7.3	10.6
Russia.....	—	—	—	—	—	—	113.6	113.2	92.9	94.3
Ukraine.....	—	—	—	—	—	—	70.1	71.4	65.4	67.0
Total.....	187.8	219.3	253.4	263.5	251.4	249.5	245.6	247.3	217.7	224.8
Africa										
South Africa.....	8.8	6.2	10.5	11.1	8.4	9.1	9.3	7.3	9.7	11.3
Total.....	8.8	6.2	10.5	11.1	8.4	9.1	9.3	7.3	9.7	11.3
Far East & Oceania										
China.....	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.5	13.5	12.4
India.....	4.7	4.7	5.2	3.8	5.6	5.2	6.0	5.9	4.7	7.2
Japan.....	158.8	188.6	173.9	174.5	182.3	202.8	212.1	236.8	255.7	275.2
Korea, South.....	26.7	37.1	37.8	45.0	50.2	53.5	53.7	55.2	55.7	63.7
Pakistan.....	0.4	0.5	0.2	0.1	0.4	0.4	0.5	0.4	0.6	0.5
Taiwan.....	25.8	31.8	29.4	27.1	31.6	33.5	30.8	31.3	31.8	33.9
Total.....	216.4	262.7	246.5	250.5	270.1	295.4	303.7	332.1	362.0	392.9
World Total.....	1,517.7	1,654.0	1,794.8	1,843.4	1,894.1	1,991.8	2,010.0	2,070.6	2,115.4	2,202.3

¹ Preliminary.

-- Not applicable.

(s) = Value less than 50 million kilowatthours.

Notes: Sum of components may not equal total due to independent rounding.

Consumption does not account for thermal equivalent conversion losses.

Data are reported as net consumption as opposed to gross. Net consumption excludes the energy consumed by the generating units.

No consumption is reported for Middle East.

Sources: See sources at the end of Section 6.

Table 1.7 World Net Geothermal, Solar, and Wind Electric Power Consumption, 1986 - 1995
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.1	0.1	0.1
Mexico.....	3.4	4.3	4.7	4.7	5.1	5.4	5.8	5.6	5.3	5.4
United States..2.....	11.5	12.3	12.0	53.6	61.2	67.2	72.9	75.8	77.2	76.9
Total.....	14.9	16.6	16.7	58.3	66.3	72.6	78.7	81.4	82.6	82.4
Central & South America										
Brazil.....	7.1	6.3	5.7	5.7	5.2	5.7	6.3	6.2	6.7	7.0
Costa Rica.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
El Salvador.....	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
Nicaragua.....	0.3	0.2	0.2	0.4	0.4	0.4	0.4	0.5	0.5	0.5
Total.....	7.7	6.9	6.3	6.5	6.0	6.5	7.1	7.1	8.0	8.3
Western Europe										
Belgium.....	0.0	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Denmark.....	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.1
France.....	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.5
Germany.....	--	--	--	--	--	(s)	(s)	0.1	1.3	1.3
Germany, West.....	0.0	0.0	(s)	(s)	(s)	--	--	--	--	--
Greece.....	0.0	(s)	(s)	0.0	(s)	0.0	(s)	(s)	(s)	(s)
Iceland.....	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3
Ireland.....	0.0	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)	(s)
Italy.....	2.6	2.8	2.9	3.0	3.1	3.0	3.5	3.8	3.5	3.6
Netherlands.....	(s)	(s)	(s)	(s)	(s)	0.1	0.1	0.2	0.2	0.3
Norway.....	0.0	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)	(s)
Portugal.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.1
Spain.....	0.0	0.0	0.0	0.0	(s)	(s)	(s)	0.1	0.1	0.2
Sweden.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.1	0.1
Switzerland.....	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)	(s)	(s)
Turkey.....	(s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
United Kingdom.....	(s)	0.0	(s)	(s)	(s)	(s)	(s)	0.2	0.3	0.3
Total.....	3.6	3.9	4.1	4.3	4.6	4.7	5.5	6.4	7.7	7.9
Eastern Europe & Former U.S.S.R.										
Romania.....	(s)	(s)	(s)	(s)	(s)	0.0	0.0	0.0	0.0	0.0
Former U.S.S.R.....	0.0	0.0	0.0	(s)	(s)	(s)	--	--	--	--
Russia.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Total.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Middle East										
Jordan.....	0.0	0.0	0.0	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	0.0	0.0	0.0	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Africa										
Ethiopia.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Kenya.....	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
Total.....	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Far East & Oceania										
Australia.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(s)	(s)
India.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.1	0.1	0.1
Indonesia.....	0.6	0.7	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.1
Japan.....	1.3	1.3	1.3	1.3	1.6	1.7	1.7	1.7	1.8	2.9
New Zealand.....	1.1	1.1	1.2	1.8	2.1	2.1	2.1	2.1	1.9	2.0
Philippines.....	4.3	4.3	4.6	5.1	5.2	5.5	5.4	5.5	5.5	5.6
Vietnam.....	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6
Total.....	7.5	7.6	8.3	9.1	10.0	10.3	10.3	10.9	11.0	12.2
World Total.....	34.2	35.5	35.8	78.7	87.4	94.6	102.0	106.1	109.5	111.2

¹ Preliminary.

² There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

-- Not applicable.

(s) = Value less than 50 million kilowatthours.

Notes: Sum of components may not equal total due to independent rounding.

Consumption does not account for thermal equivalent conversion losses.

Data are reported as net consumption as opposed to gross. Net consumption excludes the energy consumed by the generating units.

Sources: See sources at the end of Section 6.

Table 1.8 World Consumption of Primary Energy by Selected Country Groups (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Petroleum										
World Total.....	126.70	128.95	132.96	134.82	134.89	136.13	136.40	136.45	138.95	141.15
OECD ²	75.14	76.26	78.94	79.76	79.59	80.19	81.67	81.88	83.83	84.68
Non OECD.....	51.56	52.69	54.02	55.06	55.29	55.94	54.72	54.57	55.12	56.47
Other Groups:.....										
OECD Europe.....	25.86	26.08	26.45	26.56	26.70	27.75	28.18	27.92	28.05	28.73
OPEC ³	7.92	8.09	8.38	8.74	9.11	9.31	9.55	10.09	10.30	10.81
EU, ⁴	24.09	24.16	24.58	24.71	24.75	25.80	26.18	25.79	25.96	26.59
IEA ⁵	72.00	73.04	75.64	76.38	76.13	76.71	78.18	78.26	80.08	80.97
Natural Gas										
World Total.....	62.37	65.63	68.88	71.90	72.02	73.26	73.60	75.78	75.73	77.65
OECD ²	30.97	32.52	33.56	35.20	35.60	37.13	38.00	39.24	40.29	42.12
Non OECD.....	31.40	33.11	35.33	36.70	36.42	36.13	35.61	36.54	35.43	35.53
Other Groups:.....										
OECD Europe.....	8.83	9.35	9.16	9.66	10.07	10.91	10.92	11.52	11.60	12.39
OPEC ³	4.57	5.08	5.50	5.94	5.84	5.95	6.48	6.83	7.31	7.79
EU, ⁴	8.66	9.18	8.97	9.39	9.78	10.59	10.53	11.14	11.21	11.93
IEA ⁵	30.04	31.64	32.61	34.24	34.64	35.92	36.76	38.10	39.13	40.91
Coal										
World Total.....	86.39	89.07	91.63	91.42	91.85	88.07	89.17	90.69	91.22	93.12
OECD ²	35.58	36.64	37.37	37.90	38.05	36.61	35.67	35.86	35.78	36.91
Non OECD.....	50.80	52.43	54.26	53.51	53.79	51.47	53.50	54.84	55.44	56.21
Other Groups:.....										
OECD Europe.....	13.41	13.43	12.89	13.27	12.99	12.02	11.03	10.22	9.97	10.07
OPEC ³	0.17	0.18	0.19	0.23	0.24	0.25	0.25	0.27	0.30	0.29
EU, ⁴	12.82	12.86	12.38	12.65	12.37	11.26	10.34	9.54	9.24	9.34
IEA ⁵	35.43	36.47	37.20	37.73	37.91	36.48	35.50	35.67	35.57	36.67
Hydroelectric Power										
World Total.....	21.34	21.51	22.17	21.77	22.67	23.16	23.20	24.60	24.54	25.79
OECD ²	12.35	12.31	12.40	11.81	12.24	12.48	12.38	13.10	12.63	13.44
Non OECD.....	8.99	9.20	9.77	9.95	10.43	10.68	10.81	11.51	11.91	12.35
Other Groups:.....										
OECD Europe.....	4.29	4.61	5.05	4.36	4.53	4.49	4.78	4.96	4.96	4.99
OPEC ³	0.44	0.51	0.55	0.57	0.60	0.70	0.78	0.78	0.80	0.84
EU, ⁴	2.79	2.96	3.22	2.61	2.70	2.75	2.93	2.97	3.04	2.96
IEA ⁵	12.10	12.08	12.14	11.52	11.96	12.21	12.07	12.78	12.37	13.11
Nuclear Electric Power										
World Total.....	16.34	17.80	19.30	19.82	20.26	21.29	21.34	21.99	22.43	23.32
OECD ²	13.37	14.29	15.42	15.76	16.22	17.25	17.47	18.09	18.72	19.38
Non OECD.....	2.97	3.50	3.88	4.06	4.03	4.03	3.87	3.90	3.71	3.94
Other Groups:.....										
OECD Europe.....	6.43	6.54	7.01	7.35	7.38	7.64	7.78	8.09	8.07	8.25
OPEC ³	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EU, ⁴	6.21	6.32	6.78	7.12	7.14	7.41	7.55	7.86	7.82	8.00
IEA ⁵	13.37	14.29	15.42	15.76	16.20	17.21	17.44	18.04	18.68	19.30

See footnotes at end of table.

Table 1.8 World Consumption of Primary Energy by Selected Country Groups (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Geothermal, Solar, and Wind Electric Power										
World Total.....	0.71	0.73	0.73	1.22	1.33	1.42	1.51	1.57	1.60	1.62
OECD ²	0.43	0.46	0.47	0.95	1.07	1.14	1.22	1.26	1.28	1.28
Non OECD.....	0.28	0.27	0.26	0.27	0.27	0.28	0.29	0.31	0.33	0.34
Other Groups:.....										
OECD Europe.....	0.07	0.07	0.08	0.08	0.08	0.08	0.10	0.11	0.12	0.12
OPEC ³	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
EU ⁴	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.10	0.11	0.11
IEA ⁵	0.35	0.37	0.36	0.85	0.95	1.02	1.10	1.14	1.16	1.17
Total Energy⁶										
World Total.....	313.48	323.21	335.33	340.78	342.99	343.10	344.93	350.79	354.02	362.24
OECD ²	167.56	172.11	177.91	181.33	182.82	184.67	186.18	189.20	192.13	197.46
Non OECD.....	145.92	151.10	157.42	159.45	160.18	158.44	158.75	161.59	161.89	164.78
Other Groups:.....										
OECD Europe.....	58.97	60.17	60.73	61.38	61.81	62.98	62.84	62.89	62.82	64.60
OPEC ³	13.10	13.87	14.65	15.49	15.81	16.22	17.07	17.97	18.72	19.74
EU ⁴	54.79	55.73	56.26	56.83	57.08	58.03	57.81	57.62	57.57	59.12
IEA ⁵	163.02	167.54	173.15	176.42	177.84	179.44	180.81	183.79	186.60	191.79

¹ Preliminary.

² The Organization for Economic Cooperation and Development (OECD) includes Australia, Austria, Belgium, Canada, Denmark (including data for Faroe Islands and Greenland), Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and the United States (including data for Guam, Hawaiian Trade Zone, Puerto Rico, and Virgin Islands, U.S.). Refer to Appendix A for a listing of OECD Europe.

³ The Organization of Petroleum Exporting Countries (OPEC) includes Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

⁴ European Union (EU) includes Austria, Belgium, Denmark (including data for Faroe Islands), Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, and United Kingdom.

⁵ International Energy Agency (IEA) includes Australia, Austria, Belgium, Canada, Denmark (including data for Faroe Islands and Greenland), Finland, France, Germany, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and the United States (including data for Guam, Hawaiian Trade Zone, Puerto Rico, and Virgin Islands, U.S.).

⁶ Total energy consumption, as reported here, includes electricity imports and excludes electricity exports. The consumption of electric power by type, as reported in this table, is not adjusted for electricity imports and exports, except for hydroelectric power in the United States. (Consistent with the Monthly Energy Review, net imports of electricity by the United States are assumed to be hydroelectricity and are included in hydroelectric power consumption.) As a result, total energy consumption may not be equal to the sum of the individual fuel types reported in this table.
(s) = Value less than 5 trillion Btu.

Notes: For consistency data reflect 1995 membership (as of December 31, 1995) for all years. The country groups OECD, OECD Europe, EU, and IEA include unified Germany. Sum of components may not equal total due to independent rounding.

Primary energy consumption includes petroleum, natural gas, coal, and net hydroelectric, nuclear, geothermal, solar, and wind electric power. Data for United States also include electricity generated from wood and waste. United States apparent coal consumption is calculated as: production+imports-exports-stock builds. A different methodology for deriving coal consumption is used in the Monthly Energy Review.

Sources: See sources at the end of Sections 3, 4, 5, and 6.

Section 2

World Energy Production, 1986-1995

Table 2.1 World Production of Primary Energy by Selected Country Groups, 1986 - 1995

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Petroleum (thousand barrels per day)²										
World Total.....	61,771	62,429	64,707	65,894	66,756	66,634	66,937	67,345	68,218	69,916
OECD ³	20,672	20,729	20,658	19,962	20,082	20,657	21,007	21,161	21,834	22,298
Non OECD.....	41,099	41,699	44,049	45,933	46,673	45,977	45,930	46,183	46,384	47,618
Other Groups:.....										
OECD Europe.....	4,426	4,478	4,487	4,426	4,588	4,825	5,222	5,434	6,157	6,577
OPEC ⁴	19,310	19,589	21,465	23,323	24,536	24,625	25,818	26,610	27,031	27,654
EU, ⁵	3,449	3,342	3,196	2,734	2,725	2,744	2,806	2,900	3,453	3,597
IEA ⁶	17,857	17,815	17,748	17,030	17,073	17,492	17,856	18,001	18,660	19,205
Natural Gas (trillion cubic feet)										
World Total.....	63.59	66.54	69.81	72.25	73.61	74.81	74.87	76.30	76.73	78.30
OECD ³	27.72	28.72	29.35	30.06	30.72	31.45	32.17	33.23	34.40	35.26
Non OECD.....	35.88	37.83	40.46	42.19	42.89	43.36	42.70	43.07	42.33	43.04
Other Groups:.....										
OECD Europe.....	7.12	7.37	6.96	7.21	7.15	7.74	7.79	8.21	8.31	8.62
OPEC ⁴	5.87	6.50	6.99	7.65	7.73	8.20	8.64	9.01	9.44	10.12
EU, ⁵	6.12	6.30	5.90	6.12	6.17	6.77	6.75	7.24	7.26	7.54
IEA ⁶	26.79	27.85	28.43	29.13	29.77	30.51	31.24	32.33	33.49	34.32
Coal (million short tons)										
World Total.....	5,022	5,131	5,235	5,324	5,356	5,033	5,030	4,958	5,041	5,091
OECD ³	2,034	2,071	2,081	2,137	2,142	1,990	1,950	1,844	1,899	1,899
Non OECD.....	2,988	3,060	3,154	3,187	3,214	3,043	3,080	3,114	3,142	3,191
Other Groups:.....										
OECD Europe.....	868	850	832	838	791	661	613	556	515	495
OPEC ⁴	5	5	7	13	16	20	28	36	39	49
EU, ⁵	817	798	788	780	738	610	556	502	454	435
IEA ⁶	2,027	2,062	2,073	2,129	2,135	1,984	1,944	1,837	1,889	1,889
Hydroelectric Power (billion kilowatthours)										
World Total.....	2,012.7	2,019.4	2,099.8	2,089.4	2,174.8	2,212.4	2,214.6	2,352.1	2,345.4	2,470.8
OECD ³	1,148.0	1,135.0	1,160.1	1,132.2	1,172.2	1,185.1	1,175.0	1,245.8	1,199.8	1,283.0
Non OECD.....	864.7	884.5	939.7	957.2	1,002.6	1,027.2	1,039.5	1,106.3	1,145.6	1,187.8
Other Groups:.....										
OECD Europe.....	410.0	440.9	482.8	417.1	433.6	431.4	459.9	477.0	476.5	479.7
OPEC ⁴	42.4	48.8	53.4	54.4	57.9	67.1	75.1	75.1	76.6	80.4
EU, ⁵	266.6	282.0	306.9	248.5	257.2	264.2	281.4	285.5	291.9	284.4
IEA ⁶	1,124.3	1,112.8	1,135.0	1,103.6	1,144.8	1,159.4	1,144.8	1,215.4	1,175.5	1,251.1
Nuclear Electric Power (billion kilowatthours)										
World Total.....	1,517.7	1,654.0	1,794.8	1,843.4	1,894.1	1,991.8	2,010.0	2,070.6	2,115.4	2,202.3
OECD ³	1,253.8	1,343.2	1,449.3	1,482.1	1,533.2	1,627.3	1,651.4	1,709.3	1,769.5	1,834.6
Non OECD.....	263.8	310.8	345.5	361.4	360.9	364.5	358.6	361.4	345.9	367.8
Other Groups:.....										
OECD Europe.....	613.8	626.4	670.3	702.8	703.0	727.8	740.7	768.8	767.6	785.6
OPEC ⁴	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EU, ⁵	593.7	605.9	648.8	681.3	680.6	706.1	718.4	746.6	744.5	761.9
IEA ⁶	1,253.8	1,343.2	1,449.3	1,482.1	1,531.1	1,623.3	1,647.7	1,704.6	1,765.5	1,826.5

See footnotes at end of table.

Table 2.1 World Production of Primary Energy by Selected Country Groups, 1986 - 1995 (Continued)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Geothermal, Solar, and Wind Electric Power (billion kilowatthours)										
World Total.....	34.2	35.5	35.8	78.7	87.4	94.6	102.0	106.1	109.5	111.2
OECD ³	21.0	23.0	23.3	65.8	74.7	81.1	88.1	91.6	94.0	95.2
Non OECD.....	13.2	12.5	12.4	12.9	12.7	13.5	13.9	14.5	15.5	16.0
Other Groups:.....										
OECD Europe.....	3.6	3.9	4.1	4.3	4.6	4.7	5.5	6.4	7.7	7.9
OPEC ⁴	0.6	0.7	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.1
EU, ⁵	3.4	3.6	3.8	4.0	4.3	4.4	5.3	6.1	7.3	7.6
IEA ⁶	17.4	18.4	18.4	60.8	69.3	75.4	82.1	85.7	88.4	89.5

¹ Preliminary.

² Data include the production of crude oil, natural gas plant liquids, refinery gain, and other liquid fuels.

³ The Organization for Economic Cooperation and Development (OECD) includes Australia, Austria, Belgium, Canada, Denmark (including data for Faroe Islands and Greenland), Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and the United States (including data for Guam, Hawaiian Trade Zone, Puerto Rico, and Virgin Islands, U.S.). Refer to Appendix A for a listing of OECD Europe.

⁴ The Organization of Petroleum Exporting Countries (OPEC) includes Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

⁵ European Union (EU) includes Austria, Belgium, Denmark (including data for Faroe Islands), Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, and United Kingdom.

⁶ International Energy Agency (IEA) includes Australia, Austria, Belgium, Canada, Denmark (including data for Faroe Islands and Greenland), Finland, France, Germany, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and the United States (including data for Guam, Hawaiian Trade Zone, Puerto Rico, and Virgin Islands, U.S.).

Notes: For consistency data reflect 1995 membership (as of December 31, 1995) for all years. The country groups OECD, OECD Europe, EU, and IEA include unified Germany. Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Sections 3, 4, 5, and 6.

Table 2.2 World Crude Oil Production, 1986 - 1995
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada ²	1,474	1,535	1,616	1,560	1,553	1,548	1,605	1,679	1,746	1,805
Mexico	2,435	2,548	2,512	2,520	2,553	2,680	2,669	2,673	2,685	2,618
United States	8,680	8,349	8,140	7,613	7,355	7,417	7,171	6,847	6,662	6,580
Total	12,589	12,432	12,268	11,693	11,461	11,644	11,446	11,199	11,093	10,982
Central & South America										
Argentina	434	428	449	460	483	485	553	594	650	715
Bolivia	18	19	19	20	21	21	21	22	23	29
Brazil	572	566	554	596	631	630	626	643	671	695
Chile	31	30	24	22	20	17	15	14	12	11
Colombia	305	385	378	403	440	419	433	456	450	585
Cuba	18	18	15	15	14	14	16	20	24	26
Ecuador	293	174	302	279	285	299	321	344	365	392
Peru	178	164	141	130	129	115	116	126	128	130
Trinidad and Tobago	168	157	157	154	150	151	137	135	132	131
Venezuela	1,787	1,752	1,903	1,907	2,137	2,375	2,371	2,450	2,588	2,750
Other	9	7	7	9	9	9	11	13	16	18
Total	3,813	3,700	3,950	3,995	4,318	4,535	4,621	4,817	5,059	5,482
Western Europe										
Austria	22	21	23	23	22	26	23	22	21	23
Denmark	76	97	99	117	121	143	163	174	185	186
France	60	65	67	65	61	59	58	55	56	50
Germany	—	—	—	—	—	71	63	61	58	59
Germany, East	1	1	1	1	1	—	—	—	—	—
Germany, West	80	74	78	75	71	—	—	—	—	—
Greece	25	24	21	17	15	16	13	11	10	9
Italy	49	67	90	82	87	80	83	83	86	93
Netherlands	93	87	77	64	70	74	53	50	78	66
Norway	870	1,022	1,158	1,554	1,704	1,890	2,229	2,350	2,521	2,768
Spain	38	34	30	21	16	22	22	18	17	13
Sweden	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Turkey	46	51	50	56	73	88	84	76	72	67
United Kingdom	2,539	2,406	2,232	1,802	1,820	1,797	1,825	1,915	2,375	2,489
Former Yugoslavia	84	79	75	70	64	60	—	—	—	—
Croatia	—	—	—	—	—	—	36	36	39	32
Serbia and Montenegro	—	—	—	—	—	—	23	23	24	22
Slovenia	—	—	—	—	—	—	0	(s)	(s)	(s)
Total	3,983	4,028	4,001	3,947	4,125	4,326	4,676	4,873	5,543	5,878
Eastern Europe & Former U.S.S.R.										
Albania	55	54	44	47	30	19	11	11	12	10
Bulgaria	6	6	4	5	4	1	1	1	1	1
Former Czechoslovakia	3	3	3	3	2	3	2	—	—	—
Czech Republic	—	—	—	—	—	—	—	2	2	3
Slovakia	—	—	—	—	—	—	—	1	1	1
Hungary	37	35	39	36	40	34	33	34	39	35
Poland	4	3	3	3	2	3	3	5	5	5
Romania	221	215	193	180	163	140	136	133	138	135
Former U.S.S.R.	11,895	12,050	12,053	11,715	10,975	9,992	—	—	—	—
Azerbaijan	—	—	—	—	—	—	213	200	184	175
Belarus	—	—	—	—	—	—	40	40	40	38
Georgia	—	—	—	—	—	—	3	2	2	4
Kazakhstan	—	—	—	—	—	—	444	408	352	362
Kyrgyzstan	—	—	—	—	—	—	2	2	2	2
Lithuania	—	—	—	—	—	—	0	2	3	3
Russia	—	—	—	—	—	—	7,632	6,730	6,135	5,995
Tajikistan	—	—	—	—	—	—	1	1	(s)	1
Turkmenistan	—	—	—	—	—	—	98	79	77	70
Ukraine	—	—	—	—	—	—	72	66	64	65
Uzbekistan	—	—	—	—	—	—	36	47	75	115
Total	12,221	12,366	12,339	11,989	11,216	10,191	8,727	7,764	7,131	7,020

See footnotes at end of table.

Table 2.2 World Crude Oil Production, 1986 - 1995 (Continued)
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Bahrain.....	44	42	43	43	42	38	37	41	41	41
Iran.....	2,035	2,298	2,240	2,810	3,088	3,312	3,429	3,540	3,618	3,643
Iraq.....	1,690	2,079	2,685	2,897	2,040	305	425	512	553	560
Israel.....	1	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	1	1	1	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Kuwait.....	1,419	1,585	1,492	1,783	1,175	190	1,058	1,852	2,025	2,057
Oman.....	560	582	617	641	685	700	740	776	810	851
Qatar.....	308	293	346	380	406	395	423	413	415	483
Saudi Arabia.....	4,870	4,265	5,086	5,064	6,410	8,115	8,332	8,198	8,120	8,231
Syria.....	194	230	265	340	388	492	481	554	560	610
United Arab Emirates.....	1,330	1,541	1,565	1,860	2,117	2,386	2,266	2,159	2,193	2,279
Yemen.....	10	20	173	194	193	197	182	220	335	345
Total.....	12,462	12,936	14,513	16,013	16,545	16,130	17,373	18,265	18,669	19,102
Africa										
Algeria.....	945	1,048	1,040	1,095	1,175	1,230	1,214	1,162	1,180	1,202
Angola.....	282	360	452	455	475	500	526	509	536	646
Benin.....	8	7	5	4	4	4	6	6	6	3
Cameroon.....	177	174	163	170	161	153	140	127	108	100
Congo.....	119	123	144	164	165	156	174	181	180	188
Cote d'Ivoire (Ivory Coast).....	20	18	12	2	2	2	2	1	7	8
Egypt.....	813	896	848	865	873	874	881	890	896	920
Equatorial Guinea.....	0	0	0	0	0	(s)	2	5	5	7
Gabon.....	166	155	159	208	270	294	298	313	329	345
Ghana.....	(s)	0	0	0	0	0	1	2	1	4
Libya.....	1,034	972	1,175	1,150	1,375	1,483	1,433	1,361	1,378	1,390
Morocco.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Nigeria.....	1,467	1,341	1,450	1,716	1,810	1,892	1,943	1,960	1,931	1,993
South Africa.....	0	0	0	0	0	0	4	10	11	10
Sudan.....	0	0	0	0	0	0	(s)	(s)	(s)	(s)
Tunisia.....	111	106	103	105	93	104	109	98	92	89
Zaire.....	32	32	30	28	29	28	26	25	26	30
Total.....	5,175	5,232	5,581	5,962	6,432	6,721	6,759	6,648	6,685	6,935
Far East & Oceania										
Australia.....	520	547	538	490	575	545	535	503	536	562
Bangladesh.....	(s)	1	1	1	1	1	1	1	1	1
Brunei.....	166	139	137	132	150	161	165	165	167	160
Burma.....	24	17	13	15	13	15	14	15	15	16
China.....	2,620	2,690	2,730	2,757	2,774	2,835	2,845	2,890	2,939	2,990
India.....	630	609	635	700	660	615	561	534	590	703
Indonesia.....	1,390	1,343	1,342	1,409	1,462	1,592	1,504	1,511	1,510	1,503
Japan.....	13	12	12	11	11	15	17	12	11	11
Malaysia.....	504	497	540	585	619	646	653	640	645	682
New Zealand.....	29	28	33	38	40	41	38	41	39	32
Pakistan.....	42	42	45	48	62	62	61	60	55	57
Papua New Guinea.....	0	0	0	0	0	(s)	53	126	110	100
Philippines.....	8	6	6	5	5	3	8	9	6	3
Taiwan.....	2	3	2	2	3	2	2	1	1	1
Thailand.....	35	33	36	40	44	46	51	52	56	51
Vietnam.....	1	5	15	32	50	80	106	120	141	173
Total.....	5,984	5,972	6,085	6,264	6,468	6,660	6,614	6,682	6,824	7,047
World Total.....	56,227	56,666	58,737	59,863	60,566	60,207	60,216	60,247	61,003	62,446

¹ Preliminary.

² Includes oil processed from Athabasca Tar Sands.

-- Not applicable.

(s) = Value less than 500 barrels per day.

Notes: Sum of components may not equal total due to independent rounding. Crude oil includes lease condensate.

Sources: See sources at the end of Section 3.

Table 2.3 World Natural Gas Plant Liquids Production, 1986 - 1995
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	328	367	381	410	426	431	460	506	529	581
Mexico.....	352	338	370	384	428	457	454	459	461	447
United States.....	1,551	1,595	1,625	1,546	1,559	1,659	1,697	1,736	1,727	1,762
Total.....	2,231	2,300	2,376	2,340	2,413	2,548	2,611	2,701	2,717	2,789
Central & South America										
Argentina.....	31	36	35	27	27	30	30	35	44	42
Bolivia.....	5	4	5	5	5	5	7	7	7	9
Brazil.....	20	25	25	22	20	22	25	25	35	40
Chile.....	10	10	10	10	12	11	11	12	12	13
Colombia.....	5	6	4	8	8	6	6	5	5	8
Cuba.....	2	2	2	2	2	2	2	2	2	2
Ecuador.....	2	2	2	2	2	2	3	9	9	9
Peru.....	1	1	1	(s)	1	1	1	1	1	1
Trinidad and Tobago.....	0	0	0	0	0	3	5	(s)	(s)	(s)
Venezuela.....	97	94	98	108	114	117	113	143	146	149
Total.....	173	180	182	184	191	199	203	239	262	273
Western Europe										
Austria.....	1	1	1	1	1	1	1	1	1	1
France.....	14	12	12	12	11	10	13	13	13	12
Greece.....	2	2	2	2	2	1	1	1	1	1
Italy.....	1	1	1	1	1	1	1	1	1	1
Netherlands.....	11	11	11	13	14	10	13	16	25	21
Norway.....	53	55	75	74	78	94	95	100	103	137
Spain.....	7	6	7	9	11	11	9	6	4	4
United Kingdom.....	152	162	159	140	108	141	160	169	218	267
Former Yugoslavia.....	4	11	11	8	10	8	—	—	—	—
Croatia.....	—	—	—	—	—	—	6	7	7	8
Total.....	245	260	279	260	236	277	299	313	373	450
Eastern Europe & Former U.S.S.R.										
Former Czechoslovakia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	(s)	(s)	(s)
Hungary.....	25	22	23	15	15	13	13	11	11	11
Poland.....	1	1	1	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Romania.....	15	15	13	13	8	8	7	4	4	6
Former U.S.S.R.....	440	430	450	425	425	420	—	—	—	—
Azerbaijan.....	—	—	—	—	—	—	9	8	8	7
Kazakhstan.....	—	—	—	—	—	—	86	82	63	52
Kyrgyzstan.....	—	—	—	—	—	—	(s)	(s)	(s)	(s)
Russia.....	—	—	—	—	—	—	230	220	200	180
Tajikistan.....	—	—	—	—	—	—	(s)	(s)	(s)	(s)
Turkmenistan.....	—	—	—	—	—	—	12	11	8	11
Ukraine.....	—	—	—	—	—	—	23	21	21	20
Uzbekistan.....	—	—	—	—	—	—	30	38	40	45
Total.....	481	468	487	453	448	441	411	395	355	332
Middle East										
Bahrain.....	8	9	9	8	5	5	7	12	13	10
Iran.....	15	20	20	27	35	50	50	55	55	60
Iraq.....	10	10	20	54	30	0	(s)	15	20	25
Kuwait.....	75	95	100	105	65	0	34	53	85	95
Oman.....	4	6	6	10	10	8	6	5	6	10
Qatar.....	22	24	30	24	40	50	55	55	50	55
Saudi Arabia.....	385	418	499	503	620	680	713	704	698	701
Syria.....	1	1	1	2	2	2	2	8	8	9
United Arab Emirates.....	185	145	130	130	135	146	144	146	150	160
Total.....	705	728	815	863	942	941	1,011	1,053	1,085	1,125

See footnotes at end of table.

Table 2.3 World Natural Gas Plant Liquids Production, 1986 - 1995 (Continued)
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Africa										
Algeria.....	120	140	120	130	130	140	140	145	140	145
Egypt.....	24	25	35	45	40	45	45	55	58	60
Libya.....	30	30	30	35	35	40	40	41	41	40
Tunisia.....	0	3	5	5	5	5	5	4	4	1
Total.....	174	198	190	215	210	230	230	245	243	246
Far East & Oceania ²										
Australia.....	60	65	67	65	63	61	56	55	56	52
Bangladesh.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Brunei.....	15	11	11	10	10	10	12	13	13	10
Burma.....	0	0	1	1	1	1	1	1	1	1
India.....	5	7	9	10	10	10	28	30	45	47
Indonesia.....	30	30	30	72	77	76	75	78	80	76
Japan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	4	4	4
Malaysia.....	9	11	11	11	12	12	13	17	17	20
New Zealand.....	3	3	4	4	4	5	5	5	5	5
Pakistan.....	(s)	(s)	(s)	(s)	(s)	2	3	2	3	5
Taiwan.....	2	2	2	2	1	1	1	1	1	1
Thailand.....	16	14	16	11	13	13	14	15	22	37
Total.....	141	144	152	187	192	192	209	222	247	259
World Total.....	4,150	4,279	4,481	4,502	4,632	4,827	4,973	5,169	5,282	5,474

¹ Preliminary.

² Does not include China for which data are unavailable.

-- Not applicable.

(s) = Value less than 500 barrels per day.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 3.

Table 2.4 World Dry Natural Gas Production, 1986 - 1995
(Trillion Cubic Feet)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	2.86	3.10	3.57	3.80	3.85	4.06	4.52	4.91	5.26	5.60
Mexico.....	0.92	0.86	0.92	0.93	0.94	0.94	0.92	0.90	0.91	0.94
United States.....	16.06	16.62	17.10	17.31	17.81	17.70	17.84	18.10	18.75	18.80
Total.....	19.84	20.59	21.60	22.03	22.60	22.69	23.28	23.90	24.92	25.34
Central & South America										
Argentina.....	0.55	0.53	0.63	0.72	0.63	0.70	0.71	0.76	0.79	0.89
Barbados.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Bolivia.....	0.09	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.10	0.11
Brazil.....	0.09	0.10	0.10	0.12	0.10	0.12	0.13	0.15	0.15	0.16
Chile.....	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.06	0.07	0.07
Colombia.....	0.14	0.14	0.15	0.15	0.15	0.16	0.15	0.16	0.16	0.18
Cuba.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Ecuador.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Peru.....	0.05	0.05	0.04	0.04	0.02	0.02	0.02	0.03	0.03	0.03
Trinidad and Tobago.....	0.15	0.14	0.15	0.16	0.18	0.20	0.19	0.22	0.25	0.27
Venezuela.....	0.67	0.66	0.66	0.77	0.76	0.79	0.76	0.81	0.88	0.93
Total.....	1.78	1.74	1.87	2.13	2.01	2.15	2.14	2.30	2.44	2.64
Western Europe										
Austria.....	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Belgium.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Denmark.....	0.07	0.09	0.09	0.11	0.11	0.14	0.15	0.16	0.17	0.19
France.....	0.16	0.13	0.11	0.11	0.10	0.11	0.11	0.12	0.12	0.11
Germany.....	--	--	--	--	--	0.67	0.68	0.68	0.67	0.72
Germany, East.....	0.30	0.29	0.31	0.28	0.14	--	--	--	--	--
Germany, West.....	0.55	0.63	0.59	0.58	0.58	--	--	--	--	--
Greece.....	(s)	(s)	(s)	(s)	0.01	(s)	(s)	(s)	(s)	(s)
Ireland.....	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.09	0.10	0.10
Italy.....	0.56	0.58	0.59	0.60	0.61	0.61	0.64	0.69	0.73	0.71
Netherlands.....	2.76	2.77	2.45	2.67	2.69	3.04	3.06	3.11	2.95	2.98
Norway.....	0.99	1.06	1.05	1.09	0.98	0.97	1.04	0.97	1.04	1.07
Spain.....	0.01	0.03	0.03	0.06	0.05	0.05	0.04	0.02	0.01	0.01
Switzerland.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Turkey.....	0.02	0.01	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
United Kingdom.....	1.60	1.68	1.62	1.58	1.75	2.01	1.93	2.31	2.47	2.66
Former Yugoslavia.....	0.09	0.08	0.11	0.10	0.09	0.09	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	(s)	0.00	0.00	0.00
Croatia.....	--	--	--	--	--	--	0.06	0.07	0.06	0.07
Serbia and Montenegro.....	--	--	--	--	--	--	0.03	0.03	0.03	0.03
Slovenia.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Total.....	7.21	7.44	7.07	7.32	7.24	7.83	7.89	8.32	8.40	8.72

See footnotes at end of table.

Table 2.4 World Dry Natural Gas Production, 1986 - 1995 (Continued)
(Trillion Cubic Feet)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	0.01	0.02	0.02	0.02	0.01	0.01	(s)	(s)	(s)	(s)
Bulgaria.....	0.01	(s)	(s)	(s)	0.00	0.00	(s)	(s)	(s)	(s)
Former Czechoslovakia.....	0.03	0.02	0.03	0.03	0.03	0.02	0.01	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	0.01	0.01	0.01
Slovakia.....	--	--	--	--	--	--	--	0.01	0.01	0.01
Hungary.....	0.25	0.22	0.22	0.22	0.17	0.18	0.18	0.19	0.17	0.17
Poland.....	0.21	0.20	0.20	0.19	0.14	0.15	0.14	0.18	0.16	0.17
Romania.....	1.34	1.32	1.28	1.13	1.00	0.88	0.78	0.75	0.69	0.68
Former U.S.S.R.....	24.19	25.36	27.19	28.11	28.78	28.62	--	--	--	--
Azerbaijan.....	--	--	--	--	--	--	0.28	0.24	0.23	0.23
Belarus.....	--	--	--	--	--	--	0.01	0.01	0.01	0.01
Georgia.....	--	--	--	--	--	--	(s)	0.00	0.00	0.00
Kazakstan.....	--	--	--	--	--	--	0.29	0.24	0.16	0.17
Kyrgyzstan.....	--	--	--	--	--	--	(s)	0.00	(s)	(s)
Russia.....	--	--	--	--	--	--	22.62	21.81	21.45	21.01
Tajikistan.....	--	--	--	--	--	--	(s)	0.00	(s)	(s)
Turkmenistan.....	--	--	--	--	--	--	2.02	2.29	1.26	1.14
Ukraine.....	--	--	--	--	--	--	0.74	0.68	0.64	0.62
Uzbekistan.....	--	--	--	--	--	--	1.51	1.59	1.67	1.70
Total.....	26.03	27.14	28.95	29.70	30.13	29.85	28.58	27.99	26.47	25.92
Middle East										
Bahrain.....	0.18	0.22	0.18	0.19	0.21	0.23	0.19	0.23	0.23	0.23
Iran.....	0.54	0.56	0.71	0.78	0.84	0.92	0.88	0.96	1.12	1.24
Iraq.....	0.05	0.13	0.20	0.22	0.15	0.04	0.10	0.09	0.11	0.11
Israel.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	0.00	0.00	0.00	(s)	(s)	(s)	0.01	0.01	0.01	0.01
Kuwait.....	0.17	0.19	0.23	0.29	0.19	0.02	0.09	0.19	0.21	0.21
Oman.....	0.07	0.08	0.07	0.10	0.10	0.12	0.12	0.14	0.15	0.17
Qatar.....	0.19	0.20	0.21	0.22	0.28	0.33	0.40	0.48	0.48	0.48
Saudi Arabia.....	0.89	0.95	1.03	1.05	1.08	1.13	1.20	1.27	1.33	1.42
Syria.....	0.01	0.02	0.02	0.04	0.10	0.12	0.13	0.13	0.13	0.17
United Arab Emirates.....	0.54	0.68	0.66	0.81	0.78	0.92	1.02	0.94	0.91	1.06
Total.....	2.63	3.03	3.31	3.69	3.72	3.84	4.14	4.43	4.69	5.11
Africa										
Algeria.....	1.33	1.52	1.63	1.71	1.79	1.93	1.97	1.90	1.81	2.05
Angola.....	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Congo.....	(s)	(s)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cote d'Ivoire (Ivory Coast).....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(s)
Egypt.....	0.20	0.22	0.24	0.27	0.29	0.32	0.35	0.40	0.42	0.44
Gabon.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Libya.....	0.20	0.19	0.19	0.21	0.22	0.23	0.24	0.22	0.23	0.22
Morocco.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Nigeria.....	0.12	0.13	0.13	0.17	0.13	0.17	0.17	0.18	0.16	0.16
Senegal.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)
South Africa.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	0.06	0.07	0.07
Tunisia.....	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total.....	1.88	2.10	2.24	2.39	2.46	2.69	2.77	2.81	2.72	2.98

See footnotes at end of table.

Table 2.4 World Dry Natural Gas Production, 1986 - 1995 (Continued)
(Trillion Cubic Feet)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0.11	0.10	0.11	0.10	0.10	0.01	0.01	0.01	0.01	0.01
Australia.....	0.52	0.53	0.56	0.57	0.72	0.75	0.82	0.86	0.92	1.05
Bangladesh.....	0.11	0.13	0.15	0.16	0.16	0.17	0.21	0.22	0.23	0.26
Brunei.....	0.29	0.31	0.30	0.31	0.32	0.28	0.29	0.29	0.30	0.33
Burma.....	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06
China.....	0.48	0.49	0.49	0.51	0.51	0.53	0.53	0.56	0.59	0.60
India.....	0.18	0.23	0.31	0.32	0.40	0.45	0.48	0.53	0.59	0.66
Indonesia.....	1.18	1.29	1.34	1.42	1.53	1.72	1.79	1.97	2.21	2.23
Japan.....	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08
Malaysia.....	0.53	0.55	0.58	0.61	0.65	0.75	0.80	0.88	0.92	1.05
New Zealand.....	0.16	0.15	0.17	0.17	0.17	0.19	0.20	0.18	0.17	0.17
Pakistan.....	0.39	0.42	0.44	0.47	0.48	0.53	0.55	0.58	0.63	0.64
Papua New Guinea.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Taiwan.....	0.04	0.04	0.02	0.05	0.08	0.03	0.03	0.03	0.03	0.03
Thailand.....	0.11	0.13	0.19	0.18	0.21	0.24	0.25	0.31	0.34	0.37
Vietnam.....	(s)	(s)	(s)	(s)	(s)	(s)	0.01	0.01	0.01	0.05
Total.....	4.22	4.50	4.78	4.98	5.44	5.76	6.07	6.55	7.09	7.59
World Total.....	63.59	66.54	69.81	72.25	73.61	74.81	74.87	76.30	76.73	78.30

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 billion cubic feet.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 4.

Table 2.5 World Coal Production, 1986 - 1995
(Million Short Tons)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	63.73	67.47	77.87	77.73	75.35	78.41	72.32	76.09	80.27	82.58
Mexico.....	7.29	8.85	7.90	8.49	6.66	6.06	6.73	7.29	9.81	10.23
United States.....	890.31	918.76	950.26	980.73	1,029.08	995.98	997.54	945.42	1,033.50	1,032.97
Total.....	961.33	995.09	1,036.04	1,066.95	1,111.09	1,080.45	1,076.60	1,028.81	1,123.59	1,125.79
Central & South America										
Argentina.....	0.40	0.41	0.56	0.57	0.30	0.32	0.24	0.18	0.20	0.21
Brazil.....	8.15	7.59	8.08	7.35	5.07	5.72	5.22	5.07	4.91	5.24
Chile.....	1.84	1.77	2.16	2.19	2.45	2.48	1.86	1.54	1.66	1.74
Colombia.....	11.90	16.09	16.87	20.84	22.56	25.90	26.01	25.79	27.54	28.92
Peru.....	0.17	0.12	0.21	0.21	0.11	0.07	0.10	0.10	0.12	0.13
Venezuela.....	0.06	0.26	1.18	2.35	2.41	2.82	2.73	4.29	5.23	5.48
Total.....	22.53	26.23	29.06	33.50	32.90	37.31	36.16	36.96	39.64	41.71
Western Europe										
Austria.....	3.27	3.07	2.35	2.28	2.70	2.29	1.95	1.86	1.53	1.23
Belgium.....	10.10	7.39	3.54	2.80	2.69	2.32	1.32	1.07	0.83	0.83
France.....	20.35	20.23	16.03	15.94	14.92	14.19	13.04	11.75	10.59	9.99
Germany.....	--	--	--	--	--	388.37	346.09	315.23	291.78	274.20
Germany, East.....	343.11	340.59	342.06	331.86	308.65	--	--	--	--	--
Germany, West.....	224.87	213.56	209.85	208.86	205.06	--	--	--	--	--
Greece.....	41.99	49.18	53.27	57.17	57.21	58.09	60.68	60.43	62.55	64.12
Ireland.....	0.06	0.05	0.05	0.05	0.03	(s)	(s)	(s)	(s)	(s)
Italy.....	1.12	1.07	1.15	1.18	1.12	1.06	0.80	0.69	0.30	0.42
Norway.....	0.48	0.44	0.29	0.40	0.33	0.36	0.40	0.30	0.33	0.32
Portugal.....	0.26	0.29	0.25	0.28	0.31	0.30	0.24	0.22	0.16	0.16
Spain.....	52.41	47.31	45.07	48.43	39.63	37.00	36.90	34.81	32.67	31.46
Sweden.....	0.01	0.03	0.03	0.02	0.01	0.03	0.04	(s)	(s)	(s)
Turkey.....	51.00	51.61	43.20	57.57	52.28	50.83	56.69	53.53	59.93	59.73
United Kingdom.....	119.16	115.08	114.75	111.44	105.98	106.57	94.88	76.30	53.99	52.36
Former Yugoslavia.....	77.00	78.77	80.00	82.23	83.61	78.04	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	6.92	5.54	3.24	3.13
Croatia.....	--	--	--	--	--	--	0.15	0.13	0.11	0.10
Macedonia, TFYR.....	--	--	--	--	--	--	5.92	5.33	3.12	3.02
Serbia and Montenegro.....	--	--	--	--	--	--	46.93	40.94	40.55	44.42
Slovenia.....	--	--	--	--	--	--	4.67	4.32	2.53	2.44
Total.....	945.19	928.67	911.89	920.53	874.53	739.45	677.62	612.47	564.22	547.93
Eastern Europe & Former U.S.S.R.										
Albania.....	2.39	2.35	2.41	2.42	2.28	1.20	0.40	0.24	0.19	0.09
Bulgaria.....	38.83	40.59	37.64	37.81	34.92	31.36	33.44	32.00	31.73	31.19
Former Czechoslovakia.....	141.08	140.84	138.31	131.86	117.49	109.27	101.90	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	77.17	82.14	78.61
Slovakia.....	--	--	--	--	--	--	--	3.57	3.26	2.94
Hungary.....	25.50	25.18	23.01	22.08	19.38	18.71	17.45	16.10	15.54	15.21
Poland.....	285.87	293.44	293.77	274.97	237.35	231.25	218.78	218.90	220.91	217.65
Romania.....	52.38	56.81	64.81	68.55	42.09	35.72	42.18	42.80	45.33	43.92
Former U.S.S.R.....	828.06	837.58	851.31	816.07	881.84	701.66	--	--	--	--
Estonia.....	--	--	--	--	--	--	20.78	16.44	16.02	15.49
Georgia.....	--	--	--	--	--	--	0.42	0.03	0.05	0.06
Kazakhstan.....	--	--	--	--	--	--	139.44	123.46	115.08	91.71
Kyrgyzstan.....	--	--	--	--	--	--	3.53	4.19	2.65	1.82
Russia.....	--	--	--	--	--	--	405.85	364.03	320.34	310.03
Tajikistan.....	--	--	--	--	--	--	0.29	0.20	0.12	0.04
Ukraine.....	--	--	--	--	--	--	147.25	127.55	104.17	91.37
Uzbekistan.....	--	--	--	--	--	--	5.16	4.21	4.23	3.41
Total.....	1,374.10	1,396.79	1,411.25	1,353.75	1,335.34	1,129.16	1,136.87	1,030.89	961.76	903.53

See footnotes at end of table.

Table 2.5 World Coal Production, 1986 - 1995 (Continued)
(Million Short Tons)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Iran.....	1.39	1.37	1.39	1.32	1.43	1.54	1.65	1.61	1.65	1.65
Total.....	1.39	1.37	1.39	1.32	1.43	1.54	1.65	1.61	1.65	1.65
Africa										
Algeria.....	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.03
Botswana.....	0.55	0.64	0.67	0.70	0.88	0.88	0.89	0.88	0.92	0.96
Cameroon.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Malawi.....	0.02	0.02	0.03	0.04	0.04	0.06	0.05	0.06	0.06	0.06
Morocco.....	0.85	0.70	0.70	0.56	0.58	0.61	0.63	0.67	0.69	0.72
Mozambique.....	0.04	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.05	0.06
Niger.....	0.14	0.18	0.17	0.19	0.19	0.19	0.19	0.19	0.20	0.21
Nigeria.....	0.16	0.13	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11
South Africa.....	194.77	194.62	199.92	194.47	193.18	196.43	191.88	203.04	215.84	227.31
Swaziland.....	0.19	0.18	0.18	0.18	0.18	0.14	0.11	0.06	0.06	0.06
Tanzania.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Zaire.....	0.13	0.13	0.17	0.12	0.09	0.09	0.09	0.10	0.11	0.11
Zambia.....	0.61	0.51	0.69	0.44	0.42	0.42	0.44	0.44	0.46	0.48
Zimbabwe.....	4.46	5.34	5.58	5.63	5.47	6.17	6.11	5.80	6.08	6.33
Total.....	201.94	202.51	208.27	202.48	201.17	205.14	200.58	211.42	224.60	236.44
Far East & Oceania										
Afghanistan.....	0.18	0.18	0.15	0.14	0.12	0.10	0.09	0.08	0.08	0.08
Australia.....	186.80	208.91	196.44	216.13	225.78	235.93	248.96	247.58	249.19	267.97
Bhutan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Burma.....	0.09	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08
China.....	985.51	1,022.90	1,080.12	1,161.95	1,190.36	1,198.66	1,230.59	1,330.54	1,410.38	1,478.07
India.....	207.41	208.63	214.51	221.44	233.39	252.74	262.64	290.13	295.63	311.06
Indonesia.....	3.07	3.55	4.64	9.25	11.87	15.12	23.31	30.41	32.47	41.47
Japan.....	15.27	14.53	13.78	12.55	11.33	9.59	8.64	7.95	8.11	7.40
Korea, North.....	60.63	62.28	66.14	69.11	71.32	72.75	73.85	77.71	77.71	78.10
Korea, South.....	26.73	26.76	26.78	22.91	18.98	16.60	13.19	10.41	8.20	6.31
Laos.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Malaysia.....	0.02	0.10	0.10	0.12	0.12	0.20	0.21	0.29	0.30	0.30
Mongolia.....	8.53	9.36	10.38	9.69	9.51	9.37	8.31	8.18	8.38	8.42
Nepal.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
New Zealand.....	2.78	2.84	2.82	3.18	2.85	2.95	3.25	3.42	3.30	3.44
Pakistan.....	2.33	2.38	3.01	2.89	3.46	3.37	3.39	3.45	3.52	3.27
Philippines.....	1.37	1.32	1.48	1.36	1.37	1.39	1.83	1.85	1.89	1.90
Taiwan.....	1.90	1.65	1.35	0.86	0.52	0.44	0.37	0.36	0.31	0.32
Thailand.....	6.04	7.61	8.02	9.82	13.71	16.22	16.93	17.14	18.84	18.94
Vietnam.....	7.11	7.52	7.67	4.22	5.10	4.77	5.28	6.50	6.65	6.69
Total.....	1,515.77	1,580.62	1,637.46	1,745.72	1,799.90	1,840.30	1,900.93	2,036.10	2,125.07	2,233.84
World Total.....	5,022.26	5,131.28	5,235.36	5,324.25	5,356.36	5,033.36	5,030.40	4,958.25	5,040.54	5,090.89

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 thousand short tons.

Notes: Sum of components may not equal total due to independent rounding.

Coal includes anthracite, subanthracite, bituminous, subbituminous, lignite, and brown coal.

Sources: See sources at the end of Section 5.

Table 2.6 World Net Hydroelectric Power Generation, 1986 - 1995
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	307.7	313.2	303.5	287.6	293.9	305.3	313.2	320.3	324.7	329.8
Mexico.....	19.8	18.2	21.0	24.4	23.2	21.6	25.9	26.0	19.8	27.3
United States..2.....	294.0	252.9	226.1	275.7	295.8	291.5	258.4	288.0	270.0	323.5
Total.....	621.5	584.3	550.5	587.7	612.9	618.4	597.5	634.3	614.6	680.5
Central & South America										
Argentina.....	20.8	21.8	15.6	13.2	18.0	16.3	19.4	23.9	27.1	30.0
Bolivia.....	1.1	1.1	1.2	1.2	1.2	1.4	1.3	1.4	1.4	1.4
Brazil.....	180.7	183.7	197.1	202.6	204.6	215.6	221.1	236.1	240.5	245.0
Chile.....	11.3	12.0	11.4	9.5	11.9	13.0	16.6	17.4	16.8	16.0
Colombia.....	25.0	21.3	24.3	26.4	27.2	27.2	22.2	27.7	32.0	37.0
Costa Rica.....	2.9	3.0	3.0	3.3	3.5	3.6	3.5	3.9	3.5	3.1
Dominican Republic.....	0.9	0.9	0.8	0.9	0.4	0.6	2.2	1.8	1.9	2.0
Ecuador.....	4.3	4.5	4.7	4.9	4.9	5.0	4.9	5.8	6.3	6.8
El Salvador.....	1.2	1.1	1.3	1.4	1.7	1.3	1.4	1.8	2.0	2.3
Guatemala.....	1.7	1.7	1.8	2.1	2.1	2.1	2.1	1.9	2.0	2.1
Haiti.....	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
Honduras.....	1.3	1.1	1.7	1.8	2.1	2.1	2.1	2.2	2.4	2.6
Jamaica.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Nicaragua.....	0.3	0.4	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.4
Panama.....	2.1	2.0	2.2	2.2	2.2	2.0	1.9	2.3	2.4	2.5
Paraguay.....	11.9	18.4	19.9	24.2	26.9	29.1	26.8	31.1	35.5	40.0
Peru.....	10.1	10.8	10.3	10.3	10.4	11.4	9.7	11.3	11.5	11.7
Puerto Rico.....	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Suriname.....	0.8	0.3	0.5	1.1	1.4	1.4	1.4	1.5	1.4	1.4
Uruguay.....	7.2	7.2	5.4	3.9	6.9	6.1	7.8	7.2	7.4	7.5
Venezuela.....	24.9	30.5	33.9	34.3	36.6	44.0	46.6	47.0	50.9	55.0
Other.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total.....	309.1	322.8	336.4	344.6	363.1	383.1	392.1	425.2	446.0	467.4
Western Europe										
Austria.....	30.5	25.4	35.2	34.6	31.2	31.1	34.5	36.3	35.3	36.9
Belgium.....	0.3	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.3
Finland.....	12.3	13.7	13.2	12.9	10.8	13.1	15.0	13.3	11.7	12.7
France.....	61.0	68.6	74.0	45.7	52.8	56.3	67.2	63.1	76.5	71.4
Germany.....	—	—	—	—	—	14.5	17.1	17.5	18.3	19.8
Germany, East.....	1.8	1.7	1.7	1.6	1.4	—	—	—	—	—
Germany, West.....	16.5	18.4	18.1	16.5	15.8	—	—	—	—	—
Greece.....	3.2	2.8	2.4	1.9	1.8	3.1	2.2	2.3	2.6	3.3
Iceland.....	3.8	3.9	4.2	4.2	4.2	4.2	4.3	4.4	4.5	4.6
Ireland.....	0.9	0.7	0.9	0.7	0.7	0.7	0.8	0.8	0.9	0.7
Italy.....	40.6	39.1	40.2	33.6	31.3	41.8	41.8	41.0	44.2	37.4
Luxembourg.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Norway.....	95.3	102.3	107.9	117.4	119.9	109.0	115.5	118.0	111.2	120.7
Portugal.....	8.4	9.0	12.0	5.7	9.1	9.0	4.6	8.5	10.6	8.3
Spain.....	26.1	27.0	34.8	19.0	25.2	27.0	18.7	24.1	27.9	22.3
Sweden.....	60.1	71.0	69.0	70.9	71.7	62.6	73.6	73.9	58.2	67.1
Switzerland.....	32.6	34.3	35.4	29.5	29.5	31.8	32.4	35.4	38.6	34.8
Turkey.....	11.6	18.3	28.4	17.6	22.7	22.3	26.3	33.6	30.3	35.2
United Kingdom.....	4.8	4.1	4.9	4.7	5.1	4.5	5.3	4.2	5.0	4.0
Former Yugoslavia.....	27.5	26.0	25.6	23.3	19.6	18.9	—	—	—	—
Bosnia and Herzegovina.....	—	—	—	—	—	—	3.0	2.0	1.2	1.0
Croatia.....	—	—	—	—	—	—	4.3	4.3	4.9	5.2
Macedonia, TFYR.....	—	—	—	—	—	—	0.8	0.5	0.7	0.7
Serbia and Montenegro.....	—	—	—	—	—	—	11.2	10.0	11.0	10.5
Slovenia.....	—	—	—	—	—	—	3.4	3.0	3.4	3.0
Other.....	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Total.....	437.5	466.8	508.5	440.4	453.2	450.4	482.6	496.8	497.6	500.0

See footnotes at end of table.

Table 2.6 World Net Hydroelectric Power Generation, 1986 - 1995 (Continued)
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	3.4	4.1	3.9	4.1	3.2	3.5	3.2	3.3	3.7	4.3
Bulgaria.....	2.3	2.5	2.6	2.7	1.9	2.4	2.0	1.9	1.5	1.7
Former Czechoslovakia.....	4.0	4.9	4.4	4.2	3.9	3.1	3.6	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	1.6	1.8	1.7
Slovakia.....	—	—	—	—	—	—	—	3.9	4.6	5.2
Hungary.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Poland.....	3.7	4.0	4.2	3.7	3.3	3.4	3.5	3.5	3.7	4.1
Romania.....	10.7	11.1	13.5	12.5	10.9	14.1	11.6	12.6	12.9	13.5
Former U.S.S.R.....	213.5	217.5	228.5	221.0	230.7	232.7	—	—	—	—
Armenia.....	—	—	—	—	—	—	3.0	4.2	3.5	3.5
Azerbaijan.....	—	—	—	—	—	—	1.7	2.4	1.8	1.9
Georgia.....	—	—	—	—	—	—	6.5	7.0	4.7	4.7
Kazakhstan.....	—	—	—	—	—	—	6.8	7.6	9.1	9.1
Kyrgyzstan.....	—	—	—	—	—	—	9.2	9.0	11.6	11.1
Latvia.....	—	—	—	—	—	—	2.5	2.8	3.3	3.1
Lithuania.....	—	—	—	—	—	—	0.3	0.4	0.7	1.0
Moldova.....	—	—	—	—	—	—	0.3	0.4	0.3	0.3
Russia.....	—	—	—	—	—	—	170.9	173.4	175.2	179.2
Tajikistan.....	—	—	—	—	—	—	15.8	16.9	16.2	14.2
Ukraine.....	—	—	—	—	—	—	8.0	11.1	11.7	11.4
Uzbekistan.....	—	—	—	—	—	—	6.2	7.3	7.1	7.5
Other.....	0.0	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)	(s)
Total.....	237.7	244.2	257.2	248.4	253.9	259.3	255.2	269.5	273.4	277.6
Middle East										
Iran.....	6.1	6.3	6.4	6.6	6.0	7.0	9.4	9.7	7.4	7.0
Iraq.....	0.6	0.6	0.7	0.6	0.6	0.3	0.7	0.6	0.6	0.5
Israel.....	0.0	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Lebanon.....	0.6	0.6	0.6	0.5	0.5	0.6	0.7	0.7	0.8	0.9
Syria.....	1.6	2.0	4.8	4.7	5.6	6.2	7.3	6.6	6.7	6.9
Total.....	8.9	9.6	12.5	12.4	12.7	14.0	18.2	17.7	15.5	15.4
Africa										
Algeria.....	0.2	0.5	0.2	0.3	0.1	0.3	0.2	0.3	0.2	0.1
Angola.....	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4
Cameroon.....	2.3	2.3	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Congo.....	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.4	0.4	0.4
Cote d'Ivoire (Ivory Coast).....	1.2	1.2	1.2	1.6	1.3	1.2	1.0	1.1	1.1	1.1
Egypt.....	7.9	8.2	7.8	7.9	9.9	8.5	8.5	8.4	8.5	8.5
Ethiopia.....	0.8	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.1	1.0
Gabon.....	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Ghana.....	4.4	4.6	4.8	5.2	5.7	6.0	6.0	6.1	6.1	6.1
Kenya.....	1.7	1.8	2.3	2.4	2.5	2.7	2.8	3.0	3.0	3.1
Madagascar.....	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
Malawi.....	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.8
Mali.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Morocco.....	0.6	0.8	0.9	1.1	1.2	1.2	1.0	0.4	0.8	1.0
Nigeria.....	3.6	3.3	4.0	4.1	4.3	5.5	5.6	5.5	5.5	5.5
Reunion.....	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
South Africa.....	1.6	1.6	3.2	2.8	1.0	2.0	0.8	0.1	1.1	0.5
Sudan.....	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Tanzania.....	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Uganda.....	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8
Zaire.....	5.2	5.2	5.2	5.8	5.1	5.3	5.4	5.7	5.4	5.1
Zambia.....	9.7	8.4	8.3	6.7	7.7	7.7	7.7	7.7	7.7	7.8
Zimbabwe.....	3.1	2.5	2.7	2.7	3.5	3.1	3.0	1.7	2.4	3.0
Other.....	1.1	1.3	1.3	1.3	1.1	1.2	1.2	1.2	1.3	1.3
Total.....	49.4	48.4	51.1	51.6	53.9	55.2	53.5	51.9	53.4	53.5

See footnotes at end of table.

Table 2.6 World Net Hydroelectric Power Generation, 1986 - 1995 (Continued)
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0.7	0.8	0.7	0.8	0.8	0.7	0.5	0.5	0.5	0.5
Australia.....	14.4	13.5	13.4	14.3	14.0	15.7	15.2	16.5	16.4	15.7
Bangladesh.....	0.5	0.5	0.7	0.9	0.9	0.8	0.8	0.6	0.8	1.0
Bhutan.....	0.3	1.2	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7
Burma.....	1.0	1.0	0.9	1.1	1.2	1.2	1.5	1.7	1.6	1.5
Cambodia.....	(s)	(s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
China.....	93.6	99.2	108.0	117.2	125.1	123.8	130.2	149.2	161.3	175.0
Fiji.....	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
French Polynesia.....	(s)	(s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
India.....	53.3	47.0	57.3	61.5	70.9	72.0	69.2	69.8	70.4	71.0
Indonesia.....	7.0	7.6	8.3	8.5	10.1	10.0	12.6	12.0	12.1	12.3
Japan.....	80.0	74.0	89.9	90.8	88.4	96.5	81.7	94.6	66.6	79.7
Korea, North.....	28.7	28.8	31.2	31.4	31.4	31.4	23.8	23.8	23.3	23.0
Korea, South.....	4.0	5.3	3.5	4.5	6.3	5.0	4.8	5.9	4.1	5.4
Laos.....	0.8	0.5	0.5	0.7	0.8	0.9	0.9	0.8	0.9	0.9
Malaysia.....	4.0	4.9	5.6	5.2	3.9	4.4	4.3	4.9	5.4	6.0
Nepal.....	0.4	0.5	0.6	0.5	0.7	0.9	0.9	0.8	0.9	0.9
New Caledonia.....	0.4	0.3	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
New Zealand.....	21.9	22.1	23.1	21.9	23.1	22.9	20.4	23.1	25.3	27.0
Pakistan.....	13.7	15.1	16.5	16.8	16.8	18.1	18.5	20.9	19.2	18.5
Papua New Guinea.....	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Philippines.....	6.0	5.2	6.2	6.4	6.0	6.0	6.1	6.2	6.3	6.5
Sri Lanka.....	2.6	2.2	2.6	2.8	3.1	3.1	2.9	3.8	4.0	4.3
Taiwan.....	7.4	7.1	6.1	6.7	8.2	5.5	8.3	6.8	8.8	8.8
Thailand.....	5.5	4.0	3.7	5.5	4.9	4.5	4.2	3.7	4.5	5.5
U.S. Pacific Islands.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Vietnam.....	1.6	1.7	1.8	3.8	5.3	5.6	5.8	8.2	9.4	10.0
Western Samoa.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	348.6	343.3	383.6	404.3	425.1	432.0	415.5	456.7	444.8	476.5
World Total.....	2,012.7	2,019.4	2,099.8	2,089.4	2,174.8	2,212.4	2,214.6	2,352.1	2,345.4	2,470.8

¹ Preliminary.

² There is a discontinuity in this time series between 1988 and 1989; beginning in 1989, pumped storage is removed, and expanded coverage of industrial use of hydroelectric power and of electricity generated from non-electric utilities is included.

-- Not applicable.

(s) = Value less than 50 million kilowatthours.

Notes: Sum of components may not equal total due to independent rounding.

Generation data consist of both utility and nonutility sources. Data are reported as net generation as opposed to gross. Net generation excludes the energy consumed by the generating unit and excludes generation from pumped storage.

Sources: See sources at the end of Section 6.

Table 2.7 World Net Nuclear Electric Power Generation, 1986 - 1995
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	67.2	72.9	78.2	75.4	68.8	80.1	76.0	88.6	101.7	92.3
Mexico.....	0.0	0.0	0.0	0.0	2.0	4.0	3.7	4.7	4.0	8.0
United States.....	414.0	455.3	527.0	529.4	577.0	612.6	618.8	610.4	640.5	673.5
Total.....	481.3	528.2	605.1	604.8	647.8	696.8	698.6	703.7	746.2	773.8
Central & South America										
Argentina.....	5.4	6.1	4.8	4.8	7.0	7.7	6.7	7.3	7.8	7.1
Brazil.....	0.1	0.9	0.3	1.5	1.9	1.4	1.7	0.4	0.1	2.4
Total.....	5.5	7.1	5.2	6.3	9.0	9.1	8.4	7.7	7.9	9.5
Western Europe										
Belgium.....	37.3	39.8	40.9	39.1	40.6	40.6	41.3	39.8	38.6	39.3
Finland.....	18.0	18.5	18.4	18.0	18.1	18.4	18.3	18.9	18.5	18.1
France.....	239.6	249.3	260.3	288.7	297.7	315.0	321.5	349.8	342.0	358.6
Germany.....	—	—	—	—	—	139.4	150.9	145.8	143.6	146.4
Germany, East.....	10.9	10.7	11.1	11.1	5.3	—	—	—	—	—
Germany, West.....	119.6	130.5	145.1	140.4	139.8	—	—	—	—	—
Italy.....	8.3	(s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Netherlands.....	4.0	3.4	3.5	3.8	3.3	3.1	3.6	3.8	3.8	3.8
Spain.....	37.5	41.3	48.3	53.7	51.9	53.2	53.0	53.3	52.5	52.7
Sweden.....	66.9	64.3	65.6	62.8	65.2	73.5	60.8	58.3	69.5	66.5
Switzerland.....	20.1	20.5	21.5	21.5	22.4	21.7	22.3	22.2	23.1	23.7
United Kingdom.....	51.8	48.2	55.6	63.6	58.7	62.8	69.1	76.9	76.0	76.6
Former Yugoslavia.....	4.0	4.2	3.9	4.5	4.4	4.2	—	—	—	—
Slovenia.....	—	—	—	—	—	—	3.8	3.8	4.3	4.5
Total.....	617.8	630.6	674.2	707.3	707.4	731.9	744.5	772.6	771.9	790.0
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	11.4	11.7	15.1	14.6	13.5	12.4	11.0	13.3	14.6	16.4
Former Czechoslovakia.....	17.9	20.9	21.9	23.2	23.4	22.5	23.3	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	12.0	12.3	12.2
Slovakia.....	—	—	—	—	—	—	—	11.6	11.5	10.9
Hungary.....	7.0	10.4	12.7	13.1	13.1	13.1	13.3	13.1	13.3	13.3
Former U.S.S.R.....	151.6	176.3	203.7	212.7	201.3	201.5	—	—	—	—
Kazakhstan.....	—	—	—	—	—	—	0.5	0.4	0.4	0.1
Lithuania.....	—	—	—	—	—	—	13.9	12.3	7.3	10.6
Russia.....	—	—	—	—	—	—	113.6	113.2	92.9	94.3
Ukraine.....	—	—	—	—	—	—	70.1	71.4	65.4	67.0
Total.....	187.8	219.3	253.4	263.5	251.4	249.5	245.6	247.3	217.7	224.8
Africa										
South Africa.....	8.8	6.2	10.5	11.1	8.4	9.1	9.3	7.3	9.7	11.3
Total.....	8.8	6.2	10.5	11.1	8.4	9.1	9.3	7.3	9.7	11.3
Far East & Oceania										
China.....	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.5	13.5	12.4
India.....	4.7	4.7	5.2	3.8	5.6	5.2	6.0	5.9	4.7	7.2
Japan.....	158.8	188.6	173.9	174.5	182.3	202.8	212.1	236.8	255.7	275.2
Korea, South.....	26.7	37.1	37.8	45.0	50.2	53.5	53.7	55.2	55.7	63.7
Pakistan.....	0.4	0.5	0.2	0.1	0.4	0.4	0.5	0.4	0.6	0.5
Taiwan.....	25.8	31.8	29.4	27.1	31.6	33.5	30.8	31.3	31.8	33.9
Total.....	216.4	262.7	246.5	250.5	270.1	295.4	303.7	332.1	362.0	392.9
World Total.....	1,517.7	1,654.0	1,794.8	1,843.4	1,894.1	1,991.8	2,010.0	2,070.6	2,115.4	2,202.3

¹ Preliminary.

— Not applicable.

(s) = Value less than 50 million kilowatthours.

Notes: Sum of components may not equal total due to independent rounding.

Generation data consist of both utility and nonutility sources. Data are reported as net generation as opposed to gross. Net generation excludes the energy consumed by the generating unit.

No generation is reported for Middle East.

Sources: See sources at the end of Section 6.

Table 2.8 World Net Geothermal, Solar, and Wind Electric Power Generation, 1986 - 1995
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.1	0.1	0.1
Mexico.....	3.4	4.3	4.7	4.7	5.1	5.4	5.8	5.6	5.3	5.4
United States..2.....	11.5	12.3	12.0	53.6	61.2	67.2	72.9	75.8	77.2	76.9
Total.....	14.9	16.6	16.7	58.3	66.3	72.6	78.7	81.4	82.6	82.4
Central & South America										
Brazil.....	7.1	6.3	5.7	5.7	5.2	5.7	6.3	6.2	6.7	7.0
Costa Rica.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
El Salvador.....	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
Nicaragua.....	0.3	0.2	0.2	0.4	0.4	0.4	0.4	0.5	0.5	0.5
Total.....	7.7	6.9	6.3	6.5	6.0	6.5	7.1	7.1	8.0	8.3
Western Europe										
Belgium.....	0.0	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Denmark.....	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.1
France.....	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.5
Germany.....	--	--	--	--	--	(s)	(s)	0.1	1.3	1.3
Germany, West.....	0.0	0.0	(s)	(s)	(s)	--	--	--	--	--
Greece.....	0.0	(s)	(s)	0.0	(s)	0.0	(s)	(s)	(s)	(s)
Iceland.....	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.3
Ireland.....	0.0	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)	(s)
Italy.....	2.6	2.8	2.9	3.0	3.1	3.0	3.5	3.8	3.5	3.6
Netherlands.....	(s)	(s)	(s)	(s)	(s)	0.1	0.1	0.2	0.2	0.3
Norway.....	0.0	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)	(s)
Portugal.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.1
Spain.....	0.0	0.0	0.0	0.0	(s)	(s)	(s)	0.1	0.1	0.2
Sweden.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.1	0.1
Switzerland.....	0.0	0.0	0.0	0.0	0.0	(s)	(s)	(s)	(s)	(s)
Turkey.....	(s)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
United Kingdom.....	(s)	0.0	(s)	(s)	(s)	(s)	(s)	0.2	0.3	0.3
Total.....	3.6	3.9	4.1	4.3	4.6	4.7	5.5	6.4	7.7	7.9
Eastern Europe & Former U.S.S.R.										
Romania.....	(s)	(s)	(s)	(s)	(s)	0.0	0.0	0.0	0.0	0.0
Former U.S.S.R.....	0.0	0.0	0.0	(s)	(s)	(s)	--	--	--	--
Russia.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Total.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Middle East										
Jordan.....	0.0	0.0	0.0	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	0.0	0.0	0.0	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Africa										
Ethiopia.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Kenya.....	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
Total.....	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
Far East & Oceania										
Australia.....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(s)	(s)
India.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.1	0.1	0.1
Indonesia.....	0.6	0.7	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.1
Japan.....	1.3	1.3	1.3	1.3	1.6	1.7	1.7	1.7	1.8	2.9
New Zealand.....	1.1	1.1	1.2	1.8	2.1	2.1	2.1	2.1	1.9	2.0
Philippines.....	4.3	4.3	4.6	5.1	5.2	5.5	5.4	5.5	5.5	5.6
Vietnam.....	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.6	0.6	0.6
Total.....	7.5	7.6	8.3	9.1	10.0	10.3	10.3	10.9	11.0	12.2
World Total.....	34.2	35.5	35.8	78.7	87.4	94.6	102.0	106.1	109.5	111.2

¹ Preliminary.

² There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

-- Not applicable.

(s) = Value less than 50 million kilowatthours.

Notes: Sum of components may not equal total due to independent rounding.

Generation data consist of both utility and nonutility sources. Data are reported as net generation as opposed to gross. Net generation excludes the energy consumed by the generating unit.

Sources: See sources at the end of Section 6.

Table 2.9 World Production of Primary Energy by Selected Country Groups (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Petroleum²										
World Total.....	126.36	127.48	132.57	134.66	136.35	135.90	136.51	136.52	138.30	141.68
OECD ³	39.79	39.74	39.57	37.96	38.08	39.09	39.59	39.46	40.81	41.55
Non OECD.....	86.57	87.74	92.99	96.70	98.27	96.81	96.91	97.06	97.49	100.14
Other Groups:.....										
OECD Europe.....	8.62	8.73	8.72	8.54	8.88	9.37	10.15	10.56	12.05	12.89
OPEC ⁴	40.71	41.26	45.36	49.14	51.71	51.95	54.64	56.17	57.07	58.39
EU, ⁵	6.65	6.43	6.11	5.11	5.10	5.15	5.23	5.41	6.56	6.85
IEA ⁶	33.99	33.71	33.56	31.92	31.91	32.61	33.12	32.99	34.31	35.21
Natural Gas										
World Total.....	62.85	65.84	69.08	71.49	72.53	73.29	73.70	75.17	75.81	77.42
OECD ³	27.90	28.96	29.65	30.38	31.26	32.03	32.87	33.88	35.25	36.15
Non OECD.....	34.95	36.87	39.43	41.11	41.27	41.26	40.83	41.29	40.55	41.28
Other Groups:.....										
OECD Europe.....	6.75	7.02	6.64	6.89	7.02	7.48	7.62	8.03	8.17	8.49
OPEC ⁴	6.29	6.96	7.48	8.18	8.16	8.65	9.11	9.50	9.94	10.67
EU, ⁵	5.66	5.87	5.50	5.71	5.95	6.42	6.47	6.96	7.01	7.29
IEA ⁶	26.97	28.09	28.71	29.44	30.29	30.88	31.74	32.79	34.14	35.00
Coal										
World Total.....	87.13	88.96	90.70	92.14	93.43	88.83	89.28	88.43	90.00	91.32
OECD ³	35.33	36.06	36.25	37.13	37.79	35.95	35.23	33.26	34.51	34.62
Non OECD.....	51.79	52.90	54.45	55.02	55.64	52.88	54.05	55.18	55.49	56.69
Other Groups:.....										
OECD Europe.....	10.56	10.19	9.87	9.80	9.23	8.06	7.27	6.54	5.80	5.58
OPEC ⁴	0.12	0.13	0.18	0.32	0.39	0.48	0.68	0.91	0.99	1.22
EU, ⁵	10.10	9.73	9.48	9.29	8.78	7.62	6.77	6.06	5.27	5.05
IEA ⁶	35.19	35.89	36.10	36.96	37.66	35.83	35.10	33.12	34.32	34.42
Hydroelectric Power										
World Total.....	20.97	21.03	21.85	21.73	22.62	22.99	23.01	24.43	24.36	25.65
OECD ³	11.97	11.83	12.08	11.78	12.20	12.31	12.19	12.92	12.44	13.30
Non OECD.....	8.99	9.20	9.77	9.95	10.43	10.68	10.81	11.51	11.91	12.35
Other Groups:.....										
OECD Europe.....	4.29	4.61	5.05	4.36	4.53	4.49	4.78	4.96	4.96	4.99
OPEC ⁴	0.44	0.51	0.55	0.57	0.60	0.70	0.78	0.78	0.80	0.84
EU, ⁵	2.79	2.96	3.22	2.61	2.70	2.75	2.93	2.97	3.04	2.96
IEA ⁶	11.73	11.60	11.81	11.48	11.91	12.04	11.88	12.61	12.19	12.97
Nuclear Electric Power										
World Total.....	16.34	17.80	19.30	19.82	20.26	21.29	21.34	21.99	22.43	23.32
OECD ³	13.37	14.29	15.42	15.76	16.22	17.25	17.47	18.09	18.72	19.38
Non OECD.....	2.97	3.50	3.88	4.06	4.03	4.03	3.87	3.90	3.71	3.94
Other Groups:.....										
OECD Europe.....	6.43	6.54	7.01	7.35	7.38	7.64	7.78	8.09	8.07	8.25
OPEC ⁴	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EU, ⁵	6.21	6.32	6.78	7.12	7.14	7.41	7.55	7.86	7.82	8.00
IEA ⁶	13.37	14.29	15.42	15.76	16.20	17.21	17.44	18.04	18.68	19.30

See footnotes at end of table.

Table 2.9 World Production of Primary Energy by Selected Country Groups (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Geothermal, Solar, and Wind Electric Power										
World Total.....	0.71	0.73	0.73	1.22	1.33	1.42	1.51	1.57	1.60	1.62
OECD ³	0.43	0.46	0.47	0.95	1.07	1.14	1.22	1.26	1.28	1.28
Non OECD.....	0.28	0.27	0.26	0.27	0.27	0.28	0.29	0.31	0.33	0.34
Other Groups:.....										
OECD Europe.....	0.07	0.07	0.08	0.08	0.08	0.08	0.10	0.11	0.12	0.12
OPEC ⁴	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
EU. ⁵	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.10	0.11	0.11
IEA ⁶	0.35	0.37	0.36	0.85	0.95	1.02	1.10	1.14	1.16	1.17
Total Energy										
World Total.....	314.35	321.84	334.23	341.06	346.52	343.72	345.35	348.11	352.50	361.02
OECD ³	128.79	131.36	133.43	133.95	136.61	137.78	138.58	138.87	143.02	146.28
Non OECD.....	185.56	190.48	200.80	207.11	209.91	205.94	206.76	209.24	209.48	214.74
Other Groups:.....										
OECD Europe.....	36.70	37.15	37.37	37.03	37.13	37.12	37.70	38.28	39.17	40.31
OPEC ⁴	47.57	48.87	53.60	58.23	60.89	61.81	65.23	67.39	68.82	71.14
EU. ⁵	31.47	31.37	31.16	29.92	29.74	29.42	29.04	29.35	29.81	30.25
IEA ⁶	121.59	123.95	125.96	126.41	128.94	129.61	130.38	130.68	134.81	138.08

¹ Preliminary.

² Data include the production of crude oil and natural gas plant liquids.

³ The Organization for Economic Cooperation and Development (OECD) includes Australia, Austria, Belgium, Canada, Denmark (including data for Faroe Islands and Greenland), Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and the United States (including data for Guam, Hawaiian Trade Zone, Puerto Rico, and Virgin Islands, U.S.). Refer to Appendix A for a listing of OECD Europe.

⁴ The Organization of Petroleum Exporting Countries (OPEC) includes Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

⁵ European Union (EU) includes Austria, Belgium, Denmark (including data for Faroe Islands), Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, and United Kingdom.

⁶ International Energy Agency (IEA) includes Australia, Austria, Belgium, Canada, Denmark (including data for Faroe Islands and Greenland), Finland, France, Germany, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and the United States (including data for Guam, Hawaiian Trade Zone, Puerto Rico, and Virgin Islands, U.S.).

Notes: For consistency data reflect 1995 membership (as of December 31, 1995) for all years. The country groups OECD, OECD Europe, EU, and IEA include unified Germany. Sum of components may not equal total due to independent rounding.

Primary energy production includes petroleum, natural gas, coal, and net hydroelectric, nuclear, geothermal, solar, and wind electric power. Data for United States also include electricity generated from wood and waste.

Sources: See sources at the end of Sections 3, 4, 5, and 6.

Section 3

Petroleum

Table 3.1 World Petroleum Supply and Disposition, 1994
(Thousand Barrels per Day)

Region Country	Primary Supply			Disposition			Bunkers	
	Oil Production ¹	Crude Oil Imports	Total Imports of Refined Petroleum Products	Crude Oil Exports	Total Exports of Refined Petroleum Products	Apparent ² Consumption (Including Bunkers)	Residual Fuel Oil	Distillate Fuel Oil and Other Products
North America								
Canada.....	2,328	636	133	865	528	1,727	9	2
Mexico.....	3,174	0	185	1,423	110	1,822	7	2
United States.....	9,413	7,063	1,933	99	843	17,718	388	132
Other.....	0	0	4	0	0	4	0	1
Total.....	14,915	7,699	2,255	2,386	1,481	21,272	404	136
Central & South America								
Argentina.....	699	10	34	205	82	478	5	7
Bahamas, The.....	0	0	56	0	39	17	3	2
Bolivia.....	30	0	1	(s)	(s)	30	0	0
Brazil.....	849	550	306	0	194	1,451	20	15
Chile.....	25	137	25	0	1	179	6	0
Colombia.....	457	(s)	42	188	61	244	(s)	2
Costa Rica.....	0	13	18	0	1	28	1	(s)
Cuba.....	26	99	70	0	5	183	0	1
Dominican Republic.....	1	40	30	0	0	68	0	0
Ecuador.....	375	0	12	238	31	120	5	3
El Salvador.....	0	21	4	0	(s)	25	0	0
Guatemala.....	8	16	23	7	1	38	0	2
Honduras.....	0	0	20	0	0	20	0	0
Jamaica.....	0	15	38	0	(s)	55	0	1
Netherlands Antilles.....	6	276	34	14	222	77	27	6
Nicaragua.....	0	11	1	0	(s)	12	0	0
Panama.....	1	23	25	0	6	44	13	6
Paraguay.....	0	5	16	0	0	23	0	(s)
Peru.....	131	22	23	0	40	132	(s)	1
Puerto Rico.....	0	126	58	0	19	167	2	1
Trinidad and Tobago.....	135	32	3	64	82	25	2	3
Uruguay.....	0	4	31	0	0	33	1	4
Venezuela.....	2,751	0	14	1,656	641	440	13	14
Virgin Islands, U.S.....	(s)	302	3	0	247	60	1	2
Other.....	7	20	61	6	4	77	(s)	8
Total.....	5,503	1,720	949	2,377	1,675	4,027	100	77
Western Europe								
Austria.....	24	161	71	0	22	235	0	0
Belgium.....	12	586	332	0	401	510	64	13
Bosnia and Herzegovina.....	0	0	20	0	0	20	0	0
Croatia.....	46	76	6	4	42	79	1	(s)
Denmark.....	189	112	121	124	82	210	17	12
Finland.....	0	207	106	(s)	79	220	5	3
France.....	112	1,493	474	0	352	1,833	32	6
Germany.....	135	2,194	880	22	321	2,879	28	10
Greece.....	14	263	122	9	84	349	45	17
Iceland.....	0	0	15	0	0	15	0	0
Ireland.....	1	50	80	0	20	113	(s)	(s)
Italy.....	150	1,547	652	8	413	1,841	33	12
Luxembourg.....	0	0	40	0	0	39	0	0
Macedonia, TFYR.....	0	3	14	0	(s)	18	0	0
Netherlands.....	137	1,075	803	28	1,129	760	166	42
Norway.....	2,627	22	66	2,395	280	183	6	5
Portugal.....	2	275	84	0	89	270	4	1
Serbia and Montenegro.....	24	6	2	0	0	32	0	0
Slovenia.....	(s)	7	36	0	2	42	0	0
Spain.....	35	1,088	245	0	215	1,127	49	14
Sweden.....	4	376	178	0	192	353	16	4
Switzerland.....	1	99	175	0	11	281	0	(s)
Turkey.....	76	439	89	0	38	540	1	1
United Kingdom.....	2,638	906	420	1,584	592	1,837	20	25
Other.....	0	0	27	0	(s)	27	14	4
Total.....	6,227	10,985	5,057	4,175	4,365	13,815	501	169

See footnotes at end of table.

Table 3.1 World Petroleum Supply and Disposition, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Primary Supply			Disposition			Bunkers	
	Oil Production ¹	Crude Oil Imports	Total Imports of Refined Petroleum Products	Crude Oil Exports	Total Exports of Refined Petroleum Products	Apparent ² Consumption (Including Bunkers)	Residual Fuel Oil	Distillate Fuel Oil and Other Products
Eastern Europe & Former U.S.S.R.								
Albania.....	12	0	3	0	(s)	13	0	0
Bulgaria.....	1	139	20	0	36	126	4	1
Czech Republic.....	3	135	51	4	28	152	0	0
Hungary.....	50	121	45	0	54	168	0	0
Poland.....	5	262	50	(s)	18	309	1	(s)
Romania.....	142	162	32	0	108	221	0	0
Slovakia.....	1	89	1	0	29	63	0	0
Armenia.....	0	0	7	0	0	7	0	0
Azerbaijan.....	192	41	(s)	18	31	187	0	0
Belarus.....	40	222	14	5	18	260	0	0
Estonia.....	0	0	25	0	0	25	2	1
Georgia.....	2	2	2	0	0	6	0	0
Kazakhstan.....	415	93	29	188	30	304	0	0
Kyrgyzstan.....	2	0	7	2	0	7	0	0
Latvia.....	0	0	41	0	(s)	40	0	0
Lithuania.....	3	88	35	0	47	78	0	0
Moldova.....	0	0	22	0	0	22	0	0
Russia.....	6,335	232	44	2,490	942	3,179	230	0
Tajikistan.....	1	0	7	1	0	7	0	0
Turkmenistan.....	85	10	2	1	30	63	0	0
Ukraine.....	85	334	82	(s)	5	495	0	0
Uzbekistan.....	115	60	16	20	5	168	0	0
Total.....	7,487	1,989	535	2,729	1,381	5,900	237	2
Middle East								
Bahrain.....	55	203	0	0	226	30	2	3
Cyprus.....	0	18	24	0	0	43	1	5
Iran.....	3,685	0	174	2,635	46	1,130	8	2
Iraq.....	574	0	0	54	49	457	0	0
Israel.....	(s)	224	34	0	66	200	2	9
Jordan.....	(s)	60	18	0	0	82	(s)	5
Kuwait.....	2,114	0	2	1,284	649	132	3	8
Lebanon.....	0	0	76	0	0	76	0	3
Oman.....	816	0	2	741	38	40	(s)	4
Qatar.....	466	0	0	351	59	40	0	2
Saudi Arabia.....	8,833	0	0	6,791	830	1,109	91	105
Syria.....	568	0	11	319	31	224	0	4
United Arab Emirates.....	2,346	0	211	2,004	174	318	155	7
Yemen.....	335	2	6	266	6	66	1	2
Total.....	19,791	508	559	14,444	2,174	3,948	264	158

See footnotes at end of table.

Table 3.1 World Petroleum Supply and Disposition, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Primary Supply			Disposition			Bunkers	
	Oil Production ¹	Crude Oil Imports	Total Imports of Refined Petroleum Products	Crude Oil Exports	Total Exports of Refined Petroleum Products	Apparent ² Consumption (including Bunkers)	Residual Fuel Oil	Distillate Fuel Oil and Other Products
Africa								
Algeria.....	1,321	0	6	662	405	230	1	7
Angola.....	536	0	(s)	511	3	25	8	8
Cameroon.....	108	0	2	86	(s)	24	0	(s)
Congo.....	180	0	(s)	164	5	7	(s)	0
Cote d'Ivoire (Ivory Coast).....	8	45	8	0	6	55	0	2
Egypt.....	955	0	13	421	95	448	22	9
Ethiopia.....	0	0	14	0	0	14	0	(s)
Gabon.....	330	0	1	309	3	18	0	1
Ghana.....	1	20	6	0	1	26	0	1
Kenya.....	1	43	7	0	8	44	2	(s)
Libya.....	1,419	0	1	1,110	129	166	1	4
Morocco.....	1	133	29	0	8	153	0	2
Nigeria.....	1,936	0	50	1,636	14	252	5	10
Senegal.....	0	17	7	0	1	23	1	4
South Africa.....	173	240	3	0	17	410	40	9
Sudan.....	(s)	11	17	0	0	28	(s)	(s)
Tunisia.....	96	12	51	67	10	80	0	4
Zaire.....	26	2	19	20	(s)	26	1	2
Zimbabwe.....	0	0	23	0	0	23	0	0
Other.....	11	67	146	11	11	204	7	18
Total.....	7,101	591	404	4,998	717	2,254	89	81
Far East & Oceania								
Australia.....	606	259	127	201	89	790	12	2
Bangladesh.....	2	25	20	0	1	46	0	(s)
Brunei.....	180	0	(s)	173	(s)	11	0	0
Burma.....	16	1	(s)	(s)	(s)	17	(s)	(s)
China.....	2,939	252	366	371	99	3,141	45	12
Guam.....	0	0	30	0	0	30	1	1
Hong Kong.....	0	0	296	0	110	180	24	60
India.....	639	561	296	0	80	1,413	2	14
Indonesia.....	1,587	157	106	888	171	778	5	11
Japan.....	81	4,644	1,265	0	143	5,674	120	8
Korea, North.....	0	45	24	0	(s)	70	0	0
Korea, South.....	3	1,572	559	0	257	1,856	66	25
Malaysia.....	663	31	195	421	78	378	1	(s)
Mongolia.....	0	0	13	0	0	13	0	0
New Zealand.....	76	81	15	25	4	128	5	3
Pakistan.....	59	84	156	6	2	282	(s)	3
Papua New Guinea.....	110	0	15	112	(s)	15	0	(s)
Philippines.....	7	236	77	5	19	303	1	11
Singapore.....	4	1,122	445	1	1,066	516	164	37
Sri Lanka.....	0	39	8	0	4	45	5	3
Taiwan.....	4	488	187	0	11	659	37	2
Thailand.....	79	373	169	18	6	603	4	15
Vietnam.....	141	0	84	137	0	85	0	0
Other.....	0	0	71	0	3	68	(s)	13
Total.....	7,195	9,968	4,524	2,358	2,143	17,097	493	223
World Total.....	68,218	33,460	14,284	33,467	13,936	68,313	2,087	846

¹ Oil production includes crude oil, natural gas plant liquids, other liquids, and refinery processing gains.

² Apparent consumption includes internal consumption, refinery fuel and loss, and bunkering. Also included, where available, are liquefied petroleum gases sold directly from natural gas processing plants for fuel or chemical uses.

(s)=Value less than 500 barrels per day.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

Table 3.2 World Output of Refined Petroleum Products, 1994
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Output of Refined Petroleum Products	Refinery ³ Fuel and Loss
North America									
Canada.....	633	71	54	479	114	75	344	1,770	101
Mexico.....	437	79	17	284	446	134	91	1,488	57
United States.....	7,312	1,448	58	3,205	826	611	2,462	15,921	947
Other.....	0	0	0	0	0	0	0	0	0
Total.....	8,382	1,598	129	3,968	1,385	821	2,897	19,180	1,105
Central & South America									
Argentina.....	142	21	7	180	56	28	60	495	19
Bahamas, The.....	0	0	0	0	0	0	0	0	0
Bolivia.....	11	2	1	8	1	7	1	30	(s)
Brazil.....	243	49	3	452	233	127	231	1,338	51
Chile.....	44	8	6	54	24	14	9	158	6
Colombia.....	86	15	14	58	58	17	16	263	10
Costa Rica.....	2	1	(s)	3	4	(s)	1	12	(s)
Cuba.....	16	2	11	16	42	3	13	103	4
Dominican Republic.....	8	(s)	4	9	14	1	1	38	1
Ecuador.....	31	4	2	59	27	8	8	139	5
El Salvador.....	6	1	(s)	7	6	1	1	22	1
Guatemala.....	3	1	(s)	6	5	(s)	(s)	16	1
Honduras.....	0	0	0	0	0	0	0	0	0
Jamaica.....	3	1	1	4	7	(s)	1	17	1
Netherlands Antilles.....	42	18	1	45	95	2	55	258	10
Nicaragua.....	3	(s)	(s)	3	4	(s)	1	11	(s)
Panama.....	5	1	(s)	7	12	(s)	1	25	1
Paraguay.....	2	(s)	(s)	3	1	(s)	(s)	6	(s)
Peru.....	29	6	15	34	65	4	4	157	6
Puerto Rico.....	48	10	1	14	23	2	29	127	5
Trinidad and Tobago.....	20	8	1	18	46	2	9	103	4
Uruguay.....	0	0	0	0	0	0	0	0	0
Venezuela.....	375	80	3	266	269	11	66	1,069	41
Virgin Islands, U.S.....	71	41	1	83	83	4	21	304	12
Other.....	5	0	3	4	8	1	1	21	1
Total.....	1,193	269	75	1,330	1,083	234	527	4,711	181
Western Europe									
Austria.....	58	8	(s)	74	26	1	32	200	12
Belgium.....	132	35	2	234	95	16	147	660	28
Bosnia and Herzegovina.....	0	0	0	0	0	0	0	0	0
Croatia.....	25	2	(s)	28	32	5	18	111	4
Denmark.....	37	5	1	84	40	5	10	181	7
Finland.....	95	10	1	94	19	9	27	255	10
France.....	399	114	1	622	188	80	280	1,683	100
Germany.....	612	61	1	998	249	109	512	2,542	133
Greece.....	82	35	1	76	94	15	34	336	14
Iceland.....	0	0	0	0	0	0	0	0	0
Ireland.....	8	(s)	0	20	15	1	2	46	1
Italy.....	436	56	41	653	368	73	249	1,876	103
Luxembourg.....	0	0	0	0	0	0	0	0	0
Macedonia, TFYR.....	2	0	0	1	1	(s)	(s)	4	(s)
Netherlands.....	333	119	4	392	224	99	457	1,628	80
Norway.....	73	19	6	140	28	10	39	314	15
Portugal.....	54	23	(s)	86	75	16	36	292	15
Serbia and Montenegro.....	4	2	1	8	7	(s)	9	31	1
Slovenia.....	2	(s)	0	1	3	(s)	2	8	(s)
Spain.....	222	87	3	333	252	54	194	1,144	71
Sweden.....	88	3	(s)	138	101	9	16	355	9
Switzerland.....	25	7	(s)	42	15	6	7	102	5
Turkey.....	87	21	2	152	152	23	68	506	29
United Kingdom.....	638	166	64	555	244	59	243	1,969	143
Other.....	0	0	0	0	0	0	0	0	0
Total.....	3,412	772	128	4,732	2,229	591	2,380	14,244	780

See footnotes at end of table.

Table 3.2 World Output of Refined Petroleum Products, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Output of Refined Petroleum Products	Refinery ³ Fuel and Loss
Eastern Europe & Former U.S.S.R.									
Albania.....	1	(s)	1	2	3	(s)	4	11	(s)
Bulgaria.....	29	4	4	43	43	3	17	143	5
Czech Republic.....	23	0	3	37	26	2	35	126	5
Hungary.....	29	5	2	52	31	3	49	171	7
Poland.....	83	6	(s)	103	63	7	26	288	11
Romania.....	80	5	3	96	65	9	39	297	11
Slovakia.....	16	0	2	27	29	1	17	92	4
Armenia.....	0	0	0	0	0	0	0	0	0
Azerbaijan.....	28	9	12	47	78	16	27	217	8
Belarus.....	41	17	7	62	94	6	41	267	10
Estonia.....	0	0	0	(s)	(s)	(s)	(s)	(s)	(s)
Georgia.....	2	0	0	1	1	(s)	(s)	4	(s)
Kazakhstan.....	51	5	5	80	81	17	65	305	12
Kyrgyzstan.....	0	0	0	0	0	0	0	0	0
Latvia.....	0	0	0	0	0	0	0	0	0
Lithuania.....	24	5	5	21	26	5	3	89	3
Moldova.....	0	0	0	0	0	0	0	0	0
Russia.....	630	200	5	997	1,370	161	631	3,993	154
Tajikistan.....	0	0	0	0	0	0	0	0	0
Turkmenistan.....	14	5	1	24	20	24	2	90	3
Ukraine.....	70	14	30	94	140	5	65	418	16
Uzbekistan.....	38	5	10	49	38	(s)	17	157	6
Total.....	1,159	281	89	1,734	2,110	259	1,038	6,669	257
Middle East									
Bahrain.....	21	20	28	83	61	1	42	257	10
Cyprus.....	3	1	(s)	7	6	1	1	19	1
Iran.....	143	26	95	295	281	63	96	999	38
Iraq.....	69	24	26	141	171	20	55	506	19
Israel.....	55	15	8	62	62	10	21	233	9
Jordan.....	11	5	5	17	18	4	6	65	5
Kuwait.....	41	101	29	268	187	106	70	802	31
Lebanon.....	0	0	0	0	0	0	0	0	0
Oman.....	13	4	4	16	35	1	2	74	2
Qatar.....	13	9	(s)	15	18	3	1	60	2
Saudi Arabia.....	255	60	101	481	452	31	208	1,586	61
Syria.....	32	6	4	81	97	6	18	244	9
United Arab Emirates.....	33	28	2	60	59	13	33	226	9
Yemen.....	16	2	2	20	21	2	2	67	3
Total.....	704	299	305	1,545	1,467	261	555	5,136	199

See footnotes at end of table.

Table 3.2 World Output of Refined Petroleum Products, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Output of Refined Petroleum Products	Refinery ³ Fuel and Loss
Africa									
Algeria.....	68	20	4	141	114	27	264	637	25
Angola.....	2	3	1	7	12	1	1	27	1
Cameroon.....	7	(s)	3	6	3	1	2	22	1
Congo.....	1	(s)	1	2	5	(s)	2	12	(s)
Cote d'Ivoire (Ivory Coast).....	10	1	14	14	9	1	3	53	2
Egypt.....	102	17	30	107	227	14	34	530	20
Ethiopia.....	0	0	0	0	0	0	0	0	0
Gabon.....	2	2	2	5	6	(s)	3	19	1
Ghana.....	5	1	3	4	6	1	2	21	1
Kenya.....	8	6	3	11	12	1	3	44	2
Libya.....	43	33	5	84	91	8	34	298	11
Morocco.....	10	5	1	44	48	9	16	133	5
Nigeria.....	63	1	34	60	55	5	32	250	10
Senegal.....	3	2	(s)	6	4	(s)	3	19	1
South Africa.....	164	21	15	98	55	5	22	380	15
Sudan.....	2	1	0	4	5	(s)	(s)	13	(s)
Tunisia.....	7	0	3	10	9	5	4	38	1
Zaire.....	1	(s)	1	1	3	(s)	1	8	(s)
Zimbabwe.....	0	0	0	0	0	0	0	0	0
Other.....	15	3	4	17	21	3	5	69	3
Total.....	514	118	125	621	686	80	432	2,575	99
Far East & Oceania									
Australia.....	308	74	5	193	42	19	83	723	40
Bangladesh.....	2	1	6	5	6	(s)	7	27	1
Brunei.....	4	1	(s)	2	1	(s)	1	10	(s)
Burma.....	4	1	(s)	8	2	(s)	1	17	1
China.....	664	69	24	712	601	146	707	2,923	136
Guam.....	0	0	0	0	0	0	0	0	0
Hong Kong.....	0	0	0	0	0	0	0	0	0
India.....	96	43	110	402	198	89	258	1,197	55
Indonesia.....	126	16	140	213	219	19	84	817	40
Japan.....	858	122	469	1,243	864	146	666	4,368	205
Korea, North.....	18	0	3	16	8	(s)	1	46	2
Korea, South.....	139	72	89	463	559	42	256	1,620	62
Malaysia.....	44	12	15	105	43	8	33	260	10
Mongolia.....	0	0	0	0	0	0	0	0	0
New Zealand.....	40	18	0	32	9	0	10	109	6
Pakistan.....	23	15	10	36	36	1	8	130	6
Papua New Guinea.....	0	0	0	0	0	0	0	0	0
Philippines.....	40	13	13	79	72	9	20	246	9
Singapore.....	100	148	19	372	288	19	190	1,137	44
Sri Lanka.....	4	1	4	13	13	1	5	41	2
Taiwan.....	75	24	10	86	203	21	104	524	39
Thailand.....	87	49	2	145	105	40	16	443	17
Vietnam.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	1	(s)
Other.....	0	0	0	0	0	0	0	0	0
Total.....	2,632	679	922	4,129	3,268	561	2,450	14,641	674
World Total.....	17,995	4,015	1,772	18,060	12,229	2,807	10,279	67,156	3,295

¹ Jet Fuel includes naphtha-type jet fuel and kerosene-type jet fuel.

² Includes asphalt, coke, aviation gasoline, naphthas, paraffin wax, petrochemical feedstocks, unfinished oils, white spirits, and blending components.

³ Refinery fuel and loss reported in this column as a memo item has been included in the output of the individual petroleum products and should not be added to "Total Output of Refined Petroleum Products".

(s)=Value less than 500 barrels per day.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

Table 3.3 World Imports of Refined Petroleum Products, 1994
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Imports of Refined Petroleum Products
North America								
Canada.....	30	10	1	11	32	6	42	133
Mexico.....	66	0	0	0	79	40	0	185
United States.....	356	117	3	203	314	223	718	1,933
Other.....	1	(s)	(s)	3	(s)	(s)	(s)	4
Total.....	453	127	4	217	425	269	760	2,255
Central & South America								
Argentina.....	6	1	0	17	9	0	2	34
Bahamas, The.....	4	1	1	6	44	(s)	(s)	56
Bolivia.....	0	0	0	1	0	0	0	1
Brazil.....	0	7	0	129	43	53	74	306
Chile.....	5	0	0	7	6	8	0	25
Colombia.....	40	(s)	0	(s)	(s)	(s)	2	42
Costa Rica.....	3	2	0	10	(s)	2	1	18
Cuba.....	2	2	1	22	42	(s)	2	70
Dominican Republic.....	6	0	1	8	6	8	(s)	30
Ecuador.....	0	0	0	4	0	8	(s)	12
El Salvador.....	1	(s)	0	1	(s)	1	(s)	4
Guatemala.....	7	0	1	9	1	4	1	23
Honduras.....	5	1	1	10	3	1	1	20
Jamaica.....	4	3	(s)	5	22	2	(s)	38
Netherlands Antilles.....	7	1	0	6	13	1	5	34
Nicaragua.....	(s)	0	0	(s)	(s)	(s)	(s)	1
Panama.....	7	2	0	9	5	2	(s)	25
Paraguay.....	4	(s)	(s)	10	(s)	2	(s)	16
Peru.....	0	0	0	13	0	3	7	23
Puerto Rico.....	12	(s)	(s)	13	27	(s)	5	58
Trinidad and Tobago.....	0	0	0	2	1	0	(s)	3
Uruguay.....	6	1	1	15	3	5	1	31
Venezuela.....	0	0	0	0	0	4	11	14
Virgin Islands, U.S.....	0	0	0	2	1	0	(s)	3
Other.....	12	9	3	18	16	3	2	61
Total.....	131	29	10	317	242	108	113	949
Western Europe								
Austria.....	14	1	(s)	22	8	5	21	71
Belgium.....	35	7	1	91	62	15	121	332
Bosnia and Herzegovina.....	6	(s)	1	6	5	0	2	20
Croatia.....	(s)	1	0	2	2	1	(s)	6
Denmark.....	25	12	1	42	22	(s)	19	121
Finland.....	2	(s)	3	27	37	2	36	106
France.....	55	14	1	173	7	52	172	474
Germany.....	199	67	1	337	78	32	166	880
Greece.....	2	8	0	45	24	0	44	122
Iceland.....	3	2	0	6	2	0	1	15
Ireland.....	15	5	5	27	22	3	2	80
Italy.....	44	1	0	34	265	47	261	652
Luxembourg.....	13	3	0	19	4	(s)	(s)	40
Macedonia, TFYR.....	4	(s)	0	0	8	(s)	1	14
Netherlands.....	72	10	5	133	139	195	249	803
Norway.....	12	3	(s)	10	17	9	14	66
Portugal.....	(s)	0	0	2	26	19	36	84
Serbia and Montenegro.....	0	0	0	0	2	0	0	2
Slovenia.....	16	1	0	12	2	1	4	36
Spain.....	20	1	0	49	26	36	114	245
Sweden.....	34	17	28	20	27	26	26	178
Switzerland.....	60	19	(s)	85	0	1	8	175
Turkey.....	6	(s)	0	13	10	50	9	89
United Kingdom.....	40	17	2	22	70	19	249	420
Other.....	2	1	0	5	18	(s)	1	27
Total.....	680	190	49	1,184	882	516	1,556	5,057

See footnotes at end of table.

Table 3.3 World Imports of Refined Petroleum Products, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Imports of Refined Petroleum Products
Eastern Europe & Former U.S.S.R.								
Albania.....	3	0	0	0	0	0	0	3
Bulgaria.....	3	4	0	7	6	0	1	20
Czech Republic.....	15	0	(s)	17	16	1	2	51
Hungary.....	12	1	0	15	13	(s)	3	45
Poland.....	24	6	0	11	(s)	6	3	50
Romania.....	1	2	(s)	3	26	0	(s)	32
Slovakia.....	0	0	0	1	0	0	0	1
Armenia.....	1	(s)	1	2	3	(s)	(s)	7
Azerbaijan.....	0	0	0	0	0	0	(s)	(s)
Belarus.....	1	0	0	2	6	5	(s)	14
Estonia.....	7	0	1	9	9	0	0	25
Georgia.....	(s)	0	0	2	(s)	0	0	2
Kazakhstan.....	8	1	(s)	8	7	2	2	29
Kyrgyzstan.....	3	(s)	0	2	2	(s)	0	7
Latvia.....	10	1	(s)	11	14	2	2	41
Lithuania.....	2	0	(s)	5	27	(s)	(s)	35
Moldova.....	5	(s)	(s)	8	9	0	1	22
Russia.....	11	14	1	8	1	0	8	44
Tajikistan.....	1	0	0	3	1	0	1	7
Turkmenistan.....	0	0	0	2	0	0	0	2
Ukraine.....	15	0	0	25	28	0	14	82
Uzbekistan.....	7	0	5	3	0	0	(s)	16
Total.....	128	29	9	144	171	16	37	535
Middle East								
Bahrain.....	0	0	0	0	0	0	0	0
Cyprus.....	1	9	0	2	10	(s)	2	24
Iran.....	14	3	4	130	23	0	0	174
Iraq.....	0	0	0	0	0	0	0	0
Israel.....	0	6	0	1	21	0	7	34
Jordan.....	0	0	0	2	14	2	(s)	18
Kuwait.....	0	0	0	0	0	0	2	2
Lebanon.....	26	3	1	16	25	5	0	76
Oman.....	(s)	(s)	0	0	0	(s)	2	2
Qatar.....	0	0	0	0	0	0	0	0
Saudi Arabia.....	0	0	0	0	0	0	0	0
Syria.....	0	0	1	5	0	4	1	11
United Arab Emirates.....	0	0	0	8	203	0	(s)	211
Yemen.....	5	0	1	0	0	0	(s)	6
Total.....	47	21	7	164	295	11	14	559

See footnotes at end of table.

Table 3.3 World Imports of Refined Petroleum Products, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Imports of Refined Petroleum Products
Africa								
Algeria.....	0	0	0	0	0	0	6	6
Angola.....	(s)	0	0	(s)	0	(s)	0	(s)
Cameroon.....	0	0	(s)	0	(s)	0	2	2
Congo.....	(s)	0	0	0	(s)	0	(s)	(s)
Cote d'Ivoire (Ivory Coast)...	4	(s)	(s)	2	0	(s)	1	8
Egypt.....	0	0	(s)	11	0	0	1	13
Ethiopia.....	1	3	0	5	5	(s)	1	14
Gabon.....	(s)	(s)	(s)	(s)	0	0	(s)	1
Ghana.....	3	(s)	(s)	2	1	(s)	(s)	6
Kenya.....	1	1	3	2	0	0	1	7
Libya.....	0	0	0	0	0	0	1	1
Morocco.....	0	0	0	11	1	17	(s)	29
Nigeria.....	35	8	6	1	0	(s)	(s)	50
Senegal.....	2	1	0	1	1	1	1	7
South Africa.....	0	0	0	0	0	0	3	3
Sudan.....	2	1	(s)	12	2	(s)	(s)	17
Tunisia.....	0	5	0	16	24	5	1	51
Zaire.....	4	3	1	5	3	(s)	1	19
Zimbabwe.....	7	3	(s)	12	0	(s)	(s)	23
Other.....	33	14	10	50	23	4	12	146
Total.....	93	38	22	129	60	29	34	404
Far East & Oceania								
Australia.....	3	4	0	15	17	3	84	127
Bangladesh.....	1	2	2	14	0	0	1	20
Brunei.....	0	0	0	0	0	0	(s)	(s)
Burma.....	(s)	0	0	(s)	0	0	0	(s)
China.....	25	4	2	123	111	31	70	366
Guam.....	6	10	0	14	(s)	(s)	(s)	30
Hong Kong.....	14	62	0	148	60	5	6	296
India.....	(s)	1	96	175	2	18	5	296
Indonesia.....	0	25	0	66	13	0	2	106
Japan.....	23	59	39	45	74	578	448	1,265
Korea, North.....	11	0	1	5	6	0	0	24
Korea, South.....	0	0	47	48	97	133	234	559
Malaysia.....	42	10	(s)	40	52	15	35	195
Mongolia.....	6	0	1	5	1	0	(s)	13
New Zealand.....	9	(s)	0	1	0	0	5	15
Pakistan.....	3	(s)	3	89	59	1	1	156
Papua New Guinea.....	2	1	(s)	7	5	(s)	(s)	15
Philippines.....	3	0	2	46	17	3	6	77
Singapore.....	23	14	6	93	271	(s)	38	445
Sri Lanka.....	0	2	(s)	4	0	2	(s)	8
Taiwan.....	41	8	0	12	71	28	28	187
Thailand.....	14	9	0	82	61	2	1	169
Vietnam.....	22	4	6	35	16	0	1	84
Other.....	11	14	6	23	13	2	2	71
Total.....	258	230	209	1,092	946	820	968	4,524
World Total.....	1,790	664	311	3,246	3,021	1,769	3,483	14,284

¹ Jet fuel includes naphtha-type jet fuel and kerosene-type jet fuel.

² Includes asphalt, coke, aviation gasoline, naphthas, paraffin wax, petrochemical feedstocks, unfinished oils, white spirits, and blending components.

(s)=Value less than 500 barrels per day.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

Table 3.4 World Exports of Refined Petroleum Products, 1994
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Exports of Refined Petroleum ³ Products
North America								
Canada.....	70	1	1	98	24	253	80	528
Mexico.....	4	16	0	20	4	63	3	110
United States.....	97	20	1	234	125	39	328	843
Other.....	0	0	0	0	0	0	0	0
Total.....	171	37	2	352	153	355	411	1,481
Central & South America								
Argentina.....	32	1	0	17	7	16	9	82
Bahamas, The.....	0	0	0	(s)	38	0	0	39
Bolivia.....	0	0	0	0	0	(s)	0	(s)
Brazil.....	51	1	0	7	31	0	104	194
Chile.....	1	0	0	0	0	0	0	1
Colombia.....	1	(s)	0	10	50	0	0	61
Costa Rica.....	0	0	0	(s)	1	0	0	1
Cuba.....	0	0	0	0	2	0	3	5
Dominican Republic.....	0	0	0	0	0	0	0	0
Ecuador.....	0	(s)	0	3	28	0	(s)	31
El Salvador.....	0	0	0	0	(s)	0	(s)	(s)
Guatemala.....	0	0	0	0	0	0	1	1
Honduras.....	0	0	0	0	0	0	0	0
Jamaica.....	0	0	0	(s)	(s)	0	(s)	(s)
Netherlands Antilles.....	47	18	0	41	70	1	45	222
Nicaragua.....	0	0	(s)	(s)	0	0	(s)	(s)
Panama.....	(s)	2	0	(s)	4	0	0	6
Paraguay.....	0	0	0	0	0	0	0	0
Peru.....	4	0	(s)	1	35	0	0	40
Puerto Rico.....	2	2	0	5	(s)	(s)	10	19
Trinidad and Tobago.....	15	6	0	18	40	(s)	1	82
Uruguay.....	0	0	0	0	0	0	0	0
Venezuela.....	173	59	0	140	218	30	21	641
Virgin Islands, U.S.....	67	33	1	76	58	0	11	247
Other.....	1	0	1	1	1	(s)	0	4
Total.....	393	122	2	320	585	48	205	1,675
Western Europe								
Austria.....	15	0	(s)	3	1	(s)	3	22
Belgium.....	102	22	(s)	112	47	9	108	401
Bosnia and Herzegovina..	0	0	0	0	0	0	0	0
Croatia.....	11	1	(s)	9	9	4	8	42
Denmark.....	15	1	0	34	24	2	5	82
Finland.....	49	(s)	0	24	0	0	6	79
France.....	107	27	(s)	70	47	29	72	352
Germany.....	87	2	(s)	77	84	22	48	321
Greece.....	25	13	0	5	15	3	22	84
Iceland.....	0	0	0	0	0	0	0	0
Ireland.....	(s)	0	0	4	14	0	1	20
Italy.....	83	13	15	180	72	10	40	413
Luxembourg.....	0	0	0	0	0	0	0	0
Macedonia, TFYR.....	(s)	(s)	0	0	(s)	0	0	(s)
Netherlands.....	225	75	4	333	169	38	285	1,129
Norway.....	43	9	0	86	23	89	30	280
Portugal.....	12	11	(s)	26	28	1	10	89
Serbia and Montenegro....	0	0	0	0	0	0	0	0
Slovenia.....	(s)	(s)	0	(s)	0	0	2	2
Spain.....	43	21	0	31	78	3	40	215
Sweden.....	39	0	0	76	52	3	22	192
Switzerland.....	0	0	0	0	10	1	(s)	11
Turkey.....	0	3	0	(s)	31	0	4	38
United Kingdom.....	155	20	9	121	90	110	87	592
Other.....	0	0	0	0	0	0	(s)	(s)
Total.....	1,012	218	28	1,192	795	326	794	4,365

See footnotes at end of table.

Table 3.4 World Exports of Refined Petroleum Products, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Exports of Refined Petroleum ³ Products
Eastern Europe & Former U.S.S.R.								
Albania.....	0	0	0	(s)	(s)	0	0	(s)
Bulgaria.....	9	1	0	22	3	(s)	1	36
Czech Republic.....	1	0	2	12	11	(s)	2	28
Hungary.....	9	2	0	22	(s)	1	20	54
Poland.....	(s)	(s)	0	(s)	16	0	1	18
Romania.....	56	(s)	(s)	45	1	(s)	5	108
Slovakia.....	6	0	2	12	9	0	0	29
Armenia.....	0	0	0	0	0	0	0	0
Azerbaijan.....	2	0	3	23	1	0	2	31
Belarus.....	5	7	0	3	2	0	0	18
Estonia.....	0	0	0	0	0	0	0	0
Georgia.....	0	0	0	0	0	0	0	0
Kazakhstan.....	4	(s)	0	19	7	(s)	1	30
Kyrgyzstan.....	0	0	0	0	0	0	0	0
Latvia.....	0	0	0	0	0	0	(s)	(s)
Lithuania.....	16	0	4	16	8	2	(s)	47
Moldova.....	0	0	0	0	0	0	0	0
Russia.....	42	8	2	324	315	29	222	942
Tajikistan.....	0	0	0	0	0	0	0	0
Turkmenistan.....	5	0	0	7	4	14	0	30
Ukraine.....	(s)	0	0	2	3	0	0	5
Uzbekistan.....	1	0	1	1	1	0	1	5
Total.....	156	19	14	509	381	47	255	1,381
Middle East								
Bahrain.....	15	18	27	80	57	1	28	226
Cyprus.....	0	0	0	0	0	0	0	0
Iran.....	13	0	0	0	14	15	4	46
Iraq.....	4	3	0	15	14	14	0	49
Israel.....	14	9	2	31	3	2	6	66
Jordan.....	0	0	0	0	0	0	0	0
Kuwait.....	9	94	29	255	122	91	50	649
Lebanon.....	0	0	0	0	0	0	0	0
Oman.....	0	0	5	(s)	33	(s)	1	38
Qatar.....	5	7	0	9	12	26	0	59
Saudi Arabia.....	63	0	95	43	248	381	0	830
Syria.....	6	0	0	0	25	0	(s)	31
United Arab Emirates.....	8	21	(s)	6	15	102	21	174
Yemen.....	0	1	0	0	5	0	0	6
Total.....	137	153	158	439	547	631	110	2,174

See footnotes at end of table.

Table 3.4 World Exports of Refined Petroleum Products, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Exports of Refined Petroleum ³ Products
Africa								
Algeria.....	7	10	(s)	55	102	111	121	405
Angola.....	1	0	0	(s)	2	0	0	3
Cameroon.....	(s)	0	(s)	0	(s)	0	(s)	(s)
Congo.....	(s)	(s)	0	(s)	5	0	0	5
Cote d'Ivoire (Ivory Coast)	1	(s)	(s)	3	1	(s)	0	6
Egypt.....	58	(s)	0	0	37	0	(s)	95
Ethiopia.....	0	0	0	0	0	0	0	0
Gabon.....	1	1	(s)	1	(s)	(s)	(s)	3
Ghana.....	0	0	0	0	1	0	0	1
Kenya.....	1	2	(s)	2	2	(s)	(s)	8
Libya.....	10	9	1	36	42	8	23	129
Morocco.....	0	0	0	0	0	0	8	8
Nigeria.....	(s)	(s)	(s)	3	10	0	0	14
Senegal.....	1	0	(s)	(s)	0	0	(s)	1
South Africa.....	7	1	1	6	1	1	0	17
Sudan.....	0	0	0	0	0	0	0	0
Tunisia.....	0	0	0	0	7	0	3	10
Zaire.....	0	0	0	0	(s)	0	0	(s)
Zimbabwe.....	0	0	0	0	0	0	0	0
Other.....	1	1	(s)	3	5	0	1	11
Total.....	88	24	4	110	215	119	157	717
Far East & Oceania								
Australia.....	14	6	2	13	13	22	20	89
Bangladesh.....	0	0	0	0	0	0	1	1
Brunei.....	0	(s)	0	0	0	0	0	(s)
Burma.....	0	0	0	0	0	0	(s)	(s)
China.....	55	2	(s)	25	1	(s)	15	99
Guam.....	0	0	0	0	0	0	0	0
Hong Kong.....	6	2	(s)	63	33	1	4	110
India.....	7	0	0	0	19	1	53	80
Indonesia.....	1	1	0	0	104	41	24	171
Japan.....	15	1	8	49	53	(s)	17	143
Korea, North.....	0	0	0	0	(s)	0	0	(s)
Korea, South.....	2	17	1	94	110	4	30	257
Malaysia.....	0	1	11	16	31	10	9	78
Mongolia.....	0	0	0	0	0	0	0	0
New Zealand.....	1	1	0	2	(s)	1	0	4
Pakistan.....	0	0	0	0	0	0	2	2
Papua New Guinea.....	0	0	0	(s)	0	0	0	(s)
Philippines.....	(s)	0	0	(s)	2	2	14	19
Singapore.....	111	118	20	358	280	17	162	1,066
Sri Lanka.....	0	0	0	0	2	0	3	4
Taiwan.....	0	0	0	0	9	0	2	11
Thailand.....	4	(s)	0	1	(s)	(s)	0	6
Vietnam.....	0	0	0	0	0	0	0	0
Other.....	1	(s)	1	1	0	0	(s)	3
Total.....	216	149	43	622	657	99	356	2,143
World Total.....	2,172	722	252	3,543	3,332	1,626	2,289	13,936

¹ Jet Fuel includes naphtha-type jet fuel and kerosene-type jet fuel.

² Includes asphalt, coke, aviation gasoline, naphthas, paraffin wax, petrochemical feedstocks, unfinished oils, white spirits, and blending components.

³ Exports of refined products do not include bunker fuels where identifiable.

(s)=Value less than 500 barrels per day.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

Table 3.5 World Apparent Consumption of Refined Petroleum Products, 1994
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Apparent ³ Consumption
North America								
Canada.....	580	78	56	386	122	225	279	1,727
Mexico.....	501	48	11	248	667	259	88	1,822
United States.....	7,601	1,527	49	3,162	1,021	1,880	2,478	17,718
Other.....	1	(s)	(s)	3	(s)	(s)	(s)	4
Total.....	8,683	1,653	116	3,799	1,810	2,364	2,846	21,272
Central & South America								
Argentina.....	130	20	7	164	43	61	53	478
Bolivia.....	9	2	(s)	9	2	7	1	30
Brazil.....	192	55	3	574	245	180	202	1,451
Chile.....	45	7	6	59	34	24	4	179
Colombia.....	125	14	14	48	9	18	18	244
Costa Rica.....	6	3	(s)	13	3	2	1	28
Cuba.....	20	4	13	40	86	3	16	183
Dominican Republic.....	14	(s)	6	17	20	10	1	68
Ecuador.....	30	4	1	36	25	16	7	120
El Salvador.....	7	1	(s)	8	6	3	1	25
Guatemala.....	10	1	1	15	7	4	1	38
Honduras.....	5	1	1	10	3	1	1	20
Jamaica.....	7	4	2	9	29	3	1	55
Netherlands Antilles.....	2	1	1	11	38	2	21	77
Panama.....	12	(s)	(s)	15	13	2	1	44
Paraguay.....	5	1	(s)	12	2	2	(s)	23
Peru.....	25	5	13	46	29	9	5	132
Puerto Rico.....	58	11	1	22	49	2	24	167
Trinidad and Tobago.....	4	2	1	3	6	1	8	25
Uruguay.....	8	1	1	15	4	5	1	33
Venezuela.....	178	19	3	64	51	64	60	440
Virgin Islands, U.S.....	4	7	(s)	8	26	4	9	60
Other.....	22	10	5	29	33	4	3	106
Total.....	918	173	81	1,227	764	426	439	4,027
Western Europe								
Austria.....	57	9	(s)	93	33	6	37	235
Belgium.....	66	19	3	205	112	20	85	510
Bosnia and Herzegovina...	6	(s)	1	6	5	0	2	20
Croatia.....	15	2	(s)	21	25	3	12	79
Denmark.....	44	16	(s)	94	38	3	15	210
Finland.....	44	8	1	78	36	5	48	220
France.....	344	95	(s)	788	136	117	352	1,833
Germany.....	690	125	1	1,269	188	117	490	2,879
Greece.....	62	34	0	115	102	11	24	349
Iceland.....	4	2	0	6	2	0	1	15
Ireland.....	23	10	5	42	25	4	5	113
Italy.....	404	59	6	510	520	116	225	1,841
Luxembourg.....	12	3	0	19	4	(s)	(s)	39
Macedonia, TFYR.....	6	(s)	0	1	9	(s)	1	18
Netherlands.....	90	47	2	162	187	62	210	760
Norway.....	38	12	3	69	13	17	30	183
Portugal.....	42	12	(s)	65	66	33	52	270
Serbia and Montenegro.....	4	2	1	8	9	(s)	9	32
Slovenia.....	18	1	0	13	5	1	4	42
Spain.....	190	58	2	340	221	87	228	1,127
Sweden.....	96	18	(s)	114	66	30	28	353
Switzerland.....	85	26	(s)	144	7	5	13	281
Turkey.....	92	17	2	161	130	66	72	540
United Kingdom.....	545	155	56	454	201	154	271	1,837
Other.....	2	1	0	5	18	(s)	(s)	27
Total.....	2,980	732	85	4,782	2,161	860	2,213	13,815

See footnotes at end of table.

Table 3.5 World Apparent Consumption of Refined Petroleum Products, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Apparent ³ Consumption
Eastern Europe & Former U.S.S.R.								
Albania.....	4	(s)	1	2	3	(s)	4	13
Bulgaria.....	23	7	4	27	46	2	17	126
Czech Republic.....	35	2	2	40	34	3	36	152
Hungary.....	35	6	2	46	50	2	28	168
Poland.....	104	10	(s)	103	46	12	34	309
Romania.....	25	6	2	53	91	9	35	221
Slovakia.....	11	0	(s)	15	19	1	17	63
Armenia.....	1	(s)	1	2	3	(s)	(s)	7
Azerbaijan.....	25	9	9	24	77	16	26	187
Belarus.....	36	10	7	59	98	11	39	260
Estonia.....	7	0	1	9	9	(s)	(s)	25
Georgia.....	2	0	0	3	1	(s)	(s)	6
Kazakhstan.....	55	7	5	69	82	20	66	304
Kyrgyzstan.....	3	(s)	0	2	2	(s)	0	7
Latvia.....	10	1	(s)	11	14	2	2	40
Lithuania.....	10	5	1	11	45	3	3	78
Moldova.....	5	(s)	(s)	8	9	0	1	22
Russia.....	607	206	5	1,096	709	132	424	3,179
Tajikistan.....	1	0	0	3	1	0	1	7
Turkmenistan.....	9	5	1	19	16	10	2	63
Ukraine.....	85	14	30	117	166	5	78	495
Uzbekistan.....	44	5	14	51	37	(s)	17	168
Total.....	1,135	293	85	1,770	1,559	228	830	5,900
Middle East								
Bahrain.....	6	2	1	3	4	(s)	14	30
Cyprus.....	4	9	(s)	8	16	1	3	43
Iran.....	184	35	140	365	259	51	95	1,130
Iraq.....	66	21	26	126	157	6	55	457
Israel.....	41	11	6	32	80	9	21	200
Jordan.....	11	5	5	20	29	6	6	82
Kuwait.....	32	7	(s)	13	50	9	20	132
Lebanon.....	26	3	1	16	25	5	0	76
Oman.....	14	3	(s)	4	16	1	2	40
Qatar.....	8	2	(s)	6	1	21	1	40
Saudi Arabia.....	204	60	6	357	175	152	155	1,109
Syria.....	26	6	5	86	72	10	18	224
United Arab Emirates.....	25	21	2	63	181	18	8	318
Yemen.....	22	1	3	20	15	2	3	66
Total.....	668	188	196	1,120	1,082	292	402	3,948

See footnotes at end of table.

Table 3.5 World Apparent Consumption of Refined Petroleum Products, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Motor Gasoline	Jet Fuel ¹	Kerosene	Distillate Fuel Oil	Residual Fuel Oil	Liquefied Petroleum Gases	Other ²	Total Apparent ³ Consumption
Africa								
Algeria.....	54	10	4	74	12	45	31	230
Angola.....	2	3	1	7	10	1	1	25
Cameroon.....	7	(s)	3	6	3	1	4	24
Congo.....	1	(s)	1	2	(s)	(s)	2	7
Cote d'Ivoire (Ivory Coast)	12	1	14	13	8	1	5	55
Egypt.....	44	17	30	119	190	14	35	448
Ethiopia.....	1	3	0	5	5	(s)	1	14
Gabon.....	2	1	2	4	5	(s)	3	18
Ghana.....	8	1	3	6	6	1	2	26
Kenya.....	8	5	5	11	10	1	4	44
Libya.....	35	24	5	38	48	5	11	166
Morocco.....	10	5	1	55	49	26	8	153
Nigeria.....	99	0	35	61	28	2	28	252
Senegal.....	3	3	(s)	6	6	1	4	23
South Africa.....	166	22	15	105	65	6	31	410
Sudan.....	4	2	0	14	7	(s)	(s)	28
Tunisia.....	7	5	3	26	26	10	2	80
Zaire.....	5	3	2	7	6	(s)	2	26
Zimbabwe.....	7	3	(s)	12	0	(s)	(s)	23
Other.....	47	16	14	64	39	7	16	204
Total.....	521	125	138	633	525	121	191	2,254
Far East & Oceania								
Australia.....	302	70	3	193	44	66	112	790
Bangladesh.....	3	3	9	19	6	(s)	6	46
Brunei.....	4	1	(s)	2	1	(s)	2	11
Burma.....	4	1	(s)	8	2	(s)	1	17
China.....	677	71	24	778	701	191	699	3,141
Guam.....	6	10	0	14	(s)	(s)	(s)	30
Hong Kong.....	9	57	2	72	27	2	12	180
India.....	89	44	206	578	181	106	210	1,413
Indonesia.....	144	28	154	307	78	19	48	778
Japan.....	839	175	482	1,247	890	683	1,358	5,674
Korea, North.....	29	0	4	22	14	(s)	1	70
Korea, South.....	140	52	131	416	536	176	405	1,856
Malaysia.....	86	22	5	128	64	14	60	378
Mongolia.....	6	0	1	5	1	0	(s)	13
New Zealand.....	44	14	0	32	8	8	22	128
Pakistan.....	28	15	13	121	96	2	8	282
Papua New Guinea.....	2	1	(s)	6	5	(s)	(s)	15
Philippines.....	42	13	15	101	94	22	16	303
Singapore.....	12	44	4	107	279	2	66	516
Sri Lanka.....	4	3	4	18	11	2	2	45
Taiwan.....	130	32	1	90	265	46	95	659
Thailand.....	96	56	2	229	161	42	17	603
Vietnam.....	22	4	6	36	16	(s)	1	85
Other.....	10	14	5	22	13	2	2	68
Total.....	2,726	730	1,070	4,550	3,494	1,383	3,145	17,097
World Total.....	17,631	3,895	1,773	17,880	11,394	5,676	10,065	68,313

¹ Jet Fuel includes naphtha-type jet fuel and kerosene-type jet fuel.

² Includes asphalt, coke, aviation gasoline, naphthas, paraffin wax, petrochemical feedstocks, unfinished oils, white spirits, and blending components.

³ Apparent consumption includes internal consumption, refinery fuel and loss, and bunkering. Also included, where available, are liquefied petroleum gases sold directly from natural gas processing plants for fuel or chemical uses.

(s)=Value less than 500 barrels per day.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

Table 3.6 World Crude Oil Refining Capacity, January 1, 1996

Region Country	Number of Refineries	Thousand Barrels per Day ¹			
		Crude Oil Distillation	Catalytic Cracking	Thermal Cracking	Reforming
North America					
Canada.....	23	1,848	379	166	350
Mexico.....	6	1,520	343	95	201
United States. ²	175	15,434	5,465	2,017	3,674
Total.....	204	18,803	6,187	2,278	4,224
Central & South America					
Argentina.....	12	661	183	152	51
Barbados.....	1	4	0	0	0
Bolivia.....	3	45	0	0	8
Brazil.....	14	1,256	334	58	3
Chile.....	3	178	46	19	10
Colombia.....	5	249	90	52	0
Costa Rica.....	1	15	0	7	1
Cuba.....	4	301	15	0	20
Dominican Republic.....	2	50	0	0	10
Ecuador.....	4	148	0	25	3
El Salvador.....	1	19	0	0	3
Guatemala.....	2	20	0	0	3
Honduras.....	1	14	0	0	2
Jamaica.....	1	36	0	0	4
Martinique.....	1	16	0	0	3
Netherlands Antilles.....	2	490	49	113	20
Nicaragua.....	1	17	4	0	0
Panama.....	1	60	0	27	11
Paraguay.....	1	8	0	0	0
Peru.....	5	182	23	0	0
Puerto Rico.....	2	127	14	0	27
Trinidad and Tobago.....	2	245	25	10	31
Uruguay.....	1	37	9	0	3
Venezuela.....	6	1,177	235	134	9
Virgin Islands, U.S.....	1	545	110	80	125
Total.....	77	5,900	1,136	677	347
Western Europe					
Austria.....	1	210	26	18	34
Belgium.....	4	610	111	61	98
Croatia.....	3	294	32	17	37
Denmark.....	3	189	0	74	32
Finland.....	2	200	45	35	43
France.....	14	1,782	357	150	267
Germany.....	19	2,126	278	398	398
Greece.....	4	401	67	46	51
Ireland.....	1	55	0	0	12
Italy.....	17	2,284	294	482	282
Macedonia, TFYR.....	1	51	0	0	11
Netherlands.....	6	1,187	137	158	169
Norway.....	3	307	48	73	49
Portugal.....	2	304	32	23	51
Serbia and Montenegro.....	2	168	21	22	21
Slovenia.....	1	12	0	0	0
Spain.....	10	1,327	179	177	198
Sweden.....	5	437	33	67	78
Switzerland.....	2	132	0	20	26
Turkey.....	5	713	38	24	66
United Kingdom.....	15	1,888	488	165	400
Total.....	120	14,677	2,187	2,010	2,322

See footnotes at end of table.

Table 3.6 World Crude Oil Refining Capacity, January 1, 1996 (Continued)

Region Country	Number of Refineries	Thousand Barrels per Day ¹			
		Crude Oil Distillation	Catalytic Cracking	Thermal Cracking	Reforming
Eastern Europe & Former U.S.S.R.					
Albania.....	3	40	0	0	0
Bulgaria.....	3	300	0	0	0
Czech Republic.....	4	187	0	0	25
Hungary.....	3	232	24	14	30
Poland.....	7	352	46	0	39
Romania.....	10	655	110	131	97
Slovakia.....	1	115	0	0	22
Azerbaijan.....	2	442	33	39	24
Belarus.....	2	725	0	0	98
Georgia.....	1	106	0	0	10
Kazakstan.....	3	394	38	55	59
Lithuania.....	1	263	44	30	26
Russia.....	36	6,721	380	503	843
Turkmenistan.....	2	237	15	29	33
Ukraine.....	6	1,262	61	39	156
Uzbekistan.....	2	175	0	27	23
Total.....	86	12,206	750	867	1,486
Middle East					
Bahrain.....	1	250	39	20	18
Cyprus.....	1	22	5	0	0
Iran.....	8	1,168	40	151	123
Iraq.....	8	348	0	0	44
Israel.....	2	220	50	66	27
Jordan.....	1	100	4	0	9
Kuwait.....	3	801	28	59	48
Lebanon.....	2	38	7	0	7
Oman.....	1	85	0	0	16
Qatar.....	1	58	0	0	12
Saudi Arabia.....	8	1,656	104	78	193
Syria.....	2	242	0	43	29
United Arab Emirates.....	2	213	0	0	30
Yemen.....	2	120	0	0	9
Total.....	42	5,319	277	417	563

See footnotes at end of table.

Table 3.6 World Crude Oil Refining Capacity, January 1, 1996 (Continued)

Region Country	Number of Refineries	Thousand Barrels per Day ¹			
		Crude Oil Distillation	Catalytic Cracking	Thermal Cracking	Reforming
Africa					
Algeria.....	5	465	0	0	59
Angola.....	1	32	0	0	2
Cameroon.....	1	42	0	0	7
Congo.....	1	21	0	0	2
Cote d'Ivoire (Ivory Coast).....	2	64	0	0	9
Egypt.....	8	532	0	16	34
Eritrea.....	1	18	0	0	2
Gabon.....	1	17	0	7	1
Ghana.....	1	25	0	0	6
Kenya.....	1	90	0	0	10
Liberia.....	1	15	0	0	2
Libya.....	3	348	0	0	14
Madagascar.....	1	15	0	6	2
Morocco.....	2	155	6	0	27
Nigeria.....	4	433	83	0	70
Senegal.....	1	17	0	0	2
Sierra Leone.....	1	10	0	0	0
Somalia.....	1	10	0	0	0
South Africa.....	4	401	85	50	62
Sudan.....	1	22	0	0	2
Tanzania.....	1	16	0	0	9
Tunisia.....	1	34	0	0	3
Zaire.....	1	17	0	0	4
Zambia.....	1	25	0	0	6
Total.....	45	2,825	174	80	334
Far East & Oceania					
Australia.....	10	733	219	0	186
Bangladesh.....	1	31	0	10	2
Brunei.....	1	9	0	0	6
Burma.....	2	32	0	5	0
China.....	34	2,867	855	315	142
India.....	12	1,086	138	105	29
Indonesia.....	7	805	18	91	93
Japan.....	41	4,867	749	96	687
Korea, North.....	2	71	0	0	7
Korea, South.....	6	1,244	63	19	125
Malaysia.....	4	321	0	0	52
New Zealand.....	1	91	0	0	21
Pakistan.....	3	137	0	0	7
Philippines.....	4	323	26	20	43
Singapore.....	4	1,170	60	191	128
Sri Lanka.....	1	48	0	11	3
Taiwan.....	2	543	45	14	57
Thailand.....	3	426	36	17	74
Total.....	138	14,803	2,209	896	1,661
World Total.....	712	74,532	12,918	7,224	10,937

¹ Calendar day basis.

² United States data are as of January 1, 1995. Refinery cracking and reforming data for the United States are available only on a stream day basis. These figures have been converted to calendar days by reducing the stream day data by 5 percent. Thus, the United States cracking and reforming data are estimated.

³ Not applicable.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

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Section 4

Natural Gas

Table 4.1 World Natural Gas Production, 1994
(Billion Cubic Feet)

Region Country	Gross Production	Vented, Flared	Reinjected	Marketed Production	Dry Gas Production
North America					
Canada.....	6,479	85	514	5,880	5,265
Mexico.....	1,323	50	0	1,273	913
United States.....	23,609	228	3,333	19,635	18,747
Total.....	31,411	363	3,847	26,788	24,925
Central & South America					
Argentina.....	970	79	42	848	786
Barbados.....	1	0	0	1	1
Bolivia.....	209	49	49	110	105
Brazil.....	274	38	53	183	152
Chile.....	150	5	73	72	69
Colombia.....	195	7	20	168	162
Cuba.....	1	0	0	1	1
Ecuador.....	24	18	2	4	4
Peru.....	47	9	4	35	35
Trinidad and Tobago.....	342	92	0	250	250
Venezuela.....	1,569	109	438	1,022	876
Total.....	3,781	407	681	2,693	2,440
Western Europe					
Austria.....	48	0	0	48	48
Belgium.....	(s)	0	0	(s)	(s)
Croatia.....	64	0	0	64	64
Denmark.....	234	7	54	172	172
France.....	121	0	0	121	121
Germany.....	703	30	0	673	673
Greece.....	1	(s)	0	1	1
Ireland.....	96	0	0	96	96
Italy.....	729	0	0	729	729
Netherlands.....	2,952	7	0	2,946	2,946
Norway.....	1,590	13	498	1,078	1,040
Serbia and Montenegro.....	28	0	0	28	28
Slovenia.....	(s)	0	0	(s)	(s)
Spain.....	28	0	22	6	6
Switzerland.....	(s)	0	0	(s)	(s)
Turkey.....	7	0	0	7	7
United Kingdom.....	2,776	113	99	2,565	2,466
Total.....	9,377	170	673	8,534	8,397
Eastern Europe & Former U.S.S.R.					
Albania.....	2	1	0	1	1
Bulgaria.....	2	0	0	2	2
Czech Republic.....	10	0	0	10	10
Hungary.....	183	0	0	183	172
Poland.....	164	0	0	164	164
Romania.....	702	0	0	702	692
Slovakia.....	11	0	0	11	11
Azerbaijan.....	225	0	0	225	225
Belarus.....	10	0	0	10	10
Kazakhstan.....	159	0	0	159	159
Kyrgyzstan.....	1	0	0	1	1
Russia.....	21,450	0	0	21,450	21,450
Tajikistan.....	1	0	0	1	1
Turkmenistan.....	1,257	0	0	1,257	1,257
Ukraine.....	643	0	0	643	643
Uzbekistan.....	1,667	0	0	1,667	1,667
Total.....	26,488	1	0	26,487	26,465

See footnotes at end of table.

Table 4.1 World Natural Gas Production, 1994 (Continued)
(Billion Cubic Feet)

Region Country	Gross Production	Vented, Flared	Reinjected	Marketed Production	Dry Gas Production
Middle East					
Bahrain.....	339	0	102	238	229
Iran.....	2,336	314	802	1,220	1,123
Iraq.....	120	2	0	119	112
Israel.....	1	0	0	1	1
Jordan.....	10	0	0	10	10
Kuwait.....	267	18	0	249	211
Oman.....	237	16	59	162	150
Qatar.....	646	0	106	540	477
Saudi Arabia.....	2,479	360	226	1,893	1,331
Syria.....	168	14	14	139	134
United Arab Emirates.....	1,213	14	153	1,047	912
Yemen.....	410	0	403	7	0
Total.....	8,228	738	1,865	5,625	4,690
Africa					
Algeria.....	4,701	243	2,472	1,986	1,807
Angola.....	99	47	28	24	18
Cameroon.....	88	88	0	0	0
Congo.....	46	46	0	0	0
Egypt.....	549	42	35	471	423
Equatorial Guinea.....	20	18	0	2	0
Gabon.....	91	63	21	7	4
Libya.....	442	63	132	247	226
Morocco.....	1	0	0	1	1
Nigeria.....	1,189	950	78	161	161
Senegal.....	1	0	0	1	1
South Africa.....	69	0	0	69	69
Tunisia.....	27	13	0	14	12
Total.....	7,323	1,572	2,768	2,983	2,722
Far East & Oceania					
Afghanistan.....	11	0	0	11	11
Australia.....	924	5	0	919	919
Bangladesh.....	235	0	0	235	235
Brunei.....	358	0	56	303	297
Burma.....	51	0	0	51	51
China.....	589	0	0	589	589
India.....	685	71	4	611	594
Indonesia.....	2,942	177	513	2,252	2,208
Japan.....	80	0	0	80	80
Malaysia.....	938	0	0	938	923
New Zealand.....	209	0	25	185	171
Pakistan.....	627	0	0	627	627
Papua New Guinea.....	2	0	0	2	2
Taiwan.....	32	0	0	32	32
Thailand.....	376	0	0	376	342
Vietnam.....	36	28	0	9	9
Total.....	8,096	280	597	7,219	7,086
World Total.....	94,704	3,532	10,431	80,328	76,726

(s) = Value less than 500 million cubic feet.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

Table 4.2 World Dry Natural Gas Supply and Disposition, 1994
(Billion Cubic Feet)

Region Country	Dry Gas Production	Imports ¹	Exports ¹	Apparent Consumption ²
North America				
Canada.....	5,265	37	2,522	2,823
Mexico.....	913	47	7	953
United States.....	18,747	2,624	162	20,755
Total.....	24,925	2,708	2,691	24,531
Central & South America				
Argentina.....	786	70	0	856
Barbados.....	1	0	0	1
Bolivia.....	105	0	70	35
Brazil.....	152	0	0	152
Chile.....	69	0	0	69
Colombia.....	162	0	0	162
Cuba.....	1	0	0	1
Ecuador.....	4	0	0	4
Peru.....	35	0	0	35
Trinidad and Tobago.....	250	0	0	250
Venezuela.....	876	0	0	876
Total.....	2,440	70	70	2,440
Western Europe				
Austria.....	48	176	0	242
Belgium.....	(s)	405	0	401
Bosnia and Herzegovina....	0	9	0	15
Croatia.....	64	28	0	91
Denmark.....	172	0	62	110
Finland.....	0	119	0	119
France.....	121	1,092	26	1,134
Germany.....	673	2,517	71	3,088
Greece.....	1	0	0	1
Ireland.....	96	(s)	0	96
Italy.....	729	1,030	1	1,748
Luxembourg.....	0	20	0	20
Netherlands.....	2,946	130	1,437	1,648
Norway.....	1,040	0	948	93
Serbia and Montenegro.....	28	30	0	58
Slovenia.....	(s)	29	0	29
Spain.....	6	258	0	265
Sweden.....	0	27	0	28
Switzerland.....	(s)	81	0	81
Turkey.....	7	186	0	193
United Kingdom.....	2,466	107	31	2,542
Total.....	8,397	6,242	2,576	12,002

See footnotes at end of table.

Table 4.2 World Dry Natural Gas Supply and Disposition, 1994 (Continued)
(Billion Cubic Feet)

Region Country	Dry Gas Production	Imports ¹	Exports ¹	Apparent Consumption ²
Eastern Europe & Former U.S.S.R.				
Albania.....	1	0	0	1
Bulgaria.....	2	166	0	168
Czech Republic.....	10	251	0	238
Hungary.....	172	184	0	356
Poland.....	164	219	0	382
Romania.....	692	159	0	851
Slovakia.....	11	194	0	205
Armenia.....	0	64	0	57
Azerbaijan.....	225	106	0	332
Belarus.....	10	487	0	498
Estonia.....	0	23	0	23
Georgia.....	0	57	0	57
Kazakhstan.....	159	456	85	530
Kyrgyzstan.....	1	64	0	64
Latvia.....	0	25	0	25
Lithuania.....	0	81	0	81
Moldova.....	0	49	0	49
Russia.....	21,450	258	6,494	15,214
Tajikistan.....	1	57	0	57
Turkmenistan.....	1,257	0	1,109	148
Ukraine.....	643	2,684	0	3,327
Uzbekistan.....	1,667	71	509	1,229
Total.....	26,465	5,652	8,197	23,889
Middle East				
Bahrain.....	229	0	0	229
Iran.....	1,123	0	0	1,123
Iraq.....	112	0	0	112
Israel.....	1	0	0	1
Jordan.....	10	0	0	10
Kuwait.....	211	0	0	211
Oman.....	150	0	4	147
Qatar.....	477	0	0	477
Saudi Arabia.....	1,331	0	0	1,331
Syria.....	134	0	0	134
United Arab Emirates.....	912	4	150	765
Total.....	4,690	4	154	4,540
Africa				
Algeria.....	1,807	0	1,116	690
Angola.....	18	0	0	18
Egypt.....	423	0	0	423
Gabon.....	4	0	0	4
Libya.....	226	0	52	173
Morocco.....	1	0	0	1
Nigeria.....	161	0	0	161
Senegal.....	1	0	0	1
South Africa.....	69	0	0	69
Tunisia.....	12	57	0	69
Total.....	2,722	57	1,169	1,610

See footnotes at end of table.

Table 4.2 World Dry Natural Gas Supply and Disposition, 1994 (Continued)
(Billion Cubic Feet)

Region Country	Dry Gas Production	Imports ¹	Exports ¹	Apparent Consumption ²
Far East & Oceania				
Afghanistan.....	11	0	0	11
Australia.....	919	0	271	647
Bangladesh.....	235	0	0	235
Brunei.....	297	0	273	25
Burma.....	51	0	0	51
China.....	589	0	0	589
India.....	594	0	0	594
Indonesia.....	2,206	0	1,241	965
Japan.....	80	2,085	0	2,180
Korea, South.....	0	279	0	279
Malaysia.....	923	0	441	482
New Zealand.....	171	0	0	171
Pakistan.....	627	0	0	627
Papua New Guinea.....	2	0	0	2
Singapore.....	0	53	0	53
Taiwan.....	32	108	0	141
Thailand.....	342	0	0	342
Vietnam.....	9	0	0	9
Total.....	7,086	2,525	2,226	7,400
World Total.....	76,726	17,256	17,081	76,412

¹ Includes liquefied natural gas.

² Includes stock changes.

(s) = Value less than 500 million cubic feet.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

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Section 5

Coal

Table 5.1 World Coal Production, 1994
(Thousand Short Tons)

Region Country	Primary ¹			Secondary ²		
	Anthracite	Bituminous	Lignite	Metallurgical Coke	Anthracite and Bituminous Briquets	Lignite Briquets
North America						
Canada.....	0	68,497	11,778	4,061	0	0
Mexico.....	0	9,809	0	2,188	0	0
United States.....	4,646	940,777	88,081	22,272	0	0
Total.....	4,646	1,019,082	99,859	28,521	0	0
Central & South America						
Argentina.....	0	198	0	782	0	0
Brazil.....	0	4,905	0	9,175	0	0
Chile.....	0	1,612	44	559	0	0
Colombia.....	0	27,539	0	618	0	0
Cuba.....	0	0	0	17	0	0
Peru.....	6	115	0	0	0	0
Venezuela.....	0	5,226	0	0	0	0
Total.....	6	39,595	44	11,150	0	0
Western Europe						
Austria.....	0	1,533	0	1,466	0	0
Belgium.....	0	830	0	4,118	21	0
Bosnia and Herzegovina.....	0	0	3,240	0	0	0
Croatia.....	106	0	8	305	0	0
Finland.....	0	0	0	1,016	0	0
France.....	1,162	7,777	1,655	6,482	370	0
Germany.....	6,028	57,491	228,263	12,230	507	15,498
Greece.....	0	76	62,470	0	0	63
Ireland.....	0	(s)	0	0	0	0
Italy.....	0	6	294	5,835	0	0
Macedonia, TFYR.....	0	0	3,118	0	0	0
Netherlands.....	0	0	0	3,181	0	0
Norway.....	0	332	0	0	0	0
Portugal.....	0	162	0	320	0	0
Serbia and Montenegro.....	0	342	40,210	0	0	0
Slovenia.....	0	0	2,528	0	0	0
Spain.....	7,862	12,281	12,524	3,299	0	0
Sweden.....	0	1	0	1,259	0	0
Turkey.....	0	3,128	56,805	3,285	0	12
United Kingdom.....	1,051	52,944	0	7,313	664	0
Total.....	16,208	136,901	411,115	50,109	1,562	15,573
Eastern Europe & Former U.S.S.R.						
Albania.....	0	0	186	220	0	33
Bulgaria.....	90	3,835	27,807	1,068	0	1,793
Czech Republic.....	0	80,954	1,190	5,702	0	689
Hungary.....	0	10,661	4,881	0	0	674
Poland.....	0	147,310	73,601	12,628	0	112
Romania.....	0	4,987	40,346	3,179	0	0
Slovakia.....	0	2,381	882	2,067	0	0
Estonia.....	0	0	16,017	42	0	0
Georgia.....	0	40	10	0	0	0
Kazakhstan.....	0	110,478	4,603	2,205	0	0
Kyrgyzstan.....	0	1,323	1,323	0	0	0
Russia.....	22,384	185,299	112,656	27,990	294	2,186
Tajikistan.....	0	0	122	3	0	0
Ukraine.....	22,505	77,916	3,748	21,385	0	1,371
Uzbekistan.....	0	157	4,069	0	0	0
Total.....	44,979	625,339	291,442	76,489	294	6,859

See footnotes at end of table.

Table 5.1 World Coal Production, 1994 (Continued)
(Thousand Short Tons)

Region Country	Primary ¹			Secondary ²		
	Anthracite	Bituminous	Lignite	Metallurgical Coke	Anthracite and Bituminous Briquets	Lignite Briquets
Middle East						
Iran.....	0	1,653	0	44	0	0
Total.....	0	1,653	0	44	0	0
Africa						
Algeria.....	0	23	0	0	0	0
Botswana.....	0	919	0	0	0	0
Cameroon.....	0	1	0	0	0	0
Egypt.....	0	0	0	1,676	0	0
Malawi.....	0	57	0	0	0	0
Morocco.....	693	0	0	0	0	0
Mozambique.....	0	53	0	0	0	0
Niger.....	0	197	0	0	0	0
Nigeria.....	0	109	0	0	0	0
South Africa.....	2,514	213,325	0	2,039	0	0
Swaziland.....	22	35	0	0	0	0
Tanzania.....	0	4	0	0	0	0
Zaire.....	0	106	0	0	0	0
Zambia.....	0	460	0	36	0	0
Zimbabwe.....	0	6,080	0	602	0	0
Total.....	3,229	221,370	0	4,353	0	0
Far East & Oceania						
Afghanistan.....	0	78	0	0	0	0
Australia.....	0	194,093	55,094	4,403	0	0
Bhutan.....	0	2	0	0	0	0
Burma.....	0	36	44	0	0	0
China.....	268,684	1,074,736	66,957	107,814	0	0
India.....	0	274,468	21,165	11,945	0	204
Indonesia.....	0	32,474	0	0	0	0
Japan.....	224	7,867	18	46,766	104	0
Korea, North.....	48,502	0	29,211	3,913	0	0
Korea, South.....	8,199	0	0	12,333	5,163	0
Laos.....	0	1	0	0	0	0
Malaysia.....	0	299	0	0	0	0
Mongolia.....	0	718	7,661	0	0	0
Nepal.....	0	0	13	0	0	0
New Zealand.....	157	2,870	278	0	0	0
Pakistan.....	0	3,523	0	842	0	0
Philippines.....	0	1,889	3	0	0	0
Taiwan.....	0	314	0	3,441	0	0
Thailand.....	13	0	18,831	0	0	0
Vietnam.....	6,652	0	0	0	0	0
Total.....	332,431	1,593,369	199,274	191,456	5,267	204
World Total.....	401,498	3,637,310	1,001,734	362,122	7,123	22,636

¹ Primary coal includes all coal mined and, when necessary, washed and sorted.

² Secondary coal (e.g. coke, briquets), is derived from primary coal.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

Table 5.2 World Anthracite Coal Production, 1986 - 1995
(Thousand Short Tons)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
United States.....	4,292	3,560	3,555	3,348	3,506	3,445	3,483	4,322	4,646	4,116
Total.....	4,292	3,560	3,555	3,348	3,506	3,445	3,483	4,322	4,646	4,116
Central & South America										
Peru.....	17	11	20	20	11	7	7	6	6	6
Total.....	17	11	20	20	11	7	7	6	6	6
Western Europe										
Belgium.....	3,902	2,575	799	713	95	0	0	0	0	0
Croatia.....	—	—	—	—	—	—	132	116	106	92
France.....	2,338	2,335	1,848	1,762	1,451	1,503	1,358	1,288	1,162	1,077
Germany.....	—	—	—	—	—	7,217	7,546	6,650	6,028	5,853
Germany, West.....	8,591	8,254	7,941	7,315	7,447	—	—	—	—	—
Spain.....	7,878	7,373	7,204	7,490	7,791	7,503	8,009	7,846	7,862	7,571
Turkey.....	499	512	657	473	0	0	0	0	0	0
United Kingdom.....	2,382	2,302	2,248	2,201	1,928	1,942	1,737	1,128	1,051	1,047
Total.....	25,591	23,351	20,696	19,955	18,712	18,165	18,784	17,027	16,208	15,640
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	88	78	72	69	47	42	84	79	90	121
Former U.S.S.R.....	78,705	78,815	79,697	74,957	69,005	61,399	—	—	—	—
Russia.....	—	—	—	—	—	—	27,836	25,207	22,384	21,667
Ukraine.....	—	—	—	—	—	—	31,526	27,055	22,505	19,910
Total.....	78,793	78,894	79,769	75,027	69,052	61,441	59,446	52,341	44,979	41,698
Africa										
Morocco.....	854	699	702	556	580	607	635	666	693	722
South Africa.....	5,499	5,789	5,458	4,639	4,037	2,964	3,687	3,406	2,514	2,356
Swaziland.....	74	71	71	71	68	53	43	21	22	23
Total.....	6,428	6,559	6,230	5,265	4,685	3,624	4,365	4,093	3,229	3,101
Far East & Oceania										
China.....	203,652	212,019	223,339	240,227	234,627	239,753	243,555	253,475	268,684	281,581
Japan.....	636	481	387	313	246	238	239	219	224	204
Korea, North.....	45,195	45,746	46,297	47,069	47,069	47,399	47,399	47,951	48,502	48,744
Korea, South.....	26,734	26,758	26,781	22,912	18,978	16,598	13,195	10,409	8,199	6,305
New Zealand.....	269	197	139	100	98	143	193	167	157	164
Thailand.....	3	8	15	9	21	24	24	18	13	13
Vietnam.....	7,109	7,521	7,667	4,220	5,100	4,772	5,282	6,503	6,652	6,686
Total.....	283,598	292,729	304,624	314,849	306,139	308,927	309,887	318,742	332,431	343,698
World Total.....	398,718	405,104	414,894	418,463	402,106	395,610	395,971	396,531	401,498	408,259

¹ Preliminary.

--- Not applicable.

Notes: Sum of components may not equal total due to independent rounding.

No production is reported for Middle East.

Sources: See sources at the end of this Section.

Table 5.3 World Bituminous Coal Production, 1986 - 1995
(Thousand Short Tons)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	54,597	56,430	64,481	65,804	64,981	68,506	61,270	65,015	68,497	70,742
Mexico.....	7,291	8,853	7,904	8,491	6,659	6,057	6,729	7,292	9,809	10,230
United States.....	809,669	836,774	861,609	890,942	937,480	906,025	904,000	851,553	940,777	942,742
Total.....	871,557	902,056	933,993	965,237	1,009,120	980,589	971,998	923,860	1,019,082	1,023,714
Central & South America										
Argentina.....	402	411	563	568	298	322	237	184	198	208
Brazil.....	8,147	7,588	8,081	7,354	5,065	5,719	5,215	5,065	4,905	5,244
Chile.....	1,800	1,727	2,123	2,148	2,406	2,434	1,792	1,494	1,612	1,691
Colombia.....	11,905	16,087	16,865	20,836	22,562	25,904	26,015	25,787	27,539	28,916
Peru.....	154	105	186	188	101	60	93	94	115	120
Venezuela.....	63	262	1,182	2,347	2,413	2,819	2,734	4,289	5,226	5,482
Total.....	22,472	26,181	29,001	33,441	32,846	37,257	36,085	36,913	39,595	41,661
Western Europe										
Austria.....	3,273	3,071	2,347	2,277	2,698	2,294	1,952	1,864	1,533	1,227
Belgium.....	6,201	4,817	2,741	2,087	2,598	2,323	1,319	1,070	830	830
France.....	15,646	15,626	12,365	11,792	10,894	10,523	9,939	8,622	7,777	7,209
Germany.....	—	—	—	—	—	72,970	71,989	64,091	57,491	55,823
Germany, West.....	90,219	85,313	82,176	80,429	79,019	—	—	—	—	—
Greece.....	0	0	0	0	0	0	0	19	76	77
Ireland.....	60	50	46	47	28	1	1	1	(s)	(s)
Italy.....	13	15	44	82	64	23	18	11	6	6
Norway.....	482	440	291	397	334	364	396	295	332	321
Portugal.....	260	287	253	284	310	298	244	217	162	157
Spain.....	26,310	22,710	23,587	21,902	13,791	12,381	12,595	12,256	12,281	11,827
Sweden.....	13	28	33	22	12	31	41	4	1	1
Turkey.....	3,887	3,815	3,589	3,349	3,330	3,198	3,354	3,169	3,128	2,947
United Kingdom.....	116,778	112,780	112,503	109,242	104,055	104,632	93,139	75,177	52,944	51,313
Former Yugoslavia.....	14,888	13,794	13,490	13,589	12,957	11,309	—	—	—	—
Serbia and Montenegro.....	—	—	—	—	—	—	394	368	342	330
Total.....	278,029	262,746	253,466	245,499	230,090	220,347	195,380	167,164	136,901	132,066
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	5,783	5,894	5,394	5,210	4,194	3,767	4,092	3,914	3,835	3,650
Former Czechoslovakia.....	137,555	136,778	134,332	127,852	113,848	105,867	99,912	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	75,806	80,954	77,473
Slovakia.....	—	—	—	—	—	—	—	2,526	2,381	2,109
Hungary.....	17,798	17,219	16,800	15,594	13,348	12,840	11,979	11,045	10,661	10,438
Poland.....	211,732	212,758	212,763	195,807	162,851	154,738	145,086	143,828	147,310	147,604
Romania.....	10,479	10,962	11,026	10,078	5,606	4,827	5,769	4,376	4,987	4,656
Former U.S.S.R.....	569,123	576,950	581,579	560,856	640,222	472,671	—	—	—	—
Georgia.....	—	—	—	—	—	—	335	26	40	45
Kazakstan.....	—	—	—	—	—	—	134,924	118,521	110,478	88,044
Kyrgyzstan.....	—	—	—	—	—	—	1,764	2,094	1,323	937
Russia.....	—	—	—	—	—	—	238,209	214,510	185,299	179,897
Ukraine.....	—	—	—	—	—	—	109,358	95,924	77,916	68,936
Uzbekistan.....	—	—	—	—	—	—	198	177	157	132
Total.....	952,470	960,562	961,895	915,397	940,069	754,710	751,628	672,749	625,339	583,922

See footnotes at end of table.

Table 5.3 World Bituminous Coal Production, 1986 - 1995 (Continued)
(Thousand Short Tons)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Iran.....	1,391	1,367	1,389	1,323	1,433	1,543	1,653	1,609	1,653	1,654
Total.....	1,391	1,367	1,389	1,323	1,433	1,543	1,653	1,609	1,653	1,654
Africa										
Algeria.....	10	9	11	17	11	17	17	22	23	25
Botswana.....	550	638	671	698	875	882	893	882	919	958
Cameroon.....	1	1	1	1	1	1	1	1	1	1
Malawi.....	20	20	28	35	44	59	54	55	57	60
Mozambique.....	44	47	50	46	44	46	44	44	53	55
Niger.....	137	181	171	188	190	190	187	190	197	206
Nigeria.....	159	127	90	89	99	99	105	105	109	114
South Africa.....	189,267	188,826	194,458	189,833	189,145	193,463	188,194	199,639	213,325	224,952
Swaziland.....	116	111	111	111	108	83	67	34	35	37
Tanzania.....	4	3	3	3	4	4	4	4	4	5
Zaire.....	131	134	165	121	86	88	94	101	106	110
Zambia.....	614	510	692	438	416	419	435	441	460	479
Zimbabwe.....	4,461	5,338	5,583	5,634	5,465	6,169	6,115	5,805	6,080	6,335
Total.....	195,514	195,947	202,035	197,216	196,488	201,520	196,210	207,323	221,370	233,337
Far East & Oceania										
Afghanistan.....	176	184	152	140	116	104	88	77	78	79
Australia.....	147,030	162,831	148,599	162,897	175,085	181,489	193,048	195,060	194,093	212,028
Bhutan.....	1	2	2	2	2	2	2	2	2	2
Burma.....	41	43	33	43	34	40	37	35	36	37
China.....	746,562	774,286	816,328	874,563	905,582	909,539	934,925	1,013,902	1,074,736	1,126,323
India.....	197,814	198,306	200,643	207,510	217,839	235,134	244,316	271,214	274,468	288,466
Indonesia.....	3,070	3,550	4,643	9,246	11,870	15,118	23,311	30,406	32,474	41,469
Japan.....	14,624	14,037	13,382	12,220	11,068	9,335	8,379	7,717	7,867	7,183
Laos.....	1	1	1	1	1	1	1	1	1	1
Malaysia.....	24	96	98	120	122	198	209	287	299	300
Mongolia.....	548	722	761	763	761	744	700	689	718	721
New Zealand.....	2,292	2,551	2,488	2,908	2,577	2,617	2,859	3,057	2,870	2,999
Pakistan.....	2,331	2,377	3,006	2,887	3,465	3,366	3,388	3,455	3,523	3,273
Philippines.....	1,362	1,316	1,472	1,360	1,370	1,391	1,831	1,846	1,889	1,899
Taiwan.....	1,902	1,653	1,351	865	520	444	369	362	314	316
Total.....	1,117,777	1,161,954	1,192,960	1,275,525	1,330,412	1,359,523	1,413,464	1,528,109	1,593,369	1,685,096
World Total.....	3,439,209	3,510,813	3,574,738	3,633,637	3,740,458	3,555,489	3,566,419	3,537,728	3,637,310	3,701,450

¹ Preliminary.

-- Not applicable.

(s) = Value less than 500 short tons.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

Table 5.4 World Lignite Coal Production, 1986 - 1995
(Thousand Short Tons)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	9,128	11,045	13,391	11,921	10,369	9,899	11,053	11,074	11,778	11,839
United States.....	76,354	78,427	85,101	86,439	88,090	86,514	90,062	89,549	88,081	86,116
Total.....	85,482	89,472	98,492	98,360	98,459	96,413	101,115	100,623	99,859	97,955
Central & South America										
Chile.....	40	40	41	42	44	44	66	46	44	46
Total.....	40	40	41	42	44	44	66	46	44	46
Western Europe										
France.....	2,361	2,271	1,822	2,390	2,572	2,167	1,739	1,843	1,655	1,709
Germany.....	--	--	--	--	--	308,182	266,552	244,494	228,263	212,526
Germany, East.....	343,105	340,588	342,063	331,860	308,647	--	--	--	--	--
Germany, West.....	126,060	119,989	119,735	121,118	118,597	--	--	--	--	--
Greece.....	41,994	49,176	53,267	57,172	57,206	58,086	60,683	60,407	62,470	64,044
Italy.....	1,111	1,057	1,102	1,102	1,054	1,036	787	683	294	416
Spain.....	18,218	17,226	14,280	19,042	18,048	17,111	16,291	14,713	12,524	12,081
Turkey.....	46,610	47,285	38,953	53,752	48,950	47,628	53,339	50,359	56,805	56,780
Former Yugoslavia.....	62,114	64,977	66,509	68,637	70,652	66,727	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	6,924	5,539	3,240	3,133
Croatia.....	--	--	--	--	--	--	17	12	8	7
Macedonia, TFYR.....	--	--	--	--	--	--	5,924	5,332	3,118	3,016
Serbia and Montenegro.....	--	--	--	--	--	--	46,532	40,570	40,210	44,092
Slovenia.....	--	--	--	--	--	--	4,667	4,322	2,528	2,444
Total.....	641,574	642,568	637,732	655,073	625,725	500,938	463,455	428,274	411,115	400,228
Eastern Europe & Former U.S.S.R.										
Albania.....	2,388	2,352	2,407	2,417	2,282	1,198	403	237	186	88
Bulgaria.....	32,955	34,616	32,175	32,528	30,675	27,553	29,268	28,010	27,807	27,416
Former Czechoslovakia.....	3,524	4,059	3,976	4,011	3,643	3,403	1,987	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	1,367	1,190	1,139
Slovakia.....	--	--	--	--	--	--	--	1,039	882	827
Hungary.....	7,697	7,962	6,210	6,485	6,029	5,872	5,470	5,056	4,881	4,774
Poland.....	74,139	80,683	81,008	79,164	74,499	76,507	73,692	75,073	73,601	70,049
Romania.....	41,901	45,852	53,780	58,470	36,483	30,894	36,408	38,423	40,346	39,261
Former U.S.S.R.....	180,235	181,815	190,033	180,253	172,609	167,585	--	--	--	--
Estonia.....	--	--	--	--	--	--	20,777	16,441	16,017	15,488
Georgia.....	--	--	--	--	--	--	84	7	10	11
Kazakhstan.....	--	--	--	--	--	--	4,518	4,938	4,603	3,668
Kyrgyzstan.....	--	--	--	--	--	--	1,764	2,094	1,323	882
Russia.....	--	--	--	--	--	--	139,808	124,316	112,656	108,467
Tajikistan.....	--	--	--	--	--	--	287	197	122	35
Ukraine.....	--	--	--	--	--	--	6,370	4,572	3,748	2,524
Uzbekistan.....	--	--	--	--	--	--	4,962	4,029	4,069	3,276
Total.....	342,839	357,338	369,590	363,328	326,218	313,013	325,799	305,801	291,442	277,905
Far East & Oceania										
Australia.....	39,766	46,081	47,838	53,230	50,695	54,439	55,913	52,523	55,094	55,943
Burma.....	52	39	39	40	42	43	43	43	44	44
China.....	35,296	36,597	40,455	47,157	50,155	49,373	52,106	63,167	66,957	70,171
India.....	9,596	10,325	13,867	13,933	15,554	17,604	18,320	18,912	21,165	22,597
Japan.....	14	13	14	15	17	17	19	18	18	16
Korea, North.....	15,432	16,535	19,842	22,046	24,251	25,353	26,455	29,762	29,211	29,357
Mongolia.....	7,979	8,639	9,616	8,927	8,749	8,627	7,606	7,496	7,661	7,699
Nepal.....	6	6	10	12	12	13	11	12	13	13
New Zealand.....	215	95	192	175	177	191	197	194	278	276
Philippines.....	4	3	3	3	3	3	3	3	3	3
Thailand.....	6,036	7,607	8,002	9,812	13,692	16,192	16,904	17,119	18,831	18,925
Total.....	114,397	125,940	139,878	155,350	163,347	171,854	177,578	189,249	199,274	205,045
World Total.....	1,184,331	1,215,359	1,245,732	1,272,154	1,213,793	1,082,261	1,068,013	1,023,993	1,001,734	981,179

¹ Preliminary.

-- Not applicable.

Notes: Sum of components may not equal total due to independent rounding.

No production is reported for Middle East.

No production is reported for Africa.

Sources: See sources at the end of this Section.

Table 5.5 World Coal Supply and Disposition, 1994
(Trillion Btu)

Region Country	Production	Imports ¹	Exports ¹	Apparent Consumption ²
North America				
Canada.....	1,804	278	845	1,188
Mexico.....	190	23	(s)	209
United States ³	22,067	230	1,895	19,571
Total.....	24,061	530	2,740	20,967
Central & South America				
Argentina.....	4	28	3	29
Brazil.....	78	351	0	425
Chile.....	48	55	0	103
Colombia.....	645	0	505	131
Peru.....	3	11	0	14
Venezuela.....	153	3	142	15
Other.....	0	27	0	27
Total.....	931	475	650	744
Western Europe				
Austria.....	37	102	0	134
Belgium.....	14	403	42	385
Denmark.....	0	283	2	237
Finland.....	0	225	1	205
France.....	237	348	27	523
Germany.....	3,092	489	62	3,326
Greece.....	309	39	0	342
Italy.....	3	435	4	435
Luxembourg.....	0	38	0	38
Macedonia, TFYR.....	35	2	0	42
Netherlands.....	0	481	117	367
Norway.....	8	36	5	39
Portugal.....	2	126	(s)	128
Serbia and Montenegro.....	327	15	0	342
Slovenia.....	13	5	(s)	18
Spain.....	453	313	3	740
Sweden.....	(s)	113	1	110
Turkey.....	520	150	0	676
United Kingdom.....	1,127	500	51	2,190
Other.....	28	124	7	138
Total.....	6,205	4,227	322	10,413
Eastern Europe & Former U.S.S.R.				
Bulgaria.....	285	81	(s)	378
Czech Republic.....	1,719	60	271	1,485
Hungary.....	166	47	2	209
Poland.....	3,571	29	718	2,827
Romania.....	367	111	4	471
Slovakia.....	59	170	(s)	222
Belarus.....	0	26	0	33
Estonia.....	107	15	1	120
Kazakhstan.....	1,450	26	697	780
Kyrgyzstan.....	33	42	26	50
Latvia.....	0	11	3	9
Lithuania.....	0	17	1	16
Moldova.....	0	58	0	58
Russia.....	5,012	639	583	5,076
Turkmenistan.....	0	13	0	13
Ukraine.....	2,003	258	71	2,190
Uzbekistan.....	49	123	2	169
Other.....	4	17	0	20
Total.....	14,825	1,743	2,378	14,128

See footnotes at end of table.

Table 5.5 World Coal Supply and Disposition, 1994 (Continued)
(Trillion Btu)

Region Country	Production	Imports ¹	Exports ¹	Apparent Consumption ²
Middle East				
Iran.....	43	16	0	59
Israel.....	0	198	0	195
Other.....	0	4	0	4
Total.....	43	218	0	258
Africa				
Algeria.....	1	41	0	41
Botswana.....	20	(s)	0	21
Egypt.....	0	39	8	30
Kenya.....	0	4	0	4
Malawi.....	1	(s)	0	2
Mauritius.....	0	2	0	2
Morocco.....	21	49	0	72
Mozambique.....	1	1	0	2
Niger.....	5	0	0	5
Nigeria.....	3	(s)	0	3
South Africa.....	5,574	15	1,148	4,556
Swaziland.....	1	0	0	1
Tunisia.....	0	4	0	4
Zaire.....	3	4	0	7
Zambia.....	12	0	(s)	11
Zimbabwe.....	148	1	1	152
Other.....	(s)	1	0	1
Total.....	5,790	160	1,158	4,913
Far East & Oceania				
Afghanistan.....	2	0	0	2
Australia.....	4,403	0	2,966	1,315
Bangladesh.....	0	4	0	4
Bhutan.....	(s)	1	(s)	1
Burma.....	1	(s)	0	2
China.....	25,353	28	591	25,078
Hong Kong.....	0	180	0	185
India.....	5,015	294	2	5,366
Indonesia.....	792	11	683	185
Japan.....	171	3,398	88	3,470
Korea, North.....	1,625	70	11	1,684
Korea, South.....	133	1,060	(s)	1,110
Malaysia.....	7	79	2	85
Mongolia.....	78	4	5	77
Nepal.....	(s)	4	0	4
New Caledonia.....	0	5	0	5
New Zealand.....	74	(s)	24	45
Pakistan.....	68	29	0	97
Philippines.....	38	27	0	65
Singapore.....	0	1	(s)	1
Taiwan.....	7	692	0	658
Thailand.....	177	37	0	214
Vietnam.....	195	(s)	61	144
Other.....	(s)	1	0	1
Total.....	38,141	5,924	4,433	39,796
World Total.....	89,996	13,277	11,680	91,218

¹ Includes coke.

² Sum of production plus imports minus exports (from this Table) minus stock change.

³ United States apparent coal consumption differs from that published in the Monthly Energy Review (MER). Consumption was 19,614 trillion Btu in the October 1996 issue of the MER.

(s) = Value less than 0.5 trillion Btu.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

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Section 6

Electricity

Table 6.1 World Net Conventional Thermal Electricity Generation, 1986 - 1995
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	80.9	96.0	107.3	119.2	105.5	107.6	116.4	102.5	111.1	110.5
Mexico.....	73.7	82.0	84.2	88.7	85.7	89.7	88.7	93.6	111.0	104.5
United States.. ²	1,810.9	1,904.9	2,010.4	2,198.8	2,205.9	2,237.4	2,304.8	2,419.8	2,472.1	2,511.3
Other.....	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8
Total.....	1,966.2	2,083.6	2,202.6	2,407.2	2,397.8	2,435.4	2,510.6	2,616.7	2,695.0	2,727.1
Central & South America										
Argentina.....	20.9	22.4	29.6	30.5	24.0	28.1	27.8	28.8	28.7	28.7
Bahamas, The.....	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Bolivia.....	0.4	0.4	0.6	0.7	0.8	0.8	1.0	1.0	1.4	1.5
Brazil.....	10.6	9.5	8.6	8.6	7.8	8.5	9.4	9.3	10.0	10.5
Chile.....	3.3	3.3	5.1	7.7	6.0	6.4	5.3	6.0	7.8	8.5
Colombia.....	7.6	9.1	8.2	7.5	7.4	8.7	12.8	11.6	10.5	10.0
Costa Rica.....	0.1	0.1	0.1	(s)	(s)	0.2	0.6	0.4	0.8	1.1
Cuba.....	12.3	12.7	13.6	14.2	13.7	11.9	10.4	10.3	10.2	10.0
Dominican Republic.....	3.7	4.3	3.4	2.7	3.2	3.3	3.4	4.1	4.3	4.5
Ecuador.....	0.9	0.8	0.8	0.8	1.3	1.8	2.1	1.5	1.7	1.8
Guadeloupe.....	0.5	0.6	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0
Guatemala.....	0.1	0.3	0.3	0.2	0.2	0.3	0.6	1.1	1.1	1.0
Jamaica.....	1.5	1.7	1.7	1.9	2.2	1.9	2.0	3.5	3.6	3.8
Martinique.....	0.4	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9
Nicaragua.....	0.5	0.6	0.6	0.4	0.6	0.6	0.8	0.8	0.8	0.9
Panama.....	0.5	0.7	0.4	0.4	0.5	0.8	1.1	0.9	1.0	1.1
Peru.....	2.9	3.0	2.9	2.8	3.1	2.8	3.2	2.7	3.3	3.9
Puerto Rico.....	11.9	12.7	13.3	13.2	14.1	14.5	15.2	15.3	16.5	17.0
Trinidad and Tobago.....	3.1	3.3	3.3	3.2	3.4	3.5	3.7	3.6	3.7	3.9
Venezuela.....	23.5	21.9	22.6	21.6	21.2	14.9	17.9	22.5	20.4	19.0
Virgin Islands, U.S.....	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
Other.....	3.3	4.0	5.3	5.3	4.2	5.1	5.2	5.0	4.8	4.7
Total.....	109.7	113.3	123.3	124.8	117.0	117.4	125.7	132.0	134.5	135.7
Western Europe										
Austria.....	12.1	12.9	11.7	13.1	16.8	17.6	14.2	13.7	15.4	17.0
Belgium.....	16.8	18.8	19.9	23.9	25.6	26.4	26.0	26.2	28.6	29.9
Denmark.....	28.6	27.4	25.5	20.8	23.6	33.4	28.1	30.7	36.6	33.1
Finland.....	16.7	18.7	12.3	20.3	22.8	23.8	22.0	26.0	32.3	27.8
France.....	40.5	37.4	35.7	48.5	45.3	57.7	48.5	33.8	32.6	37.0
Germany.....	—	—	—	—	—	351.1	335.7	329.6	331.9	328.4
Germany, East.....	102.6	101.2	104.9	105.1	97.3	—	—	—	—	—
Germany, West.....	267.6	265.0	263.2	251.3	261.6	—	—	—	—	—
Greece.....	22.8	24.9	27.4	29.5	31.0	30.7	32.9	33.7	35.5	35.5
Ireland.....	10.1	11.1	11.1	12.0	12.7	13.3	14.1	14.4	14.9	15.9
Italy.....	127.3	145.9	130.8	159.8	167.9	162.9	166.1	163.8	169.5	184.1
Malta.....	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5
Netherlands.....	59.2	61.0	62.0	64.8	64.1	66.5	68.8	68.4	70.8	72.1
Portugal.....	11.0	10.3	8.3	18.6	18.0	19.4	23.5	21.1	19.4	23.1
Spain.....	63.8	59.5	46.6	66.9	67.0	67.5	76.9	70.2	72.4	79.0
Sweden.....	6.9	6.5	6.1	5.3	5.0	6.5	7.5	8.6	9.7	9.2
Switzerland.....	0.9	1.0	0.4	1.1	1.1	1.4	1.5	1.2	1.3	1.3
Turkey.....	24.7	21.6	17.8	28.2	32.3	35.2	38.3	37.4	44.8	47.7
United Kingdom.....	223.3	229.7	227.2	225.5	233.7	233.2	227.6	216.1	222.4	225.7
Former Yugoslavia.....	43.6	47.0	50.4	51.2	54.7	52.1	—	—	—	—
Bosnia and Herzegovina.....	—	—	—	—	—	—	8.7	8.4	0.6	0.4
Croatia.....	—	—	—	—	—	—	4.3	4.7	3.1	2.0
Macedonia, TFYR.....	—	—	—	—	—	—	4.9	4.4	4.5	4.7
Serbia and Montenegro.....	—	—	—	—	—	—	23.6	22.7	22.7	22.9
Slovenia.....	—	—	—	—	—	—	4.4	4.4	4.3	4.2
Other.....	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2
Total.....	1,080.5	1,101.9	1,063.2	1,148.2	1,182.8	1,201.1	1,180.1	1,142.3	1,176.1	1,203.8

See footnotes at end of table.

Table 6.1 World Net Conventional Thermal Electricity Generation, 1986 - 1995 (Continued)
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	0.4	0.3	0.2	0.2	0.3	0.2	0.1	0.2	0.1	0.1
Bulgaria.....	25.7	26.7	24.7	25.4	24.1	21.9	20.7	20.8	20.1	23.4
Former Czechoslovakia.....	59.1	55.2	56.1	56.7	54.6	52.9	51.2	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	42.0	41.3	39.4
Slovakia.....	--	--	--	--	--	--	--	8.1	7.5	7.2
Hungary.....	19.3	17.5	14.7	14.6	13.6	15.1	16.4	17.7	18.1	19.4
Poland.....	128.3	133.3	131.8	133.2	125.0	123.4	121.4	122.5	123.7	126.7
Romania.....	60.8	59.1	58.0	59.4	50.1	40.1	39.9	40.1	39.6	41.7
Former U.S.S.R.....	1,144.6	1,178.1	1,178.0	1,209.2	1,204.1	1,173.0	--	--	--	--
Armenia.....	--	--	--	--	--	--	5.6	1.9	2.0	2.1
Azerbaijan.....	--	--	--	--	--	--	16.9	15.7	14.9	14.2
Belarus.....	--	--	--	--	--	--	35.3	31.3	29.5	24.9
Estonia.....	--	--	--	--	--	--	11.1	8.6	8.6	8.1
Georgia.....	--	--	--	--	--	--	4.2	2.9	2.0	1.9
Kazakhstan.....	--	--	--	--	--	--	71.3	65.6	53.8	52.5
Kyrgyzstan.....	--	--	--	--	--	--	2.5	2.1	1.1	1.0
Latvia.....	--	--	--	--	--	--	1.2	1.0	1.0	1.0
Lithuania.....	--	--	--	--	--	--	3.5	1.4	1.5	2.1
Moldova.....	--	--	--	--	--	--	10.3	9.3	7.5	6.9
Russia.....	--	--	--	--	--	--	673.2	622.5	565.0	570.0
Tajikistan.....	--	--	--	--	--	--	0.8	0.6	0.6	0.5
Turkmenistan.....	--	--	--	--	--	--	12.4	11.9	9.9	9.2
Ukraine.....	--	--	--	--	--	--	160.4	134.8	114.5	101.7
Uzbekistan.....	--	--	--	--	--	--	42.0	39.8	38.1	37.3
Total.....	1,438.2	1,470.1	1,463.5	1,498.8	1,471.9	1,426.6	1,300.8	1,200.7	1,100.3	1,091.2
Middle East										
Bahrain.....	3.0	3.1	3.3	3.3	3.3	3.3	3.3	4.1	4.3	4.4
Cyprus.....	1.3	1.4	1.6	1.7	1.9	2.0	2.3	2.4	2.5	2.6
Iran.....	28.8	29.6	37.9	39.2	49.8	53.6	55.5	62.2	67.4	72.0
Iraq.....	20.4	22.2	25.1	26.6	26.8	19.3	23.1	24.2	24.9	25.5
Israel.....	15.0	16.4	18.2	19.2	19.6	20.2	23.2	24.4	26.6	28.0
Jordan.....	2.8	2.3	2.5	3.2	3.5	3.5	4.1	4.5	4.7	5.0
Kuwait.....	16.2	17.3	18.8	20.2	17.8	10.2	16.1	17.1	21.8	25.0
Lebanon.....	3.4	3.8	3.4	2.0	1.1	1.8	3.1	3.7	3.9	4.1
Oman.....	3.4	3.7	4.1	4.4	5.0	5.2	5.9	6.9	7.4	7.8
Qatar.....	4.0	4.2	4.2	4.4	4.6	4.4	4.9	5.2	5.5	5.8
Saudi Arabia.....	34.8	38.2	39.7	44.6	43.9	48.2	52.3	59.5	62.8	65.0
Syria.....	5.9	5.6	4.5	5.3	5.5	5.6	4.9	5.6	7.5	8.0
United Arab Emirates.....	12.0	12.8	14.0	14.7	16.1	16.2	16.4	16.5	17.7	18.0
Yemen.....	1.1	1.2	1.6	1.6	1.6	1.6	1.7	1.8	1.8	1.9
Total.....	152.2	161.7	178.7	190.4	200.4	195.1	216.8	238.1	258.9	273.1
Africa										
Algeria.....	12.0	12.5	13.9	14.2	15.0	16.0	17.0	17.9	18.5	19.0
Angola.....	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
Botswana.....	0.5	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0
Cote d'Ivoire (Ivory Coast).....	0.8	1.2	1.0	1.5	0.9	0.5	0.8	0.8	0.8	0.8
Egypt.....	25.6	28.6	27.6	29.8	31.5	34.0	35.0	37.4	39.4	40.0
Libya.....	12.5	14.7	15.0	15.1	15.8	15.9	15.9	16.0	16.7	17.0
Mauritius.....	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.9
Morocco.....	6.6	6.9	7.5	7.4	7.4	7.5	8.2	8.9	9.3	9.8
Nigeria.....	7.8	7.5	7.2	8.2	7.7	6.8	6.8	8.4	9.4	10.0
Reunion.....	0.1	0.1	0.3	0.3	0.3	0.5	0.6	0.6	0.6	0.6
Senegal.....	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
South Africa.....	114.3	122.9	123.8	128.3	134.7	135.7	136.8	145.5	148.0	151.7
Tunisia.....	3.9	4.2	4.6	4.8	5.2	5.3	5.7	6.0	6.0	6.1
Zimbabwe.....	2.8	5.2	5.4	5.4	6.0	5.7	5.6	6.0	5.0	4.1
Other.....	4.4	4.6	4.6	4.7	4.4	4.4	4.4	4.5	4.6	4.7
Total.....	192.9	210.8	213.2	222.0	231.7	235.2	239.8	254.7	261.3	266.9

See footnotes at end of table.

Table 6.1 World Net Conventional Thermal Electricity Generation, 1986 - 1995 (Continued)
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0.4	0.5	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
American Samoa.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Australia.....	101.9	108.5	117.1	124.2	131.8	132.3	135.2	137.9	141.3	147.4
Bangladesh.....	4.4	5.1	5.8	6.1	6.7	7.6	8.2	8.7	9.2	9.5
Bhutan.....	(s)	(s)	0.0	0.0	(s)	(s)	(s)	(s)	(s)	(s)
Brunei.....	0.9	0.9	1.0	1.1	1.2	1.2	1.2	1.2	1.2	1.3
Burma.....	1.1	1.2	1.2	1.3	1.2	1.4	1.4	1.6	1.8	2.1
Cambodia.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
China.....	333.8	373.3	409.8	438.3	465.2	519.3	585.3	644.6	684.2	700.0
Cook Islands.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Fiji.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
French Polynesia.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Guam.....	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Hong Kong.....	20.1	22.3	24.0	25.7	27.2	30.0	33.0	33.8	25.1	20.0
India.....	133.9	156.5	166.9	189.8	198.9	223.1	240.7	263.6	289.2	320.0
Indonesia.....	24.5	26.8	29.9	29.1	35.3	37.8	38.7	43.0	45.1	47.0
Japan.....	393.1	419.7	449.1	483.8	524.0	533.2	545.8	517.2	580.4	572.7
Kiribati.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Korea, North.....	19.7	19.8	20.2	20.4	20.4	20.4	13.2	13.2	12.7	12.2
Korea, South.....	30.3	27.5	39.3	40.0	45.5	53.8	65.4	75.5	96.1	105.4
Laos.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Macau.....	0.5	0.6	0.6	0.7	0.7	0.8	0.9	1.1	1.2	1.3
Malaysia.....	11.3	11.6	12.8	15.6	20.0	22.5	25.9	28.8	32.4	36.0
Maldives.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.1
Mongolia.....	2.8	3.0	3.1	3.4	3.3	3.2	3.1	3.0	3.1	3.2
Nauru.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Nepal.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
New Caledonia.....	0.7	0.7	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8
New Zealand.....	4.9	5.3	4.9	6.4	5.7	7.0	7.9	7.2	7.0	4.7
Niue.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Pakistan.....	15.0	16.7	20.4	21.9	25.1	26.9	30.7	31.5	35.0	38.0
Papua New Guinea.....	1.1	1.3	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
Philippines.....	10.9	11.2	11.9	13.2	13.2	13.0	13.2	13.2	13.4	13.6
Singapore.....	9.9	11.1	12.2	13.2	14.7	15.6	16.5	17.8	19.4	21.0
Solomon Islands.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Sri Lanka.....	(s)	0.5	0.2	0.1	(s)	0.2	0.3	0.2	0.3	0.4
Taiwan.....	25.8	26.6	36.1	46.5	46.4	55.2	59.7	70.1	76.6	79.1
Thailand.....	19.2	24.4	28.4	31.5	38.7	45.0	52.1	58.8	65.7	72.0
Tonga.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
U.S. Pacific Islands.....	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Vanuatu.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Vietnam.....	3.8	3.9	4.5	3.7	3.2	3.4	3.7	1.8	1.8	1.7
Western Samoa.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	1,171.7	1,280.4	1,403.3	1,519.8	1,632.3	1,757.0	1,886.0	1,977.7	2,146.3	2,212.7
World Total.....	6,111.3	6,421.8	6,647.7	7,111.2	7,233.9	7,367.7	7,459.7	7,562.1	7,772.4	7,910.5

¹ Preliminary.

² U.S. data include purchases from nonutilities.

-- Not applicable.

(s) = Value less than 50 million kilowatthours.

Notes: Sum of components may not equal total due to independent rounding.

Thermal generation consist of electricity generated from coal, oil, and gas.

Generation data consist of both utility and nonutility sources.

Sources: See sources at the end of this Section.

Table 6.2 World Total Net Electricity Consumption, 1986 - 1995
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	389.4	404.0	424.8	438.8	434.7	437.8	442.9	448.5	456.3	458.8
Mexico.....	88.8	95.3	100.3	108.1	106.6	110.8	114.4	119.6	129.4	133.9
United States..... ²	2,368.8	2,457.3	2,578.1	2,646.8	2,712.6	2,762.0	2,763.4	2,861.5	2,934.6	3,008.6
Other.....	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
Total.....	2,847.5	2,957.2	3,103.8	3,194.4	3,254.5	3,311.2	3,321.4	3,430.2	3,521.0	3,602.1
Central & South America										
Argentina.....	43.8	47.0	46.9	45.7	46.4	49.5	53.4	57.8	60.4	62.6
Bolivia.....	1.4	1.4	1.7	1.8	1.9	2.1	2.2	2.2	2.6	2.7
Brazil.....	197.2	203.8	214.9	225.1	228.6	242.1	246.3	262.5	272.3	283.3
Chile.....	13.6	14.2	15.3	16.0	16.6	18.1	20.3	21.8	22.9	22.8
Colombia.....	30.3	28.2	30.2	31.7	32.4	33.5	32.8	36.8	39.8	44.0
Costa Rica.....	2.8	3.0	3.1	3.2	3.4	3.5	3.7	4.0	4.3	4.2
Cuba.....	11.5	11.9	12.7	13.3	12.8	11.1	9.7	9.7	9.6	9.4
Dominican Republic.....	4.3	4.9	4.0	3.3	3.4	3.6	5.2	5.5	5.7	6.0
Ecuador.....	4.8	4.9	5.1	5.2	5.8	6.3	6.5	6.8	7.4	8.0
El Salvador.....	1.7	1.8	1.9	1.9	2.1	2.1	2.3	2.7	3.1	3.4
Guatemala.....	1.7	1.8	2.0	2.1	2.1	2.3	2.5	2.8	2.9	2.9
Honduras.....	1.3	1.2	1.8	1.9	2.1	2.1	2.1	2.3	2.5	2.6
Jamaica.....	1.5	1.7	1.7	1.9	2.2	1.9	1.9	3.3	3.4	3.6
Nicaragua.....	1.1	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.6
Panama.....	2.5	2.6	2.5	2.5	2.6	2.8	2.9	3.1	3.2	3.4
Peru.....	12.0	12.8	12.3	12.2	12.6	13.2	11.9	13.1	13.8	14.5
Puerto Rico.....	11.3	12.0	12.6	12.5	13.4	13.8	14.4	14.5	15.6	16.1
Suriname.....	1.1	0.6	0.8	1.2	1.5	1.5	1.6	1.6	1.5	1.5
Trinidad and Tobago.....	2.9	3.1	3.1	3.0	3.1	3.3	3.5	3.3	3.5	3.6
Uruguay.....	3.7	4.0	4.3	4.1	5.6	4.6	4.8	5.1	5.5	5.4
Venezuela.....	45.0	48.8	52.5	52.0	53.7	54.5	59.6	64.3	66.0	68.5
Virgin Islands, U.S.....	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9
Other.....	5.4	6.7	6.6	5.4	5.4	5.7	6.0	6.6	6.1	6.2
Total.....	401.6	418.6	438.0	448.3	460.3	479.8	496.0	532.0	554.5	577.5
Western Europe										
Austria.....	38.2	30.0	40.8	42.1	44.2	46.1	45.8	45.8	46.4	47.6
Belgium.....	50.4	52.7	54.7	56.3	58.1	60.7	63.0	63.9	66.8	68.8
Denmark.....	26.9	28.1	28.2	29.2	29.4	29.8	30.7	30.7	30.2	31.0
Finland.....	49.4	52.9	48.3	56.5	58.8	58.6	59.7	61.8	64.6	62.9
France.....	292.5	301.5	307.9	314.8	323.1	346.5	353.0	354.4	356.8	364.8
Germany.....	—	—	—	—	—	469.1	463.0	459.4	463.0	465.9
Germany, East.....	108.2	109.5	111.1	110.4	97.7	—	—	—	—	—
Germany, West.....	380.7	388.7	397.0	379.8	386.9	—	—	—	—	—
Greece.....	25.5	26.4	28.0	29.6	31.2	32.0	33.2	34.3	35.8	36.9
Iceland.....	3.8	3.9	4.1	4.2	4.1	4.1	4.2	4.3	4.4	4.6
Ireland.....	10.3	11.0	11.1	11.8	12.5	13.1	13.8	14.2	14.8	15.4
Italy.....	188.4	197.9	193.0	216.4	222.4	228.2	231.9	233.5	239.6	246.9
Luxembourg.....	4.0	4.1	4.3	4.4	4.5	4.8	4.5	4.6	5.0	5.4
Netherlands.....	60.9	63.5	66.7	68.8	71.0	74.1	76.3	77.7	80.3	82.3
Norway.....	91.1	95.3	95.2	94.7	96.0	99.0	99.1	102.4	103.9	106.5
Portugal.....	19.9	21.0	21.3	23.8	25.2	26.5	27.5	27.7	28.8	30.2
Spain.....	117.2	117.3	119.3	128.1	133.6	136.8	138.9	138.6	144.1	147.9
Sweden.....	119.9	127.7	128.2	128.8	129.9	131.4	129.8	130.4	128.1	131.1
Switzerland.....	41.2	42.5	43.7	45.9	47.0	48.1	47.9	47.5	46.9	48.3
Turkey.....	34.6	37.7	43.4	43.2	50.5	53.8	60.0	65.7	69.4	76.5
United Kingdom.....	264.5	273.9	280.5	285.9	288.4	295.9	297.6	293.4	299.3	301.9
Former Yugoslavia.....	70.3	72.2	72.9	73.0	72.8	65.5	—	—	—	—
Bosnia and Herzegovina.....	—	—	—	—	—	—	11.0	10.2	1.9	1.5
Croatia.....	—	—	—	—	—	—	10.9	10.7	11.1	10.3
Macedonia, TFYR.....	—	—	—	—	—	—	5.6	5.2	5.0	5.2
Serbia and Montenegro.....	—	—	—	—	—	—	33.5	30.3	31.4	31.1
Slovenia.....	—	—	—	—	—	—	8.9	9.0	11.4	11.0
Other.....	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.6	1.6
Total.....	1,998.8	2,058.5	2,100.8	2,149.0	2,188.7	2,225.5	2,251.3	2,257.2	2,290.8	2,335.6

See footnotes at end of table.

Table 6.2 World Total Net Electricity Consumption, 1986 - 1995 (Continued)
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	2.9	3.5	3.3	3.4	3.4	2.7	2.6	3.1	3.6	4.2
Bulgaria.....	40.6	42.4	43.8	44.4	40.5	36.3	33.9	33.6	33.5	39.4
Former Czechoslovakia.....	76.8	78.7	79.7	81.1	80.7	76.4	70.9	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	49.6	51.1	49.2
Slovakia.....	—	—	—	—	—	—	—	23.9	24.2	23.9
Hungary.....	35.1	36.7	36.9	37.0	36.3	33.8	31.1	31.3	31.5	33.0
Poland.....	122.9	129.4	130.9	129.1	118.3	115.3	111.9	114.8	115.9	121.2
Romania.....	70.9	70.4	73.5	74.7	66.2	55.5	52.1	51.0	49.6	52.1
Former U.S.S.R.....	1,375.1	1,427.9	1,459.9	1,491.0	1,488.4	1,475.3	—	—	—	—
Armenia.....	—	—	—	—	—	—	8.3	5.7	5.1	5.2
Azerbaijan.....	—	—	—	—	—	—	16.8	16.9	15.8	15.2
Belarus.....	—	—	—	—	—	—	39.3	35.2	31.4	26.7
Estonia.....	—	—	—	—	—	—	7.1	6.6	6.9	6.5
Georgia.....	—	—	—	—	—	—	10.9	9.9	7.1	6.3
Kazakhstan.....	—	—	—	—	—	—	86.2	83.4	64.9	60.9
Kyrgyzstan.....	—	—	—	—	—	—	8.8	9.3	9.4	9.1
Latvia.....	—	—	—	—	—	—	7.5	6.1	5.8	6.1
Lithuania.....	—	—	—	—	—	—	11.2	10.3	10.1	8.3
Moldova.....	—	—	—	—	—	—	9.8	6.9	7.8	5.7
Russia.....	—	—	—	—	—	—	873.9	826.8	754.4	766.6
Tajikistan.....	—	—	—	—	—	—	16.3	15.1	14.8	13.1
Turkmenistan.....	—	—	—	—	—	—	8.6	7.9	6.6	7.6
Ukraine.....	—	—	—	—	—	—	216.7	200.6	177.7	167.5
Uzbekistan.....	—	—	—	—	—	—	44.2	40.9	43.6	45.5
Total.....	1,724.3	1,789.1	1,828.0	1,860.7	1,833.8	1,795.4	1,668.0	1,588.8	1,470.9	1,473.2
Middle East										
Bahrain.....	2.8	2.9	3.0	3.1	3.1	3.1	3.1	3.8	4.0	4.1
Cyprus.....	1.2	1.3	1.5	1.6	1.7	1.8	2.1	2.3	2.3	2.4
Iran.....	32.5	33.4	41.2	42.6	51.9	56.4	60.4	66.9	69.5	73.5
Iraq.....	19.5	21.2	24.0	25.3	25.5	18.2	22.1	23.0	23.7	24.2
Israel.....	13.6	14.9	16.5	17.5	17.9	18.4	21.2	22.4	24.4	25.7
Jordan.....	2.4	1.8	2.3	3.0	3.2	3.4	4.0	4.3	4.6	4.8
Kuwait.....	15.1	16.1	17.5	18.8	16.5	9.5	14.9	15.9	20.2	23.3
Lebanon.....	4.2	4.8	4.1	2.7	1.9	2.3	3.7	4.2	4.5	4.8
Oman.....	3.2	3.4	3.9	4.1	4.7	4.8	5.5	6.4	6.9	7.3
Qatar.....	3.8	3.9	3.9	4.1	4.2	4.1	4.5	4.9	5.1	5.4
Saudi Arabia.....	32.4	35.5	36.9	41.5	40.8	44.8	48.6	55.4	58.4	60.5
Syria.....	7.0	7.1	8.6	9.2	10.3	11.0	11.4	11.4	13.3	13.9
United Arab Emirates.....	11.2	11.9	13.0	13.6	14.9	15.1	15.3	15.4	16.5	16.7
Yemen.....	1.0	1.1	1.5	1.5	1.5	1.5	1.6	1.7	1.7	1.7
Total.....	149.8	159.3	177.8	188.6	198.2	194.5	218.5	237.9	255.2	268.2
Africa										
Algeria.....	11.3	12.1	13.1	13.4	14.0	14.5	15.1	15.8	16.3	16.6
Angola.....	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Cameroon.....	2.2	2.2	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Cote d'Ivoire (Ivory Coast).....	1.9	2.2	2.1	2.9	2.1	1.6	1.7	1.7	1.7	1.7
Egypt.....	31.1	34.2	32.9	35.1	38.5	39.6	40.5	42.6	44.5	45.1
Ghana.....	3.9	4.1	4.2	4.6	5.2	5.4	5.4	5.4	5.4	5.4
Kenya.....	2.3	2.4	2.7	2.8	2.9	3.1	3.1	3.4	3.5	3.6
Libya.....	11.6	13.6	14.0	14.1	14.7	14.8	14.8	14.9	15.6	15.8
Morocco.....	6.8	7.2	7.9	8.0	8.1	8.7	9.5	10.0	10.6	11.2
Nigeria.....	10.5	9.9	10.3	11.3	11.1	11.3	11.4	12.9	13.7	14.3
South Africa.....	116.0	121.6	127.8	132.2	132.5	134.7	134.8	139.6	145.0	149.1
Tunisia.....	3.7	4.0	4.3	4.4	4.8	5.0	5.4	5.6	5.7	5.7
Zaire.....	4.8	4.8	4.8	5.4	4.7	4.8	4.9	4.1	4.1	3.8
Zambia.....	6.0	6.4	6.3	4.8	5.7	5.7	5.8	5.8	5.8	5.8
Zimbabwe.....	7.9	8.1	8.3	8.4	10.2	9.6	9.5	9.0	8.5	8.3
Other.....	12.3	12.9	13.2	13.7	15.2	15.8	15.9	17.3	17.4	17.9
Total.....	233.9	247.2	255.9	265.1	273.9	279.0	281.8	292.1	302.0	308.7

See footnotes at end of table.

Table 6.2 World Total Net Electricity Consumption, 1986 - 1995 (Continued)
(Billion Kilowatthours)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	1.1	1.1	1.0	1.0	1.0	1.0	0.8	0.7	0.8	0.7
American Samoa.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Australia.....	108.2	113.5	121.4	128.8	135.6	137.6	139.9	143.6	146.7	151.7
Bangladesh.....	4.5	5.2	6.0	6.5	7.1	7.8	8.4	8.7	9.3	9.8
Bhutan.....	(s)	(s)	0.1	(s)	(s)	0.1	0.1	0.1	0.1	0.1
Brunei.....	0.8	0.9	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2
Burma.....	2.0	2.1	2.0	2.2	2.2	2.4	2.7	3.0	3.1	3.3
Cambodia.....	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
China.....	398.6	440.7	483.1	518.2	550.9	600.9	670.6	744.5	796.6	823.0
Fiji.....	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
French Polynesia.....	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Guam.....	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Hong Kong.....	17.5	19.4	20.9	22.2	23.5	24.8	25.7	27.3	25.4	20.6
India.....	178.6	194.5	214.4	238.1	257.1	280.6	295.1	316.9	340.3	371.8
Indonesia.....	29.8	32.7	36.4	35.9	43.2	45.5	48.6	52.1	54.2	58.2
Japan.....	588.9	635.8	664.2	697.9	740.6	775.8	782.4	790.8	841.2	865.4
Korea, North.....	45.0	45.2	47.8	48.2	48.2	48.2	34.3	34.3	33.4	32.7
Korea, South.....	56.7	64.9	75.0	83.2	94.9	104.5	115.2	127.1	145.0	162.3
Laos.....	0.1	0.2	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.2
Macau.....	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.3
Malaysia.....	14.1	15.3	17.1	19.2	22.3	25.0	28.1	31.4	35.3	39.1
Mongolia.....	2.7	2.8	3.0	3.3	3.2	3.1	3.0	2.8	3.0	3.0
Nepal.....	0.5	0.5	0.6	0.6	0.7	0.8	0.9	0.8	0.9	0.9
New Caledonia.....	1.0	0.9	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.1
New Zealand.....	26.0	26.5	27.2	28.1	28.8	29.7	28.3	30.2	31.9	31.3
Pakistan.....	27.0	30.0	34.5	36.0	39.2	42.3	46.2	49.1	50.9	53.0
Papua New Guinea.....	1.5	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Philippines.....	19.8	19.3	21.1	22.9	22.7	22.8	23.0	23.1	23.5	23.9
Singapore.....	9.2	10.3	11.4	12.3	13.7	14.5	15.3	16.5	18.0	19.4
Sri Lanka.....	2.4	2.5	2.6	2.6	2.9	3.1	2.9	3.7	4.0	4.3
Taiwan.....	54.9	60.9	66.6	74.6	80.1	87.7	92.0	100.7	109.0	113.3
Thailand.....	23.7	26.8	30.3	35.1	41.2	46.8	53.0	58.6	65.8	72.6
U.S. Pacific Islands.....	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Vietnam.....	5.1	5.4	6.0	7.0	7.9	8.4	8.8	9.9	11.0	11.4
Western Samoa.....	(s)	(s)	(s)	(s)	(s)	(s)	0.1	0.1	0.1	0.1
Other.....	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Total.....	1,622.1	1,761.2	1,898.6	2,030.4	2,173.8	2,320.1	2,432.4	2,583.0	2,756.6	2,877.7
World Total.....	8,978.0	9,391.1	9,802.9	10,136.5	10,383.2	10,605.4	10,669.3	10,921.3	11,151.0	11,443.0

¹ Preliminary.

² There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

-- Not applicable.

(s) = Value less than 50 million kilowatthours.

Notes: Sum of components may not equal total due to independent rounding.

Consumption equals generation plus imports minus exports minus distribution losses.

Sources: See sources at the end of this Section.

Table 6.3 World Net Electricity Generation by Type, 1994
(Billion Kilowatthours)

Region Country	Thermal ¹	Hydro	Nuclear	Geothermal and Other ²	Total
North America					
Canada.....	111.1	324.7	101.7	0.1	537.7
Mexico.....	111.0	19.8	4.0	5.3	140.2
United States.....	2,472.1	270.0	640.5	77.2	3,459.8
Other.....	0.8	0.0	0.0	0.0	0.8
Total.....	2,695.0	614.6	746.2	82.6	4,138.4
Central & South America					
Argentina.....	28.7	27.1	7.8	0.0	63.6
Bolivia.....	1.4	1.4	0.0	0.0	2.8
Brazil.....	10.0	240.5	0.1	6.7	257.2
Chile.....	7.8	16.8	0.0	0.0	24.6
Colombia.....	10.5	32.0	0.0	0.0	42.5
Costa Rica.....	0.8	3.5	0.0	0.3	4.7
Cuba.....	10.2	0.1	0.0	0.0	10.3
Dominican Republic.....	4.3	1.9	0.0	0.0	6.2
Ecuador.....	1.7	6.3	0.0	0.0	8.0
El Salvador.....	0.7	2.0	0.0	0.5	3.2
Guadeloupe.....	0.9	0.0	0.0	0.0	0.9
Guatemala.....	1.1	2.0	0.0	0.0	3.1
Honduras.....	0.2	2.4	0.0	0.0	2.6
Jamaica.....	3.6	0.1	0.0	0.0	3.7
Nicaragua.....	0.8	0.3	0.0	0.5	1.7
Panama.....	1.0	2.4	0.0	0.0	3.4
Paraguay.....	(s)	35.5	0.0	0.0	35.5
Peru.....	3.3	11.5	0.0	0.0	14.8
Puerto Rico.....	16.5	0.3	0.0	0.0	16.8
Suriname.....	0.2	1.4	0.0	0.0	1.7
Trinidad and Tobago.....	3.7	0.0	0.0	0.0	3.7
Uruguay.....	0.3	7.4	0.0	0.0	7.7
Venezuela.....	20.4	50.9	0.0	0.0	71.3
Virgin Islands, U.S.....	1.0	0.0	0.0	0.0	1.0
Other.....	5.1	0.2	0.0	0.0	5.3
Total.....	134.5	446.0	7.9	8.0	596.3
Western Europe					
Austria.....	15.4	35.3	0.0	0.0	50.7
Belgium.....	28.6	0.3	38.6	(s)	67.5
Bosnia and Herzegovina....	0.6	1.2	0.0	0.0	1.9
Croatia.....	3.1	4.9	0.0	0.0	8.0
Denmark.....	36.6	(s)	0.0	1.1	37.7
Finland.....	32.3	11.7	18.5	0.0	62.4
France.....	32.6	76.5	342.0	0.5	451.6
Germany.....	331.9	18.3	143.6	1.3	495.3
Greece.....	35.5	2.6	0.0	(s)	38.1
Iceland.....	(s)	4.5	0.0	0.2	4.7
Ireland.....	14.9	0.9	0.0	(s)	15.9
Italy.....	169.5	44.2	0.0	3.5	217.2
Macedonia, TFYR.....	4.5	0.7	0.0	0.0	5.2
Malta.....	1.4	0.0	0.0	0.0	1.4
Netherlands.....	70.8	0.1	3.8	0.2	74.9
Norway.....	0.6	111.2	0.0	(s)	111.9
Portugal.....	19.4	10.6	0.0	(s)	30.0
Serbia and Montenegro.....	22.7	11.0	0.0	0.0	33.8
Slovenia.....	4.3	3.4	4.3	0.0	12.0
Spain.....	72.4	27.9	52.5	0.1	153.0
Sweden.....	9.7	58.2	69.5	0.1	137.4
Switzerland.....	1.3	38.6	23.1	(s)	63.1
Turkey.....	44.8	30.3	0.0	0.1	75.1
United Kingdom.....	222.4	5.0	76.0	0.3	303.7
Other.....	0.7	0.2	0.0	0.0	0.9
Total.....	1,176.1	497.6	771.9	7.7	2,453.4

See footnotes at end of table.

Table 6.3 World Net Electricity Generation by Type, 1994 (Continued)
(Billion Kilowatthours)

Region Country	Thermal ¹	Hydro	Nuclear	Geothermal and Other ²	Total
Eastern Europe & Former U.S.S.R.					
Albania.....	0.1	3.7	0.0	0.0	3.9
Bulgaria.....	20.1	1.5	14.6	0.0	36.1
Czech Republic.....	41.3	1.8	12.3	0.0	55.4
Hungary.....	18.1	0.2	13.3	0.0	31.6
Poland.....	123.7	3.7	0.0	0.0	127.4
Romania.....	39.6	12.9	0.0	0.0	52.5
Slovakia.....	7.5	4.6	11.5	0.0	23.6
Armenia.....	2.0	3.5	0.0	0.0	5.5
Azerbaijan.....	14.9	1.8	0.0	0.0	16.6
Belarus.....	29.5	(s)	0.0	0.0	29.5
Estonia.....	8.6	(s)	0.0	0.0	8.6
Georgia.....	2.0	4.7	0.0	0.0	6.6
Kazakhstan.....	53.8	9.1	0.4	0.0	63.2
Kyrgyzstan.....	1.1	11.6	0.0	0.0	12.7
Latvia.....	1.0	3.3	0.0	0.0	4.3
Lithuania.....	1.5	0.7	7.3	0.0	9.6
Moldova.....	7.5	0.3	0.0	0.0	7.7
Russia.....	565.0	175.2	92.9	(s)	833.2
Tajikistan.....	0.6	16.2	0.0	0.0	16.8
Turkmenistan.....	9.9	(s)	0.0	0.0	9.9
Ukraine.....	114.5	11.7	65.4	0.0	191.6
Uzbekistan.....	38.1	7.1	0.0	0.0	45.2
Total.....	1,100.3	273.4	217.7	(s)	1,591.4
Middle East					
Bahrain.....	4.3	0.0	0.0	0.0	4.3
Cyprus.....	2.5	0.0	0.0	0.0	2.5
Iran.....	67.4	7.4	0.0	0.0	74.8
Iraq.....	24.9	0.6	0.0	0.0	25.5
Israel.....	26.6	(s)	0.0	0.0	26.6
Jordan.....	4.7	(s)	0.0	(s)	4.8
Kuwait.....	21.8	0.0	0.0	0.0	21.8
Lebanon.....	3.9	0.8	0.0	0.0	4.7
Oman.....	7.4	0.0	0.0	0.0	7.4
Qatar.....	5.5	0.0	0.0	0.0	5.5
Saudi Arabia.....	62.8	0.0	0.0	0.0	62.8
Syria.....	7.5	6.7	0.0	0.0	14.3
United Arab Emirates.....	17.7	0.0	0.0	0.0	17.7
Yemen.....	1.8	0.0	0.0	0.0	1.8
Total.....	258.9	15.5	0.0	(s)	274.4
Africa					
Algeria.....	18.5	0.2	0.0	0.0	18.7
Angola.....	0.5	1.4	0.0	0.0	1.8
Botswana.....	1.0	0.0	0.0	0.0	1.0
Cameroon.....	0.1	2.6	0.0	0.0	2.7
Cote d'Ivoire (Ivory Coast).....	0.8	1.1	0.0	0.0	1.9
Egypt.....	39.4	8.5	0.0	0.0	47.9
Ethiopia.....	0.1	1.1	0.0	0.1	1.3
Ghana.....	(s)	6.1	0.0	0.0	6.1
Kenya.....	0.2	3.0	0.0	0.2	3.5
Libya.....	16.7	0.0	0.0	0.0	16.7
Morocco.....	9.3	0.8	0.0	0.0	10.2
Nigeria.....	9.4	5.5	0.0	0.0	14.9
Reunion.....	0.6	0.5	0.0	0.0	1.1
South Africa.....	148.0	1.1	9.7	0.0	158.8
Sudan.....	0.4	0.9	0.0	0.0	1.3
Tunisia.....	6.0	0.1	0.0	0.0	6.1
Zaire.....	0.1	5.4	0.0	0.0	5.5
Zambia.....	(s)	7.7	0.0	0.0	7.8
Zimbabwe.....	5.0	2.4	0.0	0.0	7.3
Other.....	5.2	5.1	0.0	0.0	10.3
Total.....	261.3	53.4	9.7	0.3	324.8

See footnotes at end of table.

Table 6.3 World Net Electricity Generation by Type, 1994 (Continued)
(Billion Kilowatthours)

Region Country	Thermal ¹	Hydro	Nuclear	Geothermal and Other ²	Total
Far East & Oceania					
Afghanistan.....	0.2	0.5	0.0	0.0	0.7
American Samoa.....	0.1	0.0	0.0	0.0	0.1
Australia.....	141.3	16.4	0.0	(s)	157.8
Bangladesh.....	9.2	0.8	0.0	0.0	10.0
Bhutan.....	(s)	1.7	0.0	0.0	1.7
Brunei.....	1.2	0.0	0.0	0.0	1.2
Burma.....	1.8	1.6	0.0	0.0	3.4
Cambodia.....	0.1	0.1	0.0	0.0	0.2
China.....	684.2	161.3	13.5	0.0	859.0
Cook Islands.....	(s)	0.0	0.0	0.0	(s)
Fiji.....	0.1	0.4	0.0	0.0	0.5
French Polynesia.....	0.2	0.1	0.0	0.0	0.3
Guam.....	0.8	0.0	0.0	0.0	0.8
Hong Kong.....	25.1	0.0	0.0	0.0	25.1
India.....	289.2	70.4	4.7	0.1	364.4
Indonesia.....	45.1	12.1	0.0	1.1	58.3
Japan.....	580.4	66.6	255.7	1.8	904.5
Kiribati.....	(s)	0.0	0.0	0.0	(s)
Korea, North.....	12.7	23.3	0.0	0.0	36.0
Korea, South.....	96.1	4.1	55.7	0.0	155.9
Laos.....	(s)	0.9	0.0	0.0	0.9
Macau.....	1.2	0.0	0.0	0.0	1.2
Malaysia.....	32.4	5.4	0.0	0.0	37.9
Maldives.....	(s)	0.0	0.0	0.0	(s)
Mongolia.....	3.1	0.0	0.0	0.0	3.1
Nauru.....	(s)	0.0	0.0	0.0	(s)
Nepal.....	(s)	0.9	0.0	0.0	0.9
New Caledonia.....	0.8	0.3	0.0	0.0	1.1
New Zealand.....	7.0	25.3	0.0	1.9	34.3
Niue.....	(s)	0.0	0.0	0.0	(s)
Pakistan.....	35.0	19.2	0.6	0.0	54.8
Papua New Guinea.....	1.3	0.5	0.0	0.0	1.7
Philippines.....	13.4	6.3	0.0	5.5	25.2
Singapore.....	19.4	0.0	0.0	0.0	19.4
Solomon Islands.....	(s)	0.0	0.0	0.0	(s)
Sri Lanka.....	0.3	4.0	0.0	0.0	4.3
Taiwan.....	76.6	8.8	31.8	0.0	117.2
Thailand.....	65.7	4.5	0.0	0.0	70.2
Tonga.....	(s)	0.0	0.0	0.0	(s)
U.S. Pacific Islands.....	0.2	(s)	0.0	0.0	0.2
Vanuatu.....	(s)	0.0	0.0	0.0	(s)
Vietnam.....	1.8	9.4	0.0	0.6	11.8
Western Samoa.....	(s)	(s)	0.0	0.0	0.1
Total.....	2,146.3	444.8	362.0	11.0	2,964.1
World Total.....	7,772.4	2,345.4	2,115.4	109.5	12,342.7

¹ Thermal generation consists of electricity generated from coal, oil, and gas.

² Geothermal and Other consists of geothermal, biomass, wind, photovoltaic, and solar thermal generation.

(s)=Value less than 50 million kilowatthours.

Notes: Generation data consist of both utility and nonutility sources. Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

Table 6.4 World Electricity Installed Capacity by Type, January 1, 1995
(Million Kilowatts)

Region Country	Thermal ¹	Hydro	Nuclear	Geothermal and Other ²	Total
North America					
Canada.....	34	63	16	(s)	114
Mexico.....	24	9	1	1	35
United States.....	548	78	99	15	742
Other.....	(s)	0	0	0	(s)
Total.....	607	151	117	16	891
Central & South America					
Argentina.....	11	8	1	0	20
Brazil.....	5	50	1	2	58
Chile.....	2	3	0	0	6
Colombia.....	3	8	0	0	11
Cuba.....	4	(s)	0	0	4
Paraguay.....	(s)	6	0	0	7
Peru.....	2	2	0	0	4
Puerto Rico.....	4	(s)	0	0	4
Venezuela.....	8	11	0	0	19
Other.....	10	6	0	(s)	16
Total.....	49	95	2	2	148
Western Europe					
Austria.....	6	11	0	0	17
Belgium.....	8	(s)	6	(s)	14
Croatia.....	2	2	0	0	4
Denmark.....	10	(s)	0	1	11
Finland.....	9	3	2	0	14
France.....	23	21	59	(s)	103
Germany.....	83	4	23	(s)	110
Greece.....	6	2	0	(s)	9
Ireland.....	3	(s)	0	(s)	4
Italy.....	44	13	0	(s)	57
Netherlands.....	18	(s)	1	(s)	18
Norway.....	(s)	26	0	(s)	26
Portugal.....	5	4	0	(s)	9
Serbia and Montenegro.....	8	4	0	0	12
Spain.....	21	12	7	(s)	40
Sweden.....	9	17	10	(s)	35
Switzerland.....	1	10	3	(s)	14
Turkey.....	11	10	0	(s)	21
United Kingdom.....	53	1	12	(s)	66
Other.....	4	3	1	(s)	8
Total.....	323	144	122	2	591
Eastern Europe & Former U.S.S.R.					
Bulgaria.....	7	1	4	0	12
Czech Republic.....	11	1	2	0	14
Hungary.....	5	(s)	2	0	7
Poland.....	28	2	0	0	30
Romania.....	16	6	0	0	22
Slovakia.....	4	2	2	0	7
Armenia.....	2	1	0	0	3
Azerbaijan.....	4	1	0	0	5
Belarus.....	7	(s)	0	0	7
Estonia.....	3	0	0	0	3
Georgia.....	2	3	0	0	5
Kazakstan.....	17	2	(s)	0	19
Kyrgyzstan.....	1	3	0	0	4
Lithuania.....	3	(s)	2	0	5
Russia.....	150	44	21	(s)	215
Tajikistan.....	(s)	4	0	0	4
Turkmenistan.....	4	(s)	0	0	4
Ukraine.....	37	5	13	0	54
Uzbekistan.....	10	2	0	0	12
Other.....	3	3	0	0	7
Total.....	313	80	45	(s)	438

See footnotes at end of table.

Table 6.4 World Electricity Installed Capacity by Type, January 1, 1995 (Continued)
(Million Kilowatts)

Region Country	Thermal ¹	Hydro	Nuclear	Geothermal and Other ²	Total
Middle East					
Bahrain.....	1	0	0	0	1
Cyprus.....	1	0	0	0	1
Iran.....	23	2	0	0	25
Iraq.....	6	1	0	0	7
Israel.....	4	(s)	0	0	4
Jordan.....	1	(s)	0	(s)	1
Kuwait.....	7	0	0	0	7
Lebanon.....	1	(s)	0	0	1
Oman.....	2	0	0	0	2
Qatar.....	1	0	0	0	1
Saudi Arabia.....	21	0	0	0	21
Syria.....	3	1	0	0	4
United Arab Emirates.....	5	0	0	0	5
Yemen.....	1	0	0	0	1
Total.....	78	4	0	(s)	82
Africa					
Algeria.....	6	(s)	0	0	6
Angola.....	(s)	(s)	0	0	1
Cameroon.....	(s)	1	0	0	1
Cote d'Ivoire (Ivory Coast).....	(s)	1	0	0	1
Egypt.....	10	3	0	0	13
Ghana.....	(s)	1	0	0	1
Kenya.....	(s)	1	0	(s)	1
Libya.....	5	0	0	0	5
Morocco.....	3	1	0	0	4
Mozambique.....	(s)	2	0	0	2
Nigeria.....	4	2	0	0	6
South Africa.....	32	1	2	0	35
Sudan.....	(s)	(s)	0	0	1
Tanzania.....	(s)	(s)	0	0	(s)
Tunisia.....	1	(s)	0	0	1
Zaire.....	(s)	3	0	0	3
Zambia.....	(s)	2	0	0	2
Zimbabwe.....	2	1	0	0	2
Other.....	3	2	0	(s)	4
Total.....	66	20	2	(s)	89
Far East & Oceania					
Australia.....	31	7	0	(s)	39
Bangladesh.....	3	(s)	0	0	3
Burma.....	1	(s)	0	0	1
China.....	142	46	2	0	190
Hong Kong.....	10	0	0	0	10
India.....	69	21	2	(s)	92
Indonesia.....	13	3	0	(s)	16
Japan.....	138	21	41	(s)	200
Korea, North.....	5	5	0	0	10
Korea, South.....	22	2	8	0	32
Malaysia.....	6	2	0	0	8
New Zealand.....	2	5	0	(s)	8
Pakistan.....	8	5	(s)	0	13
Philippines.....	4	2	0	1	8
Singapore.....	5	0	0	0	5
Sri Lanka.....	(s)	1	0	0	2
Taiwan.....	14	3	5	0	22
Thailand.....	13	3	0	0	16
Vietnam.....	2	4	0	(s)	5
Other.....	3	1	0	0	5
Total.....	491	132	58	2	682
World Total.....	1,926	626	346	23	2,921

¹ Thermal capacity consists of coal, oil, and gas.

² Geothermal and Other Capacity consists of geothermal, solar, biomass, and wind sources.

(s)=Value less than 500 thousand kilowatts.

Notes: Capacity data consist of both utility and nonutility sources. Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of this Section.

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Section 7

Prices

Table 7.1 Selected Crude Oil Prices, 1986-1996

(U.S. Dollars per Barrel)

Region Country	Crude (API Gravity)	Sulfur Weight ¹	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
North America													
Canada	Lloydminster (22)	2.2	21.41	14.03	15.25	9.97	14.98	19.27	11.38	15.95	11.58	16.44	18.24
Mexico	Isthmus (33)	1.3	26.21	17.00	14.83	14.53	19.90	24.80	15.80	17.25	11.86	15.92	18.53
Mexico	Maya (22)	3.4	21.93	14.00	11.10	10.63	17.05	20.00	10.75	12.50	9.01	13.77	15.79
United States	West Texas Inter. (40)	0.2	28.00	17.85	16.55	16.95	21.38	23.48	17.61	17.77	13.35	16.80	17.83
United States	U S Refiner Acquisition Cost of Imported Crude Oil	--	24.93	16.45	15.45	16.04	20.51	22.30	16.10	16.80	12.93	16.56	17.51
Central & South America													
Colombia	Cano Limon (30)	0.5	(s)	17.50	15.85	15.20	20.15	24.95	15.73	16.58	11.72	16.02	18.49
Ecuador	Oriente (30)	0.9	26.15	15.86	15.46	13.56	18.81	22.87	13.94	15.62	11.60	16.17	18.20
Venezuela	Tia Juana Light (31)	1.2	28.05	15.10	17.62	12.27	24.69	28.62	19.67	17.97	12.97	16.57	18.52
Venezuela	Bachaquero (24)	1.6	25.85	13.44	14.26	11.45	16.87	27.89	13.94	14.88	11.12	15.25	17.64
Venezuela	Bachaquero (17)	2.4	23.10	11.95	12.20	10.00	15.00	24.45	10.45	12.75	9.25	14.10	15.70
Western Europe													
Norway	Ekofisk Blend (42)	0.1	26.61	16.86	17.60	15.85	20.75	27.25	18.00	18.15	13.20	15.95	19.45
United Kingdom	Brent Blend (38)	0.3	26.00	18.25	18.00	15.80	21.00	27.20	17.75	17.90	13.15	16.15	19.37
Eastern Europe & Former U.S.S.R.													
Russia	Urals (32)	1.0	28.15	18.30	15.80	14.55	20.25	26.05	16.55	16.30	12.35	16.40	19.47
Middle East													
Iran	Iranian Light (34)	1.4	28.05	16.14	15.55	12.75	18.20	23.65	15.50	16.70	12.40	16.18	17.73
Iraq	Kirkuk Blend (36)	2.0	28.18	17.60	16.20	14.40	19.45	--	--	--	--	--	--
Kuwait	Kuwait Blend (31)	2.5	27.10	16.70	16.67	12.30	17.35	--	--	15.30	11.10	15.58	17.40
Oman	Oman (34)	1.2	27.35	15.25	17.38	13.40	18.05	23.65	15.20	16.65	12.70	16.35	17.80
Qatar	Dukhan (40)	1.2	28.10	15.30	15.70	13.45	18.30	24.40	16.05	17.35	13.53	16.93	18.22
Saudi Arabia	Arabian Light (34)	1.7	28.00	16.15	17.52	13.15	18.40	24.00	15.90	16.80	12.40	16.63	18.20
Saudi Arabia	Arabian Medium (31)	2.3	27.20	15.81	16.92	12.30	17.55	22.00	14.25	15.40	11.20	15.73	17.40
Saudi Arabia	Arabian Heavy (27)	2.8	26.00	14.96	16.27	11.90	17.15	20.00	13.15	14.40	10.10	15.13	17.05
United Arab Emirates	Murban (39)	0.8	28.15	15.55	17.92	13.70	19.05	24.65	16.80	18.15	14.09	17.31	18.81
Africa													
Algeria	Saharan Blend (44)	0.1	29.50	17.30	18.87	16.10	21.15	28.85	18.80	18.60	13.80	16.30	19.79
Angola	Cabinda (32)	0.2	--	16.85	16.40	14.40	19.65	25.35	16.65	17.35	12.28	15.42	18.67
Egypt	Suez Blend (33)	1.4	26.70	16.60	15.90	12.75	16.75	24.25	15.20	14.75	10.55	14.60	17.65
Gabon	Mandji (30)	1.2	27.50	16.30	17.32	14.00	19.05	23.25	14.55	15.60	11.10	14.75	17.80
Libya	Es Sider (37)	0.5	30.15	16.95	18.52	15.40	20.40	26.90	17.20	17.55	12.55	16.05	19.20
Nigeria	Bonny Light (37)	0.1	28.65	17.13	18.92	15.05	21.20	27.80	18.20	18.50	13.50	16.15	19.70
Nigeria	Forcados (31)	0.2	28.05	17.21	18.52	15.95	21.35	27.30	18.10	17.95	13.60	16.15	19.70
Far East & Oceania													
Australia	Gippsland (42)	--	--	--	16.70	16.00	19.65	26.75	21.35	18.60	14.40	16.90	19.40
Brunei	Seria Light (39)	0.1	28.35	14.10	17.20	16.50	20.20	27.25	21.15	19.40	15.60	18.05	20.85
China	Daqing (33)	0.1	25.95	12.80	17.70	15.30	18.15	26.10	18.50	19.00	13.20	16.90	19.95
Indonesia	Minas (34)	0.1	28.53	16.28	17.56	15.50	18.55	26.50	18.65	19.10	14.15	16.95	20.05
Malaysia	Tapis Blend (44)	0.1	27.25	14.15	18.40	16.75	20.35	27.60	21.45	19.50	15.70	17.60	20.89

¹ Percentage of sulfur contained by gross weight.

--=Not applicable.

(s)=No significant volume of exports.

Note: Most foreign crude oil prices are for the available date that is closest to January 1 of the year. The prices for crude oils from Brunei and Malaysia and the United States prices are averages for the month of January. The foreign crude oils are free on board (f.o.b.) at the port of lading. The United States refiner acquisition cost of imported crude oil includes all charges associated with the acquisition, transportation, and storage of imported crude oil up to the time that the oil is booked into the United States refineries.

Sources: Bloomberg L.P., *Bloomberg Oil Buyers' Guide*, various issues. Dow Jones & Co., *The Wall Street Journal*, various issues. Energy Information Administration, *Weekly Petroleum Status Report*, DOE/EIA-0208, various issues. The McGraw-Hill Companies, Inc., *Platt's Oilgram Price Report*, various issues. PennWell Publishing Co., *Oil & Gas Journal*, various issues. Petroleum and Energy Intelligence Weekly, Inc., *Petroleum Intelligence Weekly* and *Oil Market Intelligence*, various issues. Petroleum Intelligence Group, *Petroleum Market Intelligence*, various issues.

Table 7.2 World Survey of Recent Selected Petroleum Product Prices (Including Taxes)

Region Country	Date ¹	Automotive Fuels		Residential Fuels			Industrial Fuels	
		Premium Gasoline	Diesel Fuel	Light Fuel Oil	Kerosene	LPG ²	Light Fuel Oil	Heavy Fuel Oil
		U.S. Dollars per Gallon					U.S. Dollars per Barrel	
North America								
Canada	1Q/96	1.80	1.43	1.03	--	--	27.53	15.90
Mexico.....	6/96	1.25	0.92	0.41	0.92	0.39	35.58	11.17
United States	1/96	1.28	1.15	0.95	0.72	0.64	26.46	19.70
Central & South America								
Argentina	6/96	3.04	1.00	0.55	1.09	1.74	--	--
Barbados	6/96	2.90	2.43	0.59	1.04	2.11	--	--
Bolivia	6/96	2.24	1.50	0.97	0.82	0.55	--	--
Brazil	6/96	2.15 ³	1.41	0.75	1.49	0.78	--	--
Chile	6/96	2.02	1.35	0.58	1.08	1.35	--	--
Colombia	6/96	0.96	0.89	0.27	0.89	0.51	--	--
Costa Rica	6/96	1.52	1.19	0.52	1.02	1.25	--	--
Cuba	6/96	1.89	0.61	0.56	0.32	0.51	--	--
Dominican Republic	6/96	1.75	1.00	0.58	1.36	0.23	--	--
Ecuador	6/96	1.37	0.82	0.44	--	0.12	--	--
El Salvador	6/96	1.79	1.07	0.69	1.02	0.60	--	--
Grenada	6/96	1.71	1.48	--	1.10	1.97	--	--
Guatemala	6/96	1.69	1.33	0.70	0.95	0.55	--	--
Guyana	6/96	1.66	1.49	0.81	1.17	1.72	--	--
Haiti	6/96	1.12	0.73	0.44	0.72	0.68	--	--
Honduras	6/96	1.59	1.20	0.56	1.12	0.66	--	--
Jamaica	6/96	1.20	1.09	0.45	0.91	0.90	--	--
Nicaragua	6/96	2.62	1.25	0.63	1.33	1.05	--	--
Panama	6/96	1.51	1.06	0.65	1.05	0.62	--	--
Paraguay	6/96	2.26	1.19	0.69	1.28	1.27	--	--
Peru	6/96	1.82	1.00	0.52	0.85	0.84	--	--
Suriname	6/96	2.11	1.55	0.25	1.36	1.48	--	--
Trinidad and Tobago	6/96	1.50	0.80	0.54	0.73	0.76	--	--
Uruguay	6/96	3.54	1.65	0.57	1.61	1.46	--	--
Venezuela	6/96	0.08	0.04	0.03	0.03	0.04	3.85	3.81
Western Europe								
Austria	1Q/96	4.21	3.22	1.75	--	--	30.47	20.21
Belgium	1Q/96	4.26	3.20	0.99	--	--	34.33	20.93
Croatia	1995	2.88	2.46	1.48	--	--	62.33	--
Denmark	1Q/96	4.26	3.14	2.78	--	--	49.20	24.37
Finland	1Q/96	4.52	3.05	1.32	--	--	45.43	30.92
France	1Q/96	4.41	3.10	1.59	--	--	46.73	26.07
Germany	1Q/96	4.32	3.02	1.19	--	--	43.55	22.94
Greece	1Q/96	3.15	2.41	1.63	--	--	58.01	31.88
Ireland	1Q/96	3.58	3.37	1.53	--	--	46.47	27.45
Italy	1Q/96	4.24	3.40	3.24	--	--	114.41	27.76
Luxembourg	1Q/96	3.20	2.61	1.01	--	--	38.04	23.25
Netherlands	1Q/96	5.31	3.67	1.39	--	--	--	27.74
Norway	1Q/96	5.05	4.39	1.99	--	--	62.29	52.61
Portugal	1Q/96	3.93	3.01	2.70	--	--	108.14	26.47
Slovenia	1995	2.42	2.04	1.06	--	--	44.68	--
Spain	1Q/96	3.32	2.66	1.28	--	--	46.29	28.83
Sweden	1Q/96	4.38	3.58	2.26	--	--	37.05	30.05
Switzerland	1Q/96	3.71	3.80	0.94	--	--	31.72	26.63
Turkey	1Q/96	2.39	1.63	1.84	--	--	--	26.45
United Kingdom	1Q/96	3.47	3.26	0.92	--	--	31.39	22.23

See footnotes at end of table.

Table 7.2 World Survey of Recent Selected Petroleum Product Prices (Including Taxes) (Continued)

Table 1.2 World Survey of Recent Selected Petroleum Product Prices (Including Taxes) (Continued)								
Region Country	Date ¹	Automotive Fuels		Residential Fuels			Industrial Fuels	
		Premium Gasoline	Diesel Fuel	Light Fuel Oil	Kerosene	LPG ²	Light Fuel Oil	Heavy Fuel Oil
		U.S. Dollars per Gallon					U.S. Dollars per Barrel	
Eastern Europe & Former U.S.S.R.								
Czech Republic	1Q/96	2.76	2.23	1.37	--	--	47.13	15.05
Hungary	1Q/96	3.24	2.72	1.99	--	--	90.47	17.96
Poland	1995	1.84	1.57	1.33	--	--	40.85	14.69
Romania	1995	0.93	0.67	--	--	--	--	--
Slovakia	1Q/96	2.48	2.18	0.58	--	--	24.50	12.44
Azerbaijan	1995	0.87	--	--	--	--	--	--
Estonia	1995	1.24	1.04	--	--	--	--	--
Kazakstan	1995	1.12	0.65	--	--	--	17.49	--
Kyrgyzstan	1995	1.08	--	--	--	--	--	--
Latvia	1995	1.36	--	--	--	--	--	--
Lithuania	1995	0.71	0.52	--	--	--	--	--
Russia	12/95	1.25 ³	0.83	0.30	--	--	--	--
Middle East								
Iran	1994	0.13 ³	0.02	0.01	0.01	--	--	--
Kuwait	1994	0.05 ³	0.05	0.02	0.05	--	--	--
Lebanon	1/1/95	0.92	--	0.74	0.77	1.06	29.97	16.60
Qatar	1994	0.60 ³	0.57	--	0.42	--	--	--
Saudi Arabia	1995	0.60 ³	0.37	0.13	0.44	--	0.37	--
United Arab Emirates	1994	0.86 ³	0.77	0.58	0.79	--	--	--
Africa								
Algeria	1994	0.89 ³	0.60	0.44	0.37	--	--	--
Gabon	1994	1.93 ³	--	0.75	--	--	--	--
Ghana	1/6/95	1.50	1.28	--	0.98	0.39	--	19.43
Libya	1994	0.15 ³	0.12	0.02	0.08	--	--	--
Morocco	12/20/94	2.96	1.69	0.55	1.52	0.68	33.41	31.85
Nigeria	1994	0.88 ³	0.77	0.62	1.13	--	--	--
South Africa	6/30/95	2.57	2.36	--	--	--	--	--
Tunisia	1/1/95	2.19	1.19	1.35	--	0.61	--	16.26
Far East & Oceania								
Australia	1Q/96	2.07	1.95	--	--	--	--	--
Brunei	1/94	1.25	0.73	--	0.47	0.99	--	--
China	7/15/96	0.93 ³	0.88	--	--	--	--	--
Hong Kong	1Q/96	4.84	3.18	1.06	1.48	2.00	62.38	44.44
India	1995	2.25 ³	0.92	--	--	--	30.77	24.51
Indonesia	1994	0.98 ³	0.67	0.53	0.53	--	--	--
Japan	1Q/96	3.77 ³	2.51	1.44	1.57	--	42.57	24.25
Korea, South	1995	2.93	1.13	--	--	--	--	21.86
Malaysia	1/94	1.53	0.89	0.36	0.9	1.64	15.12	11.76
New Zealand	1Q/96	2.29	1.19	--	--	--	41.28	38.95
Pakistan	12/19/94	1.96	0.75	0.59	0.74	0.62	24.94	13.92
Papua New Guinea	1/94	1.91	1.49	0.54	1.72	0.56	26.46	--
Philippines	1/1/95	1.38	1.08	--	1.08	0.81	--	17.12
Singapore	1/15/95	3.23	1.25	--	--	1.95	52.55	--
Taiwan	1994	2.28	1.47	--	--	--	33.00	22.57
Thailand	12/23/94	1.28	1.14	--	1.65	0.88	45.63	25.16

¹Data are for the available time period that is closest to 1/1/96. Daily, monthly, quarterly, and annual data are averages. (1Q=first quarter)

²Liquefied petroleum gas (LPG) prices refer to residential propane or a mixture of propane and butane.

³Price is for regular gasoline.

--=Not applicable.

Note: Comparisons between prices and price trends in different countries require care. They are of limited validity because of fluctuations in exchange rates; differences in product quality, marketing practices, and market structures; and the extent to which the standard categories of sales are representative of total national sales for a given period.

Sources: East-West Center, *A Survey of Domestic Energy Prices in the Asia-Pacific Region*, February 1995. Eastern Bloc Research Ltd., *Eastern Bloc Energy*, various issues. Energy Information Administration, *Monthly Energy Review*, October 1996, DOE/EIA-0035, October 1996 and *Petroleum Marketing Monthly*, May 1996, DOE/EIA-0380, May 1996. International Energy Agency, *Energy Prices and Taxes*, Second Quarter 1996, 1996. International Monetary Fund, *International Financial Statistics*, October 1996, October 1996. Organization of Petroleum Exporting Countries, *Annual Statistical Bulletin* 1994, 1995. Latin American Energy Organization, *Energy Magazine*, Number 2, May-August 1996. United Nations Economic Commission for Europe, *The Energy Situation and Policies in the ECE Region*, August 21, 1996.

Section 8

Reserves

Table 8.1 World Crude Oil and Natural Gas Reserves, January 1, 1996

Region Country	Crude Oil (Billion Barrels)		Natural Gas (Trillion Cubic Feet)	
	Oil and Gas Journal	World Oil	Oil and Gas Journal	World Oil
North America				
Canada.....	4.9	5.6	67.0	65.8
Mexico.....	49.8	48.8	68.4	67.7
United States ¹	22.4	22.4	165.1	165.1
Total.....	77.0	76.7	300.6	298.6
Central & South America				
Argentina.....	2.2	2.4	18.6	21.9
Barbados.....	(s)	0.0	(s)	0.0
Bolivia.....	0.1	0.1	4.5	(s)
Brazil.....	4.2	6.2	5.2	7.3
Chile.....	0.3	0.1	3.9	3.5
Colombia.....	3.5	5.5	10.0	12.0
Cuba.....	0.1	0.3	0.1	(s)
Ecuador.....	2.1	3.4	3.8	4.0
Guatemala.....	0.5	0.0	(s)	0.0
Peru.....	0.8	0.7	7.0	7.0
Suriname.....	0.1	0.1	0.0	0.0
Trinidad and Tobago.....	0.5	0.6	10.6	12.2
Venezuela.....	64.5	65.6	139.9	142.8
Other.....	0.0	0.1	0.0	(s)
Total.....	78.9	85.0	203.5	210.7
Western Europe				
Austria.....	0.1	0.1	0.8	0.7
Croatia.....	0.2	0.1	1.3	1.4
Denmark.....	1.0	1.0	4.0	3.9
France.....	0.1	0.1	1.1	1.0
Germany.....	0.3	0.4	11.3	11.6
Greece.....	(s)	0.0	0.3	0.0
Ireland.....	0.0	0.0	0.4	0.0
Italy.....	0.6	0.7	13.2	10.5
Netherlands.....	0.1	0.1	65.2	64.1
Norway.....	8.4	24.2	47.5	121.9
Serbia and Montenegro.....	0.1	0.2	1.6	0.7
Slovenia.....	0.0	(s)	0.0	0.2
Spain.....	(s)	0.0	0.6	0.0
Turkey.....	0.5	0.2	0.4	0.3
United Kingdom.....	4.3	4.5	23.3	24.7
Other.....	0.0	(s)	0.0	0.5
Total.....	15.8	31.6	170.9	241.4
Eastern Europe & Former U.S.S.R.				
Albania.....	0.2	0.1	0.1	0.1
Bulgaria.....	(s)	(s)	0.3	0.2
Former Czechoslovakia ²	(s)	NA	0.5	NA
Czech Republic ²	NA	(s)	NA	0.1
Slovakia ²	NA	(s)	NA	0.9
Hungary.....	0.1	0.1	3.4	3.4
Poland.....	(s)	0.1	5.3	5.3
Romania.....	1.6	1.0	13.0	4.7
Former U.S.S.R ³	57.0	189.7	1,977.0	1,936.6
Total.....	59.0	191.0	1,999.5	1,951.2

See footnotes at end of table.

Table 8.1 World Crude Oil and Natural Gas Reserves, January 1, 1996 (Continued)

Region Country	Crude Oil (Billion Barrels)		Natural Gas (Trillion Cubic Feet)	
	Oil and Gas Journal	World Oil	Oil and Gas Journal	World Oil
Middle East				
Bahrain.....	0.2	(s)	5.3	5.4
Iran.....	88.2	57.7	741.6	634.8
Iraq.....	100.0	99.2	109.5	108.0
Israel.....	(s)	0.0	(s)	0.0
Jordan.....	(s)	0.0	0.2	0.0
Kuwait. ⁴	96.5	95.0	52.9	56.7
Oman.....	5.1	3.3	25.2	20.1
Qatar.....	3.7	3.9	250.0	244.8
Saudi Arabia ⁴	261.2	261.3	185.9	194.1
Syria.....	2.5	2.6	7.0	7.9
United Arab Emirates.....	98.1	63.5	204.6	201.1
Yemen.....	4.0	3.0	15.0	17.0
Other.....	0.0	(s)	0.0	1.1
Total.....	659.6	589.4	1,597.2	1,491.0
Africa				
Algeria.....	9.2	10.0	128.0	131.3
Angola.....	5.4	3.1	1.8	1.8
Benin.....	(s)	0.0	(s)	0.0
Cameroon.....	0.4	0.0	3.9	3.9
Congo.....	1.5	1.3	4.3	4.3
Cote d'Ivoire (Ivory Coast).....	0.1	0.0	0.8	0.0
Egypt.....	3.9	3.8	22.1	19.1
Equatorial Guinea.....	(s)	0.0	1.3	0.0
Ethiopia.....	(s)	0.0	0.9	0.0
Gabon.....	1.3	1.5	0.5	0.4
Ghana.....	(s)	0.0	0.8	0.0
Libya.....	29.5	34.7	45.8	46.2
Madagascar.....	0.0	0.0	0.1	0.0
Morocco.....	(s)	0.0	(s)	0.0
Mozambique.....	0.0	0.0	1.7	0.0
Namibia.....	0.0	0.0	2.0	0.0
Nigeria.....	20.8	21.3	109.7	124.4
Rwanda.....	0.0	0.0	2.0	0.0
Somalia.....	0.0	0.0	0.2	0.0
South Africa.....	(s)	0.0	1.0	0.0
Sudan.....	0.3	0.0	3.0	0.0
Tanzania.....	0.0	0.0	2.0	0.0
Tunisia.....	0.4	0.4	2.6	2.7
Zaire.....	0.2	0.0	0.1	0.0
Other.....	0.0	2.5	0.0	23.6
Total.....	73.2	78.7	334.6	357.7

See footnotes at end of table.

Table 8.1 World Crude Oil and Natural Gas Reserves, January 1, 1996 (Continued)

Region Country	Crude Oil (Billion Barrels)		Natural Gas (Trillion Cubic Feet)	
	Oil and Gas Journal	World Oil	Oil and Gas Journal	World Oil
Far East & Oceania				
Afghanistan.....	0.0	0.0	3.5	0.0
Australia.....	1.6	3.4	20.1	94.8
Bangladesh.....	(s)	0.0	10.1	0.0
Brunei.....	1.4	1.1	14.0	13.9
Burma.....	0.1	0.1	10.0	10.0
China.....	24.0	31.0	59.0	46.3
India.....	5.8	5.3	25.0	25.5
Indonesia.....	5.2	5.9	68.9	72.3
Japan.....	(s)	0.0	1.0	0.0
Malaysia.....	4.3	5.2	68.0	80.2
New Zealand.....	0.1	0.1	2.8	2.3
Pakistan.....	0.2	0.2	27.0	17.5
Papua New Guinea.....	0.4	0.6	3.0	14.6
Philippines.....	0.2	0.3	3.9	5.1
Taiwan.....	(s)	0.0	2.4	0.0
Thailand.....	0.2	0.3	5.9	5.7
Vietnam.....	0.5	0.7	4.0	1.2
Other.....	0.0	0.6	0.0	14.1
Total.....	44.0	54.8	328.5	403.4
World Total.....	1,007.4	1,107.3	4,934.9	4,954.0

¹ Data for the United States are from the Energy Information Administration.

² World Oil has data for the Czech Republic and Slovakia. The Oil and Gas Journal only presents data for Former Czechoslovakia.

³ The Oil and Gas Journal and World Oil did not present disaggregated data for the Other Republics of the Former U.S.S.R.. World Oil presented data for Russia (158 billion barrels of crude oil and 1.7 trillion cubic feet of natural gas) and aggregated data for the Other Republics of the Former U.S.S.R. (32 billion barrels of crude oil and 0.2 trillion cubic feet of natural gas).

⁴ Includes one-half of the reserves in the Neutral Zone.

NA = Not Available

(s) = Value less than 50 million barrels of crude oil or less than 50 billion cubic feet of natural gas.

Notes: Sum of components may not equal total due to independent rounding. All reserve data except those for the Former U.S.S.R. and natural gas reserves in Canada are proved reserves. Former U.S.S.R. data are "explored reserves," which include proved, probable, and partially possible reserves.

Sources: PennWell Publishing Co., Oil and Gas Journal. Vol 93, No. 52, (December 1995). Gulf Publishing Co., World Oil. Vol 217, No. 8, (August 1996). Energy Information Administration, U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1995 Annual Report, DOE/EIA-0216(95) (October 1996).

Table 8.2 World Estimated Recoverable Coal
(Million Short Tons)

Region Country	Recoverable Anthracite and Bituminous ¹	Recoverable Lignite and Subbituminous ¹	Total Recoverable Coal ¹
North America			
Canada.....	4,970	4,535	9,505
Greenland.....	0	202	202
Mexico.....	948	387	1,335
United States... ²	122,729	149,148	271,877
Total.....	128,647	154,272	282,919
Central & South America			
Argentina.....	0	143	143
Bolivia.....	1	0	1
Brazil.....	0	3,136	3,136
Chile.....	34	1,268	1,302
Colombia.....	4,674	330	5,003
Ecuador.....	0	26	26
Peru.....	1,058	110	1,168
Venezuela.....	460	0	460
Total.....	6,227	5,013	11,240
Western Europe			
Austria.....	0	34	34
Croatia.....	7	36	43
France.....	125	29	153
Germany.....	26,455	47,730	74,186
Greece.....	0	3,307	3,307
Ireland.....	15	0	15
Italy.....	0	37	37
Netherlands.....	548	0	548
Norway.....	0	4	4
Portugal.....	3	36	40
Slovenia.....	0	(s)	(s)
Spain.....	937	661	1,598
Sweden.....	0	1	1
Turkey.....	179	7,701	7,879
United Kingdom.....	2,205	551	2,756
Former Yugoslavia... ³	70	18,152	18,222
Total.....	30,544	78,281	108,825
Eastern Europe & Former U.S.S.R.			
Albania.....	0	(s)	(s)
Bulgaria.....	14	2,974	2,988
Czech Republic.....	1,810	3,858	5,668
Hungary.....	657	4,260	4,917
Poland.....	32,077	14,330	46,407
Romania.....	1	3,436	3,437
Slovakia.....	0	251	251
Former U.S.S.R... ⁴	114,640	150,122	264,762
Total.....	149,200	179,232	328,431
Middle East			
Iran.....	213	0	213
Total.....	213	0	213

See footnotes at end of table.

Table 8.2 World Estimated Recoverable Coal (Continued)
(Million Short Tons)

Region Country	Recoverable Anthracite and Bituminous ¹	Recoverable Lignite and Subbituminous ¹	Total Recoverable Coal ¹
Africa			
Algeria.....	47	0	47
Botswana.....	3,858	0	3,858
Central African Republic.....	0	4	4
Egypt.....	14	44	58
Malawi.....	2	0	2
Morocco.....	50	0	50
Mozambique.....	265	0	265
Niger.....	77	0	77
Nigeria.....	23	186	209
South Africa.....	60,994	0	60,994
Swaziland.....	128	1,101	1,229
Tanzania ⁵	220	(s)	221
Zaire.....	97	0	97
Zambia.....	0	61	61
Zimbabwe.....	809	0	809
Total.....	66,585	1,397	67,982
Far East & Oceania			
Afghanistan.....	73	0	73
Australia.....	49,979	50,265	100,244
Burma.....	3	0	3
China.....	68,564	57,651	126,215
India.....	75,009	2,094	77,103
Indonesia.....	1,060	34,283	35,343
Japan.....	886	19	905
Korea, North.....	331	331	661
Korea, South.....	202	0	202
Malaysia.....	4	0	4
Mongolia ⁶	(s)	(s)	(s)
Nepal.....	0	(s)	(s)
New Caledonia.....	2	0	2
New Zealand.....	30	99	129
Pakistan.....	0	809	809
Philippines.....	(s)	289	289
Taiwan.....	109	0	109
Thailand.....	(s)	1,101	1,101
Vietnam.....	165	0	165
Total.....	196,417	146,941	343,359
World Total.....	577,833	565,136	1,142,968

¹ World Energy Council definition of "Proved Recoverable Reserves": Proved Recoverable Reserves are the tonnage of Proved Amount in Place that can be recovered (extracted from the earth in raw form) under present and expected local economic conditions with existing available technology.

² Data represent both measured and indicated tonnage, as of January 1, 1996 (equated to December 31, 1995). The U.S. term "measured" approximates the term "proved" used by the World Energy Council. The U.S. "measured and indicated" data have been combined prior to depletion adjustments and cannot be recaptured as "measured alone."

³ This excludes estimates for Croatia of 7 million short tons of recoverable anthracite and bituminous and 36 million short tons of recoverable lignite for total recoverable coal of 43 million short tons.

⁴ This includes an estimate for Kyrgyzstan of 895 million short tons of recoverable lignite.

⁵ No data are available for subbituminous reserves. This quantity is not included.

⁶ No data available.

-- Not applicable

(s) = Value less than 500,000 short tons.

Notes: Formerly entitled "World Estimated Recoverable Reserves of Coal." The estimates in this table are dependent on the judgment of each reporting country to interpret local economic conditions and its own mineral assessment criteria in terms of specified standards of the World Energy Council. Consequently, the data may not all meet the same standards of reliability and some data, including the Energy Information Administration's (EIA)'s, may not represent reserves of coal that are known to be recoverable under current economic conditions and regulations. Some data, including the EIA's, represent estimated recovery rates for highly reliable estimates of coal quantities in the ground that have physical characteristics like those of coals currently being profitably mined. Further, data in this table may represent different base years. Data for the U.S. represent recoverable coal estimates as of December 31, 1995. Data for other countries are as of December 31, 1993, the most recent period for which they are available. The Energy Information Administration does not certify the international reserves data but reproduces the information as a matter of convenience for the reader. Sum of components may not equal total due to independent rounding.

Sources: World Energy Council, 1995 Survey of Energy Resources, World Energy Conference (1995). United States: Energy Information Administration. Unpublished File Data of the Coal Reserves Database (September 1996).

Appendix A

Geographical and Organizational Definitions

Appendix A

Geographical and Organizational Definitions

North America

Bermuda	Greenland	Saint Pierre and Miquelon
Canada	Mexico	United States

Central and South America

Antarctic Fisheries	Dominican Republic	Nicaragua
Antigua and Barbuda	Ecuador	Panama
Argentina	El Salvador	Paraguay
Aruba	Falkland Islands	Peru
Bahamas, The	French Guiana	Puerto Rico
Barbados	Grenada	Saint Kitts and Nevis
Belize	Guadeloupe	Saint Lucia
Bolivia	Guatemala	Saint Vincent/Grenadines
Brazil	Guyana	Suriname
Cayman Islands	Haiti	Trinidad and Tobago
Chile	Honduras	Turks and Caicos Islands
Colombia	Jamaica	Uruguay
Costa Rica	Martinique	Venezuela
Cuba	Montserrat	Virgin Islands, British
Dominica	Netherlands Antilles	Virgin Islands, U.S.

Western Europe

Austria	Iceland	Switzerland
Belgium	Ireland	Turkey
Denmark	Italy	United Kingdom
Faroe Islands	Luxembourg	Former Yugoslavia ¹
Finland	Malta	Bosnia and Herzegovina ²
France	Netherlands	Croatia ²
Germany	Norway	Macedonia, The Former Yugoslav
Germany, East	Portugal	Republic of (TFYR) ²
Germany, West	Spain	Serbia and Montenegro ²
Gibraltar	Sweden	Slovenia ²
Greece		

¹In this edition of the *International Energy Annual*, data for "former Yugoslavia" (officially known as the Socialist Federal Republic of Yugoslavia) are shown as a whole through 1991. Beginning in 1992, data for "former Yugoslavia" will end and data will be associated with the five successor countries, "Bosnia and Herzegovina," "Croatia," "Macedonia, The Former Yugoslav Republic of (TFYR)," "Serbia and Montenegro," and "Slovenia".

²One of the five successor countries that together previously constituted Yugoslavia. Data for "former Yugoslavia" as a whole are shown through 1991; data for the five individual successor countries are shown beginning in 1992.

Eastern Europe and Former U.S.S.R.

Albania
Bulgaria
Former Czechoslovakia
Czech Republic
Slovakia
Hungary
Poland
Romania

Former U.S.S.R.
Armenia
Azerbaijan
Belarus
Estonia
Georgia
Kazakstan
Kyrgyzstan

Latvia
Lithuania
Moldova
Russia
Tajikistan
Turkmenistan
Ukraine
Uzbekistan

Middle East

Bahrain
Cyprus
Iran
Iraq
Israel

Jordan
Kuwait
Lebanon
Oman
Qatar

Saudi Arabia
Syria
United Arab Emirates
Yemen

Africa

Algeria
Angola
Benin
Botswana
Burkina
Burundi
Cameroon
Cape Verde
Central African Republic
Chad
Comoros
Congo
Cote d'Ivoire (Ivory Coast)
Djibouti
Egypt
Equatorial Guinea
Eritrea
Ethiopia
Gabon

Gambia, The
Ghana
Guinea
Guinea-Bissau
Kenya
Lesotho
Liberia
Libya
Madagascar
Malawi
Mali
Mauritania
Mauritius
Morocco
Mozambique
Namibia
Niger
Nigeria
Reunion

Rwanda
Saint Helena
Sao Tome and Principe
Senegal
Seychelles
Sierra Leone
Somalia
South Africa
Sudan
Swaziland
Tanzania
Togo
Tunisia
Uganda
Western Sahara
Zaire
Zambia
Zimbabwe

Far East and Oceania

Afghanistan	India	Niue
American Samoa	Indonesia	Pakistan
Australia	Japan	Papua New Guinea
Bangladesh	Kiribati	Philippines
Bhutan	Korea, North	Singapore
Brunei	Korea, South	Solomon Islands
Burma	Laos	Sri Lanka
Cambodia	Macau	Taiwan
China	Malaysia	Thailand
Cook Islands	Maldives	Tonga
Fiji	Mongolia	U.S. Pacific Islands
French Polynesia	Nauru	Vanuatu
Guam	Nepal	Vietnam
Hawaiian Trade Zone ¹	New Caledonia	Wake Island
Hong Kong	New Zealand	Western Samoa

Organization for Economic Cooperation and Development (OECD)²

Australia	Greece	New Zealand
Austria	Greenland	Norway
Belgium	Guam	Portugal
Canada	Hawaiian Trade Zone ¹	Puerto Rico
Denmark	Iceland	Spain
Faroe Islands	Ireland	Sweden
Finland	Italy	Switzerland
France	Japan	Turkey
Germany	Luxembourg	United Kingdom
Germany, East	Mexico	United States
Germany, West	Netherlands	Virgin Islands, U.S.

OECD Europe

Austria	Germany, West	Norway
Belgium	Greece	Portugal
Denmark	Iceland	Spain
Faroe Islands	Ireland	Sweden
Finland	Italy	Switzerland
France	Luxembourg	Turkey
Germany	Netherlands	United Kingdom
Germany, East		

¹As of January 1, 1987, Hawaiian Trade Zone data are included in the United States data.

²Membership is as of December 31, 1995. Mexico joined the OECD on May 18, 1994. For consistency, Mexico is included in the historical series of OECD totals. Since Czech Republic, Hungary, Korea, South, and Poland joined the OECD during 1996, they will not be included in the historical series of OECD totals until publication of the *International Energy Annual 1996*.

International Energy Agency (IEA)¹

Australia	Greece	Norway
Austria	Greenland	Portugal
Belgium	Guam	Puerto Rico
Canada	Hawaiian Trade Zone ²	Spain
Denmark	Ireland	Sweden
Faroe Islands	Italy	Switzerland
Finland	Japan	Turkey
France	Luxembourg	United Kingdom
Germany	Netherlands	United States
Germany, East	New Zealand	Virgin Islands, U.S.
Germany, West		

European Union (EU)³

Austria	Germany	Luxembourg
Belgium	Germany, East	Netherlands
Denmark	Germany, West	Portugal
Faroe Islands	Greece	Spain
Finland	Ireland	Sweden
France	Italy	United Kingdom

Former U.S.S.R.

Armenia	Kazakstan	Russia
Azerbaijan	Kyrgyzstan	Tajikistan
Belarus	Latvia	Turkmenistan
Estonia	Lithuania	Ukraine
Georgia	Moldova	Uzbekistan

Organization of Petroleum Exporting Countries (OPEC)⁴

Algeria	Kuwait	Saudi Arabia
Indonesia	Libya	United Arab Emirates
Iran	Nigeria	Venezuela
Iraq	Qatar	

¹ Membership is as of December 31, 1995.

² As of January 1, 1987, Hawaiian Trade Zone data are included in the United States data.

³ Membership is as of December 31, 1995. Austria, Finland, and Sweden joined the EU on January 1, 1995. For consistency, they are included in the historical series of EU totals.

⁴ Membership is as of December 31, 1995. Gabon withdrew from OPEC, effective December 31, 1994. For consistency, Gabon is not included in the historical series of OPEC totals.

Appendix B

**World Population
and Gross Domestic
Product**

Table B1 World Population, 1986 - 1995
(Millions)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Bermuda.....	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Canada.....	25.35	25.62	25.91	26.24	26.58	28.12	28.54	28.95	29.25	29.61
Greenland.....	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Mexico.....	79.57	81.20	82.72	84.27	86.15	87.84	89.54	91.21	93.01	94.85
Saint Pierre and Miquelon.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
United States.....	240.65	242.80	245.02	247.34	249.91	252.65	255.46	258.25	260.71	263.43
Total.....	345.69	349.74	353.77	357.98	362.76	368.73	373.67	378.53	383.10	388.02
Central & South America										
Antigua and Barbuda.....	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Argentina.....	30.75	31.19	31.64	32.08	32.53	32.97	33.42	33.87	34.32	34.77
Aruba.....	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Bahamas, The.....	0.23	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.28
Barbados.....	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Belize.....	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.21	0.21	0.21
Bolivia.....	6.02	6.16	6.29	6.43	6.57	6.73	6.90	7.07	7.24	7.41
Brazil.....	134.65	137.27	139.82	142.31	144.72	147.07	149.36	151.57	153.73	155.82
Cayman Islands.....	0.21	0.22	0.23	0.24	0.25	0.26	0.26	0.30	0.32	0.33
Chile.....	12.33	12.54	12.75	12.96	13.10	13.32	13.54	13.77	13.99	14.20
Colombia.....	30.02	30.58	31.14	31.71	32.30	32.84	33.39	33.95	34.52	35.10
Costa Rica.....	2.66	2.68	2.72	2.76	2.80	2.87	2.94	3.00	3.07	3.33
Cuba.....	10.20	10.30	10.41	10.52	10.62	10.74	10.83	10.90	10.96	11.04
Dominica.....	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Dominican Republic.....	6.56	6.72	6.87	7.02	7.17	7.32	7.47	7.62	7.77	7.91
Ecuador.....	9.33	9.56	9.79	10.03	10.26	10.50	10.74	10.98	11.22	11.46
El Salvador.....	4.95	5.05	5.09	5.19	5.27	5.35	5.48	5.52	5.64	5.77
Falkland Islands.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
French Guiana.....	0.09	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.15
Grenada.....	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Guadeloupe.....	0.36	0.36	0.37	0.38	0.39	0.40	0.41	0.41	0.42	0.43
Guatemala.....	8.19	8.43	8.68	8.94	9.20	9.47	9.74	10.03	10.32	10.62
Guyana.....	0.79	0.79	0.79	0.79	0.80	0.80	0.81	0.82	0.82	0.83
Haiti.....	5.99	6.11	6.24	6.36	6.49	6.62	6.76	6.90	7.04	7.18
Honduras.....	4.51	4.66	4.80	4.95	5.11	5.26	5.43	5.59	5.77	5.95
Jamaica.....	2.34	2.35	2.36	2.39	2.41	2.43	2.45	2.47	2.50	2.53
Martinique.....	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.37	0.38
Montserrat.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Netherlands Antilles.....	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20
Nicaragua.....	3.38	3.50	3.62	3.74	3.87	4.00	4.13	4.26	4.40	4.54
Panama.....	2.21	2.26	2.30	2.35	2.40	2.44	2.49	2.53	2.58	2.63
Paraguay.....	3.72	3.84	3.96	4.09	4.22	4.33	4.45	4.57	4.70	4.83
Peru.....	19.84	20.26	20.68	21.11	21.55	22.00	22.45	22.64	23.09	23.53
Puerto Rico.....	3.41	3.43	3.46	3.50	3.53	3.55	3.58	3.62	3.65	3.67
Saint Kitts and Nevis.....	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Saint Lucia.....	0.14	0.14	0.15	0.15	0.13	0.13	0.14	0.14	0.14	0.14
Saint Vincent/Grenadines.....	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Suriname.....	0.38	0.39	0.39	0.40	0.40	0.40	0.41	0.41	0.42	0.42
Trinidad and Tobago.....	1.20	1.21	1.21	1.21	1.22	1.24	1.24	1.25	1.26	1.28
Turks and Caicos Islands.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Uruguay.....	3.03	3.04	3.06	3.08	3.09	3.11	3.13	3.15	3.17	3.19
Venezuela.....	17.53	17.97	18.42	18.87	19.33	19.79	20.25	20.71	21.38	21.64
Virgin Islands, British.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Virgin Islands, U.S.....	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10
Total.....	326.56	332.91	339.16	345.51	351.72	357.92	364.20	370.07	376.48	382.62

See footnotes at end of table.

Table B1 World Population, 1986 - 1995 (Continued)
(Millions)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Western Europe										
Austria.....	7.59	7.60	7.62	7.66	7.73	7.81	7.91	7.99	8.03	8.53
Belgium.....	9.86	9.87	9.90	9.94	9.97	9.98	10.00	10.04	10.08	10.11
Denmark.....	5.12	5.13	5.13	5.13	5.14	5.15	5.17	5.19	5.20	5.23
Faroe Islands.....	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Finland.....	4.92	4.93	4.95	4.96	4.99	5.01	5.04	5.07	5.09	5.11
France.....	55.55	55.82	56.12	56.42	56.73	57.05	57.37	57.65	57.90	58.15
Germany.....	--	--	--	--	--	79.98	80.57	81.19	81.41	81.64
Germany, East.....	16.62	16.64	16.67	16.63	16.25	--	--	--	--	--
Germany, West.....	61.01	61.09	61.42	61.99	63.23	--	--	--	--	--
Gibraltar.....	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Greece.....	9.97	10.00	10.04	10.09	10.16	10.25	10.32	10.38	10.43	10.46
Iceland.....	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27
Ireland.....	3.54	3.54	3.54	3.53	3.52	3.54	3.55	3.56	3.57	3.58
Italy.....	57.25	57.34	57.44	57.54	57.66	57.75	57.86	58.07	58.19	58.30
Luxembourg.....	0.37	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.40	0.41
Malta.....	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.37
Netherlands.....	14.56	14.66	14.76	14.85	14.95	15.07	15.18	15.29	15.38	15.45
Norway.....	4.17	4.19	4.21	4.23	4.24	4.26	4.29	4.31	4.32	4.36
Portugal.....	9.91	9.91	9.90	9.89	9.88	9.87	9.86	9.87	9.90	10.80
Spain.....	38.54	38.63	38.72	38.79	38.85	38.92	39.01	39.09	39.15	39.21
Sweden.....	8.37	8.40	8.44	8.49	8.56	8.62	8.67	8.72	8.78	8.83
Switzerland.....	6.50	6.55	6.59	6.65	6.71	6.80	6.88	6.94	6.99	7.04
Turkey.....	51.43	52.56	53.71	54.89	56.10	57.33	58.58	59.87	61.18	61.64
United Kingdom.....	56.85	57.01	57.16	57.36	57.56	57.81	58.01	58.09	58.14	58.26
Former Yugoslavia.....	23.27	23.42	23.57	23.69	23.82	23.93	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	4.41	4.43	4.46	4.48
Croatia.....	--	--	--	--	--	--	4.78	4.61	4.50	4.49
Macedonia, TFYR.....	--	--	--	--	--	--	2.06	2.12	2.14	2.16
Serbia and Montenegro.....	--	--	--	--	--	--	10.45	10.48	10.52	10.54
Slovenia.....	--	--	--	--	--	--	2.00	1.99	1.99	1.98
Total.....	446.06	448.33	450.94	453.79	457.11	460.21	463.06	466.05	468.46	471.48
Eastern Europe & Former U.S.S.R.										
Albania.....	3.02	3.08	3.14	3.20	3.26	3.32	3.36	3.39	3.41	3.44
Bulgaria.....	8.96	8.97	8.98	8.99	8.99	8.98	8.94	8.87	8.84	8.80
Former Czechoslovakia.....	15.53	15.57	15.61	15.64	15.66	15.68	15.73	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	10.33	10.33	10.33
Slovakia.....	--	--	--	--	--	--	--	5.32	5.35	5.36
Hungary.....	10.53	10.49	10.44	10.40	10.36	10.35	10.32	10.29	10.26	10.22
Poland.....	37.46	37.66	37.86	37.96	38.12	38.24	38.36	38.46	38.54	38.59
Romania.....	22.82	22.94	23.05	23.15	23.21	23.19	22.79	22.76	22.74	22.68
Former U.S.S.R.....	280.24	283.10	283.68	285.86	290.10	292.05	--	--	--	--
Armenia.....	--	--	--	--	--	--	3.69	3.73	3.75	3.76
Azerbaijan.....	--	--	--	--	--	--	7.39	7.45	7.47	7.50
Belarus.....	--	--	--	--	--	--	10.31	10.34	10.31	10.24
Estonia.....	--	--	--	--	--	--	1.54	1.52	1.50	1.53
Georgia.....	--	--	--	--	--	--	5.44	5.45	5.45	5.46
Kazakhstan.....	--	--	--	--	--	--	16.90	16.89	17.03	16.99
Kyrgyzstan.....	--	--	--	--	--	--	4.49	4.53	4.60	4.67
Latvia.....	--	--	--	--	--	--	2.63	2.59	2.58	2.51
Lithuania.....	--	--	--	--	--	--	3.74	3.73	3.72	3.71
Moldova.....	--	--	--	--	--	--	4.40	4.45	4.47	4.49
Russia.....	--	--	--	--	--	--	148.31	148.15	147.97	148.14
Tajikistan.....	--	--	--	--	--	--	5.57	5.64	5.75	5.84
Turkmenistan.....	--	--	--	--	--	--	3.83	3.92	4.01	4.10
Ukraine.....	--	--	--	--	--	--	52.15	52.18	51.92	51.84
Uzbekistan.....	--	--	--	--	--	--	21.70	21.86	22.35	22.84
Total.....	378.56	381.81	382.76	385.20	389.70	391.81	391.59	391.85	392.35	392.84

See footnotes at end of table.

Table B1 World Population, 1986 - 1995 (Continued)
(Millions)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Bahrain.....	0.44	0.46	0.47	0.49	0.50	0.51	0.52	0.54	0.56	0.59
Cyprus.....	0.67	0.68	0.69	0.69	0.70	0.70	0.71	0.72	0.73	0.74
Iran.....	49.44	50.66	51.91	53.19	54.50	55.84	57.15	58.49	59.78	61.28
Iraq.....	16.11	16.33	17.25	17.55	18.08	18.56	19.01	19.45	19.92	20.45
Israel.....	4.30	4.37	4.44	4.52	4.66	4.95	5.12	5.26	5.40	5.54
Jordan.....	3.94	4.00	4.06	4.13	4.26	4.44	4.67	4.94	5.20	5.44
Kuwait.....	1.80	1.88	1.97	2.05	2.14	2.07	1.42	1.46	1.62	1.69
Lebanon.....	2.64	2.60	2.56	2.54	2.55	2.61	2.70	2.81	2.91	3.01
Oman.....	1.46	1.53	1.60	1.67	1.75	1.83	1.91	1.99	2.08	2.16
Qatar.....	0.39	0.41	0.43	0.46	0.49	0.51	0.53	0.56	0.59	0.61
Saudi Arabia.....	13.36	13.61	14.02	14.43	14.87	16.49	16.82	17.12	17.45	17.88
Syria.....	10.61	10.97	11.34	11.72	12.12	12.53	12.96	13.39	13.84	14.19
United Arab Emirates.....	1.44	1.50	1.56	1.62	1.67	1.72	1.77	1.81	1.86	1.93
Yemen.....	9.88	10.16	10.61	10.95	11.28	11.61	11.95	12.30	12.67	13.05
Total.....	116.48	119.16	122.91	126.01	129.57	134.37	137.24	140.84	144.61	148.56
Africa										
Algeria.....	22.52	23.02	23.73	24.33	25.07	25.66	26.27	26.90	27.56	28.55
Angola.....	8.19	8.41	8.64	9.74	10.02	10.23	10.41	10.58	10.67	11.07
Benin.....	4.19	4.32	4.46	4.61	4.74	4.89	5.05	5.22	5.34	5.56
Botswana.....	1.13	1.17	1.21	1.24	1.30	1.33	1.36	1.39	1.42	1.46
Burkina.....	8.10	8.31	8.54	8.77	9.00	9.19	9.43	9.68	9.89	10.18
Burundi.....	4.86	5.00	5.15	5.30	5.46	5.62	5.78	5.96	6.13	6.30
Cameroon.....	10.46	10.82	10.88	11.54	11.68	11.85	12.18	12.52	12.87	13.28
Cape Verde.....	0.34	0.35	0.33	0.33	0.34	0.35	0.36	0.37	0.38	0.39
Central African Republic.....	2.74	2.78	2.88	2.99	3.01	3.04	3.08	3.16	3.23	3.31
Chad.....	5.12	5.22	5.32	5.56	5.69	5.82	5.96	6.09	6.21	6.36
Comoros.....	0.48	0.49	0.51	0.52	0.54	0.56	0.58	0.61	0.63	0.65
Congo.....	1.98	2.04	2.10	2.16	2.23	2.30	2.37	2.44	2.52	2.59
Cote d'Ivoire (Ivory Coast).....	10.32	10.72	10.82	11.26	11.72	12.19	12.67	13.18	13.70	14.23
Djibouti.....	0.44	0.46	0.47	0.50	0.52	0.53	0.55	0.56	0.57	0.58
Egypt.....	47.81	49.05	50.27	51.48	52.69	53.92	55.16	56.49	57.85	59.23
Equatorial Guinea.....	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40
Eritrea.....	—	—	—	—	—	—	—	—	3.78	3.91
Ethiopia.....	45.74	47.19	48.59	50.17	51.69	53.38	55.12	56.90	54.94	56.68
Gabon.....	1.02	1.05	1.08	1.11	1.15	1.18	1.21	1.24	1.28	1.32
Gambia, The.....	0.77	0.81	0.85	0.88	0.92	0.96	0.99	1.03	1.08	1.12
Ghana.....	13.05	13.39	14.14	14.57	15.02	15.48	15.96	16.45	16.94	17.45
Guinea.....	4.79	4.93	5.07	5.59	5.75	5.93	6.12	6.31	6.50	6.70
Guinea-Bissau.....	0.89	0.91	0.93	0.94	0.96	0.98	1.01	1.03	1.05	1.07
Kenya.....	21.16	22.94	23.88	24.87	25.03	25.91	26.98	28.11	29.29	30.52
Lesotho.....	1.58	1.62	1.66	1.70	1.79	1.84	1.89	1.94	2.00	2.05
Liberia.....	2.22	2.28	2.34	2.40	2.46	2.52	2.58	2.64	2.70	2.76
Libya.....	3.52	3.67	3.82	3.98	4.15	4.33	4.51	4.70	4.90	5.21
Madagascar.....	10.99	11.37	11.76	12.06	12.20	12.49	13.42	13.85	14.30	14.76
Malawi.....	7.28	7.50	7.75	8.02	8.29	8.56	8.82	9.13	9.46	9.79
Mali.....	7.57	7.70	7.83	7.96	8.16	9.51	9.82	10.13	10.46	10.79
Mauritania.....	1.81	1.86	1.90	1.95	2.00	2.04	2.11	2.16	2.21	2.28
Mauritius.....	0.99	1.00	1.02	1.03	1.05	1.07	1.08	1.09	1.11	1.12
Morocco.....	22.35	22.88	23.41	23.95	24.49	25.02	25.55	26.07	26.59	27.11
Mozambique.....	14.16	14.12	13.95	13.96	14.15	14.42	14.79	15.58	16.61	17.42
Namibia.....	1.21	1.24	1.28	1.31	1.35	1.38	1.42	1.46	1.50	1.54
Niger.....	6.82	7.04	7.26	7.49	7.73	7.99	8.26	8.36	8.85	9.15
Nigeria.....	98.17	101.41	104.96	105.06	108.54	112.07	115.66	119.33	122.97	126.72
Reunion.....	0.56	0.57	0.58	0.59	0.60	0.61	0.62	0.63	0.64	0.65
Rwanda.....	6.24	6.42	6.61	6.80	7.18	7.17	7.36	7.55	7.75	7.95
Saint Helena.....	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Sao Tome and Principe.....	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13
Senegal.....	6.72	6.91	7.11	7.30	7.50	7.76	7.93	8.05	8.21	8.35
Seychelles.....	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Sierra Leone.....	3.66	3.74	3.82	3.91	4.00	4.09	4.19	4.30	4.40	4.51
Somalia.....	8.07	8.25	8.41	8.55	8.68	8.78	8.86	8.95	9.08	9.25
South Africa.....	33.83	34.63	35.42	36.24	37.07	38.01	38.82	39.63	40.44	41.24
Sudan.....	22.80	23.52	24.24	24.99	25.75	26.53	27.32	28.13	28.95	29.10
Swaziland.....	0.67	0.69	0.72	0.74	0.77	0.80	0.83	0.85	0.88	0.91

Table B1 World Population, 1986 - 1995 (Continued)
(Millions)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Tanzania.....	22.46	23.22	24.00	24.80	25.63	26.40	27.20	28.02	28.85	30.34
Togo.....	3.12	3.22	3.32	3.42	3.53	3.64	3.76	3.88	3.93	4.14
Tunisia.....	7.46	7.64	7.77	7.93	8.10	8.25	8.41	8.57	8.81	8.90
Uganda.....	15.61	16.15	16.72	17.32	17.95	18.59	19.26	19.94	20.62	21.30
Western Sahara.....	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28
Zaire.....	31.50	32.46	33.46	34.49	35.56	36.67	38.94	41.23	42.55	43.90
Zambia.....	7.11	7.37	7.53	7.80	8.07	8.41	8.67	8.94	9.20	9.37
Zimbabwe.....	8.41	8.64	8.88	9.12	9.37	10.19	10.41	10.78	11.15	11.53
Total.....	573.74	591.27	608.16	624.15	641.49	661.30	681.97	703.01	723.87	745.60
Far East & Oceania										
Afghanistan.....	18.61	15.22	15.51	15.81	16.12	16.43	16.62	17.69	18.88	20.14
American Samoa.....	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.08
Australia.....	16.02	16.26	16.52	16.81	17.06	17.28	17.49	17.66	17.84	18.05
Bangladesh.....	101.67	102.56	104.53	106.51	108.12	109.88	112.71	115.20	117.79	120.43
Bhutan.....	1.41	1.45	1.48	1.52	1.54	1.57	1.58	1.60	1.61	1.64
Brunei.....	0.23	0.23	0.24	0.25	0.25	0.26	0.27	0.28	0.28	0.28
Burma.....	39.41	39.19	40.04	40.92	41.81	42.72	43.65	44.60	45.55	46.53
Cambodia.....	7.82	6.07	8.32	8.45	8.57	8.81	9.05	9.31	9.57	10.25
China.....	1,075.07	1,093.00	1,110.26	1,127.04	1,143.33	1,158.23	1,171.71	1,185.17	1,198.50	1,211.68
Cook Islands.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Fiji.....	0.71	0.72	0.72	0.72	0.73	0.74	0.75	0.76	0.77	0.78
French Polynesia.....	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22
Guam.....	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15
Hong Kong.....	5.52	5.58	5.63	5.69	5.70	5.75	5.81	5.92	6.06	6.19
India.....	767.20	783.73	800.50	817.49	834.70	851.66	867.82	883.91	918.57	935.74
Indonesia.....	168.35	172.01	175.59	179.14	179.83	181.38	184.49	187.60	190.68	193.75
Japan.....	121.49	122.07	122.58	123.09	123.48	123.92	124.32	124.67	124.96	125.20
Kiribati.....	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08
Korea, North.....	20.24	20.60	20.98	21.37	21.77	22.19	22.61	23.05	23.48	23.92
Korea, South.....	41.21	41.62	42.03	42.45	42.87	43.27	43.66	44.06	44.45	44.85
Laos.....	3.70	3.82	3.94	4.07	4.20	4.33	4.47	4.60	4.74	4.88
Macau.....	0.30	0.31	0.32	0.33	0.33	0.35	0.37	0.39	0.40	0.42
Malaysia.....	16.11	16.53	16.94	17.35	17.76	18.33	18.76	19.21	19.65	20.14
Maldives.....	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.24	0.25	0.25
Mongolia.....	1.93	1.97	2.02	2.07	2.18	2.23	2.27	2.32	2.36	2.41
Nauru.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nepal.....	17.13	17.56	17.99	18.44	18.92	19.60	20.28	20.81	21.36	21.92
New Caledonia.....	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18
New Zealand.....	3.28	3.30	3.32	3.33	3.36	3.41	3.44	3.45	3.49	3.54
Niue.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Pakistan.....	99.54	102.70	105.97	109.14	112.40	115.77	119.23	122.79	126.47	129.81
Papua New Guinea.....	3.41	3.48	3.56	3.63	3.70	3.77	3.85	3.92	4.00	4.07
Philippines.....	56.00	57.36	58.72	60.10	61.48	63.69	65.34	66.98	68.62	70.27
Singapore.....	2.52	2.55	2.60	2.65	2.71	2.76	2.82	2.87	2.93	2.99
Solomon Islands.....	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.37	0.38
Sri Lanka.....	16.12	16.36	16.60	16.83	16.99	17.25	17.40	17.62	17.86	18.35
Taiwan.....	19.70	19.80	19.90	20.11	20.35	20.56	20.75	20.94	21.13	21.30
Thailand.....	52.51	53.43	54.33	55.21	55.84	56.57	57.29	58.01	58.71	59.40
Tonga.....	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10
U.S. Pacific Islands.....	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Vanuatu.....	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.17
Vietnam.....	61.11	62.45	63.73	64.77	66.23	67.77	69.41	70.98	72.51	74.54
Wake Island.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Western Samoa.....	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.16	0.17
Total.....	2,739.79	2,785.43	2,836.41	2,886.87	2,933.96	2,982.12	3,029.89	3,078.11	3,144.98	3,195.29
World Total.....	4,926.88	5,008.65	5,094.11	5,179.52	5,266.31	5,356.46	5,441.62	5,528.46	5,633.85	5,724.41

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5000.

Notes: Sum of components may not equal total due to independent rounding.

Sources: The United Nations, Monthly Bulletin of Statistics, (July, 1996). U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States 1995.

Table B2 World Gross Domestic Product at Market Exchange Rates, 1986 - 1995
(Millions of 1987 U.S. Dollars)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Bermuda.....	1,248	1,281	1,317	1,328	1,320	1,300	1,319	1,323	--	--
Canada.....	396,074	412,356	432,726	443,035	441,761	433,389	436,142	446,029	466,484	477,338
Greenland.....	--	--	--	--	--	--	--	--	--	--
Mexico.....	137,128	140,266	141,681	146,556	152,767	158,250	163,017	163,719	164,702	155,313
Saint Pierre and Miquelon.....	--	--	--	--	--	--	--	--	--	--
United States.....	4,404,500	4,539,900	4,718,600	4,838,000	4,897,300	4,861,400	4,986,300	5,134,500	5,344,000	5,452,500
Central & South America										
Antigua and Barbuda.....	267	288	308	324	336	353	354	367	--	--
Argentina.....	106,118	108,811	106,859	100,179	100,342	109,232	118,601	125,720	135,049	129,107
Aruba.....	--	--	--	--	--	--	--	--	--	--
Bahamas, The.....	2,635	2,714	2,777	2,841	2,877	2,788	2,791	2,847	--	--
Barbados.....	1,440	1,449	1,549	1,632	1,543	1,507	1,424	1,445	--	--
Belize.....	247	277	301	337	369	385	421	439	448	465
Bolivia.....	4,200	4,310	4,474	4,604	4,842	5,065	5,207	5,420	5,650	5,857
Brazil.....	284,626	294,086	293,326	302,893	289,037	290,310	286,936	302,141	319,516	332,616
Cayman Islands.....	--	--	--	--	--	--	--	--	--	--
Chile.....	19,413	20,682	22,202	24,394	25,172	26,991	29,958	31,822	33,174	36,009
Colombia.....	34,516	36,372	37,851	39,159	40,747	41,533	43,202	45,463	48,067	50,581
Costa Rica.....	4,327	4,533	4,687	4,956	5,135	5,250	5,656	6,003	6,270	6,419
Cuba.....	--	--	--	--	--	--	--	--	--	--
Dominica.....	118	127	136	132	143	150	152	154	157	--
Dominican Republic.....	4,726	5,081	5,116	5,768	5,494	5,545	5,975	6,151	6,415	6,720
Ecuador.....	11,232	10,527	11,653	11,671	12,012	12,612	13,063	13,342	13,884	14,207
El Salvador.....	4,317	4,433	4,516	4,563	4,699	4,883	5,128	5,428	5,753	6,113
Falkland Islands.....	--	--	--	--	--	--	--	--	--	--
French Guiana.....	--	--	--	--	--	--	--	--	--	--
Grenada.....	139	150	160	168	179	183	181	183	--	--
Guadeloupe.....	--	--	--	--	--	--	--	--	--	--
Guatemala.....	6,841	7,084	7,360	7,650	7,887	8,179	8,572	8,907	9,265	9,715
Guyana.....	354	356	346	335	316	336	363	394	--	--
Haiti.....	2,177	2,161	2,177	2,201	2,198	2,131	1,816	1,769	1,536	1,594
Honduras.....	3,920	4,153	4,358	4,522	4,524	4,663	4,923	5,118	5,048	5,231
Jamaica.....	2,813	3,030	3,117	3,330	3,512	3,530	3,580	3,623	3,650	--
Martinique.....	--	--	--	--	--	--	--	--	--	--
Montserrat.....	--	--	--	--	--	--	--	--	--	--
Netherlands Antilles.....	--	--	--	--	--	--	--	--	--	--
Nicaragua.....	3,878	3,851	3,425	3,380	3,380	3,356	3,382	3,358	3,465	3,609
Panama.....	5,234	5,363	4,527	4,509	4,718	5,170	5,611	5,914	6,192	6,334
Paraguay.....	3,576	3,733	3,975	4,207	4,335	4,439	4,517	4,685	4,830	5,057
Peru.....	25,460	27,583	25,317	22,326	21,565	22,176	21,653	23,061	26,066	27,890
Puerto Rico.....	22,854	23,878	25,428	26,765	27,724	28,304	28,926	29,563	--	--
Saint Kitts and Nevis.....	100	108	117	127	130	132	137	146	--	--
Saint Lucia.....	277	288	325	355	368	376	403	417	--	--
Saint Vincent/Grenadines.....	134	142	155	165	173	179	188	196	--	--
Suriname.....	1,304	1,106	1,222	1,382	1,381	1,424	1,484	1,442	--	--
Trinidad and Tobago.....	5,030	4,798	4,611	4,574	4,646	4,771	4,690	4,611	4,846	4,992
Turks and Caicos Islands.....	--	--	--	--	--	--	--	--	--	--
Uruguay.....	6,785	7,330	7,330	7,431	7,503	7,680	8,247	8,075	8,486	8,280
Venezuela.....	46,368	48,029	50,828	46,292	49,475	54,606	57,579	57,737	56,144	57,371
Virgin Islands, British.....	--	--	--	--	--	--	--	--	--	--
Virgin Islands, U.S.....	1,068	1,148	1,166	1,249	1,285	1,300	1,340	1,372	--	--

See footnotes at end of table.

Table B2 World Gross Domestic Product at Market Exchange Rates, 1986 - 1995 (Continued)
(Millions of 1987 U.S. Dollars)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Western Europe										
Austria.....	115,278	117,176	121,962	126,652	132,031	135,915	138,398	138,319	142,108	144,703
Belgium.....	136,859	139,602	146,461	151,588	156,538	160,068	163,047	160,266	163,827	166,940
Denmark.....	102,060	102,321	103,565	104,198	105,673	106,708	108,061	109,597	114,437	117,631
Faroe Islands.....	--	--	--	--	--	--	--	--	--	--
Finland.....	84,592	88,009	92,386	97,651	97,635	90,596	87,313	85,584	89,050	92,833
France.....	869,248	887,865	925,814	960,735	983,678	989,467	1,001,230	991,164	1,019,188	1,041,766
Germany.....	--	--	--	--	--	1,423,847	1,455,210	1,438,829	1,472,013	1,500,645
Germany, East.....	--	--	--	--	--	--	--	--	--	--
Germany, West.....	1,092,097	1,107,428	1,148,356	1,187,571	1,248,007	--	--	--	--	--
Gibraltar.....	--	--	--	--	--	--	--	--	--	--
Greece.....	46,484	46,311	48,360	50,077	49,664	51,191	51,688	51,433	52,186	53,230
Iceland.....	4,979	5,405	5,401	5,416	5,475	5,545	5,363	5,409	5,560	5,674
Ireland.....	29,924	31,318	32,655	35,074	38,080	39,177	41,139	42,778	45,659	50,362
Italy.....	735,917	759,066	789,934	813,184	830,433	840,387	846,636	841,081	858,744	884,506
Luxembourg.....	6,627	6,819	7,212	7,692	7,935	8,176	8,328	8,352	--	--
Malta.....	1,527	1,590	1,723	1,864	1,981	2,106	2,197	2,276	--	--
Netherlands.....	214,958	217,495	223,182	233,648	243,313	248,847	251,992	252,871	259,481	265,482
Norway.....	81,423	83,337	83,193	84,437	85,886	87,566	90,518	93,516	98,322	101,565
Portugal.....	39,634	41,820	44,194	46,752	48,739	49,784	50,328	49,749	50,147	51,401
Spain.....	277,063	292,716	307,828	322,381	334,423	341,919	344,289	340,483	347,219	357,489
Sweden.....	156,598	161,440	165,020	169,026	171,360	169,294	166,850	162,560	166,089	171,065
Switzerland.....	167,396	170,793	175,747	182,533	186,729	186,676	186,106	184,517	186,716	188,082
Turkey.....	81,193	87,173	89,043	89,331	97,453	98,418	104,300	112,015	108,580	116,508
United Kingdom.....	658,119	689,446	723,797	739,567	742,475	727,800	724,074	738,749	767,152	786,052
Former Yugoslavia.....	68,017	66,683	65,626	66,126	63,812	55,646	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	--	--	--	--
Croatia.....	--	--	--	--	--	--	--	--	--	--
Macedonia, TFYR.....	--	--	--	--	--	--	--	--	--	--
Serbia and Montenegro.....	--	--	--	--	--	--	--	--	--	--
Slovenia.....	--	--	--	--	--	--	--	6,260	6,594	6,913
Eastern Europe & Former U.S.S.R.										
Albania.....	2,174	2,157	2,126	2,335	2,102	1,520	1,372	1,776	--	--
Bulgaria.....	26,615	28,429	31,523	30,728	27,691	23,952	22,495	21,442	21,742	22,307
Former Czechoslovakia.....	54,299	54,700	56,111	56,841	55,150	46,612	44,165	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	30,524	31,170	32,671
Slovakia.....	--	--	--	--	--	--	--	13,229	13,880	14,903
Hungary.....	24,943	26,110	26,016	26,034	25,167	23,297	22,011	21,289	21,911	22,235
Poland.....	62,960	63,905	66,319	66,750	59,957	56,058	56,566	58,610	61,658	65,974
Romania.....	41,043	38,068	37,710	35,500	33,184	28,788	24,780	25,085	26,081	27,881
Former U.S.S.R.....	695,145	710,514	740,862	754,823	728,969	644,058	--	--	--	--
Armenia.....	--	--	--	--	--	--	2,612	2,226	2,348	2,510
Azerbaijan.....	--	--	--	--	--	--	4,700	4,089	3,194	2,644
Belarus.....	--	--	--	--	--	--	23,973	21,652	18,231	16,408
Estonia.....	--	--	--	--	--	--	3,899	3,762	3,657	3,766
Georgia.....	--	--	--	--	--	--	4,585	3,135	2,195	2,247
Kazakhstan.....	--	--	--	--	--	--	23,247	20,248	15,085	13,742
Kyrgyzstan.....	--	--	--	--	--	--	3,642	3,059	2,444	2,293
Latvia.....	--	--	--	--	--	--	5,710	5,166	5,196	5,114
Lithuania.....	--	--	--	--	--	--	5,275	4,420	4,464	4,597
Moldova.....	--	--	--	--	--	--	4,647	4,591	3,159	3,064
Russia.....	--	--	--	--	--	--	334,367	294,243	257,168	246,882
Tajikistan.....	--	--	--	--	--	--	2,479	2,050	1,790	1,568
Turkmenistan.....	--	--	--	--	--	--	4,327	4,665	3,499	--
Ukraine.....	--	--	--	--	--	--	83,116	76,382	58,814	51,756
Uzbekistan.....	--	--	--	--	--	--	14,823	14,467	13,961	13,793

See footnotes at end of table.

Table B2 World Gross Domestic Product at Market Exchange Rates, 1986 - 1995 (Continued)
(Millions of 1987 U.S. Dollars)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Bahrain.....	3,181	3,170	3,537	3,598	3,642	3,820	4,105	4,336	4,434	4,554
Cyprus.....	3,458	3,702	4,022	4,345	4,661	4,695	5,190	5,277	5,548	5,824
Iran.....	139,769	137,665	129,917	134,886	148,736	163,604	174,663	179,220	182,677	190,341
Iraq.....	44,358	43,702	39,332	42,282	29,301	14,475	11,580	—	—	—
Israel.....	36,660	39,300	40,091	40,441	43,105	46,411	49,782	51,604	54,957	58,840
Jordan.....	6,230	6,390	6,360	5,499	5,595	5,694	6,334	6,699	7,081	7,535
Kuwait.....	20,879	22,369	20,714	24,484	19,240	8,157	15,597	21,644	21,865	22,400
Lebanon.....	—	—	—	—	—	—	—	—	—	—
Oman.....	8,115	7,811	8,268	8,557	9,197	10,072	10,765	11,518	11,665	12,453
Qatar.....	—	—	5,813	5,980	6,502	5,847	6,327	6,422	6,435	6,499
Saudi Arabia.....	74,871	73,552	79,030	79,028	85,866	95,951	96,933	96,316	96,809	96,701
Syria.....	11,286	11,356	13,007	11,617	12,598	13,585	15,018	15,607	16,581	17,592
United Arab Emirates.....	22,414	23,800	23,242	26,369	31,087	31,136	31,351	32,160	31,838	32,794
Yemen.....	—	—	—	9,446	9,097	8,742	9,004	9,471	—	—
Africa										
Algeria.....	64,560	64,476	63,497	66,935	66,247	65,522	66,463	65,637	67,278	69,633
Angola.....	—	—	—	—	—	—	—	—	—	—
Benin.....	1,591	1,564	1,623	1,584	1,638	1,717	1,788	1,846	—	—
Botswana.....	1,418	1,543	1,786	2,017	2,137	2,327	2,479	2,474	2,574	—
Burkina.....	2,003	2,023	2,143	2,211	2,205	2,343	2,358	2,367	—	—
Burundi.....	1,069	1,129	1,184	1,202	1,245	1,313	1,348	1,273	—	—
Cameroon.....	12,762	12,108	11,012	11,138	10,353	9,846	9,628	8,718	8,326	8,451
Cape Verde.....	172	183	195	201	206	217	224	233	—	—
Central African Republic.....	1,076	1,046	1,072	1,100	1,108	1,091	1,088	1,042	—	—
Chad.....	842	819	952	1,001	1,008	1,077	1,080	1,049	—	—
Comoros.....	193	196	202	198	200	204	208	210	—	—
Congo.....	2,293	2,298	2,339	2,403	2,425	2,461	2,541	2,487	—	—
Cote d'Ivoire (Ivory Coast).....	10,542	10,374	10,166	10,065	9,853	9,774	9,774	9,667	9,783	10,028
Djibouti.....	382	380	382	373	370	375	384	375	—	—
Egypt.....	34,672	35,545	37,038	38,147	39,060	39,894	40,031	40,238	41,826	43,732
Equatorial Guinea.....	115	120	123	122	126	125	142	152	—	—
Eritrea.....	—	—	—	—	—	—	—	—	—	—
Ethiopia.....	5,035	5,507	5,615	5,705	5,615	5,584	5,165	5,598	5,693	5,969
Gabon.....	4,100	3,397	3,854	4,107	4,254	4,535	4,428	4,539	4,630	4,732
Gambia, The.....	239	242	257	272	273	296	279	299	—	—
Ghana.....	4,850	5,075	5,356	5,619	5,791	6,092	6,314	6,617	6,862	7,191
Guinea.....	1,983	2,042	2,159	2,227	2,321	2,379	2,457	2,567	—	—
Guinea-Bissau.....	157	168	182	192	200	209	217	225	—	—
Kenya.....	7,529	7,972	8,462	8,860	9,230	9,365	9,295	9,394	9,762	10,195
Lesotho.....	350	370	421	473	492	501	516	548	—	—
Liberia.....	1,023	1,013	1,013	1,033	1,054	1,075	1,097	1,113	—	—
Libya.....	21,260	20,580	20,724	20,857	22,671	23,174	23,221	22,615	23,045	23,552
Madagascar.....	2,536	2,566	2,653	2,761	2,849	2,659	2,689	2,739	2,738	2,787
Malawi.....	1,145	1,161	1,197	1,203	1,275	1,390	1,288	1,408	1,245	—
Mali.....	1,942	1,965	1,960	2,191	2,200	2,146	2,313	2,296	—	—
Mauritania.....	890	910	926	965	945	972	989	1,042	—	—
Mauritius.....	1,666	1,831	1,951	2,034	2,182	2,270	2,409	2,545	—	—
Morocco.....	19,178	18,746	20,665	21,137	21,936	23,221	22,298	22,056	24,600	23,001
Mozambique.....	1,180	1,336	1,464	1,559	1,575	1,652	1,639	1,952	2,063	—
Namibia.....	1,673	1,726	1,849	1,876	1,883	2,008	2,139	2,122	2,237	2,296
Niger.....	2,296	2,233	2,345	2,261	2,378	2,438	2,279	2,312	—	—
Nigeria.....	27,167	27,111	29,762	31,745	33,510	35,206	37,251	37,823	38,329	39,349
Reunion.....	—	—	—	—	—	—	—	—	—	—
Rwanda.....	2,186	2,152	2,283	2,270	2,151	2,280	2,354	2,117	—	—
Saint Helena.....	—	—	—	—	—	—	—	—	—	—
Sao Tome and Principe.....	56	55	57	58	57	58	59	59	—	—
Senegal.....	4,423	4,599	4,832	4,815	5,030	5,091	5,157	5,051	—	—
Seychelles.....	238	249	260	287	308	316	338	358	—	—
Sierra Leone.....	525	554	565	581	609	625	600	601	602	585
Somalia.....	961	1,010	1,003	1,002	986	—	—	—	—	—
South Africa.....	80,437	82,071	85,502	87,672	87,252	86,372	84,162	85,319	87,303	90,156
Sudan.....	9,955	10,173	9,735	10,452	10,293	10,360	11,531	12,338	—	—
Swaziland.....	546	587	608	630	652	658	647	665	699	—

Table B2 World Gross Domestic Product at Market Exchange Rates, 1986 - 1995 (Continued)
(Millions of 1987 U.S. Dollars)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Tanzania.....	3,363	3,524	3,780	4,094	4,385	4,527	4,526	4,643	4,784	--
Togo.....	1,243	1,249	1,327	1,380	1,382	1,370	1,241	1,083	--	--
Tunisia.....	9,054	9,651	9,673	9,843	10,591	10,994	11,870	12,128	12,536	12,848
Uganda.....	6,061	6,299	6,812	7,264	7,667	7,969	8,142	8,737	9,562	--
Western Sahara.....	--	--	--	--	--	--	--	--	--	--
Zaire.....	7,460	7,660	7,703	7,550	7,376	6,845	6,120	--	--	--
Zambia.....	2,015	2,078	2,193	2,174	2,185	2,175	2,162	2,271	--	--
Zimbabwe.....	5,469	5,380	5,904	6,278	6,398	6,552	6,205	6,492	6,758	6,623
Far East & Oceania										
Afghanistan.....	--	--	--	--	--	--	--	--	--	--
American Samoa.....	--	--	--	--	--	--	--	--	--	--
Australia.....	199,261	209,350	218,635	225,140	223,690	224,110	231,385	241,216	253,243	261,363
Bangladesh.....	16,907	17,601	18,100	18,546	19,779	20,447	21,299	22,238	23,263	24,297
Bhutan.....	233	278	287	295	311	327	339	354	--	--
Brunei.....	2,754	2,822	2,917	2,996	3,026	3,056	--	--	--	--
Burma.....	10,994	10,543	9,333	9,682	9,942	9,855	10,784	11,413	12,190	13,382
Cambodia.....	--	2,536	3,013	3,069	3,065	3,459	3,462	3,718	--	--
China.....	228,177	253,523	282,197	294,004	305,614	331,405	378,921	432,158	483,589	532,915
Cook Islands.....	--	--	--	--	--	--	--	--	--	--
Fiji.....	1,276	1,187	1,195	1,359	1,426	1,440	1,488	1,516	--	--
French Polynesia.....	--	--	--	--	--	--	--	--	--	--
Guam.....	--	--	--	--	--	--	--	--	--	--
Hong Kong.....	41,159	47,139	51,045	52,493	54,192	56,410	59,424	62,694	66,008	69,098
India.....	245,300	256,933	282,510	301,124	316,759	319,131	333,712	343,124	356,162	378,600
Indonesia.....	72,395	75,932	80,340	86,282	92,361	98,553	104,935	111,585	119,772	129,367
Japan.....	2,312,017	2,408,963	2,560,422	2,682,717	2,813,754	2,934,607	2,966,547	2,968,474	2,983,316	3,007,183
Kiribati.....	27	26	29	28	27	27	28	28	--	--
Korea, North.....	--	--	--	--	--	--	--	--	--	--
Korea, South.....	121,979	136,317	151,726	161,500	177,116	193,417	203,418	214,455	231,415	252,132
Laos.....	1,104	1,087	1,065	1,216	1,303	1,350	1,444	1,529	1,654	1,770
Macau.....	1,997	2,245	2,416	2,555	2,759	2,845	2,987	3,321	--	--
Malaysia.....	29,986	31,602	34,427	37,597	41,256	44,827	48,326	52,417	57,003	62,397
Maldives.....	62	66	73	80	92	99	104	111	118	126
Mongolia.....	3,287	3,348	3,633	3,823	3,735	3,422	3,128	3,078	--	--
Nauru.....	--	--	--	--	--	--	--	--	--	--
Nepal.....	2,909	2,957	3,185	3,323	3,478	3,696	3,844	3,959	4,247	4,369
New Caledonia.....	--	--	--	--	--	--	--	--	--	--
New Zealand.....	36,381	36,903	36,612	37,182	38,210	36,515	37,599	39,600	40,832	41,240
Niue.....	--	--	--	--	--	--	--	--	--	--
Pakistan.....	31,334	33,353	35,949	37,671	39,355	41,502	44,733	45,621	47,465	49,589
Papua New Guinea.....	3,063	3,143	3,237	3,177	3,081	3,395	3,818	4,487	--	--
Philippines.....	31,821	33,196	35,441	37,645	38,653	38,572	38,682	39,440	41,144	43,129
Singapore.....	18,481	20,232	22,496	24,571	26,714	28,500	30,218	33,219	36,573	39,775
Solomon Islands.....	160	164	170	184	187	193	209	--	--	--
Sri Lanka.....	6,720	6,800	6,984	7,132	7,582	7,921	8,245	8,815	--	--
Taiwan.....	92,322	103,641	112,285	121,245	127,962	137,623	146,197	154,998	164,422	174,108
Thailand.....	46,109	50,535	57,250	64,215	71,759	77,522	83,381	89,899	97,579	108,017
Tonga.....	45	46	44	45	45	47	48	50	53	--
U.S. Pacific Islands.....	--	--	--	--	--	--	--	--	--	--
Vanuatu.....	122	122	123	128	135	137	139	144	--	--
Vietnam.....	32,771	34,069	35,824	38,708	45,008	46,116	50,104	54,149	58,914	64,511
Wake Island.....	--	--	--	--	--	--	--	--	--	--
Western Samoa.....	102	103	101	105	100	100	97	99	--	--

¹ Preliminary.

-- Not applicable.

Notes: The data presented in this table are obtained by converting the gross domestic product (GDP) for each country measured in 1987 foreign currency units to U.S. dollars using 1987 annual average foreign currency market exchange rates. GDP figures theoretically should be converted by using purchasing power parity (PPP) rates to avoid the problem that the market exchange rate for a foreign currency is not a precise reflection of the purchasing power of that currency. In practice, it is often difficult to find generally agreeable PPP rates for some countries.

Sources: World Bank, World Tables 1995. International Monetary Fund, International Financial Statistics, various issues. U.S. Department of Commerce, Bureau of Economic Analysis, Survey of Current Business, various issues. WEFA Group, Asia Economic Outlook, November 1996; Eurasia Economic Outlook, August 1996; Latin America Economic Outlook, August 1996; Middle East and Africa Economic Outlook, August 1996; and World Economic Outlook, August 1996.

Appendix C

Conversion Factors and Heat Contents

Table C1 General Conversion Factors

Product Unit	Equivalent
Refined Petroleum Products	
Barrels per Metric Ton	
Asphalt	6.06
Distillate Fuel Oil	7.46
Gasoline, Aviation	8.90
Gasoline, Motor	8.53
Greases	6.30
Jet Fuel, Kerosene-Type	7.93
Jet Fuel, Naphtha-Type	8.27
Kerosene	7.73
Liquefied Petroleum Gas (LPG)	11.60
Lubricants	7.00
Miscellaneous Products	8.04
Naphthas	8.22
Natural Gas Liquids (NGL)	10.40
Natural Gasoline	10.00
Paraffin Oil	7.14
Paraffin Wax	7.87
Petrolatum	7.87
Petroleum Coke	5.51
Residual Fuel Oil	6.66
White Spirits	8.50
Crude Oil	
Barrels per Metric Ton	See Table C2 on next page.
Liquid Fuels	
42 U.S. gallons	1 barrel
1 cubic meter	6.289 barrels
159 liters	1 barrel
Gaseous Fuels	
35,315 cubic feet	1 cubic meter
Solid Fuels	
1 Long Ton	1.120 short tons
1 Metric Ton	1.102 short tons
Heat	
1 Exa (10 ¹⁸) Joule	.9478 Quadrillion (10 ¹⁵) Btu
1 Quadrillion (10 ¹⁵) Btu	1.055056 Exa (10 ¹⁸) Joules

Table C2 Barrels of Crude Oil Per Metric Ton, 1986 - 1995

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Canada.....	7.453	7.453	7.453	7.453	7.186	7.186	7.186	7.186	7.186	7.186
Mexico.....	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965
United States.....	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333
Central & South America										
Argentina.....	7.149	7.149	7.149	7.149	7.120	7.120	7.120	7.120	7.120	7.120
Bolivia.....	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881
Brazil.....	7.268	7.268	7.268	7.268	7.056	7.056	7.056	7.056	7.056	7.056
Chile.....	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Colombia.....	7.084	7.084	7.084	7.084	7.080	7.080	7.080	7.080	7.080	7.080
Cuba.....	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449
Ecuador.....	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130
Peru.....	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407
Trinidad and Tobago.....	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
Venezuela.....	6.880	6.880	6.880	6.880	6.890	6.890	6.890	6.890	6.890	6.890
Western Europe										
Austria.....	7.082	7.082	7.082	7.082	7.200	7.200	7.200	7.200	7.200	7.200
Denmark.....	7.689	7.689	7.689	7.689	7.405	7.405	7.405	7.405	7.405	7.405
France.....	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Germany.....	—	—	—	—	—	7.330	7.330	7.330	7.330	7.330
Germany, East.....	7.340	7.340	7.340	7.340	7.340	—	—	—	—	—
Germany, West.....	7.247	7.247	7.247	7.247	7.247	—	—	—	—	—
Greece.....	7.178	7.178	7.178	7.178	7.231	7.231	7.231	7.231	7.231	7.231
Italy.....	6.853	6.853	6.853	6.853	7.300	7.300	7.300	7.300	7.300	7.300
Netherlands.....	6.853	6.853	6.853	6.853	7.239	7.239	7.239	7.239	7.239	7.239
Norway.....	7.810	7.810	7.810	7.810	7.644	7.644	7.644	7.644	7.644	7.644
Spain.....	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Sweden.....	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247
Turkey.....	7.150	7.150	7.150	7.150	7.200	7.200	7.200	7.200	7.200	7.200
United Kingdom.....	7.466	7.466	7.466	7.466	7.523	7.523	7.523	7.523	7.523	7.523
Former Yugoslavia.....	7.418	7.418	7.418	7.418	7.418	7.418	—	—	—	—
Croatia.....	—	—	—	—	—	—	7.418	7.418	7.418	7.418
Serbia and Montenegro.....	—	—	—	—	—	—	7.418	7.418	7.418	7.418
Slovenia.....	—	—	—	—	—	—	—	7.418	7.418	7.418
Eastern Europe & Former U.S.S.R.										
Albania.....	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594
Bulgaria.....	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Former Czechoslovakia.....	6.780	6.780	6.780	6.780	6.780	6.780	6.780	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	6.780	6.780	6.780
Slovakia.....	—	—	—	—	—	—	—	6.780	6.780	6.780
Hungary.....	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690
Poland.....	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Romania.....	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Former U.S.S.R.....	7.270	7.270	7.270	7.270	7.270	7.270	—	—	—	—
Azerbaijan.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270
Belarus.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270
Georgia.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270
Lithuania.....	—	—	—	—	—	—	—	7.270	7.270	7.270
Kazakhstan.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270
Kyrgyzstan.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270
Russia.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270
Tajikistan.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270
Turkmenistan.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270
Ukraine.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270
Uzbekistan.....	—	—	—	—	—	—	7.270	7.270	7.270	7.270

See footnotes at end of table.

Table C2 Barrels of Crude Oil Per Metric Ton, 1986 - 1995 (Continued)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Middle East										
Bahrain.....	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Iran.....	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305
Iraq.....	7.426	7.426	7.426	7.426	7.430	7.430	7.430	7.430	7.430	7.430
Israel.....	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247
Jordan.....	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190
Kuwait.....	7.245	7.245	7.245	7.245	7.250	7.250	7.250	7.250	7.250	7.250
Oman.....	7.332	7.332	7.332	7.332	7.330	7.330	7.330	7.330	7.330	7.330
Qatar.....	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Saudi Arabia.....	7.268	7.268	7.268	7.268	7.323	7.323	7.323	7.323	7.323	7.323
Syria.....	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836
United Arab Emirates.....	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480
Yemen.....	7.627	7.636	7.632	7.632	7.631	7.631	7.631	7.631	7.631	7.631
Africa										
Algeria.....	7.936	7.936	7.936	7.936	8.130	8.130	8.130	8.130	8.130	8.130
Angola.....	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409
Benin.....	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870
Cameroon.....	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205
Congo.....	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Cote d'Ivoire (Ivory Coast).....	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Egypt.....	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256
Equatorial Guinea.....	--	--	--	--	--	8.077	8.077	8.077	8.077	8.077
Gabon.....	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305
Ghana.....	7.285	--	--	--	--	--	7.285	7.285	7.285	7.285
Libya.....	7.515	7.515	7.515	7.515	7.580	7.580	7.580	7.580	7.580	7.580
Morocco.....	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600
Nigeria.....	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315
South Africa.....	--	--	--	--	--	--	9.853	9.853	9.853	9.853
Sudan.....	--	--	--	--	--	--	7.452	7.452	7.452	7.452
Tunisia.....	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689
Zaire.....	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Far East & Oceania										
Australia.....	7.855	7.855	7.855	7.855	7.868	7.868	7.868	7.868	7.868	7.868
Bangladesh.....	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453
Brunei.....	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340
Burma.....	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
China.....	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
India.....	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600
Indonesia.....	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558
Japan.....	7.285	7.285	7.285	7.285	7.357	7.357	7.357	7.357	7.357	7.357
Malaysia.....	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641
New Zealand.....	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127
Pakistan.....	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Papua New Guinea.....	--	--	--	--	--	7.809	7.809	7.809	7.809	7.809
Philippines.....	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Taiwan.....	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568
Thailand.....	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758
Vietnam.....	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082

-- Not applicable.

Sources: See sources at the end of Section 3.

Table C3 Gross Heat Content of Crude Oil, 1986 - 1995
(Thousand Btu per Barrel)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Canada.....	5,810	5,810	5,810	5,810	5,810	5,810	5,810	5,810	5,810	5,810
Mexico.....	6,010	6,010	6,010	6,010	6,010	6,010	6,010	6,010	6,010	6,010
United States.....	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800	5,800
Central & South America										
Argentina.....	5,993	5,993	5,993	5,993	5,993	5,993	5,993	5,993	5,993	5,993
Bolivia.....	5,574	5,575	5,574	5,574	5,574	5,574	5,574	5,574	5,574	5,574
Brazil.....	5,910	5,910	5,910	5,910	5,910	5,910	5,910	5,910	5,910	5,910
Chile.....	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780
Colombia.....	6,023	6,023	6,023	6,023	6,023	6,023	6,023	6,023	6,023	6,023
Cuba.....	6,394	6,394	6,393	6,393	6,393	6,393	6,393	6,393	6,393	6,393
Ecuador.....	5,986	5,986	5,986	5,986	5,986	5,986	5,986	5,986	5,986	5,986
Peru.....	5,831	5,831	5,831	5,831	5,831	5,831	5,831	5,831	5,831	5,831
Trinidad and Tobago.....	6,023	6,023	6,023	6,023	6,023	6,023	6,023	6,023	6,023	6,023
Venezuela.....	6,135	6,135	6,135	6,135	6,135	6,135	6,135	6,135	6,135	6,135
Western Europe										
Austria.....	6,021	6,021	6,020	6,020	6,020	6,020	6,020	6,020	6,020	6,020
Denmark.....	5,677	5,677	5,677	5,677	5,677	5,677	5,677	5,677	5,677	5,677
France.....	5,869	5,869	5,869	5,869	5,869	5,869	5,869	5,869	5,869	5,869
Germany.....	—	—	—	—	—	5,926	5,926	5,926	5,926	5,926
Germany, East.....	5,863	5,863	5,874	5,874	5,874	—	—	—	—	—
Germany, West.....	5,927	5,927	5,927	5,927	5,927	—	—	—	—	—
Greece.....	5,927	5,927	5,926	5,926	5,926	5,926	5,926	5,926	5,926	5,926
Italy.....	6,158	6,158	6,158	6,158	6,158	6,158	6,158	6,158	6,158	6,158
Netherlands.....	6,158	6,158	6,158	6,158	6,158	6,158	6,158	6,158	6,158	6,158
Norway.....	5,620	5,620	5,620	5,620	5,620	5,620	5,620	5,620	5,620	5,620
Spain.....	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780
Sweden.....	5,936	5,936	6,148	6,148	6,148	6,148	6,148	6,148	6,148	6,148
Turkey.....	5,976	5,976	5,976	5,976	5,976	5,976	5,976	5,976	5,976	5,976
United Kingdom.....	5,803	5,803	5,803	5,803	5,803	5,803	5,803	5,803	5,803	5,803
Former Yugoslavia.....	5,823	5,823	5,823	5,823	5,823	5,823	—	—	—	—
Croatia.....	—	—	—	—	—	—	5,823	5,823	5,823	5,823
Serbia and Montenegro.....	—	—	—	—	—	—	5,823	5,823	5,823	5,823
Slovenia.....	—	—	—	—	—	—	—	5,823	5,823	5,823
Eastern Europe & Former U.S.S.R.										
Albania.....	6,305	6,305	6,305	6,305	6,305	6,305	6,305	6,305	6,305	6,305
Bulgaria.....	5,881	5,881	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879
Former Czechoslovakia.....	6,210	6,210	6,211	6,211	6,211	6,211	6,211	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	6,211	6,211	6,211
Slovakia.....	—	—	—	—	—	—	—	6,211	6,211	6,211
Hungary.....	6,249	6,249	6,249	6,249	6,249	6,249	6,249	6,249	6,249	6,249
Poland.....	5,822	5,826	5,820	5,820	5,820	5,820	5,820	5,820	5,820	5,820
Romania.....	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780
Former U.S.S.R.....	5,880	5,880	5,880	5,880	5,880	5,880	—	—	—	—
Azerbaijan.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880
Belarus.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880
Georgia.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880
Kazakhstan.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880
Kyrgyzstan.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880
Lithuania.....	—	—	—	—	—	—	—	5,880	5,880	5,880
Russia.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880
Tajikistan.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880
Turkmenistan.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880
Ukraine.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880
Uzbekistan.....	—	—	—	—	—	—	5,880	5,880	5,880	5,880

See footnotes at end of table.

Table C3 Gross Heat Content of Crude Oil, 1986 - 1995 (Continued)
(Thousand Btu per Barrel)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Middle East										
Bahrain.....	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879
Iran.....	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888
Iraq.....	5,820	5,820	5,820	5,820	5,820	5,820	5,820	5,820	5,820	5,820
Israel.....	5,918	5,952	5,920	5,920	5,920	5,920	5,920	5,920	5,920	5,920
Jordan.....	5,973	5,973	5,956	5,956	5,956	5,956	5,956	5,956	5,956	5,956
Kuwait.....	5,921	5,921	5,921	5,921	5,921	5,921	5,921	5,921	5,921	5,921
Oman.....	5,869	5,869	5,869	5,869	5,869	5,869	5,869	5,869	5,869	5,869
Qatar.....	5,777	5,777	5,777	5,777	5,777	5,777	5,777	5,777	5,777	5,777
Saudi Arabia.....	5,910	5,910	5,910	5,910	5,910	5,910	5,910	5,910	5,910	5,910
Syria.....	6,158	6,158	6,158	6,158	6,158	6,158	6,158	6,158	6,158	6,158
United Arab Emirates.....	5,788	5,788	5,788	5,788	5,788	5,788	5,788	5,788	5,788	5,788
Yemen.....	5,712	5,744	5,728	5,729	5,725	5,725	5,725	5,725	5,725	5,725
Africa										
Algeria.....	5,555	5,555	5,555	5,555	5,555	5,555	5,555	5,555	5,555	5,555
Angola.....	5,828	5,828	5,828	5,828	5,828	5,828	5,828	5,828	5,828	5,828
Benin.....	6,140	6,141	6,142	6,142	6,142	6,142	6,142	6,142	6,142	6,142
Cameroon.....	5,948	5,948	5,948	5,948	5,948	5,948	5,948	5,948	5,948	5,948
Congo.....	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780	5,780
Cote d'Ivoire (Ivory Coast).....	5,900	5,900	5,899	5,899	5,899	5,899	5,899	5,899	5,899	5,899
Egypt.....	5,922	5,922	5,922	5,922	5,922	5,922	5,922	5,922	5,922	5,922
Equatorial Guinea.....	—	—	—	—	—	5,464	5,464	5,464	5,464	5,464
Gabon.....	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888	5,888
Ghana.....	5,936	—	—	—	—	—	5,936	5,936	5,936	5,936
Libya.....	5,775	5,775	5,775	5,775	5,775	5,775	5,775	5,775	5,775	5,775
Morocco.....	5,720	5,753	5,738	5,738	5,738	5,738	5,738	5,738	5,738	5,738
Nigeria.....	5,880	5,880	5,880	5,880	5,880	5,880	5,880	5,880	5,880	5,880
South Africa.....	—	—	—	—	—	—	4,649	4,649	4,649	4,649
Sudan.....	—	—	—	—	—	—	5,084	5,084	5,084	5,084
Tunisia.....	5,677	5,677	5,677	5,677	5,677	5,677	5,677	5,677	5,677	5,677
Zaire.....	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879
Far East & Oceania										
Australia.....	5,578	5,578	5,578	5,578	5,578	5,578	5,578	5,578	5,578	5,578
Bangladesh.....	5,829	5,808	5,792	5,792	5,792	5,792	5,792	5,792	5,792	5,792
Brunei.....	5,865	5,865	5,865	5,865	5,865	5,865	5,865	5,865	5,865	5,865
Burma.....	6,021	6,019	6,020	6,020	6,020	6,020	6,020	6,020	6,020	6,020
China.....	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879	5,879
India.....	5,729	5,729	5,729	5,729	5,729	5,729	5,729	5,729	5,729	5,729
Indonesia.....	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740
Japan.....	5,901	5,900	5,899	5,899	5,899	5,899	5,899	5,899	5,899	5,899
Malaysia.....	5,697	5,697	5,697	5,697	5,697	5,697	5,697	5,697	5,697	5,697
New Zealand.....	5,441	5,441	5,441	5,441	5,441	5,441	5,441	5,441	5,441	5,441
Pakistan.....	5,777	5,777	5,777	5,777	5,777	5,777	5,777	5,777	5,777	5,777
Papua New Guinea.....	—	—	—	—	—	5,607	5,607	5,607	5,607	5,607
Philippines.....	5,901	5,900	5,902	5,902	5,902	5,902	5,902	5,902	5,902	5,902
Taiwan.....	6,315	6,320	6,321	6,321	6,321	6,321	6,321	6,321	6,321	6,321
Thailand.....	6,317	6,317	6,317	6,317	6,317	6,317	6,317	6,317	6,317	6,317
Vietnam.....	6,027	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022	6,022

— Not applicable.

Sources: See sources at the end of Section 3.

Table C4 Gross Heat Content of Natural Gas Plant Liquids, 1986 - 1995
(Thousand Btu per Barrel)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Canada.....	3,980	3,980	3,980	3,980	3,980	3,980	3,980	3,980	3,980	3,980
Mexico.....	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620	3,620
United States.....	3,797	3,804	3,800	3,826	3,822	3,807	3,804	3,801	3,794	3,796
Central & South America										
Argentina.....	3,820	3,820	3,820	3,820	3,820	3,820	3,820	3,820	3,820	3,820
Bolivia.....	4,132	4,130	4,130	4,130	4,130	4,130	4,130	4,130	4,130	4,130
Brazil.....	4,251	4,250	4,250	4,250	4,250	4,250	4,250	4,250	4,250	4,250
Chile.....	4,151	4,151	4,150	4,150	4,150	4,150	4,150	4,150	4,150	4,150
Colombia.....	3,288	3,283	3,286	3,286	3,286	3,286	3,286	3,286	3,286	3,286
Cuba.....	4,342	4,342	4,344	4,344	4,344	4,344	4,344	4,344	4,344	4,344
Ecuador.....	4,233	4,233	4,235	4,235	4,235	4,235	4,235	4,235	4,235	4,235
Peru.....	4,630	4,630	4,617	4,617	4,617	4,617	4,617	4,617	4,617	4,617
Trinidad and Tobago.....	--	--	--	--	--	4,344	4,344	4,344	4,344	4,344
Venezuela.....	4,195	4,195	4,195	4,195	4,195	4,195	4,195	4,195	4,195	4,195
Western Europe										
Austria.....	4,274	4,247	4,262	4,262	4,262	4,262	4,262	4,262	4,262	4,262
France.....	4,386	4,386	4,385	4,385	4,385	4,385	4,385	4,385	4,385	4,385
Greece.....	4,050	4,050	4,050	4,050	4,050	4,050	4,050	4,050	4,050	4,050
Italy.....	4,247	4,258	4,259	4,259	4,259	4,259	4,259	4,259	4,259	4,259
Netherlands.....	4,349	4,349	4,347	4,347	4,347	4,347	4,347	4,347	4,347	4,347
Norway.....	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348
Spain.....	4,348	4,347	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348
United Kingdom.....	4,490	4,490	4,490	4,490	4,490	4,490	4,490	4,490	4,490	4,490
Former Yugoslavia.....	4,349	4,349	4,349	4,349	4,349	4,349	--	--	--	--
Croatia.....	--	--	--	--	--	--	4,349	4,349	4,349	4,349
Eastern Europe & Former U.S.S.R.										
Former Czechoslovakia.....	4,658	4,658	4,645	4,645	4,645	4,645	4,645	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	4,645	4,645	4,645
Hungary.....	4,387	4,387	4,386	4,386	4,386	4,386	4,386	4,386	4,386	4,386
Poland.....	4,438	4,438	4,454	4,454	4,454	4,454	4,454	4,454	4,454	4,454
Romania.....	4,619	4,619	4,619	4,619	4,619	4,619	4,619	4,619	4,619	4,619
Former U.S.S.R.....	4,150	4,150	4,150	4,150	4,150	4,150	--	--	--	--
Azerbaijan.....	--	--	--	--	--	--	4,150	4,150	4,150	4,150
Kazakstan.....	--	--	--	--	--	--	4,150	4,150	4,150	4,150
Kyrgyzstan.....	--	--	--	--	--	--	4,150	4,150	4,150	4,150
Russia.....	--	--	--	--	--	--	4,150	4,150	4,150	4,150
Tajikistan.....	--	--	--	--	--	--	4,150	4,150	4,150	4,150
Turkmenistan.....	--	--	--	--	--	--	4,150	4,150	4,150	4,150
Ukraine.....	--	--	--	--	--	--	4,150	4,150	4,150	4,150
Uzbekistan.....	--	--	--	--	--	--	4,150	4,150	4,150	4,150
Middle East										
Bahrain.....	4,288	4,286	4,287	4,287	4,287	4,287	4,287	4,287	4,287	4,287
Iran.....	4,349	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348
Iraq.....	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348
Kuwait.....	4,190	4,190	4,190	4,190	4,190	4,190	4,190	4,190	4,190	4,190
Oman.....	4,582	4,580	4,581	4,581	4,581	4,581	4,581	4,581	4,581	4,581
Qatar.....	3,790	3,790	3,790	3,790	3,790	3,790	3,790	3,790	3,790	3,790
Saudi Arabia.....	4,265	4,265	4,265	4,265	4,265	4,265	4,265	4,265	4,265	4,265
Syria.....	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300
United Arab Emirates.....	4,532	4,532	4,532	4,532	4,532	4,532	4,532	4,532	4,532	4,532

See footnotes at end of table.

Table C4 Gross Heat Content of Natural Gas Plant Liquids, 1986 - 1995 (Continued)
(Thousand Btu per Barrel)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Africa										
Algeria.....	5,080	5,080	5,080	5,080	5,080	5,080	5,080	5,080	5,080	5,080
Egypt.....	4,939	4,940	4,940	4,940	4,940	4,940	4,940	4,940	4,940	4,940
Libya.....	4,350	4,350	4,350	4,350	4,350	4,350	4,350	4,350	4,350	4,350
Tunisia.....	--	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300
Far East & Oceania										
Australia.....	4,290	4,290	4,290	4,290	4,290	4,290	4,290	4,290	4,290	4,290
Bangladesh.....	4,050	4,050	4,050	4,050	4,050	4,050	4,050	4,050	4,050	4,050
Brunei.....	4,504	4,506	4,506	4,506	4,506	4,506	4,506	4,506	4,506	4,506
Burma.....	--	--	4,348	4,348	4,348	4,348	4,348	4,348	4,348	4,348
India.....	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600
Indonesia.....	4,060	4,060	4,060	4,060	4,060	4,060	4,060	4,060	4,060	4,060
Japan.....	4,326	4,326	4,327	4,327	4,327	4,327	4,327	4,327	4,327	4,327
Malaysia.....	4,411	4,411	4,410	4,410	4,410	4,410	4,410	4,410	4,410	4,410
New Zealand.....	4,073	4,073	4,075	4,075	4,075	4,075	4,075	4,075	4,075	4,075
Pakistan.....	4,384	4,384	4,372	4,372	4,372	4,372	4,372	4,372	4,372	4,372
Taiwan.....	3,836	3,836	3,825	3,825	3,825	3,825	3,825	3,825	3,825	3,825
Thailand.....	4,349	4,350	4,349	4,349	4,349	4,349	4,349	4,349	4,349	4,349

-- Not applicable.

Sources: See sources at the end of Section 3.

Table C5 Gross Heat Content of Dry Natural Gas, 1986 - 1995
(Btu per Cubic Foot)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Canada.....	1,014	1,015	1,017	1,014	1,014	1,015	1,017	1,017	1,035	1,035
Mexico.....	1,008	1,011	1,018	1,018	1,018	1,222	1,220	1,220	1,220	1,220
United States.....	1,030	1,031	1,029	1,031	1,031	1,030	1,030	1,027	1,028	1,028
Central & South America										
Argentina.....	932	933	933	933	933	933	1,083	1,083	1,083	1,083
Barbados.....	1,050	1,033	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Bolivia.....	932	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Brazil.....	1,033	1,033	1,033	1,033	1,175	1,175	1,174	1,174	1,174	1,174
Chile.....	999	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Colombia.....	1,145	929	929	929	929	929	929	929	929	929
Cuba.....	1,045	1,045	1,045	1,045	1,047	1,047	1,047	1,047	1,047	1,047
Ecuador.....	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300	1,300
Peru.....	999	999	999	999	929	929	929	929	929	929
Trinidad and Tobago.....	1,047	1,047	1,047	1,047	1,045	1,045	1,045	1,045	1,045	1,045
Venezuela.....	1,139	1,139	1,139	1,139	1,191	1,191	1,191	1,191	1,191	1,191
Western Europe										
Austria.....	1,079	1,079	1,074	1,074	1,074	1,060	1,060	1,063	1,063	1,063
Belgium.....	944	944	944	944	1,065	1,065	1,065	1,065	1,065	1,065
Denmark.....	1,092	1,090	1,091	1,092	1,089	1,092	1,091	1,093	1,099	1,099
Finland.....	1,052	1,052	1,051	1,051	1,051	1,051	1,051	1,051	1,051	1,051
France.....	952	1,045	1,098	1,091	1,092	1,101	1,102	1,052	1,052	1,052
Germany.....	--	--	--	--	--	893	893	895	895	895
Germany, East.....	385	385	385	385	351	--	--	--	--	--
Germany, West.....	888	888	888	888	888	--	--	--	--	--
Greece.....	1,439	1,439	1,443	1,443	1,399	1,476	1,449	1,428	1,558	1,558
Ireland.....	1,008	1,008	1,008	1,010	1,009	1,010	1,010	1,009	1,009	1,009
Italy.....	1,040	1,043	1,042	1,039	1,038	1,013	1,013	1,001	1,001	1,001
Luxembourg.....	1,079	1,079	1,079	1,079	1,088	1,093	1,093	1,092	1,094	1,094
Netherlands.....	894	894	894	894	894	894	894	894	894	894
Norway.....	1,079	1,085	1,085	1,085	1,091	1,088	1,093	1,099	1,113	1,113
Spain.....	1,149	1,143	1,143	1,140	1,140	1,140	1,140	1,156	1,156	1,156
Sweden.....	1,045	1,045	1,045	1,045	1,045	1,043	1,043	1,043	1,043	1,043
Switzerland.....	1,079	1,079	1,082	1,082	1,082	1,082	1,082	1,082	1,082	1,082
Turkey.....	1,029	1,029	1,028	1,028	1,028	1,028	1,028	1,028	1,028	1,028
United Kingdom.....	1,033	1,033	1,033	1,033	1,094	1,002	1,040	1,038	1,042	1,042
Former Yugoslavia.....	1,112	1,112	1,112	1,112	955	955	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	955	955	955	955
Croatia.....	--	--	--	--	--	--	913	913	912	912
Macedonia, TFYR.....	--	--	--	--	--	--	955	955	955	955
Serbia and Montenegro.....	--	--	--	--	--	--	955	955	955	955
Slovenia.....	--	--	--	--	--	--	955	955	955	955

See footnotes at end of table.

Table C5 Gross Heat Content of Dry Natural Gas, 1986 - 1995 (Continued)
(Btu per Cubic Foot)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Eastern Europe & Former U.S.S.R.										
Albania.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	939	939	939
Bulgaria.....	1,038	1,039	1,038	1,038	943	943	943	943	943	943
Former Czechoslovakia.....	1,047	1,047	1,047	1,047	906	877	877	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	877	877	877
Slovakia.....	--	--	--	--	--	--	--	877	877	877
Hungary.....	1,114	1,114	1,114	1,114	878	878	878	926	926	926
Poland.....	1,023	1,023	1,023	1,023	842	832	871	871	793	793
Romania.....	1,123	1,123	1,123	1,123	1,070	908	909	909	909	909
Former U.S.S.R.....	930	932	932	932	923	911	--	--	--	--
Armenia.....	--	--	--	--	--	--	911	911	911	911
Azerbaijan.....	--	--	--	--	--	--	911	911	911	911
Belarus.....	--	--	--	--	--	--	911	933	933	933
Estonia.....	--	--	--	--	--	--	900	900	900	900
Georgia.....	--	--	--	--	--	--	911	911	911	911
Kazakhstan.....	--	--	--	--	--	--	911	907	911	911
Kyrgyzstan.....	--	--	--	--	--	--	911	911	911	911
Latvia.....	--	--	--	--	--	--	902	902	902	902
Lithuania.....	--	--	--	--	--	--	911	911	911	911
Moldova.....	--	--	--	--	--	--	911	911	911	911
Russia.....	--	--	--	--	--	--	911	911	905	905
Tajikistan.....	--	--	--	--	--	--	911	911	911	911
Turkmenistan.....	--	--	--	--	--	--	911	909	911	911
Ukraine.....	--	--	--	--	--	--	911	911	911	911
Uzbekistan.....	--	--	--	--	--	--	911	911	912	912
Middle East										
Bahrain.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,105	1,105
Iran.....	1,056	1,056	1,058	1,058	1,056	1,056	1,056	1,056	1,056	1,056
Iraq.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Israel.....	1,036	1,038	1,039	1,039	1,039	1,039	1,039	1,039	1,039	1,039
Jordan.....	--	--	--	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Kuwait.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Oman.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Qatar.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Saudi Arabia.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Syria.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
United Arab Emirates.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Africa										
Algeria.....	1,061	1,061	1,061	1,061	1,062	1,062	1,062	1,062	1,062	1,062
Angola.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Congo.....	1,050	1,045	--	--	--	--	--	1,047	1,047	1,047
Cote d'Ivoire (Ivory Coast).....	--	--	--	--	--	--	--	--	--	1,047
Egypt.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Gabon.....	1,050	1,046	1,048	1,048	1,047	1,047	1,047	1,047	1,047	1,047
Libya.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Morocco.....	1,047	1,048	1,045	1,045	1,047	1,047	1,047	1,047	1,047	1,047
Nigeria.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Senegal.....	--	--	--	--	--	--	--	1,047	1,047	1,047
South Africa.....	--	--	--	--	--	--	1,047	1,047	1,047	1,047
Tunisia.....	1,235	1,235	1,235	1,235	1,236	1,236	1,236	1,236	1,236	1,236

See footnotes at end of table.

Table C5 Gross Heat Content of Dry Natural Gas, 1986 - 1995 (Continued)
(Btu per Cubic Foot)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Far East & Oceania										
Afghanistan.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Australia.....	1,049	1,048	1,043	1,043	1,045	1,044	1,063	1,065	1,070	1,070
Bangladesh.....	941	941	941	941	941	941	941	941	941	941
Brunei.....	1,214	1,214	1,214	1,214	1,214	1,154	1,154	1,154	1,154	1,154
Burma.....	1,004	1,004	1,004	1,004	1,004	1,004	1,004	1,004	1,004	1,004
China.....	1,112	1,112	1,112	1,112	1,112	1,112	1,112	1,112	1,112	931
India.....	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036	1,036
Indonesia.....	1,099	1,099	1,099	1,099	1,000	1,000	1,000	1,000	1,000	1,000
Japan.....	1,101	1,101	1,101	1,101	1,101	1,101	1,101	1,101	1,101	1,101
Korea, South.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Malaysia.....	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043	1,043
New Zealand.....	1,006	1,011	1,017	1,019	1,018	1,009	1,012	1,018	1,025	1,025
Pakistan.....	929	929	929	929	934	934	934	934	934	934
Papua New Guinea.....	--	--	--	--	--	--	1,047	1,047	1,047	1,047
Singapore.....	--	--	--	--	--	--	976	976	976	976
Taiwan.....	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047	1,047
Thailand.....	999	999	1,050	1,050	1,000	1,000	1,000	1,000	868	868
Vietnam.....	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025	1,025

-- Not applicable.

Sources: See sources at the end of Section 4.

Table C6 Gross Heat Content of Coal, 1986 - 1995
(Thousand Btu per Short Ton)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Canada.....	22,480	22,252	22,159	22,367	22,543	22,670	22,414	22,485	22,474	22,507
Mexico.....	19,352	19,352	19,352	19,352	19,352	19,352	19,352	19,352	19,352	19,352
United States.....	21,913	21,922	21,823	21,765	21,822	21,681	21,646	21,388	21,352	21,278
Central & South America										
Argentina.....	19,438	19,438	19,438	19,438	19,438	19,438	21,244	21,244	21,244	21,244
Brazil.....	17,459	17,459	17,459	17,459	17,459	17,459	16,000	16,000	16,000	16,000
Chile.....	24,628	24,619	24,655	24,652	24,664	24,666	28,973	29,054	29,105	29,105
Colombia.....	23,405	23,405	23,405	23,405	23,405	23,405	23,405	23,405	23,405	23,405
Peru.....	24,960	24,955	24,958	24,955	24,964	24,970	24,866	23,887	23,847	23,847
Venezuela.....	24,403	24,403	24,403	24,403	24,403	24,403	25,190	29,308	29,308	29,308
Western Europe										
Austria.....	24,082	24,082	24,082	24,082	24,082	24,082	24,082	24,082	24,082	24,082
Belgium.....	18,973	18,785	18,175	18,319	17,229	17,054	17,054	17,054	17,054	17,054
France.....	22,845	22,897	22,878	22,378	22,057	22,335	22,535	22,341	22,347	22,215
Germany.....	-	-	-	-	-	10,205	10,544	10,690	10,596	10,698
Germany, East.....	7,640	7,640	7,640	7,640	7,640	-	-	-	-	-
Germany, West.....	13,483	13,464	13,341	13,208	13,230	-	-	-	-	-
Greece.....	5,444	5,444	5,444	5,444	5,444	5,444	4,479	4,938	4,934	4,934
Ireland.....	24,768	24,768	24,768	24,768	24,768	24,768	23,414	23,604	23,604	23,604
Italy.....	9,161	9,196	9,521	9,932	9,774	9,297	9,298	9,216	9,250	9,179
Norway.....	24,172	24,172	24,172	24,172	24,172	24,172	24,168	24,168	24,168	24,168
Portugal.....	14,763	14,763	14,763	14,763	14,763	14,763	14,763	14,759	14,759	14,759
Spain.....	14,491	14,333	14,830	14,031	13,482	13,423	13,429	13,393	13,877	13,877
Sweden.....	20,642	20,642	20,642	20,642	20,642	20,642	23,404	23,404	23,404	23,404
Turkey.....	8,823	8,804	8,966	8,635	8,563	8,556	8,557	8,747	8,684	8,658
United Kingdom.....	22,689	22,689	22,689	22,689	22,687	22,687	20,860	20,849	20,864	20,865
Former Yugoslavia.....	11,097	10,844	10,754	10,707	10,564	10,425	-	-	-	-
Bosnia and Herzegovina.....	-	-	-	-	-	-	7,958	7,958	7,958	7,958
Croatia.....	-	-	-	-	-	-	20,829	21,004	21,292	21,214
Macedonia, TFYR.....	-	-	-	-	-	-	11,283	11,283	11,283	11,283
Serbia and Montenegro.....	-	-	-	-	-	-	8,059	8,066	8,059	8,047
Slovenia.....	-	-	-	-	-	-	5,243	5,243	5,243	5,243
Eastern Europe & Former U.S.S.R.										
Albania.....	9,325	9,325	9,325	9,325	9,325	9,325	9,325	9,325	9,325	9,325
Bulgaria.....	9,198	9,130	9,097	9,004	8,700	8,700	8,280	9,014	8,989	8,924
Former Czechoslovakia.....	20,726	20,686	20,687	20,669	20,663	20,662	20,783	-	-	-
Czech Republic.....	-	-	-	-	-	-	-	20,891	20,925	20,925
Slovakia.....	-	-	-	-	-	-	-	17,991	18,209	18,093
Hungary.....	10,332	10,296	10,413	10,353	10,309	10,302	11,129	10,660	10,660	10,661
Poland.....	16,518	16,299	16,288	16,117	15,752	15,513	16,118	16,038	16,166	16,314
Romania.....	8,587	8,526	8,330	8,131	8,012	8,029	6,896	7,970	8,086	8,026
Former U.S.S.R.....	15,392	15,393	15,339	15,351	15,507	15,180	-	-	-	-
Estonia.....	-	-	-	-	-	-	8,343	6,704	6,704	6,704
Georgia.....	-	-	-	-	-	-	15,141	15,141	15,141	15,174
Kazakhstan.....	-	-	-	-	-	-	16,565	16,670	12,602	12,602
Kyrgyzstan.....	-	-	-	-	-	-	12,592	12,592	12,592	12,720
Russia.....	-	-	-	-	-	-	15,670	15,686	15,645	15,653
Tajikistan.....	-	-	-	-	-	-	8,343	8,343	8,343	8,343
Ukraine.....	-	-	-	-	-	-	17,377	19,180	19,228	19,322
Uzbekistan.....	-	-	-	-	-	-	11,497	11,517	11,489	11,499

See footnotes at end of table.

Table C6 Gross Heat Content of Coal, 1986 - 1995 (Continued)
(Thousand Btu per Short Ton)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Middle East										
Iran.....	26,232	26,232	26,232	26,232	26,232	26,232	26,232	26,232	26,232	26,232
Africa										
Algeria.....	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403
Botswana.....	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000
Cameroon.....	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000
Malawi.....	22,000	22,000	22,000	22,000	22,000	21,500	21,500	21,500	21,500	21,500
Morocco.....	30,103	30,103	30,103	30,103	30,103	30,103	30,103	30,103	30,103	30,103
Mozambique.....	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403
Niger.....	25,200	25,200	25,200	25,200	25,200	25,200	25,200	25,200	25,200	25,200
Nigeria.....	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403
South Africa.....	25,858	25,861	25,856	25,849	25,843	25,832	25,840	25,835	25,825	25,823
Swaziland.....	23,401	23,400	23,400	23,400	23,399	23,402	23,402	23,391	23,396	23,396
Tanzania.....	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403
Zaire.....	23,927	23,927	23,927	23,927	23,927	23,927	23,927	23,927	23,927	23,927
Zambia.....	23,411	23,411	23,411	23,411	23,411	23,411	24,244	25,308	25,308	25,308
Zimbabwe.....	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403
Far East & Oceania										
Afghanistan.....	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000	22,000
Australia.....	17,716	17,622	17,343	17,309	17,574	17,498	17,540	17,782	17,671	17,824
Bhutan.....	17,500	17,500	17,500	17,500	17,500	17,500	17,500	18,500	18,500	18,500
Burma.....	15,189	16,615	15,536	16,499	15,334	15,840	15,606	15,537	15,559	15,559
China.....	18,147	18,148	18,138	18,121	18,101	18,109	18,100	17,976	17,976	17,976
India.....	17,004	16,966	16,786	16,807	16,762	16,727	16,986	17,041	16,984	16,951
Indonesia.....	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403
Japan.....	21,111	21,102	21,096	21,091	21,086	21,088	21,088	21,088	21,088	21,088
Korea, North.....	22,434	22,349	22,082	21,935	21,772	21,707	21,079	20,849	20,915	20,915
Korea, South.....	16,203	16,203	16,203	16,203	16,203	16,203	16,200	16,200	16,200	16,200
Laos.....	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500
Malaysia.....	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403	24,403
Mongolia.....	10,017	10,146	10,108	10,162	10,175	10,169	9,250	9,249	9,265	9,265
Nepal.....	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
New Zealand.....	22,544	22,928	22,558	22,656	22,591	22,590	22,596	22,621	22,331	22,372
Pakistan.....	19,443	19,443	19,443	19,443	19,443	19,443	19,443	19,443	19,443	19,443
Philippines.....	20,201	20,203	20,204	20,204	20,204	20,204	20,206	20,206	20,206	20,206
Taiwan.....	24,602	24,602	24,602	24,602	24,602	24,602	23,500	22,324	22,324	22,324
Thailand.....	9,894	9,904	9,917	9,902	9,912	9,911	9,415	9,418	9,412	9,412
Vietnam.....	24,403	24,403	24,403	24,403	24,403	24,403	24,403	29,308	29,308	29,308

-- Not applicable.

Note: Heat contents are calculated based on individual heat contents for production of anthracite, bituminous, and lignite.

Sources: See sources at the end of Section 5.

Table C7 Gross Heat Content of Hyrdoelectric Power, 1986 - 1995
(Btu per Kilowatthour)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Canada.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Mexico.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
United States.....	10,446	10,419	10,324	10,317	10,335	10,352	10,302	10,280	10,272	10,272
Central & South America										
Argentina.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Bolivia.....	10,397	10,403	10,403	10,403	10,403	10,403	10,403	10,403	10,403	10,403
Brazil.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Chile.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Colombia.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Costa Rica.....	10,401	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Dominican Republic.....	10,400	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404
Ecuador.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
El Salvador.....	10,397	10,402	10,402	10,402	10,402	10,402	10,402	10,402	10,402	10,402
Guatemala.....	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Haiti.....	10,413	10,410	10,410	10,410	10,410	10,410	10,410	10,410	10,410	10,410
Honduras.....	10,402	10,402	10,402	10,402	10,402	10,402	10,402	10,402	10,402	10,402
Jamaica.....	10,403	10,403	10,403	10,403	10,403	10,403	10,403	10,403	10,403	10,403
Nicaragua.....	10,415	10,415	10,415	10,415	10,415	10,415	10,415	10,415	10,415	10,415
Panama.....	10,400	10,398	10,398	10,398	10,398	10,398	10,398	10,398	10,398	10,398
Paraguay.....	10,400	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Peru.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Puerto Rico.....	10,404	10,389	10,389	10,389	10,389	10,389	10,389	10,389	10,389	10,389
Suriname.....	10,402	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Uruguay.....	10,399	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Venezuela.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Western Europe										
Austria.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Belgium.....	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397
Finland.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
France.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Germany.....	--	--	--	--	--	10,400	10,400	10,400	10,400	10,400
Germany, East.....	10,400	10,400	10,400	10,400	10,400	--	--	--	--	--
Germany, West.....	10,400	10,400	10,400	10,400	10,400	--	--	--	--	--
Greece.....	10,399	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Iceland.....	10,400	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Ireland.....	10,404	10,398	10,398	10,398	10,398	10,398	10,398	10,398	10,398	10,398
Italy.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Luxembourg.....	10,408	10,409	10,409	10,409	10,409	10,409	10,409	10,409	10,409	10,409
Norway.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Portugal.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Spain.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Sweden.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Switzerland.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Turkey.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
United Kingdom.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Former Yugoslavia.....	10,400	10,400	10,400	10,400	10,400	10,400	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Croatia.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Macedonia, TFYR.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Serbia and Montenegro.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Slovenia.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400

See footnotes at end of table.

Table C7 Gross Heat Content of Hyrdoelectric Power, 1986 - 1995 (Continued)
(Btu per Kilowatthour)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Eastern Europe & Former U.S.S.R.										
Albania.....	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Bulgaria.....	10,399	10,398	10,398	10,398	10,398	10,398	10,398	10,398	10,398	10,398
Former Czechoslovakia.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Czech Republic.....	--	--	--	--	--	--	--	10,400	10,400	10,400
Slovakia.....	--	--	--	--	--	--	--	10,400	10,400	10,400
Hungary.....	10,395	10,419	10,419	10,419	10,419	10,419	10,419	10,419	10,419	10,419
Poland.....	10,401	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399
Romania.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Former U.S.S.R.....	10,400	10,400	10,400	10,400	10,400	10,400	--	--	--	--
Armenia.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Azerbaijan.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Georgia.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Kazakhstan.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Kyrgyzstan.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Latvia.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Lithuania.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Moldova.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Russia.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Tajikistan.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Ukraine.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Uzbekistan.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Middle East										
Iran.....	10,399	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Iraq.....	10,404	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397
Israel.....	--	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Jordan.....	10,000	10,526	10,526	10,526	10,526	10,526	10,526	10,526	10,526	10,526
Lebanon.....	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397
Syria.....	10,402	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397
Africa										
Algeria.....	10,400	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404
Angola.....	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Cameroon.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Congo.....	10,390	10,390	10,390	10,390	10,390	10,390	10,390	10,390	10,390	10,390
Cote d'Ivoire (Ivory Coast).....	10,402	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399
Egypt.....	10,400	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Ethiopia.....	10,406	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404
Gabon.....	10,406	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404
Ghana.....	10,401	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Kenya.....	10,403	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Madagascar.....	10,415	10,412	10,412	10,412	10,412	10,412	10,412	10,412	10,412	10,412
Malawi.....	10,392	10,394	10,394	10,394	10,394	10,394	10,394	10,394	10,394	10,394
Mali.....	10,380	10,375	10,375	10,375	10,375	10,375	10,375	10,375	10,375	10,375
Morocco.....	10,392	10,407	10,407	10,407	10,407	10,407	10,407	10,407	10,407	10,407
Nigeria.....	10,399	10,398	10,398	10,398	10,398	10,398	10,398	10,398	10,398	10,398
Reunion.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
South Africa.....	10,399	10,394	10,394	10,394	10,394	10,394	10,394	10,394	10,394	10,394
Sudan.....	10,391	10,391	10,391	10,391	10,391	10,391	10,391	10,391	10,391	10,391
Tanzania.....	10,407	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397
Uganda.....	10,406	10,392	10,392	10,392	10,392	10,392	10,392	10,392	10,392	10,392
Zaire.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Zambia.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Zimbabwe.....	10,400	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401

See footnotes at end of table.

Table C7 Gross Heat Content of Hyrdoelectric Power, 1986 - 1995 (Continued)
(Btu per Kilowatthour)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Far East & Oceania										
Afghanistan.....	10,407	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397
Australia.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Bangladesh.....	10,404	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Bhutan.....	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Burma.....	10,396	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397
Cambodia.....	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333	10,333
China.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Fiji.....	10,395	10,405	10,405	10,405	10,405	10,405	10,405	10,405	10,405	10,405
French Polynesia.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
India.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Indonesia.....	10,400	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Japan.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Korea, North.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Korea, South.....	10,400	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Laos.....	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404	10,404
Malaysia.....	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399
Nepal.....	10,405	10,394	10,394	10,394	10,394	10,394	10,394	10,394	10,394	10,394
New Caledonia.....	10,402	10,394	10,394	10,394	10,394	10,394	10,394	10,394	10,394	10,394
New Zealand.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Pakistan.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Papua New Guinea.....	10,404	10,393	10,393	10,393	10,393	10,393	10,393	10,393	10,393	10,393
Philippines.....	10,399	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401	10,401
Sri Lanka.....	10,401	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399
Taiwan.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Thailand.....	10,400	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399
U.S. Pacific Islands.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Vietnam.....	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399	10,399
Western Samoa.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400

-- Not applicable.

Note: There is no generally accepted practice for evaluating the thermal conversion rates for power plants that generate electricity from hydroelectric sources. Therefore, estimates of the prevailing annual average heat content for fossil-fueled, steam-electric power plants are used to evaluate the heat content for hydroelectric power. By using that factor, it is possible to evaluate fossil fuel requirements for replacing those sources during periods of interruption such as droughts.

Sources: See sources at the end of Section 6.

Table C8 Gross Heat Content of Nuclear Electric Power, 1986 - 1995
(Btu per Kilowatthour)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Canada.....	11,550	11,550	11,550	11,550	11,478	11,478	11,440	11,376	11,376	11,385
Mexico.....	--	--	--	--	10,295	10,065	10,065	10,065	10,065	10,065
United States.....	10,799	10,776	10,743	10,724	10,680	10,740	10,678	10,682	10,676	10,676
Central & South America										
Argentina.....	11,810	11,809	11,809	11,809	11,809	11,809	11,809	11,809	11,809	11,809
Brazil.....	10,219	10,251	10,258	10,258	10,258	10,246	10,246	10,246	10,246	10,246
Western Europe										
Belgium.....	10,378	10,378	10,378	10,378	10,378	10,373	10,373	10,373	10,373	10,373
Finland.....	10,365	10,365	10,365	10,365	10,365	10,278	10,278	10,278	10,278	10,278
France.....	10,161	10,161	10,161	10,161	10,413	10,405	10,399	10,396	10,355	10,355
Germany.....	--	--	--	--	--	10,205	10,205	10,205	10,205	10,189
Germany, East.....	11,278	11,278	11,278	11,278	11,278	--	--	--	--	--
Germany, West.....	10,478	10,471	10,467	10,469	10,437	--	--	--	--	--
Italy.....	12,131	12,041	--	--	--	--	--	--	--	--
Netherlands.....	10,549	10,548	10,548	10,548	10,548	10,485	10,485	10,485	10,485	10,485
Spain.....	10,775	10,775	10,775	10,775	10,151	10,151	10,151	10,151	10,151	10,151
Sweden.....	10,001	10,001	10,001	10,001	10,001	10,090	10,090	10,090	10,090	10,090
Switzerland.....	10,632	10,632	10,632	10,632	10,632	10,540	10,540	10,540	10,540	10,540
United Kingdom.....	11,892	11,892	11,892	11,892	11,892	12,461	12,461	12,424	12,552	12,446
Former Yugoslavia.....	11,372	11,374	11,373	11,373	11,373	10,035	--	--	--	--
Slovenia.....	--	--	--	--	--	--	10,035	10,035	10,035	10,035
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	11,006	11,006	11,006	11,006	11,006	11,006	11,006	11,006	11,006	11,006
Former Czechoslovakia.....	12,274	12,274	12,274	12,274	12,274	12,274	12,274	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	12,099	12,099	12,099
Slovakia.....	--	--	--	--	--	--	--	12,318	12,318	12,318
Hungary.....	11,374	11,373	11,373	11,373	11,373	10,065	10,065	10,065	10,065	10,065
Former U.S.S.R.....	11,513	11,524	11,433	11,443	11,463	11,469	--	--	--	--
Kazakhstan.....	--	--	--	--	--	--	11,373	11,373	11,373	11,373
Lithuania.....	--	--	--	--	--	--	10,663	10,663	10,663	10,663
Russia.....	--	--	--	--	--	--	11,038	11,030	11,030	11,030
Ukraine.....	--	--	--	--	--	--	10,911	10,911	10,911	10,873
Africa										
South Africa.....	10,308	10,308	10,308	10,308	10,308	10,035	10,035	10,035	10,035	10,035
Far East & Oceania										
China.....	--	--	--	--	--	--	10,339	10,207	10,159	10,159
India.....	11,670	11,670	11,671	11,671	11,671	11,844	11,906	11,957	11,957	11,998
Japan.....	10,646	10,646	10,646	10,646	10,273	10,250	10,250	10,234	10,226	10,236
Korea, South.....	10,422	10,422	10,422	10,422	10,088	10,088	10,088	10,088	10,035	10,035
Pakistan.....	11,796	11,809	11,784	11,784	10,797	10,797	10,797	10,797	10,797	10,797
Taiwan.....	10,227	10,227	10,227	10,227	10,227	9,876	9,876	9,876	9,876	9,876

-- Not applicable.

Note: The average heat content of electricity generated by nuclear electric power plants is calculated by dividing the heat content of electricity consumed in nuclear generating units (3,412 Btu per kilowatthour) by the estimated efficiency factor (the ratio of output to input) for each nuclear power plant.

Sources: See sources at the end of Section 6.

Table C9 Gross Heat Content of Geothermal Electric Power, 1986 - 1995
(Btu per Kilowatthour)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Mexico.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
United States.....	21,263	21,263	21,096	21,096	21,096	20,997	20,914	20,914	20,914	20,914
Central & South America										
Brazil.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Costa Rica.....	--	--	--	--	--	--	--	--	21,020	21,020
El Salvador.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Nicaragua.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Western Europe										
Greece.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Iceland.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Italy.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Portugal.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Turkey.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Eastern Europe & Former U.S.S.R.										
Romania.....	21,273	21,273	21,273	21,273	21,273	--	--	--	--	--
Former U.S.S.R.....	21,273	21,273	21,273	21,020	21,020	21,020	--	--	--	--
Russia.....	--	--	--	--	--	--	21,020	21,020	21,020	21,020
Middle East										
Jordan.....	--	--	--	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Africa										
Ethiopia.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Kenya.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Far East & Oceania										
Indonesia.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Japan.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
New Zealand.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Philippines.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020
Vietnam.....	21,273	21,273	21,273	21,020	21,020	21,020	21,020	21,020	21,020	21,020

-- Not applicable.

Note: The average heat content of electricity generated by geothermal electric power plants is calculated by weighting the annual average heat rates of operating geothermal units by the installed nameplate capacities.
Sources: See sources at the end of Section 6.

Table C10 Gross Heat Content of Solar and Wind Electric Power, 1986 - 1995
(Btu per Kilowatthour)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
North America										
Canada.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Mexico.....	--	--	--	--	--	--	--	--	10,400	10,400
United States.....	10,446	10,419	10,324	10,317	10,335	10,352	10,302	10,280	10,272	10,272
Western Europe										
Belgium.....	--	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397	10,397
Denmark.....	10,345	10,345	10,345	10,345	10,345	10,345	10,345	10,345	10,345	10,345
France.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Germany.....	--	--	--	--	--	10,400	10,400	10,400	10,400	10,400
Germany, West.....	--	--	10,400	10,400	10,400	--	--	--	--	--
Greece.....	--	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Ireland.....	--	--	--	--	--	--	10,398	10,398	10,398	10,398
Italy.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Netherlands.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Norway.....	--	--	--	--	--	--	10,400	10,400	10,400	10,400
Portugal.....	--	--	--	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Spain.....	--	--	--	--	10,400	10,400	10,400	10,400	10,400	10,400
Sweden.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Switzerland.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
United Kingdom.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Eastern Europe & Former U.S.S.R.										
Romania.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Far East & Oceania										
Australia.....	--	--	--	--	--	--	--	--	10,400	10,400
India.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400
Japan.....	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400	10,400

-- Not applicable.

Note: There is no generally accepted practice for evaluating the thermal conversion rates for power plants that generate electricity from wind and solar thermal sources. Therefore, estimates of the prevailing annual average heat content for fossil-fueled, steam-electric power plants are used to evaluate the heat content for wind and solar thermal power.

Sources: See sources at the end of Section 6.

Appendix D

Oil and Gas Market Chronology: 1995

Oil and Gas Market Chronology: 1995

The following chronology lists international events of significance to the world oil and natural gas markets in 1995. Sources include: *Dallas Morning News (DMN)*; *Dow Jones (DJ)*; *Energy Compass (EC)*; *Financial Times (FT)*; *New York Times (NYT)*; *Petroleum Intelligence Weekly (PIW)*; *Platt's Oilgram News (PON)*; *Wall Street Journal (WSJ)*; *Washington Post (WP)*; *Washington Times (WT)*; and *Weekly Petroleum Argus (WPA)*.

- Jan. 1** Almost 70 percent of Petroperu's work force strikes to protest the government's planned privatization of the state-owned oil company. Petroperu's gradual privatization is scheduled to begin with the sale of the 102,000-barrel-per-day Pampilla refinery near Lima. *(DJ)*
- Jan. 14** Mexico pledges profits from state-owned Pemex's \$7-billion-per-year oil revenues in an effort to secure U.S. congressional approval of \$40-billion worth of loan guarantees. Subsequently, President Clinton approved a \$20-billion U.S. aid package for Mexico. *(DMN)*
- Jan. 17** An Iranian press report states that Iran will sign a contract to supply Pakistan with 1.6 billion cubic feet per day of natural gas. In another agreement, Qatar will supply a similar amount of gas to Pakistan starting in 1998 through a new pipeline which will connect to the proposed Iranian-Pakistani line. *(DJ)*
- Jan. 17** In the Japanese port city of Kobe, an earthquake measuring 7.2 on the Richter scale kills over 5,000 people. Three major oil refineries with a combined capacity of roughly 400,000 barrels per day are damaged. *(EC, DJ)*
- Jan. 18** Press reports state that Iraqi President Saddam Hussein survived a January 5 coup attempt. Approximately 20 senior Iraqi air force and army officers reportedly were executed on January 7 for their participation in the plot, which had targeted Saddam and his eldest son. *(DJ)*
- Jan. 18** The military-backed Algerian government rejects a peace proposal submitted by the militant Islamic Salvation Front (FIS). The rejection is followed by the assassination of a government lawmaker and two car bomb explosions in Algiers, which kill 4 people and injure dozens more. *(DJ)*
- Jan. 19** Enron Corporation signs a letter of intent with Qatar to work on a \$4-billion liquefied natural gas (LNG) project. Starting in 1998, a projected 5 million tons of LNG per year from Qatar's large North Dome gas field would be shipped under contract to India and Israel. *(DJ)*
- Jan. 19** The Ukraine's parliament approves construction of the controversial \$3.4-billion, 800,000-barrel-per-day Odessa oil terminal. Plans were halted in 1993 because of criticism of the terminal's expense and potential environmental impact. If completed, the Ukraine will use the Odessa terminal to receive oil imports from the Middle East and the Black Sea in an effort to end its dependence on Russian oil imports. *(DJ)*
- Jan. 26** Colombian Finance Minister Guillermo Perry announces that new oil wells drilled in 1995 will be exempt from the government-imposed \$1-per-barrel "war tax." The tax is used to pay for military protection of the country's oil industry infrastructure. In the past, some foreign oil company officials criticized the tax on the grounds that it discouraged foreign investment. *(DJ)*
- Jan. 27** Ecuadorean President Sixto Duran-Ballen declares a national state of emergency after Peru allegedly stages cross-border attacks in the jungle-covered Cordillera del Condor region. The mountainous area borders oil-rich land lost by Ecuador during a 1941 war with Peru. *(DJ)*
- Jan. 30** Norway's Statoil announces that a newly-formed consortium of 11 oil companies will develop a plan to supply Norwegian natural gas to the European continent. Three Norwegian companies recently signed a contract with Gaz de France to bring 1.4 trillion cubic feet of Norwegian gas to France between 2001 and 2027. *(DJ)*

- Feb. 8** In Nigeria, General Sani Abacha dissolves his 30-member Cabinet in an apparent effort to increase support for the military dictatorship which was installed during a November 1993 coup. (DJ)
- Feb. 8** British Petroleum agrees to pay \$3.9 million to settle state and federal claims which arose from a 1990 oil tanker accident. The resulting spill dumped almost 10,000 barrels of oil into California coastal waters. (DJ)
- Feb. 13** Royal Dutch/Shell Group, Texaco, and Danish Maersk announce plans to redevelop Dan Felt, Denmark's oldest and largest oil field. The companies expect to invest close to \$1 billion over a five-year period in order to boost the field's current 60,000-barrel-per-day output. (WSJ)
- Feb. 14** Norway offers 56 oil blocks during the start of the country's second largest concession round ever. Some of the blocks are in water depths of 5,000 feet. (FT)
- Feb. 17** Peru and Ecuador agree to a cease-fire in an attempt to end their three-week-old border dispute, but, shortly thereafter, fighting resumes. Peru is forced to suspend its oil exports of 27,000 barrels per day following the cutoff of 36,000 barrels per day of Oriente crude oil normally supplied to Peru by Ecuador. (DJ, WPA)
- Feb. 20** Ecopetrol, Colombia's state-owned oil company, announces the discovery of a large oil field in central Colombia. Preliminary estimates of the new field's reserves are around 3.9 billion barrels. The next day, Colombian President Ernesto Samper inaugurates production at the Cusiana and Cupiagua fields, which contain an estimated 2 billion barrels of oil. (DJ)
- Feb. 21** British Petroleum announces its first oil discovery in Vietnam. The find, which is described as being potentially commercial, is located in the offshore South Con Son Basin. The announcement follows recent oil discoveries by Japan's Mitsubishi, Malaysia's Petronas, and France's Total. (DJ)
- Feb. 23** In Angola, an international consortium of companies, including Chevron, Italy's Agip, and France's Total, sign an agreement to conduct offshore, deep-water, oil exploration. (DJ)
- Feb. 23** British Petroleum and Norway's Statoil, the largest members of the Caspian Sea development consortium, reject Iran's bid to acquire a 5 percent share offered by the State Oil Company of Azerbaijan (SOCAR). (DJ)
- Feb. 26** Saudi Arabia and Yemen announce that their 60-year-old border dispute over potentially oil-rich land will be solved by a joint committee which will demarcate the 1,300-mile border. The process is expected to take up to a year and will include establishing mutually acceptable boundaries in the Red Sea. (DJ)
- Feb. 27** The U.S. Government announces its support for a Caspian Sea oil export pipeline route which bypasses Russia and Iran. The U.S. State Department says that the U.S. Government supports a pipeline route through Armenia, Georgia, and Turkey. (DJ)
- Feb. 28** The Pentagon announces that it monitored Iranian installation of surface-to-air Hawk missiles in the Strait of Hormuz. The Iranians also have taken possession of and fortified the nearby Abu Musa and the Tunb Islands, which are claimed by both Iran and the United Arab Emirates (UAE). (DJ)
- March 1** Argentina's Yacimientos Petroliferos Fiscales SA (YPF) announces that it will acquire Dallas-based Maxus Energy for \$745 million. (WSJ)
- March 7** Armenia's Defense Ministry states that Azerbaijan has broken an eight-month cease-fire agreement by attacking four villages in northeastern Armenia with artillery and tanks. Armenia's Defense Ministry also says that Azerbaijan has moved from "border provocations to full-scale war." Azerbaijan's Defense Ministry denies the charges and accuses Armenia of initiating the skirmish. (DJ)
- March 10** Nigeria's military government arrests almost 3 dozen military officers and civilians for their participation in a March 1 coup attempt. (DJ, FT)

- March 14** In Azerbaijan, a coup attempt led by Deputy Interior Minister Rovshan Dzhavadov's 3,000-man special police force (OMON) begins. President Haydar Aliyev states that "Azerbaijan is again on the brink of civil war." Subsequently, Dzhavadov is killed after three days of fighting. This is the second OMON coup attempt since October 1994. *(DJ, FT)*
- March 15** President Clinton signs an Executive Order which blocks Conoco's recent \$1-billion deal to develop the Iranian Sirri A and E offshore oil fields. Under current regulations, U.S. companies are allowed to purchase Iranian crude oil as long as it is not imported into the U.S. *(FT)*
- March 15** Ireland announces that Chevron, Phillips, Occidental, and Marathon were awarded exploration blocks in the country's first bidding round in the offshore Porcupine basin. The basin holds an estimated 80 million barrels of oil. *(FT, DJ)*
- March 18** Approximately 500 Kuwait Oil Company workers begin a strike to demand promotions and pay increases for Kuwaiti oil workers. About 68 percent of all Kuwaiti oil industry jobs are held by Kuwaitis. The strike lasts 7 days, during which oil production is cut by about 50,000 barrels per day. *(FT, NYT)*
- March 20** About 35,000 Turkish troops invade northern Iraq in search of suspected Kurdish Workers Party (PKK) bases which, according to Turkey, contain an estimated 2,000 to 3,000 PKK terrorists. The Iraqi territory which Turkey invaded is presently under U.N. protection from potential Iraqi attacks on Kurds. *(FT)*
- March 20** About 10,000 Venezuelan and Colombian troops begin massing in an effort to secure the 1,400-mile border between the two countries. The military action follows a recent cross-border raid by Colombian terrorists which killed 8 Venezuelan marines. *(FT)*
- March 20** Nigerian dictator Sani Abacha appoints new cabinet ministers six weeks after his February 8 dissolution of his previous cabinet. Dan Etete replaces Don Etiebet as the country's new oil minister. *(FT)*
- March 22** Leftist rebels bomb a section of Colombia's 230,000-barrel-per-day Cano Limon-Covenas pipeline. Roughly 10,000 barrels per day of oil is spilled into the Magdalena River. Analysts estimate that the pipeline has spilled over 1.2 million barrels of oil as a result of 350 terrorist attacks since 1986. *(DJ)*
- March 24** Chevron and the Nigerian National Petroleum Corporation begin their \$569-million gas gathering project at Escravos. Production is anticipated to reach 170 million cubic feet of gas per day after the project comes on stream in mid-1997. *(FT)*
- March 25** In Algeria, roughly 800 members of the Armed Islamic Group (GIA) are killed during an ambush by government troops. The GIA is one of the main terrorist groups fighting the military-backed government in a civil war which has claimed over 30,000 lives since 1992. *(FT)*
- March 26** Iraqi Foreign Minister Tariq Aziz rejects a U.S. and British proposal which would have allowed Iraq to sell \$2-billion worth of oil in order to obtain money for humanitarian relief efforts. Aziz says that the monetary restriction represents a violation of Iraqi sovereignty. *(FT)*
- March 27** Territorial disputes over the potentially oil-rich Spratly Islands flare as the Philippines seizes four Chinese fishing vessels and destroys Chinese marker buoys. Taiwan states that it will increase its military presence in the Islands, which are claimed by Vietnam, Malaysia, the Philippines, China, Taiwan, and Brunei. This announcement comes after Vietnam recently accused Taiwan of firing on a Vietnamese cargo vessel. *(FT)*
- March 28** Jordan's Minister of Energy and Mineral Resources Samih Darwazah announces the formation of a new national oil company. The company's primary goal will be to raise Jordan's natural gas production to 60 million cubic feet per day and optimize the country's use of gas imports from Egypt, which are expected to begin in 1999. *(FT)*
- March 30** Peru and Ecuador begin demilitarizing the mountainous Cordillera del Condor region after a March 2 cease-fire agreement ends a month-long border dispute. *(DJ, FT)*

- March 30** During the United Nations (U.N.) Security Council's periodic review of Libyan sanctions, the U.S. seeks support for an international embargo on purchases of Libyan crude oil. The U.S. effort is a response to continued Libyan refusals to extradite two men suspected of carrying out the 1988 Pan Am bombing in which 270 people died. (*WP, FT*)
- April 3** Azerbaijan's state-owned oil company, SOCAR, offers to sell Exxon a quarter of its remaining 20 percent share in the \$8-billion Caspian Sea development project. SOCAR recently had promised the stake to Iran, but was forced to abrogate its agreement with Iran under pressure from other members of the development consortium. (*FT, WSJ*)
- April 6** A \$102-million demercaptanization plant built by the Kazak and Chevron joint venture, Tengizchevroil, begins operation. The plant removes noxious sulfur compounds which adversely affected oil shipments from the \$40-billion Tengiz oil project through Russian export pipelines. (*DJ*)
- April 11** Iran's government-run radio states that "Tehran reserves its ... rights on the basis of the legal status of the Caspian Sea. Caspian coastal states cannot unilaterally exploit its resources because the oil fields are interconnected." National Iranian Oil Company executive Mehdi Hosseini subsequently says that Iran will not allow a swap deal for early Caspian Sea oil production unless it holds equity in the development project. (*FT, PON*)
- April 16** Egypt signs an agreement in principle to construct a pipeline to carry natural gas from Egypt's offshore Timsah and Balantim non-associated gas fields to Israel via the northern Sinai Peninsula. (*FT*)
- April 17** In Ecuador, a two-day national strike involving workers of state-owned Petroecuador begins. The strike is in protest of government plans to privatize numerous state-owned companies and to contract out an expansion of the 300,000-barrel-per-day Transecuadorean pipeline to 450,000 barrels per day. The \$600-million expansion of the Trans-Ecuadorean pipeline would eliminate Ecuador's reliance on the 40,000-barrel-per-day Colombian Trans-Andean pipeline, which carries crude oil from Ecuador's Oriente fields to Colombia's Pacific port at Balao. (*DJ*)
- April 18** The Iraqi parliament formally rejects a U.N. proposal which would have allowed Iraq to sell up to \$2-billion worth of oil every 6 months for humanitarian purposes. Iraq's rejection is based on the grounds that the proposal violates Iraqi sovereignty. The U.N. had insisted that its representatives be on-site to hand out food and other humanitarian items paid for by the oil revenues. (*DJ*)
- April 20** In Colombia, leftist National Liberation Army (ELN) rebels kidnap two Italian oil engineers. This follows a similar occurrence in December 1994 in which two Swedish oil engineers were kidnapped. On many occasions, the ELN has kidnapped the expatriate employees of foreign multinationals and held them for ransom. (*DJ*)
- April 24** Jordan and Iraq announce plans to build a 370-mile, 100,000-barrel-per-day pipeline which would transport Iraqi crude oil to Jordan's refinery at Zarqa. A 200-mile extension to Jordan's Red Sea port at Aqaba also is planned. Jordanian officials state that pipeline construction may begin in 1995, but that the pipeline will not become operational until after U.N. sanctions against Iraq are lifted. (*WPA*)
- April 24** In Ecuador, Huaorani Indians peacefully take over oil wells operated by U.S.-based Maxus Energy. The Indians and Maxus had reached an earlier agreement in which the Indians would provide labor for the wells in exchange for economic and development assistance from Maxus. The takeover apparently is part of a dispute with the company as to the terms of the agreement. (*DJ*)
- April 24** Nigeria's government decides to pay \$16.67 million per month until its total \$600-million debt to the Nigerian National Petroleum Corporation's (NNPC) foreign partners is paid off. The NNPC's foreign partners include Agip, Chevron, Elf, Mobil, and Shell. The government also states that it will promptly pay over half of its \$40-million debt owed to domestic tanker owners who transport crude oil to refineries within Nigeria. (*DJ*)
- April 27** Russia signs an agreement with Iraq to help develop Iraq's large Rumaila and Kurna oil fields. The two fields have the potential to produce over 1 million barrels per day. Recently, Russia has called for an easing of U.N. sanctions on Iraq, which still owes Russia an estimated \$10 billion for defense-related purchases in the 1980s. The new accord calls for the creation of upstream joint ventures, refinery construction, and the expansion of Iraq's downstream oil and gas transportation networks. (*FT, DJ*)

- April 28** A large gas pipeline explosion occurs in Russia's northern Komi Republic. Russia's state-owned natural gas company, Gazprom, states that the explosion, which was caused by a leaking gas pipeline, engulfed almost 175 million cubic feet of gas, resulting in a fireball reaching 25,000 feet. Gazprom recently reported that 34 gas pipeline accidents occurred in 1994. Most of these were related either to corrosion or mechanical failure. (FT, DJ)
- May 2** Vietnam's first natural gas-fired electric power plant begins operation. The Ba Ria station, near Ho Chi Minh City, is powered by associated gas from the Bach Ho oil field, located 80 miles offshore. Vietnam eventually plans to create a national gas grid comprising other offshore oil and gas fields. (DJ)
- May 4** In the central Algerian town of Ghardaia, five foreign pipeline specialists are killed in an attack by Islamic militants. The attack comes despite increased military security in the country's main oil producing areas. The murdered workers were helping to build the \$2.5-billion Gazoduc Maghreb Europe natural gas pipeline, which is anticipated to ship natural gas to Spain and Portugal by mid-1996. (DJ, FT)
- May 4** Through the end of 1995, Russia and Cuba agree to swap 60,000 barrels per day of oil for 1 million tons of raw sugar. Russian oil swaps for Cuban sugar began during the Soviet era. (DJ)
- May 6** Angolan President Jose Eduardo dos Santos and Jonas Savimbi, the rebel leader of the National Union for the Total Liberation of Angola (UNITA), sign a peace treaty formally ending the country's 20-year-old civil war. Both sides agree to form a "working partnership" which keeps dos Santos as President, but allows for power-sharing in other areas of government. (DJ)
- May 8** President Clinton signs an executive order imposing economic trade sanctions on Iran. The order, which takes effect in one month, prohibits U.S. citizens from trading goods or services with Iran. U.S. companies recently had been selling approximately \$150-million worth of oil equipment annually to Iran. Crude oil purchases by U.S. companies and their overseas subsidiaries also are affected by the order. (DJ, FT)
- May 10** In the North Sea's Norwegian sector, Conoco inaugurates the world's largest floating oil production platform. The facility will be used at the Heidrun field, which contains an estimated 750 million barrels of oil and 1.6 trillion cubic feet of natural gas. (FT, PON)
- May 11** The U.S. Navy, during its enforcement of the U.N.-backed blockade of Iraq, discovers an attempt by a Honduran-flagged ship to smuggle Iraqi oil to international markets. The ship is stopped as it sails from the Iraqi port at Khor Zubayr with roughly 21,000 barrels of diesel oil. Since October 1994, the U.S. Navy has stopped 13 other ships involved in smuggling efforts. (DJ)
- May 11** In Ecuador, Texaco agrees to "social compensations" involving the clean-up of environmental damage from the company's oil operations in Ecuador's Amazon Basin. Texaco currently faces a related \$1-billion lawsuit filed by two indigenous Ecuadorean Indian groups. (FT)
- May 12** In an Iranian demonstration of the country's potential oil production capacity, officials boost output to just under 4.1 million barrels per day during a one-week test. Production is raised primarily through increased gas injection at onshore fields. (DJ, PON)
- May 15** An estimated 25,000 Venezuelan oil workers stage a one-day strike in the western state of Zulia, which accounts for about 1.2 million barrels per day of the country's total 2.7 million barrels per day of crude oil output. The government subsequently agrees to most of the strikers' demands, which include a \$2.94-per-day bonus. The settlement averts a planned national strike which was scheduled for later in the week. (DJ, PON)
- May 16** In the South China Sea, Chinese ships block a Philippine warship *en route* to the widely contested Spratly Islands. The Philippine ship was carrying several dozen international journalists to witness Chinese construction on one of the disputed reefs. The incident marks a continuing escalation of tensions among China, the Philippines, Taiwan, Vietnam, Malaysia, and Brunei, all of which lay claim to the potentially oil-rich islands. Also, recent official Chinese maps include Indonesia's 45-trillion-cubic-foot Natuna gas field as part of China's claims. (DJ, FT)

- May 18** In Angola, Front for the Liberation of the Enclave of Cabinda (FLEC) rebels stage an attack which kills over a dozen Angolan government soldiers and destroys a military artillery embankment near Chevron's fortified onshore oil facilities. Chevron's 400,000-barrel-per-day production from the Angolan enclave accounts for almost two-thirds of the country's total oil output. FLEC did not participate in the recent peace negotiations between the government and UNITA. (DJ)
- May 19** In the United Kingdom sector of the North Sea, over a dozen Greenpeace activists occupy Shell's old Brent Spar oil platform. With the British government's approval, the company had planned to sink the platform at its present site rather than taking the more expensive option of towing the platform onshore for disposal. Shell says the latter option could put fishing areas at risk. Greenpeace states that the platform contains over 100 tons of toxic sludge as well as 30 tons of radioactive material and should be disposed of onshore. (DJ)
- May 24** In Yemen, Total signs a \$5-billion natural gas development deal to export associated gas from central Yemen's Marib and Joub blocks. The project will involve the construction of a \$2-billion LNG plant and \$3-billion worth of pipelines connecting the gas fields to export terminals at Ras Amran and Aden. (DJ)
- May 24** Three weeks after the start of a strike at Petrobras, the Brazilian national oil company, the Brazilian army takes control of four of the country's 11 refineries. Petrobras estimates that as of mid-May, crude oil production had fallen to 40 percent of normal and refining to only 19 percent of usual levels. (DJ, FT, PON)
- May 28** Following a meeting between Iranian and Omani energy officials, the Iranian Republic News Agency announces that Iran is willing to cooperate with Oman in the development of the estimated 1-trillion-cubic-foot Hengam natural gas and condensate field located in the Strait of Hormuz. (DJ)
- May 29** On Russia's Sakhalin Island, a 7.5-magnitude earthquake traps an estimated 2,000 people under debris in the town of Neftegorsk. In addition to destroying most buildings in the 3,000-person town, the quake broke a 30,000-barrel-per-day oil pipeline in 17 places. Sakhalin Island is the location of several large, proposed international oil and gas exploration projects. (DJ)
- June 2** The hiring of replacement workers leads to a return to work by roughly 45,000 employees of Brazil's state-owned Petrobras ending a four-week-long strike to demand higher wages and to oppose the government's intended privatization plans. Shortly thereafter, the Brazilian congress votes to end Petrobras' monopoly over the country's oil operations. (WSJ, NYT)
- June 9** Azerbaijan's SOCAR, Russia's Lukoil, Italy's Agip, and U.S.-based Pennzoil sign an agreement to develop Azerbaijan's Karabakh oil field. The Caspian Sea oil field contains total reserves estimated at 600 million barrels. (DJ)
- June 13** Kazakhstan and Turkey sign an agreement to build a pipeline which would export roughly 80,000 barrels per day of Kazak crude oil through Turkey. Project financing and a construction timetable remain to be determined. If built, the new pipeline would lessen Kazakhstan's reliance on Russia's over-utilized oil pipeline system. (DJ)
- June 14** After the semi-annual meeting of the Organization of Petroleum Exporting Countries (OPEC) in Vienna, President Ida Bagus Sudjana discloses the Organization's intention to roll over its present crude oil production ceiling of 24.52 million barrels per day. The announcement is followed by a trip to Norway by Saudi Arabian Oil Minister Hisham M. Nazer. Upon arriving, the Saudi Minister asks Norwegian Minister of Industry and Energy Jens Stoltenberg to restrain his country's oil production in the hopes of stabilizing world oil prices. (FT, DJ)
- June 17** In Angola, rebel UNITA leader Jonas Savimbi is offered the position of vice president in the country's new government. Also, the first contingent of over 7,000 U.N. peace keepers arrives to ensure stability. (DJ)
- June 19** According to the OPEC News Agency, Iran begins operations at its Abadan oil loading terminal for the first time in 15 years. Prior to its near destruction during the Iran-Iraq War, Abadan served as a key Iranian port in the northern Persian Gulf. (DJ)

- June 20** Following international pressure from Greenpeace and the governments and consumers of neighboring countries, Shell abandons its plans for a deep-sea disposal of its 30,000-barrel Brent Spar oil storage platform in the United Kingdom's North Sea. Norway subsequently agrees to store the platform while onshore disposal plans are developed. (DJ)
- June 21** About 3,200 employees of Peruvian state oil company Petroperu stage a two-day strike protesting the government's intended privatization of the company. Through the use of supervisory and technical personnel, oil production is not affected. (DJ)
- June 22** South Korea increases its original commitment to purchase 2.4 million tons of LNG per year from Qatar's Ras Laffan LNG venture to 4 million tons per year, starting in 2000. The Ras Laffan LNG project, known as Rasgas, is a joint venture between Mobil (70 percent) and Qatar General Petroleum Corporation (30 percent). It will utilize gas from the giant, 225-trillion-cubic-foot, North Dome gas field. (DJ)
- June 22** In Jordan, Russian Deputy Foreign Minister Viktor Posovalyuk and Jordanian Foreign Minister Abdul-Karim Kabariti jointly call for an end to U.N. sanctions against Iraq. (DJ)
- June 26** In Bahrain, Sheik Isa Bin Sulman al-Khalifa appoints a new cabinet for the first time in 20 years. The move is seen as an attempt to stem the rise in domestic civil unrest by Bahrain's Shi'ite majority. The personnel reshuffling is not expected to result in any policy changes. (DJ)
- June 27** Qatar's ruler, Sheik Khalifa bin Hamad al-Thani is overthrown in a peaceful coup by his son, Sheik Hamad bin Khalifa al-Thani. Sheik Hamad has had *de facto* control of the country's government since 1992. The Qatari-Saudi border is closed temporarily in what is described as a precautionary measure. Qatar's crude oil output of roughly 450,000 barrels per day remains undisrupted. (DJ)
- June 29** The 15 European Union countries, that are signatories of the Oslo and Paris Convention, pass a moratorium on the offshore disposal of oil rigs in the North Sea until August 1997. However, the decision may not legally bind the United Kingdom or Norway. Norway recently announced plans for offshore disposal of its North East Frigg platform. (DJ)
- June 30** Exxon signs a \$15.2-billion deal to develop oil and gas fields near Russia's Sakhalin Island. The Sakhalin I project will develop the offshore Shayvo, Odoptu, and Arkutun-Dagi fields that together are estimated to contain 2.5 billion barrels of crude oil and 15 trillion cubic feet of natural gas. Exxon has a 30 percent stake in the project. (NYT, DJ)
- July 3** In Vietnam, Australia-based BHP announces that its 200-million-barrel Dai Hung oil field is not "commercially attractive" and that further development plans will be postponed. Dai Hung began production in October 1994 and currently is producing 30,000 barrels per day, far less than the 100,000 barrels per day originally forecast. It is the country's second producing oil field and the first developed by a company based in a Western country. (DJ)
- July 6** In Colombia, leftist insurgents dynamite the 230,000-barrel-per-day Cano Limon-Covenas oil pipeline. This is the 27th attack this year on the 485-mile-long export pipeline. (DJ)
- July 6** Venezuela's Congress approves the country's first investment law allowing for foreign participation in oil exploration and production. The newly-passed "model agreement" authorizes the state-owned oil company Petroleos de Venezuela S.A. (PDVSA) to offer 10 exploration blocks to foreign investors. If oil is discovered, the government will maintain a majority stake in any joint venture formed to develop the new fields. (FT, DJ)
- July 12** In Russia, the Ministry of Fuel and Energy approves a law dividing authority over the country's oil export terminals and domestic crude oil and petroleum products markets between Russia's five largest integrated oil companies and the state-owned pipeline monopoly, Transneft. Rosneft, Lukoil, Neftianaya Kompaniya, Yukos, and Sidanko will have joint responsibility for exports from Ventspils in Latvia as well as from Novorossiisk, Odessa, and Tuapse, on the Black Sea. (DJ)
- July 13** Iran and French-based Total sign a deal to develop the offshore Sirri A and E oil and gas fields. The deal comes after the U.S. government forced Conoco to relinquish its agreement to develop the two Iranian fields. On July 4, Shell

decided not to develop the same fields because of the project's high development costs. Oil production from Sirri A and E is expected to reach a peak of 120,000 barrels per day. (NYT, DJ)

- July 17** An official at the state-owned National Iranian Oil Company, Seyed Mehdi Hussein, states that Iran will invite foreign participation in 10 major oil development projects, including construction of an 80,000-barrel-per-day refinery at Bandar Abbas, development of the Kangan gas field, and second-phase development of the offshore South Pars project. Also, Russian and Iranian officials agree to conduct joint oil exploration and drilling operations. (FT, DJ)
- July 18** Nigerian Petroleum Minister Dan Etete informs the local directors of British Petroleum and Shell that the two companies may lose their right to conduct business in Nigeria. The meeting follows comments by British government officials warning Nigeria not to implement the harsh sentences on 40 people recently convicted of plotting to overthrow military dictator Sani Abacha. Shell produces approximately 1 million barrels per day, or about half of Nigeria's crude oil production. Oil export revenues account for more than 80 percent of Nigerian government revenues. (FT)
- July 20** South Africa agrees to allow Iran to store up to 15 million barrels of crude oil at its 45-million-barrel Saldhana Bay storage facility near Cape Town. The deal comes amidst U.S. attempts to limit Iran's transactions with the international community. Tehran Radio states that the storage deal will speed up oil shipments to Latin America and Europe. Several days later, Iran charts 28 large oil tankers in an apparent effort to maximize its flexibility for exporting oil. (EC, FT)
- July 20** In Kazakhstan, President Nursultan Nazarbaev officially signs the country's new Petroleum Law. The law clarifies two previously ambiguous areas of foreign investment in the country's oil sector. It also guarantees the validity of previously negotiated agreements and contracts, including Chevron's multi-billion-dollar Tengiz oil field development. (PON)
- July 23** Gabonese citizens vote on constitutional reforms which would limit President Omar Bongo's personal powers, provide for international monitoring of new elections, restrict the army's involvement in civilian affairs, and increase the media's freedom. The referendum is the first of its type since the country achieved independence in 1967. Recently, Gabon has threatened to leave OPEC because of high dues. The country did not send a representative to the June 1995 OPEC meeting in Vienna. (DJ)
- July 24** Near the South Korean town of Yeosu, a 140,000-ton Cypriot-registered oil tanker runs aground during the country's worst typhoon in 37 years. The tanker is carrying 640,000 barrels of crude oil and begins to leak, initially creating a slick 3 miles in diameter. (DJ)
- July 26** Ecuador's Constitutional Tribunal declares the proposed 350,000-barrel-per-day Transecuadorean pipeline expansion "illegal and unconstitutional because private, and probably foreign capital will be awarded the project." Ecuador's constitution defines the country's crude oil sector as a "strategic area" under exclusive state control. The Tribunal also says that President Sixto Duran-Ballen violated the Constitution by offering the expansion contract to foreign companies whose "sole consideration is profit." (PON)
- July 27** In Ecuador, a national strike involving workers from Petroecuador is postponed even though the Ecuadorean Congress adjourns without resolving the conflict with the state-owned company. The Congress had convened a special session to consider a demand from state-owned energy sector workers that Congress nullify its recent decision abrogating the right of public sector workers to unionize. (DJ)
- July 27** Saudi Aramco awards the giant Shaybah oil field development project to U.S.-based Parsons Corporation. The \$2.5-billion project will develop the 7-billion-barrel field, including the construction of crude oil production facilities, gas-oil separation plants, and a 372-mile pipeline. The Shaybah field is located on the Saudi-UAE border and is expected to produce 500,000 barrels per day after it comes on line in 1999. (PON)
- July 28** Norwegian Finance Minister Sigbjorn Johnsen says that Norway should not lower its crude oil production in an attempt to boost world oil prices. Norwegian Oil Minister Jens Stoltenberg believes production cuts may be necessary if prices begin to fall. Minister Johnsen's remarks follow last month's visit by Saudi Arabian Oil Minister Hisham M. Nazer, who asked Minister Stoltenberg to cut Norway's crude oil production. (PON)

- Aug. 2** Saudi Arabia's King Fahd issues a decree replacing all members of the Council of Ministers who do not have blood ties so the royal Family. While most of the Council's top positions are unaffected by the reshuffling, Oil Minister Hisham Nazer is replaced with Ali bin Ibrahim al-Naimi. (WSJ)
- Aug. 7** The British Geological Survey releases a report stating that extended offshore oil production could cause earthquakes measuring up to 4 on the 10-point Richter scale. According to the report, quakes could be caused by chemical gel injection during enhanced oil recovery projects. The chemicals could cause corrosion in reservoir rock formations and lead to eventual ruptures. The report notes that earthquakes recently have occurred in the offshore Netherlands sector. However, these can not be directly attributed to oil-related operations. (FT)
- Aug. 8** The Jordanian government grants political asylum to Iraqi Major General Hussein Kamel al-Majid and Colonel Saddam Kamel al-Majid. The Iraqi officers headed Iraq's secret weapons program and special security forces, respectively. The men are married to two of Saddam Hussein's daughters and apparently defected after a family argument. After talks with U.S. officials, both Kuwait and Syria offer to replace, if necessary, the 65,000 barrels per day of oil that Iraq currently sells to Jordan. Under U.N. sanctions, Iraq is allowed to sell a limited amount of oil to Jordan in order to earn revenue for humanitarian purposes. (FT, DJ)
- Aug. 8** In Azerbaijan, security forces loyal to President Aliyev suppress a coup attempt plotted by ex-president Ayaz Matalibov, who was ousted in May 1992. Aliyev's forces arrest three retired generals who took part in the attempted overthrow. This is the third coup attempt since October 1994. (DJ)
- Aug. 9** Egypt decides to increase the Sumed Pipeline's capacity from 1.6 million barrels per day to 2.4 million barrels per day. The 210-mile Sumed pipeline was opened in 1977 and connects the Gulf of Suez to the Mediterranean Sea. It is jointly owned by Egypt (50 percent) and Saudi Arabia, Qatar, Kuwait, and the UAE. The capacity expansion will involve the opening of a pumping station at Dahshur. (DJ)
- Aug. 9** Chevron signs a 2-year agreement with China to conduct oil exploration in the South China Sea. The South China Sea is the focus of a territorial dispute between Brunei, China, Indonesia, Malaysia, the Philippines, Taiwan, and Vietnam. Regional tensions eased slightly in mid-1995, however, after China and the Philippines agreed to resolve their dispute diplomatically. (DJ)
- Aug. 11** British Petroleum and Texaco form a joint venture to develop the North Sea's first high pressure/high temperature (HP/HT) gas field. The 330-billion-cubic-foot Erskine field has pressures of 14,000 pounds per square inch and temperatures of 350° Fahrenheit. The field is slated to begin production in late 1997. Gas will be shipped through the CATS pipeline to Teesside in northeastern England. Successful development of the Erskine gas field may pioneer the way for development of other HP/HT gas fields in the North Sea. (PON)
- Aug. 11** Two Sudanese rebel groups threaten to attack a newly-proposed oil export pipeline which would connect southern Sudan's 280-million-barrel Unity and Heglig oil fields with Port Sudan on the Red Sea. Vancouver-based Arakis Energy recently announced that it had received Saudi Arabian-financing worth \$750 million to develop the two fields and to build an export pipeline. Under Arakis' plan, the fields would begin producing 65,000 barrels per day within 18 months after the start of development. Although a cease-fire is in effect, rebel groups control much of southern Sudan. (DJ, PIW, PON)
- Aug. 12** In Iran, two bombs explode damaging oil pipelines in southwestern Iran. The bomb attacks occur near Ahwaz and are blamed by Iran on the Mujahedin Khalq Organization (MKO). The MKO is an Iraq-based opposition group which has previously conducted cross-border attacks. MKO representatives in Paris denied responsibility in the attacks. (DJ)
- Aug. 14** Iran's official news agency, IRNA, reports that Iran has been unable to sell 200,000 barrels per day of crude oil since the imposition of a unilateral oil embargo by the U.S. Iran increasingly has sold its crude oil on spot markets as opposed to long-term contracts. Larger purchases by France, Spain, Italy, China, India, Pakistan, and Thailand have failed to offset decreased demand by German and Japanese refiners. Before the U.S. embargo was announced in April 1995, U.S. companies were buying between 400,000 and 450,000 barrels per day, down from roughly 600,000 barrels per day in 1994. (PON)

- Aug. 15** In Azerbaijan, employees of the state-owned oil company SOCAR stage an "indefinite" strike to protest the company's nonpayment of roughly \$12 million in past wages, as calculated at official exchange rates. Salaries have not been paid for up to four months. *(DJ, PON)*
- Aug. 16** Argentinean President Carlos Menem states that his government will take legal measures against any companies participating in oil exploration licensing rounds planned by the Falkland Islands' government for early October. The proposed legal action could include fines and contract cancellations. President Menem also states that Argentina may conduct its own bidding round. The Falkland Islands contain geology favorable to hydrocarbon deposits, although the Islands have not, as of yet, been shown to contain any proven oil reserves. *(DJ)*
- Aug. 16** The Colombian government declares a state of emergency in order to employ extraordinary measures in its fight against leftist insurgents. The action follows the 30th bombing this year of the Cano Limon-Covenas oil export pipeline. Foreign oil operations in Colombia are not initially affected by the announcement. *(DJ)*
- Aug. 23** Russia's Gazprom confirms that the Polish government has given approval for the Yamal natural gas export pipeline to run through Poland. When complete, the pipeline will carry natural gas from Russia's Yamal Peninsula to consumer markets in Germany. The first phase of the \$2.5-billion, 403-mile trans-Polish pipeline is expected to be completed by mid-1996. Construction is already proceeding on connecting segments in Russia and Germany. *(PON)*
- Aug. 28** Kuwaiti Oil Minister Abdul Mohsen al-Medej announces that his country will increase its oil production capacity to as much as 3.5 million barrels per day by 2005. *(DJ)*
- Aug. 31** Vietnam rejects continued Chinese claims that the Wan'An Bei-21 (WAB-21) concession area belongs to China. Vietnam states that WAB-21 lies within Vietnam's internationally-recognized territorial waters, as does the neighboring exploration acreage awarded by Vietnam to British Petroleum and Mobil. In 1992, China awarded WAB-21 to U.S.-based Crestone Energy. In May 1995, China stated that Crestone would finish a seismic survey in WAB-21 and drill an exploratory well by the end of the year. *(DJ)*
- Sept. 4** In a continuing bid to have oil exports from Azerbaijan's new Caspian Sea oil fields pass through its territory, Russia offers attractive discounts and guarantees for the passage of initial oil production from the Azeri fields. Russia promises a 20- to 70-percent reduction from its regular rates on crude oil shipped to the Black Sea's Novorossiisk oil terminal. Russia also promises priority pipeline access for Caspian Sea oil and storage facilities if exports are halted temporarily by bad weather. Russia is competing with an alternative route through Georgia and Turkey for the 70,000 barrels per day of early oil production. *(DJ, FT)*
- Sept. 5** In Vietnam, Total withdraws from a \$1.4-billion refinery project after the Vietnamese government selects Dung Quat as the site for the proposed 130,000-barrel-per-day plant. Dung Quat is located on the country's central coast and is over 600 miles from the Vung Tau oil terminal and Ho Chi Minh City's product markets. A consortium, which included Total, had advocated locating the refinery at Khanh Hoa near Ho Chi Minh City. Subsequently, Daewoo, Hyundai, and the LG Group (formerly Lucky Goldstar) express interest in proceeding with the project. *(FT, DJ)*
- Sept. 5** The Colombian government approves construction of a \$2-billion pipeline between the giant Cuisiana and Cupiagua oil fields and the Covenas export terminal on the Caribbean. After scheduled completion in 1997, the 450-mile pipeline will have a capacity of 500,000 barrels per day, which will be equivalent to the fields' anticipated peak production. British Petroleum, Saipem, Total Pipelines, and Triton are involved in the project. Current output from the Cuisiana field is around 180,000 barrels per day. *(DJ)*
- Sept. 6** In the United Kingdom, Greenpeace concedes that it made false claims during the June 1995 incident surrounding Shell's proposed offshore disposal of the Brent Spar oil buoy. The organization stated that Brent Spar contained 38,500 barrels of oil and toxic waste when Shell was preparing to sink the platform. However, Greenpeace now admits it did not actually perform any measurements to determine Brent Spar's contents. Shell states that the storage tank holds only about 250 barrels of crude oil. The dispute between Greenpeace and Shell about the environmental safety of offshore disposal continues. Following public pressure, Brent Spar has been towed to a Norwegian fjord while a decision is made regarding onshore disposal. *(WP)*

- Sept. 11** Iran states that it will start construction of the first 90-mile link on a proposed \$7-billion pipeline to carry natural gas from Turkmenistan to Europe. Under the deal, Iran will receive approximately 800 million cubic feet per day of gas for three years in exchange for financing the pipeline's \$215-million first phase. The Iranian segment of the line is slated for completion by the end of 1997. *(DJ)*
- Sept. 13** The Kuwaiti Oil Ministry states its intention to seek a 200,000-barrel-per-day increase to its current 2-million-barrel-per-day crude oil production quota at the November 1995 OPEC meeting in Vienna. The announcement comes amidst growing non-OPEC oil production and weak oil prices. *(DJ)*
- Sept. 18** The Pakistani government confirms earlier reports that it will not allow a proposed Iran-India natural gas pipeline to run through offshore Pakistani waters. However, the Pakistani government reiterates that it would allow the pipeline to cross onshore Pakistani territory. The Iran-India pipeline would cost an estimated \$7 billion and could transport up to 75 million cubic feet per day of Iranian natural gas to India. *(PON)*
- Sept. 26** The Malaysian government proposes construction of an oil pipeline between Penang, Malaysia and Songkhla, Thailand. The line would lessen dependence on the highly-congested Malacca Strait, which is the transport route for up to 7 million barrels per day of crude oil shipments. The 112-mile oil pipeline and related oil storage facilities would cost an estimated \$2 billion. Tankers would drop off their Middle Eastern cargoes at Penang and pick them up at Songkhla. Opponents argue that the pipeline could hurt Singapore's economy because oil tankers effectively would bypass the Asian refining center. *(DJ, WT)*
- Sept. 27** Argentina and the United Kingdom sign an agreement detailing oil exploration and development rights in the Falkland Islands. The settlement includes the formation of a joint commission to administer operations by private oil companies. Companies will be assessed a 32.5 percent corporate tax and a 9 percent royalty by the Falkland Islands' government. In addition, Argentina states that it will add a 3 percent tax for the use of its onshore oil facilities, which are deemed necessary to any exploration and production activity. Bidding rounds are scheduled for mid-1996. *(FT, WP)*
- Sept. 27** The Angolan government negotiates a 120-day truce with the Front for the Liberation of the Enclave of Cabinda (FLEC), which has been fighting for the independence of the small enclave located between Zaire and the Congo. In the past, FLEC has used Pointe Noire in the Congo as a base for staging attacks in Cabinda. The insurgency also has received active support from Zaire. Negotiations included talks between Angolan President dos Santos and Congolese President Pascal Lissouba. Over one half of Angola's oil production is from offshore Cabinda. The truce follows the Angolan government's May 1995 peace treaty with UNITA. *(DJ)*
- Sept. 27** The Nigerian government states that it has agreed on a rescheduling of its debt to foreign oil companies. In March 1995, Nigeria's debt was estimated at \$625 million, down from almost \$1 billion at the end of 1994. Oil Minister Dan Etete states that his country's repayments have been rescheduled until late 1996. *(DJ)*
- Sept. 28** In Vietnam, Australia-based BHP states that it will withdraw from the Dai Hung oil field project by April 1996 unless its contract terms are revised by the Vietnamese government. The 30,000-barrel-per-day Dai Hung field is Vietnam's only Western-operated oil field. Oil reserve estimates for the field recently were revised downward, and BHP's original plans for boosting output at the field to over 200,000 barrels per day are no longer feasible. *(DJ)*
- Oct. 2** Argentina announces proposed rules for companies wishing to explore for oil in waters around the Falkland (Malvinas) Islands. The government states its intention to charge a levy of up to 3 percent of any oil revenues, as well as to collect exploration fees. Despite a pact signed earlier between Britain and Argentina enabling each country to collect royalties from the disputed waters, uncertainty over the administration of parts of the prospective oil fields remains. *(FT)*
- Oct. 4** Iran's first oil-drilling platform in the Caspian Sea begins operations, according to Tehran Radio. Initial drilling in the Iranian sector of the Caspian has so far yielded little oil, in spite of the widely-held belief that the Sea holds vast quantities of hydrocarbons. *(DJ)*

- Oct. 4** Russian President Boris Yeltsin orders the government to provide financing and tax breaks to pay for rebuilding the oil industry in the war-ravaged republic of Chechnya. The government hopes to more than double current oil production levels in the republic. *(DJ)*
- Oct. 7** The 11-company Azerbaijan International Operating Company (AIOC) decides to export early production from three Caspian Sea oil fields through both Russia and Georgia. The AIOC plans to spend \$55 million on developing the Russian route, which relies heavily on existing infrastructure, and in excess of \$200 million on the western route through Georgia (and ultimately Turkey). *(PON)*
- Oct. 13** Ecuador's oil workers' union, FETRAPEC, stages a one-week work stoppage. Demands include the resignation of Ecuador's Energy Minister Galo Abril; nullification of the tender for expansion of the Transecuadorean crude oil pipeline; and cancellation of plans to privatize Petroproduccion's Oriente marginal fields and the La Libertad refinery. The strike takes place following the flight of Ecuadorean Vice President Alberto Darik to Costa Rica. Darik, the chief architect of the government's privatization and modernization programs (which are opposed by state oil workers) fled following an order for his arrest by the Ecuadorean Supreme Court on charges of corruption, bribery, and embezzlement. *(PON)*
- Oct. 17** Indonesia's Minister of Mines and Energy and current president of OPEC, Ida Bagus Sujana, states his desire that OPEC maintain its current crude oil production ceiling of 24.52 million barrels per day, in order to stabilize world oil prices. He tells a news conference that the Indonesian proposal would be discussed at OPEC's annual meeting in Vienna in November. OPEC decided in November 1994 to extend the ceiling of 24.52 million barrels per day for 12 months. *(DJ)*
- Oct. 20** Unocal announces that it is to sign agreements with the government of Turkmenistan to build multi-billion-dollar natural gas and oil pipelines that would carry Turkmeni hydrocarbons to Pakistan for delivery to domestic and export markets. Both pipelines would transit war-torn Afghanistan. The 800-mile natural gas pipeline would have an estimated throughput of at least 2 billion cubic feet per day and an estimated construction cost of about \$3 billion. The oil pipeline, which would likely follow the same route as the gas pipeline until it reached Pakistan, has an estimated cost of \$5 billion. *(PON)*
- Oct. 21** The state-owned Kuwait Oil Company announces the discovery of new oil reservoirs containing an estimated 350 million barrels of reserves. This marks the first discovery in an area where exploration had begun before the Iraqi invasion in August 1990. Exploration resumed in February 1994, three years after Iraqi forces were driven from Kuwait. *(DJ)*
- Oct. 24** Ecuadorean Energy Minister Galo Abril resigns after protests from state oil workers regarding his support for construction of a new oil pipeline without state participation. *(DJ)*
- Oct. 24** Greece announces the launch of an international tender to grant oil exploration and development rights to six sites in western Greece -- three offshore and three onshore -- including the Kakakolon oil field, which was discovered in 1981. *(DJ)*
- Oct. 26** Venezuela's Energy and Mines Ministry announces that British Petroleum plans to invest \$1 billion in Venezuela's oil industry over the next five years. *(DJ)*
- Oct. 28** U.N. Secretary-General Boutros Boutros-Ghali once again urges Iraq to accept a formula allowing limited oil sales to buy food, medicine and other humanitarian supplies. However, Iraqi Vice President Taha Marouf turns down the proposal during a meeting with Boutros-Ghali at ceremonies marking the U.N.'s 50th anniversary. *(DJ)*
- Oct. 30** Iranian Oil Minister, Gholamreza Agazadeh, and Russian Deputy Prime Minister Alexander Balshakov hold talks in Tehran on oil and gas exploration in the Caspian Sea. The two sides issue a joint call for a legal regime to regulate the division of Caspian Sea resources among littoral states and for continued collaboration between their two countries on oil exploration and drilling in the disputed region. *(DJ)*
- Oct. 31** Lithuania recalls its ambassador from Latvia to protest an oil exploration deal that Latvia signed with Western companies Amoco of the U.S. and Svensk Oljedistribution AB of Sweden. The deal would allow the companies to

explore for oil off Latvia's Baltic coast. Lithuania considers ownership of the exploration area to be in dispute and opposes the deal because of concerns that its sovereignty would be harmed. (DJ)

- Oct. 31** The International Finance Company (IFC), the private sector arm of the World Bank, announces that it will invest \$8 million in the India Oil and Gas Finance Facility, a fund that will lend money to small and medium-sized projects in India's oil and gas sector. The IFC funding will be complemented by an additional \$2 million from Creditcapital Venture Fund Ltd., an Indian venture capital company. (DJ)
- Nov. 2** After a leading political opposition figure is assassinated in Bogota, Colombian President Samper declares a 90-day state of emergency. (DJ)
- Nov. 4** In Azerbaijan, a consortium of foreign oil companies comprising Agip, Lukoil, and Pennzoil, sign a contract to develop the Caspian Sea's Karabakh oil field which could hold reserves of over 500 million barrels. (DJ)
- Nov. 6** The Bolivian Workers Confederation and Bolivia's state-owned oil company, YPFB, stage a 24-hour strike which closes refineries, hospitals, and schools. The strike is held in protest of the government's plan to privatize YPFB. Bolivia has an estimated 4.5 trillion cubic feet of proven natural gas reserves and soon could become a major player in Latin America's gas markets. Currently, a \$2-billion pipeline to transport Bolivian natural gas to Sao Paulo, Brazil is under construction. (DJ)
- Nov. 8** In Peru, Chevron signs an agreement with state-owned Petroperu to conduct exploration in Block 52, which is located adjacent to the 13-trillion-cubic-foot Camisea natural gas field. The contract is significant because Chevron agreed to pay royalties three times the legal minimum under Peru's current hydrocarbon law. This could influence terms for future regional oil and gas contracts for Peru's potentially hydrocarbon-rich Amazon basin. Petroperu plans to tie Camisea gas into the Bolivia-Brazil natural gas pipeline, which will form the basis for a future Southern Cone gas grid. (DJ, PIW)
- Nov. 8** The Brazilian Senate passes legislation to open up the country's oil sector to foreign investment. The legislation will not take effect until mid-1996 after the government has drafted guidelines for potential investors. In August 1995, Brazilian President Fernando Henrique Cardoso issued a decree prohibiting the privatization of the state-owned oil company, Petrobras. (DJ)
- Nov. 10** Many countries express outrage after the Nigerian government's execution of human rights advocate Ken Saro-Wiwa and eight other political activists. The U.S. condemns the executions, which took place shortly after a secret military tribunal found the nine men guilty of murder charges. The European Union states its intention of freezing all aid to Nigeria, while Germany and Sweden call for an international oil embargo against the country. U.S. crude oil and petroleum product imports from Nigeria in the first nine months of 1995 accounted for about 8 percent of total U.S. imports. (DJ)
- Nov. 13** In Vietnam, Mitsui pulls out of a \$420-million natural gas development project with British Gas. Mitsui's project was part of a larger Vietnamese plan to use its newly discovered gas reserves to fuel power plants in southern Vietnam, which is experiencing strong economic and electricity demand growth. Mitsui was to have built an offshore gas compression platform, a pipeline to carry gas onshore, and a liquefied petroleum gas facility. (FT)
- Nov. 14** In Mexico, Director Adrian Lagous of state-owned Pemex says that the country's oil production has returned to normal after being cut by one-third in October because of Hurricane Roxanne. (DJ)
- Nov. 22** OPEC states that it will roll over its current oil production quota of 25.42 million barrels per day. The roll-over was widely anticipated because of slack world oil demand, rising non-OPEC production, and weak prices. (DJ, PON)
- Nov. 22** In Kazakstan, Western oil companies form a new consortium to build a \$1.2-billion pipeline to transport crude oil from Chevron's Tengiz oil field to the Black Sea. The consortium includes Agip, British Gas, Chevron, Lukoil, and Mobil. The new group replaces the old Caspian Pipeline Consortium, which had planned to build an export pipeline but which was plagued by financing problems. (DJ)

- Nov. 25 The British Broadcasting Corporation reports that Iran plans to hold a sports competition on Abu Musa Island during an upcoming week of events planned to commemorate the Iran-Iraq War. The announcement comes amidst a recent failure of talks between the UAE and Iran to diplomatically resolve a territorial dispute. Iran seized both Abu Musa and the Tunb Islands in the early 1970s. The islands are strategically located in the Strait of Hormuz, which serves as the export route for just over one-fifth of the world's crude oil supply. (DJ)
- Nov. 26 Ecuador's citizens vote in a national referendum concerning the major political and economic issues presently facing the country. The vote results in a number of changes, which include allowing oil unions and public sector workers to strike and a rejection of expansion plans for the 325,000-barrel-per-day Transecuadorean oil pipeline. The proposed \$600-million expansion project was deemed necessary by some government officials because the pipeline currently is operating above capacity at 350,000 barrels per day. The rejected 100,000-barrel-per-day expansion plan may be replaced by a smaller spur-link to transport heavy crude oil from the Oriente basin in the Amazon region. (DJ, NYT)
- Nov. 28 Albania begins its second onshore oil licensing round in hopes of attracting additional foreign investment. From a peak of around 50,000 barrels per day in the early 1980s, the country's oil production has fallen to around 10,000 barrels per day. Albania hopes that international investment will rehabilitate the country's oil industry and, since the first bidding round in 1991, foreign oil company investment in Albania has reached \$100 million. (FT)
- Nov. 29 President Clinton approves legislation lifting a 22-year-old ban on exports of oil from the Alaskan North Slope (ANS). The ban was imposed after the oil embargo by Arab oil producers in 1973. The lifting of the ban opens up about one-quarter of U.S. crude oil production for export. The ANS legislation also waives royalty payments on deep water oil and gas leases in the Gulf of Mexico. (WP)
- Dec. 5 In Indonesia, press reports state that the government will allow foreign investment in the country's downstream oil sector. New revisions will allow for marketing and sale of refined petroleum products and possibly tax consolidation for foreign companies which explore in Indonesia's eastern frontier areas. (DJ)
- Dec. 5 In Colombia, Texaco signs an agreement with state-owned Ecopetrol to develop and operate three natural gas fields in the northeastern Guajira region. The deal extends a current contract from 2004 to 2016 and calls for doubling the region's current 300-million-cubic-foot-per-day natural gas output through new drilling and infrastructure development. (DJ)
- Dec. 5 Indian Petroleum Ministry officials announce the country plans to deregulate its downstream oil sector by 2001. If the federal cabinet approves the proposal, price subsidies will be lifted and import tariffs cut for both crude oil and refined petroleum products. (PON)
- Dec. 6 In Colombia, Ecopetrol employees begin a 24-hour strike to protest a modernization program which will automate crude oil production activities and potentially eliminate many jobs. Also, Ecopetrol workers are said to believe that private companies will be contracted to perform jobs currently undertaken by unionized employees. (DJ)
- Dec. 7 Chevron's and Texaco's jointly-owned company, Caltex, announces plans to sell its \$1.98-billion stake in Japanese refinery operations to Nippon Oil. The move follows Japan's planned liberalization of the country's downstream sector, which will lift restrictions on refined petroleum product imports on April 1, 1996. At that time, Caltex will be able to supply Japan with refined petroleum products from other parts of Asia with lower operating costs. (WSJ)
- Dec. 12 Speaking in New York during a U.S. visit by Angolan President Eduardo dos Santos, Joaquim David, president of the state-owned oil company, Sonangol, states that Angola will increase its crude oil production by 10 percent per year over the next five years, reaching 720,000 barrels per day by the end of 1996 and 1 million barrels per day by 2001. The statement comes amidst sporadic violence involving government forces and the rebel group UNITA, less than a year after a peace accord was signed ending the country's 20-year-old civil war. At the end of 1995, Angola had raised its crude oil production to 690,000 barrels per day. (PON, DJ)
- Dec. 14 In Venezuela, Chevron signs a \$2.5-billion contract with Maraven, a subsidiary of state-owned PDVSA, to boost heavy oil production from Lake Maracaibo's 1.6-billion-barrel Boscan field in western Venezuela. The field's current output of 80,000 barrels per day will be raised to 115,000 barrels per day, the majority of which will be used in Chevron's asphalt refining and marketing network in the northeastern and western U.S. (DJ)

- Dec. 15** A consortium comprising the Nigerian National Petroleum Corporation, France's Elf, Italy's Agip, and Royal Dutch/Shell sign a construction contract to build a \$4-billion LNG plant in Nigeria. (PON)
- Dec. 15** Yemen and Eritrea fight over control of Greater Hanish Island, which is strategically located in the southern Red Sea just north of the Bab el-Mandeb Strait. Ethiopian Prime Minister Meles Zenawi subsequently begins mediation efforts, requesting that both sides withdraw their forces. Shortly thereafter, Eritrea releases 200 captured Yemeni soldiers as a gesture of good faith. In September 1995, Eritrea awarded Houston-based Anadarko Petroleum an exploration block surrounding the nearby Dahlok Archipelago. (DJ, WT)
- Dec. 18** British Petroleum and Algeria's state-owned oil and gas company, Sonatrach, agree to a \$3.5-billion deal to develop the In Salah natural gas fields located in the country's southern Sahara Desert region. The agreement culminates two years of negotiations and represents the largest foreign investment deal in Algeria since the start of the country's civil war four years ago. Algeria, which contains the world's eighth-largest gas reserves and is the world's second-largest LNG exporter, has made development of its natural gas reserves a priority. (FT)
- Dec. 18** Shell Nigeria officials announce that the company has appointed independent consultants to conduct an environmental survey to ascertain the damage which Shell may have caused in the Niger River Delta. The action follows accusations by ethnic Ogonis and political activists that Shell destroyed productive farmland and supported the military regime. (FT)
- Dec. 18** With little opposition, the U.S. Senate passes the Iran Oil Sanctions Act. The U.S. House of Representatives is expected to vote on the legislation in late January 1996. The bill applies secondary sanctions to foreign companies which invest over \$40 million in Iran's oil sector by applying punitive measures to their attempts to conduct business in the U.S. Under a recent revision, the bill also introduces similar measures against foreign companies conducting business in Libya. (DJ)
- Dec. 28** Iran's official Islamic Republican News Agency reports that Iran and Russia have agreed to form joint oil exploration and development companies. The agreement comes amidst increased U.S. efforts to isolate Iran's oil sector from foreign investment. (DJ)
- Dec. 29** After eight Arab countries issue a statement supporting the UAE in its claim to Abu Musa and the Tunb Islands, the Iranian Foreign Ministry declares that the islands are "an inseparable part of Iran." The Iranian statement follows repeated attempts over the past few months to negotiate a settlement over the islands, which are strategically located in the Strait of Hormuz. Iran seized the islands from the UAE in 1971. (DJ)
- Dec. 30** Iraq and Jordan sign a deal to increase Iraqi crude oil supplies to Jordan by 5 percent over the coming year. Recently, Iraq has supplied Jordan with roughly 55,000 barrels per day of crude oil and 25,000 barrels per day of fuel oil. The oil deliveries are conducted with U.N. approval and are allowed as part of a deal to settle Iraq's estimated \$1.1-billion debt incurred from its 1980-1988 war with Iran. (DJ)
- Dec. 30** Mexican President Ernesto Zedillo Ponce replaces key members of his cabinet in an apparent effort to advance his political agenda. The reshuffling includes replacing Energy Minister Ignacio Pichardo Pagaza with Jesus Reyes Heróles Gonzalez Garza. (DJ)
- Dec. 30** Russian President Boris Yeltsin signs the country's long-awaited production sharing agreement (PSA) legislation, which previously had been rejected by the Russian parliament in October 1995. While the PSA law is designed to encourage investment by foreign oil companies, initial reaction by Western companies is muted. An estimated \$60- to \$80-billion worth of foreign investment has been waiting for the adoption of new legislation which could provide a precise contractual framework for would-be investors. (WSJ)

Appendix E

**World Energy
Consumption (Btu),
1986-1995**

Table E1 World Primary Energy Consumption (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	9.97	10.15	10.88	11.14	10.99	10.76	10.99	11.35	11.60	11.72
Mexico.....	4.46	4.50	4.67	4.83	4.90	5.15	5.29	5.33	5.44	5.59
United States.....	74.31	76.92	80.21	81.76	82.00	81.85	82.95	84.78	86.42	88.28
Other.....	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01
Total.....	88.75	91.59	95.78	97.74	97.90	97.78	99.25	101.47	103.46	105.60
Central & South America										
Argentina.....	1.84	1.89	1.90	1.87	1.82	1.87	2.10	2.25	2.30	2.47
Brazil.....	5.17	5.34	5.53	5.69	5.71	5.96	6.02	6.34	6.56	6.76
Chile.....	0.39	0.41	0.45	0.50	0.56	0.56	0.61	0.67	0.71	0.73
Colombia.....	0.89	0.85	0.92	0.96	0.96	0.96	1.03	1.06	1.10	1.24
Cuba.....	0.49	0.48	0.49	0.50	0.49	0.45	0.40	0.40	0.40	0.41
Venezuela.....	1.84	1.88	1.90	2.02	2.09	2.22	2.22	2.30	2.44	2.53
Other.....	2.34	2.43	2.44	2.49	2.55	2.64	2.70	2.84	3.04	3.12
Total.....	12.96	13.28	13.62	14.04	14.18	14.66	15.08	15.87	16.55	17.26
Western Europe										
Austria.....	1.12	1.05	1.14	1.15	1.16	1.23	1.23	1.26	1.24	1.25
Belgium.....	2.04	2.05	2.05	2.09	2.16	2.27	2.26	2.24	2.33	2.35
Denmark.....	0.81	0.84	0.83	0.82	0.81	0.83	0.86	0.75	0.76	0.94
Finland.....	1.00	1.09	1.11	1.13	1.16	1.12	1.09	1.13	1.17	1.12
France.....	8.36	8.49	8.35	8.64	8.90	9.40	9.41	9.34	9.17	9.43
Germany.....	—	—	—	—	—	14.23	14.21	14.08	13.71	13.71
Germany, East.....	3.99	3.94	3.86	3.71	3.31	—	—	—	—	—
Germany, West.....	11.42	11.42	11.46	11.16	11.43	—	—	—	—	—
Greece.....	0.85	0.90	0.97	0.99	1.04	1.08	1.06	1.08	1.11	1.16
Ireland.....	0.33	0.32	0.33	0.35	0.36	0.38	0.40	0.40	0.43	0.48
Italy.....	6.34	6.66	6.77	7.03	6.96	7.14	7.18	6.99	6.95	7.42
Netherlands.....	3.16	3.24	3.24	3.25	3.41	3.55	3.51	3.56	3.58	3.77
Norway.....	1.52	1.59	1.55	1.56	1.58	1.59	1.65	1.65	1.67	1.70
Portugal.....	0.57	0.64	0.67	0.70	0.76	0.74	0.75	0.77	0.80	0.85
Spain.....	3.56	3.62	3.97	4.09	3.89	4.11	4.16	4.06	4.22	4.46
Sweden.....	2.14	2.23	2.22	2.18	2.15	2.16	2.16	2.15	2.17	2.16
Switzerland.....	1.10	1.10	1.12	1.13	1.17	1.21	1.21	1.19	1.20	1.16
Turkey.....	1.49	1.67	1.73	1.78	1.90	2.07	2.10	2.34	2.29	2.53
United Kingdom.....	8.95	9.09	9.13	9.38	9.39	9.61	9.35	9.60	9.74	9.85
Former Yugoslavia.....	2.22	2.23	2.23	2.24	2.10	1.85	—	—	—	—
Croatia.....	—	—	—	—	—	—	0.32	0.31	0.35	0.34
Serbia and Montenegro.....	—	—	—	—	—	—	0.71	0.55	0.58	0.61
Other.....	0.26	0.26	0.28	0.29	0.30	0.31	0.81	0.80	0.74	0.73
Total.....	61.23	62.44	63.01	63.67	63.96	64.87	64.41	64.28	64.21	66.02
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	1.56	1.56	1.55	1.45	1.27	1.00	1.00	0.98	0.98	1.04
Former Czechoslovakia.....	4.28	4.38	4.30	4.21	3.94	3.57	3.10	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	2.10	2.18	2.17
Slovakia.....	—	—	—	—	—	—	—	0.73	0.75	0.77
Hungary.....	1.44	1.43	1.43	1.41	1.25	1.16	1.07	1.07	1.05	1.10
Poland.....	5.06	5.24	5.17	4.96	3.91	3.85	3.84	3.98	3.78	3.75
Romania.....	3.07	3.14	3.11	3.25	2.88	2.14	1.97	1.95	1.86	1.98
Former U.S.S.R.....	54.92	56.16	57.97	57.45	58.12	54.93	—	—	—	—
Azerbaijan.....	—	—	—	—	—	—	0.92	0.79	0.72	0.56
Belarus.....	—	—	—	—	—	—	1.50	1.28	1.09	1.01
Kazakhstan.....	—	—	—	—	—	—	3.36	2.75	2.06	1.62
Lithuania.....	—	—	—	—	—	—	0.43	0.36	0.36	0.36
Russia.....	—	—	—	—	—	—	33.75	31.10	28.14	26.75
Turkmenistan.....	—	—	—	—	—	—	0.27	0.25	0.25	0.28
Ukraine.....	—	—	—	—	—	—	8.48	8.23	7.11	6.32
Uzbekistan.....	—	—	—	—	—	—	1.61	1.99	1.73	1.82
Other.....	0.15	0.16	0.16	0.15	0.11	0.09	1.91	1.44	1.27	1.18
Total.....	70.49	72.07	73.69	72.88	71.49	66.75	63.21	59.01	53.32	50.70

See footnotes at end of table.

Table E1 World Primary Energy Consumption (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Bahrain.....	0.22	0.27	0.23	0.24	0.27	0.30	0.25	0.31	0.32	0.32
Iran.....	2.43	2.53	2.70	2.97	3.11	3.25	3.37	3.48	3.68	3.90
Iraq.....	0.62	0.64	0.77	0.82	0.92	0.60	0.84	0.96	1.08	1.25
Israel.....	0.37	0.39	0.42	0.44	0.45	0.48	0.54	0.60	0.62	0.66
Kuwait.....	0.45	0.54	0.62	0.70	0.45	0.11	0.26	0.43	0.50	0.55
Oman.....	0.13	0.14	0.13	0.17	0.18	0.21	0.20	0.23	0.24	0.26
Qatar.....	0.26	0.27	0.27	0.29	0.36	0.42	0.49	0.57	0.57	0.58
Saudi Arabia.....	2.94	3.00	3.11	3.07	3.15	3.28	3.39	3.52	3.64	3.72
Syria.....	0.37	0.43	0.47	0.50	0.60	0.57	0.60	0.65	0.69	0.74
United Arab Emirates.....	0.90	1.07	1.17	1.26	1.23	1.49	1.55	1.48	1.49	1.58
Yemen.....	0.14	0.14	0.14	0.15	0.16	0.17	0.17	0.14	0.14	0.15
Other.....	0.28	0.30	0.29	0.28	0.29	0.33	0.36	0.39	0.45	0.45
Total.....	9.12	9.71	10.33	10.90	11.15	11.21	12.03	12.77	13.39	14.14
Africa										
Algeria.....	0.99	1.05	1.12	1.09	1.14	1.26	1.22	1.16	1.22	1.26
Angola.....	0.08	0.08	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09
Egypt.....	1.24	1.29	1.30	1.35	1.44	1.43	1.43	1.49	1.53	1.55
Gabon.....	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.05
Libya.....	0.44	0.45	0.46	0.48	0.51	0.53	0.49	0.51	0.53	0.54
Morocco.....	0.25	0.25	0.27	0.30	0.31	0.32	0.33	0.36	0.41	0.41
Nigeria.....	0.59	0.62	0.66	0.71	0.70	0.76	0.78	0.80	0.68	0.78
South Africa.....	4.44	4.49	4.65	4.35	4.30	4.49	4.67	4.87	5.29	5.51
Zimbabwe.....	0.20	0.20	0.21	0.22	0.23	0.23	0.24	0.22	0.24	0.25
Other.....	1.25	1.24	1.31	1.38	1.43	1.44	1.49	1.54	1.64	1.67
Total.....	9.51	9.72	10.10	10.01	10.17	10.60	10.78	11.08	11.67	12.12
Far East & Oceania										
Australia.....	3.14	3.27	3.39	3.54	3.97	3.78	3.85	3.77	3.75	4.43
Bangladesh.....	0.19	0.21	0.23	0.25	0.25	0.26	0.29	0.30	0.33	0.35
Brunei.....	0.05	0.08	0.07	0.08	0.07	0.04	0.05	0.05	0.05	0.06
China.....	23.24	24.74	26.46	26.94	26.99	28.24	29.34	31.83	34.05	35.67
Hong Kong.....	0.38	0.43	0.48	0.50	0.48	0.46	0.50	0.55	0.59	0.59
India.....	6.33	6.36	6.89	7.24	7.74	8.01	8.51	9.19	9.72	10.50
Indonesia.....	1.64	1.82	1.86	2.07	2.18	2.29	2.46	2.75	2.91	3.06
Japan.....	15.55	15.98	16.93	17.53	17.97	18.89	19.05	19.80	20.77	21.42
Korea, North.....	1.86	1.91	1.98	2.04	2.10	2.13	2.02	2.08	2.07	2.08
Korea, South.....	2.50	2.69	3.02	3.33	3.74	4.17	4.68	5.51	5.89	6.28
Malaysia.....	0.75	0.76	0.80	0.86	0.98	1.09	1.13	1.29	1.43	1.56
New Zealand.....	0.63	0.65	0.68	0.70	0.73	0.73	0.73	0.77	0.78	0.85
Pakistan.....	0.93	1.00	1.08	1.13	1.19	1.25	1.29	1.41	1.50	1.52
Philippines.....	0.54	0.60	0.64	0.71	0.73	0.74	0.79	0.84	0.88	0.95
Singapore.....	0.57	0.63	0.68	0.73	0.80	0.86	0.96	1.08	1.19	1.25
Taiwan.....	1.57	1.68	1.81	1.93	2.04	2.10	2.19	2.43	2.60	2.69
Thailand.....	0.72	0.79	0.92	1.08	1.26	1.37	1.47	1.68	1.82	1.96
Vietnam.....	0.23	0.26	0.26	0.26	0.29	0.27	0.30	0.40	0.44	0.50
Other.....	0.60	0.57	0.61	0.62	0.64	0.58	0.56	0.60	0.64	0.66
Total.....	61.42	64.42	68.80	71.54	74.15	77.24	80.17	86.32	91.41	96.40
World Total.....	313.48	323.21	335.33	340.78	342.99	343.10	344.93	350.79	354.02	362.24

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Primary energy consumption includes petroleum, natural gas, coal, and net hydroelectric, nuclear, geothermal, solar, and wind electric power. Data for United States also include electricity generated from wood and waste. United States apparent coal consumption is calculated as:

production+imports-exports-stock builds. A different methodology for deriving coal consumption is used in the Monthly Energy Review.

Sources: See sources at the end of Sections 3, 4, 5, and 6.

Table E2 World Petroleum Consumption (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	3.03	3.11	3.40	3.48	3.39	3.24	3.28	3.33	3.40	3.44
Mexico.....	3.12	3.20	3.27	3.36	3.44	3.45	3.47	3.58	3.72	3.67
United States.....	32.20	32.87	34.22	34.21	33.55	32.85	33.53	33.84	34.74	34.66
Other.....	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.01
Total.....	38.35	39.18	40.91	41.07	40.39	39.55	40.30	40.76	41.87	41.78
Central & South America										
Argentina.....	0.94	0.99	0.97	0.89	0.84	0.84	0.90	0.97	0.96	1.00
Bolivia.....	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06
Brazil.....	2.52	2.57	2.65	2.68	2.71	2.73	2.77	2.82	2.97	3.02
Chile.....	0.19	0.21	0.22	0.25	0.27	0.29	0.30	0.34	0.36	0.37
Colombia.....	0.34	0.37	0.40	0.41	0.39	0.41	0.46	0.48	0.48	0.50
Costa Rica.....	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.06	0.06	0.06
Cuba.....	0.48	0.47	0.48	0.49	0.48	0.44	0.39	0.39	0.40	0.40
Dominican Republic.....	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.12	0.14	0.13
Ecuador.....	0.19	0.18	0.19	0.18	0.20	0.21	0.24	0.22	0.24	0.25
El Salvador.....	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.05	0.05
Guatemala.....	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.08	0.08
Honduras.....	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
Jamaica.....	0.07	0.07	0.08	0.09	0.10	0.10	0.11	0.11	0.12	0.12
Netherlands Antilles.....	0.15	0.15	0.14	0.15	0.16	0.14	0.14	0.16	0.17	0.17
Panama.....	0.05	0.06	0.06	0.05	0.06	0.07	0.09	0.09	0.09	0.10
Peru.....	0.28	0.29	0.30	0.25	0.25	0.23	0.25	0.26	0.27	0.28
Puerto Rico.....	0.33	0.34	0.31	0.30	0.29	0.37	0.32	0.33	0.35	0.36
Trinidad and Tobago.....	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05
Uruguay.....	0.05	0.06	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.06
Venezuela.....	0.81	0.81	0.80	0.78	0.79	0.81	0.83	0.83	0.85	0.84
Virgin Islands, U.S.....	0.10	0.12	0.08	0.12	0.11	0.12	0.11	0.12	0.13	0.14
Other.....	0.20	0.21	0.22	0.24	0.25	0.24	0.24	0.26	0.27	0.28
Total.....	7.02	7.23	7.31	7.33	7.35	7.46	7.64	7.87	8.21	8.37
Western Europe										
Austria.....	0.44	0.46	0.44	0.45	0.45	0.49	0.48	0.48	0.49	0.49
Belgium.....	0.96	0.95	0.99	0.97	0.97	1.06	1.08	1.05	1.08	1.04
Denmark.....	0.46	0.45	0.43	0.41	0.40	0.41	0.40	0.41	0.44	0.47
Finland.....	0.44	0.48	0.48	0.48	0.47	0.48	0.46	0.44	0.46	0.43
France.....	3.63	3.67	3.69	3.81	3.73	3.99	3.96	3.85	3.77	3.93
Germany.....	--	--	--	--	--	5.85	5.87	5.97	5.92	5.91
Germany, East.....	0.76	0.72	0.67	0.62	0.58	--	--	--	--	--
Germany, West.....	5.18	5.00	5.01	4.69	4.90	--	--	--	--	--
Greece.....	0.53	0.57	0.60	0.62	0.67	0.68	0.70	0.72	0.74	0.75
Ireland.....	0.20	0.17	0.16	0.17	0.19	0.21	0.22	0.22	0.24	0.26
Italy.....	3.67	3.93	3.89	4.07	3.94	3.92	4.08	3.87	3.84	4.11
Luxembourg.....	0.05	0.06	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.08
Netherlands.....	1.40	1.40	1.49	1.47	1.52	1.57	1.59	1.58	1.59	1.65
Norway.....	0.37	0.42	0.37	0.38	0.38	0.37	0.37	0.37	0.37	0.37
Portugal.....	0.41	0.44	0.43	0.52	0.52	0.53	0.58	0.55	0.56	0.60
Spain.....	1.80	1.85	2.03	2.13	2.09	2.21	2.29	2.18	2.33	2.48
Sweden.....	0.77	0.77	0.74	0.69	0.65	0.66	0.70	0.68	0.72	0.68
Switzerland.....	0.56	0.54	0.54	0.53	0.56	0.58	0.59	0.57	0.58	0.52
Turkey.....	0.81	0.94	0.93	0.91	0.98	0.97	1.02	1.16	1.11	1.22
United Kingdom.....	3.37	3.26	3.46	3.55	3.59	3.68	3.67	3.70	3.72	3.72
Former Yugoslavia.....	0.64	0.66	0.67	0.66	0.67	0.53	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	0.07	0.05	0.04	0.04
Croatia.....	--	--	--	--	--	--	0.14	0.13	0.17	0.17
Macedonia, TFYR.....	--	--	--	--	--	--	0.04	0.05	0.04	0.04
Serbia and Montenegro.....	--	--	--	--	--	--	0.12	0.07	0.07	0.08
Slovenia.....	--	--	--	--	--	--	0.07	0.09	0.09	0.09
Other.....	0.06	0.06	0.07	0.06	0.07	0.07	0.09	0.09	0.09	0.09
Total.....	26.54	26.78	27.16	27.26	27.42	28.32	28.69	28.37	28.51	29.21

See footnotes at end of table.

Table E2 World Petroleum Consumption (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	0.08	0.07	0.07	0.06	0.04	0.04	0.04	0.04	0.03	0.03
Bulgaria.....	0.62	0.60	0.60	0.50	0.41	0.26	0.28	0.25	0.27	0.29
Former Czechoslovakia.....	0.64	0.69	0.67	0.67	0.60	0.49	0.45	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	0.31	0.32	0.33
Slovakia.....	--	--	--	--	--	--	--	0.13	0.14	0.14
Hungary.....	0.44	0.42	0.40	0.38	0.37	0.34	0.36	0.35	0.36	0.36
Poland.....	0.70	0.71	0.73	0.72	0.58	0.57	0.62	0.62	0.63	0.65
Romania.....	0.69	0.73	0.71	0.74	0.82	0.60	0.53	0.53	0.47	0.55
Former U.S.S.R.....	18.81	18.82	18.54	18.25	17.48	17.45	--	--	--	--
Armenia.....	--	--	--	--	--	--	0.07	0.03	0.02	0.01
Azerbaijan.....	--	--	--	--	--	--	0.43	0.41	0.39	0.33
Belarus.....	--	--	--	--	--	--	0.79	0.62	0.55	0.52
Estonia.....	--	--	--	--	--	--	0.06	0.06	0.05	0.05
Georgia.....	--	--	--	--	--	--	0.06	0.03	0.01	0.02
Kazakhstan.....	--	--	--	--	--	--	0.85	0.71	0.63	0.57
Kyrgyzstan.....	--	--	--	--	--	--	0.07	0.04	0.01	0.02
Latvia.....	--	--	--	--	--	--	0.11	0.09	0.08	0.08
Lithuania.....	--	--	--	--	--	--	0.18	0.16	0.17	0.17
Moldova.....	--	--	--	--	--	--	0.12	0.09	0.05	0.05
Russia.....	--	--	--	--	--	--	9.32	7.86	6.66	6.13
Tajikistan.....	--	--	--	--	--	--	0.04	0.04	0.01	0.01
Turkmenistan.....	--	--	--	--	--	--	0.16	0.14	0.13	0.13
Ukraine.....	--	--	--	--	--	--	1.74	1.22	1.06	0.93
Uzbekistan.....	--	--	--	--	--	--	0.40	0.37	0.35	0.34
Total.....	21.99	22.05	21.72	21.32	20.32	19.75	16.69	14.11	12.41	11.69
Middle East										
Bahrain.....	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06
Cyprus.....	0.05	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09
Iran.....	1.76	1.83	1.85	2.03	2.11	2.27	2.28	2.34	2.36	2.47
Iraq.....	0.59	0.59	0.67	0.72	0.83	0.56	0.73	0.86	0.95	1.12
Israel.....	0.28	0.30	0.34	0.35	0.35	0.37	0.43	0.42	0.42	0.43
Jordan.....	0.13	0.14	0.13	0.13	0.14	0.13	0.15	0.15	0.17	0.18
Kuwait.....	0.25	0.24	0.25	0.26	0.18	0.09	0.17	0.23	0.28	0.32
Lebanon.....	0.10	0.10	0.09	0.07	0.07	0.11	0.11	0.14	0.16	0.15
Oman.....	0.06	0.05	0.05	0.07	0.08	0.08	0.08	0.08	0.08	0.09
Qatar.....	0.06	0.06	0.05	0.06	0.07	0.08	0.07	0.07	0.07	0.07
Saudi Arabia.....	2.01	2.01	2.04	1.97	2.02	2.09	2.13	2.19	2.24	2.23
Syria.....	0.34	0.38	0.41	0.42	0.43	0.37	0.39	0.44	0.48	0.49
United Arab Emirates.....	0.45	0.46	0.52	0.53	0.53	0.67	0.60	0.65	0.69	0.70
Yemen.....	0.14	0.14	0.14	0.15	0.16	0.17	0.17	0.14	0.14	0.15
Total.....	6.25	6.40	6.62	6.88	7.09	7.12	7.46	7.86	8.20	8.57

See footnotes at end of table.

Table E2 World Petroleum Consumption (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Africa										
Algeria.....	0.32	0.32	0.33	0.36	0.38	0.41	0.42	0.43	0.45	0.47
Angola.....	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.06
Cameroon.....	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.04	0.05	0.05
Congo.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cote d'Ivoire (Ivory Coast).....	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.11	0.12
Egypt.....	0.92	0.94	0.93	0.94	0.99	0.97	0.94	0.95	0.96	0.97
Ethiopia.....	0.04	0.04	0.04	0.04	0.04	0.03	0.05	0.05	0.03	0.03
Gabon.....	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04
Ghana.....	0.03	0.04	0.04	0.05	0.04	0.04	0.05	0.05	0.05	0.06
Kenya.....	0.08	0.07	0.08	0.09	0.09	0.08	0.09	0.09	0.09	0.09
Libya.....	0.27	0.28	0.30	0.31	0.33	0.35	0.31	0.34	0.35	0.36
Morocco.....	0.19	0.19	0.20	0.23	0.24	0.24	0.27	0.27	0.32	0.31
Nigeria.....	0.42	0.44	0.48	0.50	0.51	0.53	0.54	0.55	0.45	0.55
Senegal.....	0.04	0.04	0.03	0.04	0.04	0.03	0.04	0.04	0.05	0.05
South Africa.....	0.60	0.58	0.59	0.58	0.63	0.69	0.64	0.57	0.58	0.62
Sudan.....	0.06	0.06	0.06	0.06	0.05	0.08	0.07	0.07	0.06	0.06
Tunisia.....	0.13	0.11	0.13	0.13	0.13	0.15	0.15	0.15	0.17	0.17
Zaire.....	0.04	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05
Zimbabwe.....	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Other.....	0.30	0.30	0.32	0.34	0.38	0.37	0.40	0.41	0.46	0.47
Total.....	3.67	3.69	3.85	3.98	4.17	4.30	4.30	4.30	4.38	4.59
Far East & Oceania										
Australia.....	1.26	1.29	1.31	1.37	1.42	1.42	1.43	1.50	1.57	1.67
Bangladesh.....	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.10	0.10
Brunei.....	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.02
Burma.....	0.04	0.04	0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.04
China.....	4.27	4.51	4.83	5.03	4.85	5.29	5.59	6.19	6.53	6.89
Guam.....	0.02	0.01	0.01	0.01	0.03	0.03	0.03	0.05	0.06	0.06
Hong Kong.....	0.24	0.25	0.26	0.26	0.27	0.28	0.32	0.33	0.38	0.37
India.....	1.99	2.07	2.29	2.40	2.44	2.49	2.66	2.73	2.94	3.28
Indonesia.....	0.98	1.03	1.10	1.22	1.36	1.45	1.48	1.59	1.61	1.67
Japan.....	9.00	9.08	9.69	10.14	10.44	10.76	11.10	10.95	11.56	11.63
Korea, North.....	0.14	0.14	0.14	0.13	0.15	0.16	0.15	0.15	0.14	0.14
Korea, South.....	1.28	1.34	1.54	1.77	2.15	2.53	3.05	3.54	3.88	4.09
Malaysia.....	0.41	0.41	0.43	0.46	0.55	0.58	0.62	0.70	0.79	0.83
Mongolia.....	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
New Zealand.....	0.17	0.18	0.19	0.21	0.22	0.21	0.22	0.25	0.26	0.31
Pakistan.....	0.35	0.38	0.41	0.44	0.47	0.47	0.49	0.55	0.61	0.63
Papua New Guinea.....	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Philippines.....	0.34	0.40	0.42	0.49	0.50	0.50	0.55	0.60	0.64	0.68
Singapore.....	0.57	0.63	0.68	0.73	0.80	0.85	0.93	1.03	1.14	1.20
Sri Lanka.....	0.07	0.08	0.07	0.07	0.07	0.07	0.08	0.09	0.09	0.10
Taiwan.....	0.85	0.88	1.02	1.11	1.14	1.15	1.17	1.30	1.39	1.43
Thailand.....	0.48	0.53	0.58	0.72	0.84	0.91	1.00	1.14	1.26	1.36
Vietnam.....	0.06	0.07	0.09	0.10	0.11	0.12	0.13	0.16	0.18	0.20
Other.....	0.20	0.14	0.14	0.15	0.15	0.15	0.14	0.14	0.14	0.15
Total.....	22.88	23.62	25.37	26.99	28.15	29.64	31.33	33.18	35.37	36.93
World Total.....	126.70	128.95	132.96	134.82	134.89	136.13	136.40	136.45	138.95	141.15

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 3.

Table E3 World Dry Natural Gas Consumption (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	2.16	2.14	2.37	2.53	2.41	2.44	2.64	2.76	2.92	2.89
Mexico.....	0.93	0.88	0.94	0.96	0.96	1.21	1.24	1.14	1.16	1.21
United States.....	16.71	17.74	18.55	19.38	19.30	19.61	20.13	20.83	21.34	22.25
Total.....	19.80	20.76	21.87	22.88	22.67	23.26	24.01	24.73	25.42	26.35
Central & South America										
Argentina.....	0.58	0.56	0.66	0.75	0.67	0.73	0.85	0.90	0.93	1.04
Barbados.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Bolivia.....	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04
Brazil.....	0.09	0.11	0.10	0.13	0.11	0.14	0.15	0.17	0.18	0.19
Chile.....	0.03	0.03	0.04	0.06	0.07	0.05	0.05	0.06	0.07	0.07
Colombia.....	0.16	0.13	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.17
Cuba.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Ecuador.....	(s)	(s)	(s)	(s)	0.01	(s)	(s)	(s)	(s)	0.01
Peru.....	0.05	0.05	0.04	0.04	0.02	0.02	0.02	0.03	0.03	0.03
Trinidad and Tobago.....	0.16	0.15	0.16	0.17	0.18	0.21	0.20	0.23	0.26	0.26
Venezuela.....	0.77	0.75	0.75	0.88	0.91	0.95	0.91	0.97	1.04	1.11
Total.....	1.86	1.79	1.91	2.19	2.14	2.27	2.37	2.55	2.70	2.90
Western Europe										
Austria.....	0.20	0.21	0.20	0.21	0.23	0.24	0.24	0.26	0.26	0.28
Belgium.....	0.29	0.32	0.32	0.35	0.36	0.39	0.40	0.42	0.43	0.47
Denmark.....	0.05	0.06	0.06	0.07	0.08	0.09	0.09	0.11	0.12	0.14
Finland.....	0.04	0.06	0.06	0.08	0.10	0.11	0.11	0.11	0.13	0.13
France.....	1.07	1.11	1.06	1.08	1.12	1.26	1.26	1.23	1.19	1.26
Germany.....	--	--	--	--	--	2.57	2.55	2.72	2.76	2.88
Germany, East.....	0.23	0.21	0.23	0.23	0.13	--	--	--	--	--
Germany, West.....	1.77	1.93	1.88	2.00	2.05	--	--	--	--	--
Greece.....	(s)	(s)	0.01	0.01	0.01	0.01	0.01	(s)	(s)	(s)
Ireland.....	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.10	0.10	0.10
Italy.....	1.29	1.43	1.52	1.64	1.74	1.80	1.78	1.80	1.75	1.93
Luxembourg.....	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02
Netherlands.....	1.45	1.50	1.35	1.39	1.37	1.53	1.49	1.52	1.47	1.52
Norway.....	0.09	0.08	0.08	0.08	0.09	0.08	0.14	0.10	0.10	0.10
Spain.....	0.10	0.11	0.15	0.20	0.22	0.25	0.26	0.27	0.31	0.36
Sweden.....	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03
Switzerland.....	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.10
Turkey.....	0.02	0.03	0.04	0.12	0.13	0.15	0.16	0.19	0.20	0.26
United Kingdom.....	2.09	2.15	2.04	2.02	2.25	2.22	2.21	2.53	2.65	2.81
Former Yugoslavia.....	0.25	0.29	0.29	0.32	0.24	0.24	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	0.02	0.01	0.01	0.01
Croatia.....	--	--	--	--	--	--	0.09	0.09	0.08	0.07
Macedonia, TFYR.....	--	--	--	--	--	--	0.01	0.01	0.00	0.00
Serbia and Montenegro.....	--	--	--	--	--	--	0.07	0.03	0.05	0.05
Slovenia.....	--	--	--	--	--	--	0.02	0.03	0.03	0.03
Total.....	9.08	9.64	9.44	9.98	10.30	11.14	11.12	11.70	11.78	12.56

See footnotes at end of table.

Table E3 World Dry Natural Gas Consumption (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	0.01	0.02	0.03	0.03	0.01	0.01	(s)	(s)	(s)	(s)
Bulgaria.....	0.23	0.23	0.23	0.23	0.23	0.19	0.18	0.16	0.16	0.19
Former Czechoslovakia.....	0.45	0.46	0.44	0.47	0.48	0.44	0.36	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	0.23	0.21	0.24
Slovakia.....	—	—	—	—	—	—	—	0.15	0.18	0.21
Hungary.....	0.47	0.44	0.45	0.48	0.35	0.34	0.31	0.35	0.33	0.37
Poland.....	0.46	0.47	0.46	0.48	0.35	0.32	0.31	0.33	0.30	0.34
Romania.....	1.58	1.58	1.47	1.55	1.35	0.94	0.85	0.83	0.77	0.81
Former U.S.S.R.....	20.02	20.93	22.45	22.86	23.04	22.79	—	—	—	—
Armenia.....	—	—	—	—	—	—	0.06	0.05	0.05	0.05
Azerbaijan.....	—	—	—	—	—	—	0.48	0.35	0.30	0.21
Belarus.....	—	—	—	—	—	—	0.59	0.56	0.46	0.42
Estonia.....	—	—	—	—	—	—	0.05	0.02	0.02	0.03
Georgia.....	—	—	—	—	—	—	0.16	0.08	0.05	0.04
Kazakhstan.....	—	—	—	—	—	—	0.65	0.47	0.48	0.44
Kyrgyzstan.....	—	—	—	—	—	—	0.08	0.07	0.06	0.04
Latvia.....	—	—	—	—	—	—	0.05	0.03	0.02	0.03
Lithuania.....	—	—	—	—	—	—	0.13	0.08	0.07	0.09
Moldova.....	—	—	—	—	—	—	0.07	0.06	0.05	0.05
Russia.....	—	—	—	—	—	—	15.01	14.74	13.77	13.13
Tajikistan.....	—	—	—	—	—	—	0.06	0.05	0.05	0.05
Turkmenistan.....	—	—	—	—	—	—	0.13	0.13	0.14	0.15
Ukraine.....	—	—	—	—	—	—	3.19	3.53	3.03	2.71
Uzbekistan.....	—	—	—	—	—	—	1.00	1.40	1.12	1.23
Total.....	23.22	24.14	25.52	26.10	25.80	25.03	23.71	23.66	21.63	20.82
Middle East										
Bahrain.....	0.19	0.23	0.19	0.19	0.21	0.24	0.20	0.24	0.25	0.25
Iran.....	0.57	0.60	0.75	0.83	0.88	0.86	0.93	0.99	1.19	1.31
Iraq.....	0.03	0.04	0.09	0.09	0.08	0.04	0.11	0.09	0.12	0.12
Israel.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	0.00	0.00	0.00	(s)	(s)	(s)	0.01	0.01	0.01	0.01
Kuwait.....	0.20	0.30	0.37	0.43	0.27	0.02	0.10	0.20	0.22	0.22
Oman.....	0.07	0.08	0.08	0.10	0.10	0.13	0.12	0.15	0.15	0.17
Qatar.....	0.20	0.21	0.22	0.23	0.29	0.34	0.42	0.50	0.50	0.50
Saudi Arabia.....	0.93	0.99	1.08	1.10	1.13	1.18	1.26	1.33	1.39	1.49
Syria.....	0.01	0.02	0.02	0.04	0.11	0.13	0.13	0.14	0.14	0.18
United Arab Emirates.....	0.45	0.61	0.65	0.73	0.69	0.83	0.94	0.84	0.80	0.87
Total.....	2.65	3.07	3.44	3.76	3.78	3.78	4.21	4.48	4.78	5.12
Africa										
Algeria.....	0.64	0.70	0.76	0.70	0.72	0.82	0.78	0.70	0.73	0.77
Angola.....	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Congo.....	(s)	(s)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cote d'Ivoire (Ivory Coast).....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(s)
Egypt.....	0.21	0.23	0.26	0.29	0.30	0.34	0.37	0.42	0.44	0.46
Gabon.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Libya.....	0.18	0.17	0.16	0.17	0.18	0.18	0.18	0.18	0.18	0.18
Morocco.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Nigeria.....	0.12	0.14	0.14	0.17	0.14	0.18	0.18	0.19	0.17	0.16
Senegal.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)
South Africa.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	0.07	0.07	0.07
Tunisia.....	0.05	0.06	0.05	0.07	0.07	0.05	0.04	0.07	0.09	0.08
Total.....	1.21	1.31	1.39	1.42	1.43	1.60	1.57	1.63	1.71	1.76

See footnotes at end of table.

Table E3 World Dry Natural Gas Consumption (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0.00	0.02	0.07	0.07	0.07	0.01	0.01	0.01	0.01	0.01
Australia.....	0.54	0.56	0.58	0.59	0.65	0.61	0.64	0.67	0.69	0.78
Bangladesh.....	0.11	0.12	0.14	0.15	0.15	0.16	0.19	0.20	0.22	0.24
Brunei.....	0.04	0.07	0.06	0.07	0.06	0.02	0.04	0.03	0.03	0.04
Burma.....	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06
China.....	0.54	0.55	0.56	0.56	0.56	0.58	0.59	0.62	0.65	0.58
India.....	0.19	0.23	0.32	0.33	0.41	0.47	0.49	0.55	0.62	0.68
Indonesia.....	0.49	0.60	0.54	0.60	0.55	0.56	0.67	0.85	0.97	1.08
Japan.....	1.65	1.70	1.78	1.91	2.04	2.18	2.23	2.15	2.40	2.43
Korea, South.....	0.01	0.02	0.10	0.10	0.12	0.14	0.17	0.21	0.29	0.35
Malaysia.....	0.29	0.28	0.30	0.31	0.33	0.40	0.40	0.48	0.50	0.57
New Zealand.....	0.16	0.15	0.17	0.17	0.17	0.18	0.20	0.18	0.17	0.17
Pakistan.....	0.36	0.39	0.41	0.44	0.45	0.50	0.51	0.54	0.59	0.60
Papua New Guinea.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Singapore.....	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.05	0.05
Taiwan.....	0.04	0.05	0.03	0.05	0.08	0.11	0.11	0.12	0.15	0.16
Thailand.....	0.11	0.13	0.20	0.19	0.21	0.24	0.25	0.31	0.30	0.32
Vietnam.....	(s)	(s)	(s)	(s)	(s)	(s)	0.01	0.01	0.01	0.05
Total.....	4.55	4.91	5.31	5.59	5.90	6.19	6.61	7.03	7.70	8.14
World Total.....	62.37	65.63	68.88	71.90	72.02	73.26	73.60	75.78	75.73	77.65

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 4.

Table E4 World Coal Consumption (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	1.16	1.26	1.36	1.36	1.35	1.20	1.23	1.20	1.19	1.30
Mexico.....	0.15	0.17	0.16	0.17	0.14	0.13	0.17	0.18	0.21	0.24
United States..2.....	17.25	18.04	18.89	18.95	19.09	18.77	18.90	19.49	19.57	19.77
Total.....	18.57	19.47	20.41	20.48	20.59	20.10	20.29	20.88	20.97	21.32
Central & South America										
Argentina.....	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.02	0.03	0.03
Brazil.....	0.39	0.42	0.42	0.42	0.37	0.43	0.39	0.47	0.42	0.45
Chile.....	0.05	0.05	0.07	0.09	0.10	0.08	0.08	0.09	0.10	0.12
Colombia.....	0.13	0.13	0.14	0.14	0.14	0.12	0.20	0.15	0.13	0.18
Costa Rica.....	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)
Cuba.....	(s)	(s)	0.01	0.01	0.01	(s)	0.01	0.01	0.01	0.01
Dominican Republic.....	(s)	0.01	(s)	0.01	(s)	(s)	(s)	(s)	(s)	(s)
Haiti.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jamaica.....	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)	(s)
Panama.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Peru.....	0.01	0.01	0.01	0.01	(s)	0.01	0.01	0.01	0.01	0.01
Puerto Rico.....	0.01	0.01	0.01	0.01	0.01	0.01	(s)	0.01	0.01	0.01
Uruguay.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Venezuela.....	(s)	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Virgin Islands, U.S.....	0.00	0.00	0.00	0.00	(s)	(s)	0.01	0.01	0.01	0.01
Other.....	0.00	0.00	0.00	0.00	(s)	(s)	(s)	0.00	0.00	0.00
Total.....	0.63	0.67	0.70	0.74	0.69	0.71	0.75	0.79	0.74	0.84
Western Europe										
Austria.....	0.17	0.18	0.16	0.16	0.16	0.16	0.15	0.15	0.13	0.12
Belgium.....	0.40	0.38	0.33	0.38	0.43	0.42	0.35	0.33	0.39	0.39
Denmark.....	0.30	0.30	0.29	0.23	0.26	0.34	0.31	0.20	0.24	0.32
Finland.....	0.14	0.17	0.16	0.16	0.18	0.13	0.08	0.16	0.20	0.15
France.....	0.85	0.77	0.57	0.76	0.87	0.83	0.71	0.60	0.52	0.51
Germany.....	—	—	—	—	—	4.24	4.12	3.70	3.33	3.16
Germany, East.....	2.84	2.83	2.80	2.71	2.52	—	—	—	—	—
Germany, West.....	2.97	2.86	2.84	2.80	2.83	—	—	—	—	—
Greece.....	0.27	0.30	0.33	0.34	0.35	0.36	0.32	0.33	0.34	0.37
Iceland.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Ireland.....	0.06	0.09	0.09	0.09	0.08	0.08	0.09	0.08	0.08	0.11
Italy.....	0.57	0.60	0.56	0.56	0.54	0.56	0.45	0.40	0.44	0.52
Luxembourg.....	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02
Malta.....	(s)	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Netherlands.....	0.24	0.27	0.30	0.30	0.40	0.32	0.29	0.31	0.37	0.44
Norway.....	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.04
Portugal.....	0.05	0.07	0.09	0.11	0.14	0.12	0.11	0.12	0.13	0.15
Spain.....	1.00	0.95	0.93	1.01	0.80	0.84	0.86	0.80	0.74	0.81
Sweden.....	0.11	0.11	0.11	0.11	0.09	0.09	0.08	0.10	0.11	0.10
Switzerland.....	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Turkey.....	0.53	0.51	0.45	0.56	0.56	0.72	0.64	0.65	0.68	0.69
United Kingdom.....	2.78	2.94	2.78	2.88	2.68	2.71	2.37	2.20	2.19	2.15
Former Yugoslavia.....	0.99	0.96	0.98	0.97	0.94	0.88	—	—	—	—
Bosnia and Herzegovina.....	—	—	—	—	—	—	0.06	0.04	0.03	0.02
Croatia.....	—	—	—	—	—	—	0.02	0.01	0.01	0.01
Macedonia, TFYR.....	—	—	—	—	—	—	0.07	0.06	0.04	0.04
Serbia and Montenegro.....	—	—	—	—	—	—	0.39	0.34	0.34	0.37
Slovenia.....	—	—	—	—	—	—	0.03	0.03	0.02	0.01
Total.....	14.40	14.39	13.87	14.25	13.94	12.91	11.59	10.72	10.41	10.54

See footnotes at end of table.

Table E4 World Coal Consumption (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	0.03	0.03	0.03	0.03	0.03	0.02	(s)	(s)	0.01	0.01
Bulgaria.....	0.51	0.53	0.48	0.48	0.42	0.37	0.38	0.40	0.38	0.35
Former Czechoslovakia.....	2.92	2.88	2.84	2.71	2.49	2.29	1.98	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	1.42	1.49	1.44
Slovakia.....	--	--	--	--	--	--	--	0.24	0.22	0.21
Hungary.....	0.34	0.33	0.31	0.29	0.26	0.27	0.24	0.21	0.21	0.21
Poland.....	3.87	4.00	3.89	3.70	2.96	2.96	2.91	3.01	2.83	2.73
Romania.....	0.63	0.67	0.72	0.74	0.50	0.40	0.42	0.44	0.47	0.47
Former U.S.S.R.....	12.43	12.46	12.66	11.99	13.24	10.17	--	--	--	--
Armenia.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Azerbaijan.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Belarus.....	--	--	--	--	--	--	0.05	0.04	0.03	0.03
Estonia.....	--	--	--	--	--	--	0.19	0.12	0.12	0.12
Georgia.....	--	--	--	--	--	--	0.01	0.01	0.01	0.01
Kazakhstan.....	--	--	--	--	--	--	1.64	1.33	0.78	0.47
Kyrgyzstan.....	--	--	--	--	--	--	0.08	0.07	0.05	0.04
Latvia.....	--	--	--	--	--	--	0.02	0.01	0.01	(s)
Lithuania.....	--	--	--	--	--	--	0.02	0.02	0.02	0.02
Moldova.....	--	--	--	--	--	--	0.07	0.05	0.06	0.06
Russia.....	--	--	--	--	--	--	6.56	5.64	5.08	4.78
Tajikistan.....	--	--	--	--	--	--	0.01	(s)	(s)	(s)
Turkmenistan.....	--	--	--	--	--	--	0.01	0.01	0.01	0.01
Ukraine.....	--	--	--	--	--	--	2.76	2.60	2.19	1.84
Uzbekistan.....	--	--	--	--	--	--	0.16	0.17	0.17	0.14
Total.....	20.74	20.90	20.95	19.95	19.89	16.47	17.52	15.79	14.13	12.92
Middle East										
Cyprus.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Iran.....	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.05
Israel.....	0.09	0.09	0.09	0.10	0.10	0.11	0.11	0.18	0.19	0.23
Other.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	0.13	0.13	0.13	0.14	0.15	0.17	0.16	0.24	0.26	0.29
Africa										
Algeria.....	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.03
Botswana.....	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Cameroon.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Egypt.....	0.03	0.04	0.03	0.04	0.04	0.03	0.03	0.04	0.03	0.03
Ghana.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Kenya.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Libya.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Madagascar.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Malawi.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Mauritania.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Mauritius.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Morocco.....	0.05	0.05	0.05	0.05	0.05	0.06	0.04	0.07	0.07	0.07
Mozambique.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Niger.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.01
Nigeria.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
South Africa.....	3.74	3.83	3.91	3.63	3.59	3.71	3.94	4.18	4.56	4.74
Swaziland.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Tanzania.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Tunisia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Zaire.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zambia.....	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zimbabwe.....	0.11	0.13	0.14	0.14	0.13	0.14	0.15	0.14	0.15	0.16
Other.....	0.00	0.00	0.00	0.00	0.00	(s)	(s)	0.00	0.00	0.00
Total.....	4.01	4.13	4.22	3.94	3.91	4.03	4.26	4.52	4.91	5.09

See footnotes at end of table.

Table E4 World Coal Consumption (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Australia.....	1.19	1.29	1.36	1.44	1.75	1.59	1.62	1.42	1.31	1.82
Bangladesh.....	(s)	0.01	0.01	(s)	0.02	0.01	(s)	(s)	(s)	(s)
Bhutan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Burma.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
China.....	17.44	18.64	19.93	20.11	20.26	21.05	21.75	23.40	25.08	26.30
Fiji.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Hong Kong.....	0.15	0.20	0.24	0.26	0.23	0.21	0.23	0.26	0.19	0.20
India.....	3.55	3.51	3.62	3.82	4.08	4.23	4.55	5.11	5.37	5.70
Indonesia.....	0.09	0.10	0.11	0.14	0.14	0.15	0.15	0.16	0.19	0.18
Japan.....	2.36	2.40	2.65	2.65	2.67	2.84	2.67	3.26	3.47	3.65
Korea, North.....	1.42	1.46	1.52	1.58	1.62	1.64	1.62	1.68	1.68	1.69
Korea, South.....	0.89	0.89	0.96	0.94	0.89	0.91	0.87	1.13	1.11	1.14
Laos.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Macau.....	0.00	0.00	0.00	0.00	(s)	0.00	0.00	0.00	0.00	0.00
Malaysia.....	0.01	0.01	0.01	0.05	0.05	0.06	0.06	0.06	0.08	0.10
Mongolia.....	0.08	0.09	0.10	0.09	0.09	0.09	0.07	0.07	0.08	0.08
Nepal.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
New Caledonia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.01	0.01	0.01
New Zealand.....	0.06	0.06	0.05	0.06	0.06	0.05	0.05	0.06	0.04	0.04
Pakistan.....	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.09
Papua New Guinea.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Philippines.....	0.05	0.05	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.08
Singapore.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Sri Lanka.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Taiwan.....	0.33	0.35	0.40	0.43	0.40	0.45	0.51	0.64	0.66	0.68
Thailand.....	0.06	0.08	0.09	0.11	0.15	0.17	0.18	0.19	0.21	0.21
Vietnam.....	0.15	0.17	0.16	0.12	0.12	0.09	0.11	0.13	0.14	0.14
Total.....	27.91	29.38	31.35	31.92	32.69	33.69	34.60	37.75	39.80	42.12
World Total.....	86.39	89.07	91.63	91.42	91.85	88.07	89.17	90.69	91.22	93.12

¹ Preliminary.

² United States apparent coal consumption is calculated as: production+imports-exports-stock builds. A different methodology for deriving coal consumption is used in the Monthly Energy Review.

--- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Coal includes anthracite, subanthracite, bituminous, subbituminous, lignite, and brown coal.

Sources: See sources at the end of Section 5.

Table E5 World Net Hydroelectric Power Consumption (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	3.20	3.26	3.16	2.99	3.06	3.17	3.26	3.33	3.38	3.43
Mexico.....	0.21	0.19	0.22	0.25	0.24	0.23	0.27	0.27	0.21	0.28
United States ²	3.45	3.12	2.66	2.88	3.10	3.18	2.85	3.14	2.96	3.46
Total.....	6.85	6.56	6.04	6.13	6.40	6.58	6.38	6.74	6.54	7.17
Central & South America										
Argentina.....	0.22	0.23	0.16	0.14	0.19	0.17	0.20	0.25	0.28	0.31
Bolivia.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Brazil.....	1.88	1.91	2.05	2.11	2.13	2.24	2.30	2.45	2.50	2.55
Chile.....	0.12	0.13	0.12	0.10	0.12	0.14	0.17	0.18	0.17	0.17
Colombia.....	0.26	0.22	0.25	0.27	0.28	0.28	0.23	0.29	0.33	0.38
Costa Rica.....	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.03
Dominican Republic.....	0.01	0.01	0.01	0.01	(s)	0.01	0.02	0.02	0.02	0.02
Ecuador.....	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.07
El Salvador.....	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.02
Guatemala.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Haiti.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Honduras.....	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
Jamaica.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Nicaragua.....	(s)	(s)	(s)	0.01	(s)	(s)	(s)	(s)	(s)	(s)
Panama.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Paraguay.....	0.12	0.19	0.21	0.25	0.28	0.30	0.28	0.32	0.37	0.42
Peru.....	0.10	0.11	0.11	0.11	0.11	0.12	0.10	0.12	0.12	0.12
Puerto Rico.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Suriname.....	0.01	(s)	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Uruguay.....	0.08	0.07	0.06	0.04	0.07	0.06	0.08	0.08	0.08	0.08
Venezuela.....	0.26	0.32	0.35	0.36	0.38	0.46	0.48	0.49	0.53	0.57
Other.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	3.21	3.36	3.50	3.58	3.78	3.98	4.08	4.42	4.64	4.86
Western Europe										
Austria.....	0.32	0.26	0.37	0.36	0.32	0.32	0.36	0.38	0.37	0.38
Belgium.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Finland.....	0.13	0.14	0.14	0.13	0.11	0.14	0.16	0.14	0.12	0.13
France.....	0.63	0.71	0.77	0.48	0.55	0.59	0.70	0.66	0.80	0.74
Germany.....	—	—	—	—	—	0.15	0.18	0.18	0.19	0.21
Germany, East.....	0.02	0.02	0.02	0.02	0.01	—	—	—	—	—
Germany, West.....	0.19	0.21	0.22	0.20	0.19	—	—	—	—	—
Greece.....	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.03
Iceland.....	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Ireland.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Italy.....	0.42	0.41	0.42	0.35	0.33	0.43	0.43	0.43	0.46	0.39
Luxembourg.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Norway.....	0.99	1.06	1.12	1.22	1.25	1.13	1.20	1.23	1.16	1.26
Portugal.....	0.09	0.09	0.13	0.06	0.09	0.09	0.05	0.09	0.11	0.09
Spain.....	0.27	0.28	0.36	0.20	0.26	0.28	0.19	0.25	0.29	0.23
Sweden.....	0.63	0.74	0.72	0.74	0.75	0.65	0.77	0.77	0.60	0.70
Switzerland.....	0.34	0.36	0.37	0.31	0.31	0.33	0.34	0.37	0.40	0.36
Turkey.....	0.12	0.19	0.30	0.18	0.24	0.23	0.27	0.35	0.31	0.37
United Kingdom.....	0.05	0.04	0.05	0.05	0.05	0.05	0.06	0.04	0.05	0.04
Former Yugoslavia.....	0.29	0.27	0.27	0.24	0.20	0.20	—	—	—	—
Bosnia and Herzegovina.....	—	—	—	—	—	—	0.03	0.02	0.01	0.01
Croatia.....	—	—	—	—	—	—	0.04	0.04	0.05	0.05
Macedonia, TFYR.....	—	—	—	—	—	—	0.01	0.01	0.01	0.01
Serbia and Montenegro.....	—	—	—	—	—	—	0.12	0.10	0.11	0.11
Slovenia.....	—	—	—	—	—	—	0.04	0.03	0.03	0.03
Other.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	4.57	4.88	5.31	4.61	4.74	4.68	5.02	5.17	5.18	5.20

See footnotes at end of table.

Table E5 World Net Hydroelectric Power Consumption (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	0.03	0.04	0.04	0.04	0.03	0.04	0.03	0.03	0.04	0.04
Bulgaria.....	0.02	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02
Former Czechoslovakia.....	0.04	0.05	0.05	0.04	0.04	0.03	0.04	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	0.02	0.02	0.02
Slovakia.....	--	--	--	--	--	--	--	0.04	0.05	0.05
Hungary.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Poland.....	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04
Romania.....	0.11	0.12	0.14	0.13	0.11	0.15	0.12	0.13	0.13	0.14
Former U.S.S.R.....	2.22	2.26	2.38	2.30	2.40	2.42	--	--	--	--
Armenia.....	--	--	--	--	--	--	0.03	0.04	0.04	0.04
Azerbaijan.....	--	--	--	--	--	--	0.02	0.02	0.02	0.02
Georgia.....	--	--	--	--	--	--	0.07	0.07	0.05	0.05
Kazakhstan.....	--	--	--	--	--	--	0.07	0.08	0.09	0.09
Kyrgyzstan.....	--	--	--	--	--	--	0.10	0.09	0.12	0.12
Latvia.....	--	--	--	--	--	--	0.03	0.03	0.03	0.03
Lithuania.....	--	--	--	--	--	--	(s)	(s)	0.01	0.01
Moldova.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Russia.....	--	--	--	--	--	--	1.78	1.80	1.82	1.86
Tajikistan.....	--	--	--	--	--	--	0.16	0.18	0.17	0.15
Turkmenistan.....	--	--	--	--	--	--	0.08	0.12	0.12	0.12
Ukraine.....	--	--	--	--	--	--	0.06	0.08	0.07	0.08
Uzbekistan.....	--	--	--	--	--	--	0.06	0.08	0.07	0.08
Other.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Total.....	2.47	2.54	2.67	2.58	2.64	2.70	2.65	2.80	2.84	2.89
Middle East										
Iran.....	0.06	0.07	0.07	0.07	0.06	0.07	0.10	0.10	0.08	0.07
Iraq.....	0.01	0.01	0.01	0.01	0.01	(s)	0.01	0.01	0.01	0.01
Israel.....	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Lebanon.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Syria.....	0.02	0.02	0.05	0.05	0.06	0.06	0.08	0.07	0.07	0.07
Total.....	0.09	0.10	0.13	0.13	0.13	0.15	0.19	0.18	0.16	0.16
Africa										
Algeria.....	(s)	0.01	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Angola.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cameroon.....	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Congo.....	(s)	(s)	(s)	(s)	0.01	(s)	(s)	(s)	(s)	(s)
Cote d'Ivoire (Ivory Coast).....	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Egypt.....	0.08	0.08	0.08	0.08	0.10	0.09	0.09	0.09	0.09	0.09
Ethiopia.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Gabon.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ghana.....	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
Kenya.....	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Madagascar.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Malawi.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mali.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Morocco.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	(s)	0.01	0.01
Nigeria.....	0.04	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.06	0.06
Reunion.....	0.01	0.01	(s)	0.01	0.01	(s)	0.01	0.01	0.01	0.01
South Africa.....	0.02	0.02	0.03	0.03	0.01	0.02	0.01	(s)	0.01	0.01
Sudan.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Tanzania.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Uganda.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zaire.....	0.05	0.05	0.05	0.06	0.05	0.05	0.06	0.06	0.06	0.05
Zambia.....	0.10	0.09	0.09	0.07	0.08	0.08	0.08	0.08	0.08	0.08
Zimbabwe.....	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.03
Other.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total.....	0.51	0.50	0.53	0.54	0.56	0.57	0.56	0.54	0.56	0.56

See footnotes at end of table.

Table E5 World Net Hydroelectric Power Consumption (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0.01	0.01	0.01	0.01	0.01	0.01	(s)	(s)	(s)	(s)
Australia.....	0.15	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.16
Bangladesh.....	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bhutan.....	(s)	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Burma.....	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Cambodia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
China.....	0.97	1.03	1.12	1.22	1.30	1.29	1.35	1.55	1.68	1.82
Fiji.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
French Polynesia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
India.....	0.55	0.49	0.60	0.64	0.74	0.75	0.72	0.73	0.73	0.74
Indonesia.....	0.07	0.08	0.09	0.09	0.11	0.10	0.13	0.12	0.13	0.13
Japan.....	0.83	0.77	0.94	0.94	0.92	1.00	0.85	0.98	0.69	0.83
Korea, North.....	0.30	0.30	0.32	0.33	0.33	0.33	0.25	0.25	0.24	0.24
Korea, South.....	0.04	0.05	0.04	0.05	0.07	0.05	0.05	0.06	0.04	0.06
Laos.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Malaysia.....	0.04	0.05	0.06	0.05	0.04	0.05	0.04	0.05	0.06	0.06
Nepal.....	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
New Caledonia.....	(s)	(s)	0.01	0.01	(s)	(s)	(s)	(s)	(s)	(s)
New Zealand.....	0.23	0.23	0.24	0.23	0.24	0.24	0.21	0.24	0.26	0.28
Pakistan.....	0.14	0.16	0.17	0.17	0.17	0.19	0.19	0.22	0.20	0.19
Papua New Guinea.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Philippines.....	0.06	0.05	0.06	0.07	0.06	0.06	0.06	0.06	0.07	0.07
Sri Lanka.....	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Taiwan.....	0.08	0.07	0.06	0.07	0.09	0.06	0.09	0.07	0.09	0.09
Thailand.....	0.06	0.04	0.04	0.06	0.05	0.05	0.04	0.04	0.05	0.06
U.S. Pacific Islands.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Vietnam.....	0.02	0.02	0.02	0.04	0.06	0.06	0.06	0.09	0.10	0.10
Western Samoa.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	3.63	3.57	3.99	4.20	4.42	4.49	4.32	4.75	4.63	4.95
World Total.....	21.34	21.51	22.17	21.77	22.67	23.16	23.20	24.60	24.54	25.79

¹ Preliminary.

² There is a discontinuity in this time series between 1988 and 1989; beginning in 1989, pumped storage is removed, and expanded coverage of industrial use of hydroelectric power and of electricity generated from non-electric utilities is included.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Data are reported as net consumption as opposed to gross. Net consumption excludes the energy consumed by the generating units.

Consumption accounts for thermal equivalent conversion losses.

Sources: See sources at the end of Section 6.

Table E6 World Net Nuclear Electric Power Consumption (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	0.78	0.84	0.90	0.87	0.79	0.92	0.87	1.01	1.16	1.05
Mexico.....	0.00	0.00	0.00	0.00	0.02	0.04	0.04	0.05	0.04	0.08
United States.....	4.47	4.91	5.66	5.68	6.16	6.58	6.61	6.52	6.84	7.19
Total.....	5.25	5.75	6.56	6.55	6.97	7.54	7.52	7.58	8.04	8.32
Central & South America										
Argentina.....	0.06	0.07	0.06	0.06	0.08	0.09	0.08	0.09	0.09	0.08
Brazil.....	(s)	0.01	(s)	0.02	0.02	0.01	0.02	(s)	(s)	0.02
Total.....	0.06	0.08	0.06	0.07	0.10	0.10	0.10	0.09	0.09	0.11
Western Europe										
Belgium.....	0.39	0.41	0.42	0.41	0.42	0.42	0.43	0.41	0.40	0.41
Finland.....	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
France.....	2.43	2.53	2.64	2.93	3.10	3.28	3.34	3.64	3.54	3.71
Germany.....	—	—	—	—	—	1.42	1.54	1.49	1.47	1.49
Germany, East.....	0.12	0.12	0.12	0.12	0.06	—	—	—	—	—
Germany, West.....	1.25	1.37	1.52	1.47	1.46	—	—	—	—	—
Italy.....	0.10	(s)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Netherlands.....	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04
Spain.....	0.40	0.44	0.52	0.58	0.53	0.54	0.54	0.54	0.53	0.53
Sweden.....	0.67	0.64	0.66	0.63	0.65	0.74	0.61	0.59	0.70	0.67
Switzerland.....	0.21	0.22	0.23	0.23	0.24	0.23	0.23	0.23	0.24	0.25
United Kingdom.....	0.62	0.57	0.66	0.76	0.70	0.78	0.86	0.96	0.95	0.95
Former Yugoslavia.....	0.05	0.05	0.04	0.05	0.05	0.04	—	—	—	—
Slovenia.....	—	—	—	—	—	—	0.04	0.04	0.04	0.04
Total.....	6.47	6.59	7.05	7.40	7.43	7.68	7.82	8.13	8.11	8.29
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	0.13	0.13	0.17	0.16	0.15	0.14	0.12	0.15	0.16	0.18
Former Czechoslovakia.....	0.22	0.26	0.27	0.28	0.29	0.28	0.29	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	0.15	0.15	0.15
Slovakia.....	—	—	—	—	—	—	—	0.14	0.14	0.13
Hungary.....	0.08	0.12	0.14	0.15	0.15	0.13	0.13	0.13	0.13	0.13
Former U.S.S.R.....	1.74	2.03	2.33	2.43	2.31	2.31	—	—	—	—
Kazakhstan.....	—	—	—	—	—	—	0.01	(s)	(s)	(s)
Lithuania.....	—	—	—	—	—	—	0.15	0.13	0.08	0.11
Russia.....	—	—	—	—	—	—	1.25	1.25	1.02	1.04
Ukraine.....	—	—	—	—	—	—	0.76	0.78	0.71	0.73
Total.....	2.17	2.53	2.91	3.03	2.89	2.86	2.71	2.73	2.41	2.48
Africa										
South Africa.....	0.09	0.06	0.11	0.11	0.09	0.09	0.09	0.07	0.10	0.11
Total.....	0.09	0.06	0.11	0.11	0.09	0.09	0.09	0.07	0.10	0.11
Far East & Oceania										
China.....	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.14	0.13
India.....	0.06	0.06	0.06	0.04	0.07	0.06	0.07	0.07	0.06	0.09
Japan.....	1.69	2.01	1.85	1.86	1.87	2.08	2.17	2.42	2.61	2.82
Korea, South.....	0.28	0.39	0.39	0.47	0.51	0.54	0.54	0.56	0.56	0.64
Pakistan.....	(s)	0.01	(s)	(s)	(s)	(s)	0.01	(s)	0.01	0.01
Taiwan.....	0.26	0.33	0.30	0.28	0.32	0.33	0.30	0.31	0.31	0.34
Total.....	2.29	2.78	2.61	2.65	2.77	3.01	3.10	3.39	3.69	4.01
World Total.....	16.34	17.80	19.30	19.82	20.26	21.29	21.34	21.99	22.43	23.32

¹ Preliminary.

— Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Data are reported as net consumption as opposed to gross. Net consumption excludes the energy consumed by the generating units.

Consumption accounts for thermal equivalent conversion losses.

No consumption is reported for Middle East.

Sources: See sources at the end of Section 6.

Table E7 World Net Geothermal, Solar, and Wind Electric Power Consumption (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Mexico.....	0.07	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.11	0.11
United States..2.....	0.23	0.24	0.23	0.71	0.80	0.86	0.93	0.96	0.97	0.95
Total.....	0.30	0.34	0.33	0.80	0.90	0.97	1.05	1.08	1.08	1.06
Central & South America										
Brazil.....	0.15	0.13	0.12	0.12	0.11	0.12	0.13	0.13	0.14	0.15
Costa Rica.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
El Salvador.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nicaragua.....	0.01	(s)	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total.....	0.16	0.15	0.13	0.14	0.13	0.14	0.15	0.15	0.17	0.18
Western Europe										
Belgium.....	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Denmark.....	(s)	(s)	(s)	(s)	0.01	0.01	0.01	0.01	0.01	0.01
France.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Germany.....	--	--	--	--	--	(s)	(s)	(s)	0.01	0.01
Germany, West.....	0.00	0.00	(s)	(s)	(s)	--	--	--	--	--
Greece.....	0.00	(s)	(s)	0.00	(s)	0.00	(s)	(s)	(s)	(s)
Iceland.....	(s)	(s)	0.01	0.01	0.01	0.01	(s)	0.01	0.01	0.01
Ireland.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Italy.....	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.07	0.07
Netherlands.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Norway.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Portugal.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Spain.....	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)	(s)
Sweden.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Switzerland.....	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)
Turkey.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
United Kingdom.....	(s)	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	0.07	0.07	0.08	0.08	0.08	0.08	0.10	0.11	0.12	0.12
Eastern Europe & Former U.S.S.R.										
Romania.....	(s)	(s)	(s)	(s)	(s)	0.00	0.00	0.00	0.00	0.00
Former U.S.S.R.....	0.00	0.00	0.00	(s)	(s)	(s)	--	--	--	--
Russia.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Total.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Middle East										
Jordan.....	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Africa										
Ethiopia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Kenya.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Far East & Oceania										
Australia.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)
India.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Indonesia.....	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Japan.....	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.06
New Zealand.....	0.02	0.02	0.03	0.04	0.04	0.04	0.05	0.04	0.04	0.04
Philippines.....	0.09	0.09	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12
Vietnam.....	(s)	(s)	(s)	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Total.....	0.16	0.16	0.18	0.19	0.21	0.22	0.22	0.23	0.23	0.26
World Total.....	0.71	0.73	0.73	1.22	1.33	1.42	1.51	1.57	1.60	1.62

¹ Preliminary.

² There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Data are reported as net consumption as opposed to gross. Net consumption excludes the energy consumed by the generating units.

Consumption accounts for thermal equivalent conversion losses.

Sources: See sources at the end of Section 6.

Appendix F

**World Energy
Production (Btu),
1986-1995**

Table F1 World Primary Energy Production (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	11.91	12.54	13.41	13.36	13.36	13.90	14.43	15.34	16.26	16.81
Mexico.....	7.15	7.36	7.43	7.49	7.63	8.12	8.16	8.14	8.16	8.15
United States.....	64.35	64.95	66.11	66.70	68.58	68.29	67.75	66.15	68.41	69.10
Total.....	83.42	84.85	86.94	87.54	89.57	90.31	90.34	89.63	92.83	94.06
Central & South America										
Argentina.....	1.79	1.78	1.85	1.92	1.96	2.03	2.31	2.51	2.71	2.98
Bolivia.....	0.14	0.14	0.16	0.17	0.17	0.17	0.18	0.17	0.18	0.20
Brazil.....	3.53	3.55	3.65	3.82	3.85	4.01	4.08	4.27	4.40	4.55
Chile.....	0.27	0.27	0.27	0.27	0.31	0.30	0.33	0.34	0.34	0.33
Colombia.....	1.38	1.58	1.62	1.79	1.93	1.96	1.94	2.05	2.12	2.52
Ecuador.....	0.69	0.43	0.72	0.67	0.68	0.71	0.76	0.83	0.88	0.95
Paraguay.....	0.12	0.19	0.21	0.25	0.28	0.30	0.28	0.32	0.37	0.42
Peru.....	0.54	0.51	0.46	0.43	0.40	0.38	0.37	0.42	0.43	0.43
Trinidad and Tobago.....	0.53	0.50	0.51	0.51	0.51	0.55	0.51	0.53	0.55	0.57
Venezuela.....	5.18	5.14	5.55	5.73	6.31	6.97	6.96	7.29	7.74	8.22
Other.....	0.28	0.27	0.26	0.26	0.30	0.29	0.33	0.34	0.37	0.39
Total.....	14.45	14.38	15.26	15.82	16.70	17.67	18.05	19.07	20.10	21.56
Western Europe										
Austria.....	0.49	0.43	0.52	0.51	0.49	0.49	0.51	0.53	0.50	0.52
Belgium.....	0.58	0.56	0.49	0.46	0.47	0.46	0.45	0.43	0.42	0.43
Denmark.....	0.24	0.31	0.31	0.37	0.38	0.46	0.51	0.55	0.58	0.60
Finland.....	0.31	0.33	0.33	0.32	0.30	0.32	0.34	0.33	0.31	0.32
France.....	3.84	4.01	4.07	4.05	4.24	4.45	4.61	4.82	4.85	4.92
Germany.....	—	—	—	—	—	6.29	6.11	5.78	5.49	5.42
Germany, East.....	2.88	2.85	2.88	2.79	2.48	—	—	—	—	—
Germany, West.....	5.14	5.18	5.23	5.10	5.03	—	—	—	—	—
Greece.....	0.32	0.36	0.37	0.38	0.37	0.39	0.33	0.35	0.36	0.37
Italy.....	1.29	1.23	1.31	1.23	1.23	1.31	1.35	1.38	1.46	1.39
Netherlands.....	2.74	2.73	2.42	2.60	2.62	2.94	2.92	2.96	2.89	2.89
Norway.....	3.94	4.40	4.77	5.71	5.94	6.22	7.08	7.28	7.66	8.35
Spain.....	1.54	1.51	1.66	1.58	1.43	1.43	1.34	1.33	1.33	1.25
Sweden.....	1.29	1.38	1.37	1.37	1.40	1.39	1.38	1.36	1.31	1.37
Switzerland.....	0.55	0.58	0.60	0.54	0.55	0.56	0.57	0.60	0.65	0.61
Turkey.....	0.69	0.77	0.80	0.81	0.85	0.87	0.95	0.99	1.00	1.04
United Kingdom.....	10.64	10.32	9.99	9.02	9.11	9.29	9.05	9.33	10.09	10.57
Former Yugoslavia.....	1.47	1.44	1.47	1.45	1.38	1.28	—	—	—	—
Bosnia and Herzegovina.....	—	—	—	—	—	—	0.09	0.06	0.04	0.04
Croatia.....	—	—	—	—	—	—	0.19	0.20	0.21	0.20
Serbia and Montenegro.....	—	—	—	—	—	—	0.57	0.52	0.52	0.54
Other.....	0.21	0.21	0.26	0.20	0.24	0.24	0.37	0.40	0.41	0.38
Total.....	38.17	38.60	38.84	38.48	38.51	38.40	38.72	39.21	40.07	41.22
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	0.52	0.54	0.55	0.54	0.48	0.44	0.42	0.46	0.46	0.48
Former Czechoslovakia.....	3.22	3.25	3.21	3.09	2.78	2.59	2.45	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	1.79	1.90	1.83
Slovakia.....	—	—	—	—	—	—	—	0.26	0.26	0.25
Hungary.....	0.75	0.74	0.76	0.73	0.62	0.58	0.58	0.58	0.57	0.56
Poland.....	4.98	5.04	5.04	4.67	3.89	3.75	3.69	3.71	3.75	3.74
Romania.....	2.56	2.56	2.55	2.36	1.88	1.54	1.42	1.44	1.43	1.40
Former U.S.S.R.....	65.41	67.33	69.73	69.25	69.15	63.54	—	—	—	—
Azerbaijan.....	—	—	—	—	—	—	0.74	0.68	0.63	0.62
Kazakhstan.....	—	—	—	—	—	—	3.73	3.36	2.54	2.26
Lithuania.....	—	—	—	—	—	—	0.15	0.14	0.09	0.13
Russia.....	—	—	—	—	—	—	46.77	43.41	40.74	39.91
Tajikistan.....	—	—	—	—	—	—	0.17	0.18	0.17	0.15
Turkmenistan.....	—	—	—	—	—	—	2.07	2.27	1.32	1.21
Ukraine.....	—	—	—	—	—	—	4.27	4.13	3.59	3.34
Uzbekistan.....	—	—	—	—	—	—	1.62	1.73	1.86	1.98
Other.....	0.20	0.21	0.19	0.20	0.13	0.10	0.62	0.57	0.56	0.54
Total.....	77.63	79.67	82.03	80.84	78.93	72.53	68.72	64.70	59.89	58.39

See footnotes at end of table.

Table F1 World Primary Energy Production (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Bahrain.....	0.30	0.33	0.30	0.30	0.31	0.33	0.29	0.35	0.36	0.36
Iran.....	5.06	5.67	5.71	7.01	7.68	8.28	8.54	8.85	9.17	9.35
Iraq.....	3.66	4.58	5.97	6.47	4.54	0.69	1.02	1.21	1.33	1.35
Israel.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Kuwait.....	3.36	3.77	3.63	4.32	2.83	0.43	2.44	4.28	4.73	4.81
Oman.....	1.28	1.34	1.42	1.49	1.59	1.64	1.72	1.82	1.90	2.02
Qatar.....	0.88	0.86	0.99	1.06	1.20	1.25	1.39	1.45	1.44	1.60
Saudi Arabia.....	12.04	10.84	12.86	12.81	15.92	19.75	20.39	20.11	20.00	20.34
Syria.....	0.46	0.56	0.67	0.85	1.04	1.30	1.30	1.46	1.48	1.63
United Arab Emirates.....	3.68	4.21	4.22	4.99	5.51	6.24	6.11	5.78	5.84	6.19
Yemen.....	0.02	0.04	0.36	0.41	0.40	0.41	0.38	0.46	0.70	0.72
Other.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Total.....	30.75	32.21	36.13	39.73	41.04	40.34	43.60	45.79	46.97	48.40
Africa										
Algeria.....	3.55	4.01	4.07	4.28	4.52	4.81	4.82	4.65	4.57	4.89
Angola.....	0.63	0.80	1.00	1.00	1.04	1.10	1.16	1.12	1.17	1.41
Cameroon.....	0.41	0.40	0.38	0.40	0.38	0.36	0.33	0.30	0.26	0.24
Congo.....	0.25	0.26	0.31	0.35	0.35	0.33	0.37	0.39	0.38	0.40
Egypt.....	2.09	2.30	2.24	2.32	2.36	2.40	2.44	2.53	2.57	2.64
Gabon.....	0.36	0.34	0.35	0.46	0.59	0.64	0.65	0.68	0.72	0.75
Libya.....	2.43	2.29	2.73	2.70	3.18	3.43	3.34	3.17	3.21	3.23
Nigeria.....	3.31	3.05	3.30	3.90	4.07	4.30	4.42	4.45	4.37	4.50
South Africa.....	5.14	5.11	5.31	5.17	5.09	5.19	5.07	5.40	5.77	6.08
Tunisia.....	0.25	0.24	0.24	0.24	0.22	0.23	0.25	0.23	0.21	0.20
Zaire.....	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.11	0.12
Zambia.....	0.12	0.10	0.10	0.08	0.09	0.09	0.09	0.09	0.09	0.09
Zimbabwe.....	0.14	0.16	0.16	0.17	0.17	0.18	0.18	0.16	0.17	0.19
Other.....	0.26	0.26	0.25	0.24	0.25	0.25	0.26	0.26	0.28	0.30
Total.....	19.08	19.45	20.58	21.42	22.43	23.43	23.51	23.55	23.91	25.04
Far East & Oceania										
Australia.....	5.15	5.60	5.33	5.58	6.14	6.28	6.57	6.60	6.74	7.29
Bangladesh.....	0.12	0.13	0.15	0.17	0.16	0.17	0.20	0.21	0.23	0.26
Brunei.....	0.74	0.69	0.68	0.67	0.72	0.68	0.70	0.71	0.72	0.74
Burma.....	0.10	0.09	0.08	0.09	0.08	0.09	0.08	0.09	0.10	0.12
China.....	25.02	25.92	27.14	28.75	29.37	29.66	30.35	32.32	34.13	35.49
India.....	5.65	5.60	5.92	6.21	6.53	6.81	6.97	7.46	7.73	8.33
Indonesia.....	4.41	4.46	4.56	4.96	5.12	5.67	5.78	6.14	6.43	6.65
Japan.....	2.98	3.22	3.21	3.20	3.17	3.44	3.36	3.73	3.63	3.98
Korea, North.....	1.66	1.69	1.78	1.84	1.88	1.91	1.80	1.87	1.87	1.87
Korea, South.....	0.75	0.87	0.86	0.89	0.88	0.86	0.81	0.79	0.73	0.80
Malaysia.....	1.65	1.67	1.81	1.92	2.03	2.19	2.26	2.33	2.39	2.62
Mongolia.....	0.09	0.09	0.10	0.10	0.10	0.10	0.08	0.08	0.08	0.08
New Zealand.....	0.53	0.53	0.57	0.59	0.61	0.63	0.61	0.63	0.64	0.64
Pakistan.....	0.64	0.69	0.74	0.77	0.83	0.89	0.91	0.96	0.98	0.99
Papua New Guinea.....	(s)	(s)	(s)	(s)	(s)	0.01	0.12	0.27	0.23	0.21
Philippines.....	0.20	0.19	0.21	0.21	0.21	0.21	0.23	0.24	0.23	0.23
Taiwan.....	0.44	0.49	0.43	0.43	0.51	0.44	0.44	0.42	0.45	0.47
Thailand.....	0.33	0.35	0.43	0.46	0.52	0.57	0.59	0.65	0.68	0.73
Vietnam.....	0.20	0.22	0.24	0.21	0.29	0.35	0.43	0.56	0.62	0.74
Other.....	0.17	0.17	0.19	0.19	0.19	0.10	0.09	0.10	0.10	0.11
Total.....	50.85	52.68	54.45	57.24	59.34	61.04	62.41	66.17	68.74	72.35
World Total.....	314.35	321.84	334.23	341.06	346.52	343.72	345.35	348.11	352.50	361.02

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Primary energy production includes petroleum, natural gas, coal, and net hydroelectric, nuclear, geothermal, solar, and wind electric power. Data for United States also include electricity generated from wood and waste.

Sources: See sources at the end of Sections 3, 4, 5, and 6.

Table F2 World Crude Oil Production (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region -- Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	3.13	3.26	3.44	3.31	3.29	3.28	3.41	3.56	3.70	3.83
Mexico.....	5.34	5.59	5.53	5.53	5.60	5.88	5.87	5.86	5.89	5.74
United States.....	18.38	17.68	17.28	16.12	15.57	15.70	15.22	14.49	14.10	13.89
Total.....	26.84	26.52	26.24	24.95	24.47	24.86	24.51	23.92	23.70	23.46
Central & South America										
Argentina.....	0.95	0.94	0.98	1.01	1.06	1.06	1.21	1.30	1.42	1.56
Bolivia.....	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06
Brazil.....	1.23	1.22	1.20	1.29	1.36	1.36	1.35	1.39	1.45	1.50
Chile.....	0.07	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.03	0.02
Colombia.....	0.67	0.85	0.83	0.89	0.97	0.92	0.95	1.00	0.99	1.29
Cuba.....	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.05	0.06	0.06
Ecuador.....	0.64	0.38	0.66	0.61	0.62	0.65	0.70	0.75	0.80	0.86
Peru.....	0.38	0.35	0.30	0.28	0.27	0.24	0.25	0.27	0.27	0.28
Trinidad and Tobago.....	0.37	0.35	0.35	0.34	0.33	0.33	0.30	0.30	0.29	0.29
Venezuela.....	4.00	3.92	4.27	4.27	4.79	5.32	5.32	5.49	5.80	6.16
Other.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04
Total.....	8.41	8.16	8.74	8.82	9.53	10.02	10.24	10.64	11.18	12.11
Western Europe										
Austria.....	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05
Denmark.....	0.16	0.20	0.21	0.24	0.25	0.30	0.34	0.36	0.38	0.39
France.....	0.13	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11
Germany.....	--	--	--	--	--	0.15	0.14	0.13	0.13	0.13
Germany, East.....	(s)	(s)	(s)	(s)	(s)	--	--	--	--	--
Germany, West.....	0.17	0.16	0.17	0.16	0.15	--	--	--	--	--
Greece.....	0.05	0.05	0.05	0.04	0.03	0.03	0.03	0.02	0.02	0.02
Italy.....	0.11	0.15	0.20	0.18	0.20	0.18	0.19	0.19	0.19	0.21
Netherlands.....	0.21	0.20	0.17	0.14	0.16	0.17	0.12	0.11	0.18	0.15
Norway.....	1.78	2.10	2.38	3.19	3.50	3.88	4.59	4.82	5.17	5.68
Spain.....	0.08	0.07	0.06	0.04	0.03	0.05	0.05	0.04	0.03	0.03
Sweden.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Turkey.....	0.10	0.11	0.11	0.12	0.16	0.19	0.18	0.17	0.16	0.15
United Kingdom.....	5.38	5.10	4.74	3.82	3.85	3.81	3.88	4.06	5.03	5.27
Former Yugoslavia.....	0.18	0.17	0.16	0.15	0.14	0.13	--	--	--	--
Croatia.....	--	--	--	--	--	--	0.08	0.08	0.08	0.07
Serbia and Montenegro.....	--	--	--	--	--	--	0.05	0.05	0.05	0.05
Slovenia.....	--	--	--	--	--	--	0.00	(s)	(s)	(s)
Total.....	8.40	8.49	8.45	8.28	8.65	9.06	9.80	10.19	11.60	12.29
Eastern Europe & Former U.S.S.R.										
Albania.....	0.13	0.12	0.10	0.11	0.07	0.04	0.02	0.03	0.03	0.02
Bulgaria.....	0.01	0.01	0.01	0.01	0.01	(s)	(s)	(s)	(s)	(s)
Former Czechoslovakia.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	(s)	0.01	0.01
Slovakia.....	--	--	--	--	--	--	--	(s)	(s)	(s)
Hungary.....	0.08	0.08	0.09	0.08	0.09	0.08	0.08	0.08	0.09	0.08
Poland.....	0.01	0.01	0.01	0.01	(s)	0.01	0.01	0.01	0.01	0.01
Romania.....	0.47	0.45	0.41	0.38	0.34	0.30	0.29	0.28	0.29	0.28
Former U.S.S.R.....	25.53	25.86	25.94	25.14	23.55	21.44	--	--	--	--
Azerbaijan.....	--	--	--	--	--	--	0.46	0.43	0.39	0.38
Belarus.....	--	--	--	--	--	--	0.09	0.09	0.09	0.08
Georgia.....	--	--	--	--	--	--	0.01	(s)	(s)	0.01
Kazakhstan.....	--	--	--	--	--	--	0.96	0.88	0.76	0.78
Kyrgyzstan.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Lithuania.....	--	--	--	--	--	--	0.00	(s)	0.01	0.01
Russia.....	--	--	--	--	--	--	16.42	14.44	13.17	12.87
Tajikistan.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Turkmenistan.....	--	--	--	--	--	--	0.21	0.17	0.17	0.15
Ukraine.....	--	--	--	--	--	--	0.15	0.14	0.14	0.14
Uzbekistan.....	--	--	--	--	--	--	0.08	0.10	0.16	0.25
Total.....	26.23	26.55	26.56	25.74	24.08	21.88	18.78	16.66	15.31	15.07

See footnotes at end of table.

Table F2 World Crude Oil Production (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Bahrain.....	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.09
Iran.....	4.37	4.94	4.83	6.04	6.64	7.12	7.39	7.61	7.78	7.83
Iraq.....	3.59	4.42	5.72	6.15	4.33	0.65	0.91	1.09	1.17	1.19
Israel.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Kuwait.....	3.07	3.43	3.23	3.85	2.54	0.41	2.29	4.00	4.38	4.45
Oman.....	1.20	1.25	1.33	1.37	1.47	1.50	1.59	1.66	1.74	1.82
Qatar.....	0.65	0.62	0.73	0.80	0.86	0.83	0.89	0.87	0.88	1.02
Saudi Arabia.....	10.51	9.20	11.00	10.92	13.83	17.51	18.02	17.68	17.52	17.76
Syria.....	0.44	0.52	0.60	0.76	0.87	1.11	1.08	1.25	1.26	1.37
United Arab Emirates.....	2.81	3.26	3.32	3.93	4.47	5.04	4.80	4.56	4.63	4.82
Yemen.....	0.02	0.04	0.36	0.41	0.40	0.41	0.38	0.46	0.70	0.72
Total.....	26.75	27.75	31.21	34.34	35.50	34.65	37.44	39.27	40.13	41.06
Africa										
Algeria.....	1.92	2.12	2.11	2.22	2.38	2.49	2.47	2.36	2.39	2.44
Angola.....	0.60	0.77	0.96	0.97	1.01	1.06	1.12	1.08	1.14	1.37
Benin.....	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cameroon.....	0.38	0.38	0.35	0.37	0.35	0.33	0.31	0.28	0.23	0.22
Congo.....	0.25	0.26	0.30	0.35	0.35	0.33	0.37	0.38	0.38	0.40
Cote d'Ivoire (Ivory Coast).....	0.04	0.04	0.03	(s)	(s)	(s)	(s)	(s)	0.01	0.02
Egypt.....	1.76	1.94	1.84	1.87	1.89	1.89	1.91	1.92	1.94	1.99
Equatorial Guinea.....	0.00	0.00	0.00	0.00	0.00	(s)	(s)	0.01	0.01	0.01
Gabon.....	0.36	0.33	0.34	0.45	0.58	0.63	0.64	0.67	0.71	0.74
Ghana.....	(s)	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	0.01
Libya.....	2.18	2.05	2.48	2.42	2.90	3.13	3.03	2.87	2.90	2.93
Morocco.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Nigeria.....	3.15	2.88	3.12	3.68	3.88	4.06	4.18	4.21	4.14	4.28
South Africa.....	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02
Sudan.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Tunisia.....	0.23	0.22	0.21	0.22	0.19	0.22	0.23	0.20	0.19	0.18
Zaire.....	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.06	0.06
Total.....	10.95	11.07	11.84	12.62	13.61	14.22	14.34	14.07	14.14	14.67
Far East & Oceania										
Australia.....	1.06	1.11	1.10	1.00	1.17	1.11	1.09	1.02	1.09	1.14
Bangladesh.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Brunei.....	0.36	0.30	0.29	0.28	0.32	0.35	0.35	0.35	0.36	0.34
Burma.....	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
China.....	5.62	5.77	5.87	5.91	5.95	6.08	6.12	6.20	6.31	6.42
India.....	1.32	1.27	1.33	1.46	1.38	1.29	1.18	1.12	1.23	1.47
Indonesia.....	2.91	2.81	2.82	2.95	3.06	3.34	3.16	3.17	3.16	3.15
Japan.....	0.03	0.03	0.03	0.02	0.02	0.03	0.04	0.03	0.02	0.02
Malaysia.....	1.05	1.03	1.13	1.22	1.29	1.34	1.36	1.33	1.34	1.42
New Zealand.....	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.06
Pakistan.....	0.09	0.09	0.10	0.10	0.13	0.13	0.13	0.13	0.12	0.12
Papua New Guinea.....	0.00	0.00	0.00	0.00	0.00	(s)	0.11	0.26	0.23	0.20
Philippines.....	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01
Taiwan.....	(s)	0.01	(s)	(s)	0.01	0.01	(s)	(s)	(s)	(s)
Thailand.....	0.08	0.08	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.12
Vietnam.....	(s)	0.01	0.03	0.07	0.11	0.18	0.23	0.26	0.31	0.38
Total.....	12.65	12.62	12.89	13.24	13.67	14.08	14.02	14.13	14.43	14.90
World Total.....	120.24	121.16	125.93	127.98	129.50	128.77	129.13	128.88	130.48	133.56

¹ Preliminary.

² Includes oil processed from Athabasca Tar Sands.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Crude oil includes lease condensate.

Sources: See sources at the end of Section 3.

Table F3 World Natural Gas Plant Liquids Production (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	0.48	0.53	0.55	0.60	0.62	0.63	0.67	0.74	0.77	0.84
Mexico.....	0.47	0.45	0.49	0.51	0.57	0.60	0.60	0.61	0.61	0.59
United States.....	2.15	2.22	2.26	2.16	2.17	2.31	2.36	2.41	2.39	2.44
Total.....	3.09	3.19	3.31	3.26	3.36	3.54	3.63	3.75	3.77	3.87
Central & South America										
Argentina.....	0.04	0.05	0.05	0.04	0.04	0.04	0.04	0.05	0.06	0.06
Bolivia.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Brazil.....	0.03	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.05	0.06
Chile.....	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Colombia.....	0.01	0.01	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cuba.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Ecuador.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.01	0.01	0.01
Peru.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Trinidad and Tobago.....	0.00	0.00	0.00	0.00	0.00	(s)	0.01	(s)	(s)	(s)
Venezuela.....	0.15	0.14	0.15	0.17	0.17	0.18	0.17	0.22	0.22	0.23
Total.....	0.26	0.27	0.27	0.28	0.29	0.30	0.31	0.36	0.39	0.41
Western Europe										
Austria.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
France.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Greece.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Italy.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Netherlands.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.03
Norway.....	0.08	0.09	0.12	0.12	0.12	0.15	0.15	0.16	0.16	0.22
Spain.....	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01
United Kingdom.....	0.25	0.27	0.26	0.23	0.18	0.23	0.26	0.28	0.36	0.44
Former Yugoslavia.....	0.01	0.02	0.02	0.01	0.02	0.01	—	—	—	—
Croatia.....	—	—	—	—	—	—	0.01	0.01	0.01	0.01
Total.....	0.40	0.42	0.45	0.42	0.38	0.45	0.48	0.51	0.60	0.73
Eastern Europe & Former U.S.S.R.										
Former Czechoslovakia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	(s)	(s)	(s)
Hungary.....	0.04	0.04	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Poland.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Romania.....	0.03	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Former U.S.S.R.....	0.67	0.65	0.68	0.64	0.64	0.64	—	—	—	—
Azerbaijan.....	—	—	—	—	—	—	0.01	0.01	0.01	0.01
Kazakhstan.....	—	—	—	—	—	—	0.13	0.12	0.10	0.08
Kyrgyzstan.....	—	—	—	—	—	—	(s)	(s)	(s)	(s)
Russia.....	—	—	—	—	—	—	0.35	0.33	0.30	0.27
Tajikistan.....	—	—	—	—	—	—	(s)	(s)	(s)	(s)
Turkmenistan.....	—	—	—	—	—	—	0.02	0.02	0.01	0.02
Ukraine.....	—	—	—	—	—	—	0.03	0.03	0.03	0.03
Uzbekistan.....	—	—	—	—	—	—	0.05	0.06	0.06	0.07
Total.....	0.73	0.71	0.74	0.69	0.68	0.67	0.63	0.60	0.54	0.51
Middle East										
Bahrain.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Iran.....	0.02	0.03	0.03	0.04	0.06	0.08	0.08	0.09	0.09	0.10
Iraq.....	0.02	0.02	0.03	0.09	0.05	0.00	(s)	0.02	0.03	0.04
Kuwait.....	0.11	0.15	0.15	0.16	0.10	0.00	0.05	0.08	0.13	0.15
Oman.....	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.02
Qatar.....	0.03	0.03	0.04	0.03	0.06	0.07	0.08	0.08	0.07	0.08
Saudi Arabia.....	0.60	0.65	0.78	0.78	0.97	1.06	1.11	1.10	1.09	1.09
Syria.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.01	0.01	0.01
United Arab Emirates.....	0.31	0.24	0.22	0.22	0.22	0.24	0.24	0.24	0.25	0.26
Total.....	1.11	1.14	1.28	1.35	1.47	1.47	1.58	1.65	1.70	1.76

See footnotes at end of table.

Table F3 World Natural Gas Plant Liquids Production (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Africa										
Algeria.....	0.22	0.26	0.22	0.24	0.24	0.26	0.26	0.27	0.26	0.27
Egypt.....	0.04	0.05	0.06	0.08	0.07	0.08	0.08	0.10	0.10	0.11
Libya.....	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.06
Tunisia.....	0.00	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	(s)
Total.....	0.31	0.36	0.34	0.39	0.38	0.41	0.41	0.44	0.44	0.44
Far East & Oceania ²										
Australia.....	0.09	0.10	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.08
Bangladesh.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Brunei.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Burma.....	0.00	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
India.....	0.01	0.01	0.02	0.02	0.02	0.02	0.05	0.05	0.08	0.08
Indonesia.....	0.04	0.04	0.04	0.11	0.11	0.11	0.11	0.12	0.12	0.11
Japan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.01	0.01	0.01
Malaysia.....	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
New Zealand.....	(s)	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Pakistan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.01
Taiwan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Thailand.....	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.06
Total.....	0.22	0.22	0.24	0.29	0.30	0.30	0.33	0.35	0.39	0.41
World Total.....	6.12	6.32	6.63	6.67	6.85	7.13	7.37	7.65	7.82	8.13

¹ Preliminary.

² Does not include China for which data are unavailable.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 3.

Table F4 World Dry Natural Gas Production (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	2.90	3.15	3.63	3.85	3.90	4.12	4.60	4.99	5.45	5.80
Mexico.....	0.93	0.87	0.94	0.94	0.96	1.14	1.13	1.10	1.11	1.15
United States.....	16.54	17.14	17.60	17.85	18.36	18.23	18.38	18.58	19.27	19.33
Total.....	20.37	21.15	22.17	22.64	23.23	23.49	24.10	24.67	25.83	26.27
Central & South America										
Argentina.....	0.51	0.49	0.59	0.67	0.59	0.66	0.77	0.82	0.85	0.96
Barbados.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Bolivia.....	0.09	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.10	0.11
Brazil.....	0.09	0.11	0.10	0.13	0.11	0.14	0.15	0.17	0.18	0.19
Chile.....	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.06	0.07	0.07
Colombia.....	0.16	0.13	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.17
Cuba.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Ecuador.....	(s)	(s)	(s)	(s)	0.01	(s)	(s)	(s)	(s)	0.01
Peru.....	0.05	0.05	0.04	0.04	0.02	0.02	0.02	0.03	0.03	0.03
Trinidad and Tobago.....	0.16	0.15	0.16	0.17	0.18	0.21	0.20	0.23	0.26	0.28
Venezuela.....	0.77	0.75	0.75	0.88	0.91	0.95	0.91	0.97	1.04	1.11
Total.....	1.86	1.79	1.92	2.19	2.13	2.27	2.36	2.54	2.70	2.92
Western Europe										
Austria.....	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.06
Belgium.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Denmark.....	0.08	0.10	0.10	0.12	0.12	0.15	0.16	0.17	0.19	0.21
France.....	0.15	0.14	0.12	0.12	0.11	0.13	0.12	0.12	0.13	0.11
Germany.....	—	—	—	—	—	0.60	0.60	0.61	0.60	0.64
Germany, East.....	0.12	0.11	0.12	0.11	0.05	—	—	—	—	—
Germany, West.....	0.49	0.56	0.52	0.52	0.51	—	—	—	—	—
Greece.....	(s)	(s)	0.01	0.01	0.01	0.01	0.01	(s)	(s)	(s)
Ireland.....	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.10	0.10	0.10
Italy.....	0.59	0.60	0.61	0.62	0.63	0.62	0.65	0.69	0.73	0.71
Netherlands.....	2.47	2.48	2.19	2.39	2.41	2.72	2.73	2.78	2.63	2.66
Norway.....	1.07	1.14	1.14	1.18	1.06	1.05	1.14	1.06	1.16	1.20
Spain.....	0.01	0.03	0.04	0.06	0.06	0.05	0.05	0.03	0.01	0.02
Switzerland.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Turkey.....	0.02	0.01	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
United Kingdom.....	1.65	1.73	1.67	1.64	1.92	2.01	2.01	2.40	2.57	2.77
Former Yugoslavia.....	0.10	0.09	0.12	0.11	0.09	0.09	—	—	—	—
Bosnia and Herzegovina.....	—	—	—	—	—	—	(s)	0.00	0.00	0.00
Croatia.....	—	—	—	—	—	—	0.06	0.07	0.06	0.06
Serbia and Montenegro.....	—	—	—	—	—	—	0.03	0.03	0.03	0.03
Slovenia.....	—	—	—	—	—	—	(s)	(s)	(s)	(s)
Total.....	6.84	7.10	6.76	7.01	7.11	7.57	7.70	8.13	8.26	8.58

See footnotes at end of table.

Table F4 World Dry Natural Gas Production (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	0.01	0.02	0.03	0.03	0.01	0.01	(s)	(s)	(s)	(s)
Bulgaria.....	0.01	(s)	(s)	(s)	0.00	0.00	(s)	(s)	(s)	(s)
Former Czechoslovakia.....	0.03	0.02	0.03	0.03	0.02	0.02	0.01	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	0.01	0.01	0.01
Slovakia.....	--	--	--	--	--	--	--	0.01	0.01	0.01
Hungary.....	0.28	0.25	0.25	0.24	0.15	0.16	0.16	0.18	0.16	0.16
Poland.....	0.21	0.20	0.21	0.19	0.12	0.12	0.12	0.15	0.13	0.13
Romania.....	1.50	1.48	1.44	1.27	1.07	0.80	0.71	0.68	0.63	0.62
Former U.S.S.R.....	22.50	23.63	25.34	26.20	26.57	26.08	--	--	--	--
Azerbaijan.....	--	--	--	--	--	--	0.25	0.22	0.21	0.21
Belarus.....	--	--	--	--	--	--	0.01	0.01	0.01	0.01
Georgia.....	--	--	--	--	--	--	(s)	0.00	0.00	0.00
Kazakhstan.....	--	--	--	--	--	--	0.26	0.21	0.14	0.15
Kyrgyzstan.....	--	--	--	--	--	--	(s)	0.00	(s)	(s)
Russia.....	--	--	--	--	--	--	20.60	19.87	19.41	19.01
Tajikistan.....	--	--	--	--	--	--	(s)	0.00	(s)	(s)
Turkmenistan.....	--	--	--	--	--	--	1.84	2.08	1.15	1.04
Ukraine.....	--	--	--	--	--	--	0.67	0.62	0.59	0.56
Uzbekistan.....	--	--	--	--	--	--	1.38	1.45	1.52	1.55
Total.....	24.54	25.61	27.29	27.96	27.94	27.17	26.02	25.48	23.96	23.47
Middle East										
Bahrain.....	0.19	0.23	0.19	0.19	0.21	0.24	0.20	0.24	0.25	0.25
Iran.....	0.57	0.60	0.75	0.83	0.88	0.97	0.93	1.01	1.19	1.31
Iraq.....	0.05	0.14	0.21	0.23	0.15	0.04	0.11	0.09	0.12	0.12
Israel.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	0.00	0.00	0.00	(s)	(s)	(s)	0.01	0.01	0.01	0.01
Kuwait.....	0.18	0.20	0.24	0.30	0.19	0.02	0.10	0.20	0.22	0.22
Oman.....	0.07	0.08	0.08	0.10	0.10	0.13	0.12	0.15	0.16	0.18
Qatar.....	0.20	0.21	0.22	0.23	0.29	0.34	0.42	0.50	0.50	0.50
Saudi Arabia.....	0.93	0.99	1.08	1.10	1.13	1.18	1.26	1.33	1.39	1.49
Syria.....	0.01	0.02	0.02	0.04	0.11	0.13	0.13	0.14	0.14	0.18
United Arab Emirates.....	0.56	0.71	0.69	0.85	0.82	0.96	1.07	0.98	0.95	1.11
Total.....	2.76	3.18	3.48	3.87	3.90	4.02	4.34	4.65	4.93	5.38
Africa										
Algeria.....	1.41	1.62	1.73	1.81	1.90	2.05	2.09	2.02	1.92	2.18
Angola.....	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Congo.....	(s)	(s)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cote d'Ivoire (Ivory Coast).....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(s)
Egypt.....	0.21	0.23	0.26	0.29	0.30	0.34	0.37	0.42	0.44	0.46
Gabon.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Libya.....	0.21	0.20	0.20	0.22	0.23	0.24	0.25	0.24	0.24	0.23
Morocco.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Nigeria.....	0.12	0.14	0.14	0.17	0.14	0.18	0.18	0.19	0.17	0.16
Senegal.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)
South Africa.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	0.07	0.07	0.07
Tunisia.....	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.01
Total.....	1.99	2.23	2.37	2.53	2.60	2.84	2.93	2.97	2.88	3.15

See footnotes at end of table.

Table F4 World Dry Natural Gas Production (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0.11	0.10	0.11	0.11	0.11	0.01	0.01	0.01	0.01	0.01
Australia.....	0.54	0.56	0.58	0.59	0.76	0.79	0.87	0.92	0.98	1.13
Bangladesh.....	0.11	0.12	0.14	0.15	0.15	0.16	0.19	0.20	0.22	0.24
Brunei.....	0.36	0.37	0.37	0.37	0.39	0.32	0.33	0.34	0.34	0.38
Burma.....	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06
China.....	0.54	0.55	0.55	0.56	0.56	0.58	0.59	0.62	0.65	0.56
India.....	0.19	0.23	0.32	0.33	0.41	0.47	0.49	0.55	0.62	0.68
Indonesia.....	1.30	1.42	1.47	1.57	1.53	1.72	1.79	1.97	2.21	2.23
Japan.....	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09
Malaysia.....	0.55	0.57	0.61	0.63	0.68	0.78	0.83	0.92	0.96	1.10
New Zealand.....	0.16	0.15	0.17	0.17	0.17	0.19	0.20	0.18	0.17	0.17
Pakistan.....	0.36	0.39	0.41	0.44	0.45	0.50	0.51	0.54	0.59	0.60
Papua New Guinea.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Taiwan.....	0.04	0.05	0.03	0.05	0.08	0.03	0.03	0.03	0.03	0.04
Thailand.....	0.11	0.13	0.20	0.19	0.21	0.24	0.25	0.31	0.30	0.32
Vietnam.....	(s)	(s)	(s)	(s)	(s)	(s)	0.01	0.01	0.01	0.05
Total.....	4.48	4.78	5.09	5.28	5.62	5.91	6.24	6.73	7.24	7.65
World Total.....	62.85	65.84	69.08	71.49	72.53	73.29	73.70	75.17	75.81	77.42

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 4.

Table F5 World Coal Production (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	1.43	1.50	1.73	1.74	1.70	1.78	1.62	1.71	1.80	1.86
Mexico.....	0.14	0.17	0.15	0.16	0.13	0.12	0.13	0.14	0.19	0.20
United States.....	19.51	20.14	20.74	21.35	22.46	21.59	21.59	20.22	22.07	21.98
Total.....	21.08	21.81	22.62	23.25	24.28	23.49	23.34	22.07	24.06	24.04
Central & South America										
Argentina.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	(s)	(s)	(s)
Brazil.....	0.14	0.13	0.14	0.13	0.09	0.10	0.08	0.08	0.08	0.08
Chile.....	0.05	0.04	0.05	0.05	0.06	0.06	0.05	0.04	0.05	0.05
Colombia.....	0.28	0.38	0.39	0.49	0.53	0.61	0.61	0.60	0.64	0.68
Peru.....	(s)	(s)	0.01	0.01	(s)	(s)	(s)	(s)	(s)	(s)
Venezuela.....	(s)	0.01	0.03	0.06	0.06	0.07	0.07	0.13	0.15	0.16
Total.....	0.48	0.57	0.63	0.74	0.74	0.84	0.82	0.86	0.93	0.98
Western Europe										
Austria.....	0.08	0.07	0.06	0.05	0.06	0.06	0.05	0.04	0.04	0.03
Belgium.....	0.19	0.14	0.06	0.05	0.05	0.04	0.02	0.02	0.01	0.01
France.....	0.46	0.46	0.37	0.36	0.33	0.32	0.29	0.26	0.24	0.22
Germany.....	—	—	—	—	—	3.96	3.65	3.37	3.09	2.93
Germany, East.....	2.62	2.60	2.61	2.54	2.36	—	—	—	—	—
Germany, West.....	3.03	2.88	2.80	2.76	2.71	—	—	—	—	—
Greece.....	0.23	0.27	0.29	0.31	0.31	0.32	0.27	0.30	0.31	0.32
Ireland.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Italy.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	(s)	(s)
Norway.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Portugal.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Spain.....	0.76	0.68	0.67	0.68	0.53	0.50	0.50	0.47	0.45	0.44
Sweden.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Turkey.....	0.45	0.45	0.39	0.50	0.45	0.43	0.49	0.47	0.52	0.52
United Kingdom.....	2.70	2.61	2.60	2.53	2.40	2.42	1.98	1.59	1.13	1.09
Former Yugoslavia.....	0.85	0.85	0.86	0.88	0.88	0.81	—	—	—	—
Bosnia and Herzegovina.....	—	—	—	—	—	—	0.06	0.04	0.03	0.02
Croatia.....	—	—	—	—	—	—	(s)	(s)	(s)	(s)
Macedonia, TFYR.....	—	—	—	—	—	—	0.07	0.06	0.04	0.03
Serbia and Montenegro.....	—	—	—	—	—	—	0.38	0.33	0.33	0.36
Slovenia.....	—	—	—	—	—	—	0.02	0.02	0.01	0.01
Total.....	11.41	11.05	10.73	10.68	10.12	8.88	7.79	7.00	6.21	6.01
Eastern Europe & Former U.S.S.R.										
Albania.....	0.02	0.02	0.02	0.02	0.02	0.01	(s)	(s)	(s)	(s)
Bulgaria.....	0.36	0.37	0.34	0.34	0.30	0.27	0.28	0.29	0.29	0.28
Former Czechoslovakia.....	2.92	2.91	2.86	2.73	2.43	2.26	2.12	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	1.61	1.72	1.64
Slovakia.....	—	—	—	—	—	—	—	0.06	0.06	0.05
Hungary.....	0.26	0.26	0.24	0.23	0.20	0.19	0.19	0.17	0.17	0.16
Poland.....	4.72	4.78	4.78	4.43	3.74	3.59	3.53	3.51	3.57	3.55
Romania.....	0.45	0.48	0.54	0.56	0.34	0.29	0.29	0.34	0.37	0.35
Former U.S.S.R.....	12.75	12.89	13.06	12.53	13.67	10.65	—	—	—	—
Estonia.....	—	—	—	—	—	—	0.17	0.11	0.11	0.10
Georgia.....	—	—	—	—	—	—	0.01	(s)	(s)	(s)
Kazakhstan.....	—	—	—	—	—	—	2.31	2.06	1.45	1.16
Kyrgyzstan.....	—	—	—	—	—	—	0.04	0.05	0.03	0.02
Russia.....	—	—	—	—	—	—	6.36	5.71	5.01	4.85
Tajikistan.....	—	—	—	—	—	—	(s)	(s)	(s)	(s)
Ukraine.....	—	—	—	—	—	—	2.56	2.45	2.00	1.77
Uzbekistan.....	—	—	—	—	—	—	0.06	0.05	0.05	0.04
Total.....	21.48	21.73	21.85	20.83	20.70	17.26	17.92	16.42	14.82	13.98

See footnotes at end of table.

Table F5 World Coal Production (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Iran.....	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04
Total.....	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04
Africa										
Algeria.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Botswana.....	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Cameroon.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Malawi.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Morocco.....	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Mozambique.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Niger.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	0.01
Nigeria.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
South Africa.....	5.04	5.03	5.17	5.03	4.99	5.07	4.96	5.25	5.57	5.87
Swaziland.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Tanzania.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Zaire.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Zambia.....	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zimbabwe.....	0.11	0.13	0.14	0.14	0.13	0.15	0.15	0.14	0.15	0.15
Total.....	5.21	5.23	5.37	5.22	5.19	5.29	5.17	5.45	5.79	6.09
Far East & Oceania										
Afghanistan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Australia.....	3.31	3.68	3.41	3.74	3.97	4.13	4.37	4.40	4.40	4.78
Bhutan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Burma.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
China.....	17.88	18.56	19.59	21.06	21.55	21.71	22.27	23.92	25.35	26.57
India.....	3.53	3.54	3.60	3.72	3.91	4.23	4.46	4.94	5.01	5.27
Indonesia.....	0.07	0.09	0.11	0.23	0.29	0.37	0.57	0.74	0.79	1.01
Japan.....	0.32	0.31	0.29	0.26	0.24	0.20	0.18	0.17	0.17	0.16
Korea, North.....	1.36	1.39	1.46	1.52	1.55	1.58	1.56	1.62	1.63	1.63
Korea, South.....	0.43	0.43	0.43	0.37	0.31	0.27	0.21	0.17	0.13	0.10
Laos.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Malaysia.....	(s)	(s)	(s)	(s)	(s)	(s)	0.01	0.01	0.01	0.01
Mongolia.....	0.09	0.09	0.10	0.10	0.10	0.10	0.08	0.08	0.08	0.08
Nepal.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
New Zealand.....	0.06	0.07	0.06	0.07	0.06	0.07	0.07	0.08	0.07	0.08
Pakistan.....	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.06
Philippines.....	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
Taiwan.....	0.05	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Thailand.....	0.06	0.08	0.08	0.10	0.14	0.16	0.16	0.16	0.18	0.18
Vietnam.....	0.17	0.18	0.19	0.10	0.12	0.12	0.13	0.19	0.19	0.20
Total.....	27.42	28.54	29.46	31.38	32.35	33.03	34.18	36.59	38.14	40.17
World Total.....	87.13	88.96	90.70	92.14	93.43	88.83	89.28	88.43	90.00	91.32

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Coal includes anthracite, subanthracite, bituminous, subbituminous, lignite, and brown coal.

Sources: See sources at the end of Section 5.

Table F6 World Net Hydroelectric Power Generation (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	3.20	3.26	3.16	2.99	3.06	3.17	3.26	3.33	3.38	3.43
Mexico.....	0.21	0.19	0.22	0.25	0.24	0.23	0.27	0.27	0.21	0.28
United States..2.....	3.07	2.63	2.33	2.84	3.06	3.02	2.66	2.96	2.77	3.32
Total.....	6.48	6.08	5.71	6.09	6.35	6.42	6.19	6.56	6.36	7.04
Central & South America										
Argentina.....	0.22	0.23	0.16	0.14	0.19	0.17	0.20	0.25	0.28	0.31
Bolivia.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Brazil.....	1.88	1.91	2.05	2.11	2.13	2.24	2.30	2.45	2.50	2.55
Chile.....	0.12	0.13	0.12	0.10	0.12	0.14	0.17	0.18	0.17	0.17
Colombia.....	0.26	0.22	0.25	0.27	0.28	0.28	0.23	0.29	0.33	0.38
Costa Rica.....	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.03
Dominican Republic.....	0.01	0.01	0.01	0.01	(s)	0.01	0.02	0.02	0.02	0.02
Ecuador.....	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.07
El Salvador.....	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.02
Guatemala.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Haiti.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Honduras.....	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
Jamaica.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Nicaragua.....	(s)	(s)	(s)	0.01	(s)	(s)	(s)	(s)	(s)	(s)
Panama.....	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Paraguay.....	0.12	0.19	0.21	0.25	0.28	0.30	0.28	0.32	0.37	0.42
Peru.....	0.10	0.11	0.11	0.11	0.11	0.12	0.10	0.12	0.12	0.12
Puerto Rico.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Suriname.....	0.01	(s)	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Uruguay.....	0.08	0.07	0.06	0.04	0.07	0.06	0.08	0.08	0.08	0.08
Venezuela.....	0.26	0.32	0.35	0.36	0.38	0.46	0.48	0.49	0.53	0.57
Other.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	3.21	3.36	3.50	3.58	3.78	3.98	4.08	4.42	4.64	4.86
Western Europe										
Austria.....	0.32	0.26	0.37	0.36	0.32	0.32	0.36	0.38	0.37	0.38
Belgium.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Finland.....	0.13	0.14	0.14	0.13	0.11	0.14	0.16	0.14	0.12	0.13
France.....	0.63	0.71	0.77	0.48	0.55	0.59	0.70	0.66	0.80	0.74
Germany.....	--	--	--	--	--	0.15	0.18	0.18	0.19	0.21
Germany, East.....	0.02	0.02	0.02	0.02	0.01	--	--	--	--	--
Germany, West.....	0.19	0.21	0.22	0.20	0.19	--	--	--	--	--
Greece.....	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.03
Iceland.....	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Ireland.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Italy.....	0.42	0.41	0.42	0.35	0.33	0.43	0.43	0.43	0.46	0.39
Luxembourg.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Norway.....	0.99	1.06	1.12	1.22	1.25	1.13	1.20	1.23	1.16	1.26
Portugal.....	0.09	0.09	0.13	0.06	0.09	0.09	0.05	0.09	0.11	0.09
Spain.....	0.27	0.28	0.36	0.20	0.26	0.28	0.19	0.25	0.29	0.23
Sweden.....	0.63	0.74	0.72	0.74	0.75	0.65	0.77	0.77	0.60	0.70
Switzerland.....	0.34	0.36	0.37	0.31	0.31	0.33	0.34	0.37	0.40	0.36
Turkey.....	0.12	0.19	0.30	0.18	0.24	0.23	0.27	0.35	0.31	0.37
United Kingdom.....	0.05	0.04	0.05	0.05	0.05	0.05	0.06	0.04	0.05	0.04
Former Yugoslavia.....	0.29	0.27	0.27	0.24	0.20	0.20	--	--	--	--
Bosnia and Herzegovina.....	--	--	--	--	--	--	0.03	0.02	0.01	0.01
Croatia.....	--	--	--	--	--	--	0.04	0.04	0.05	0.05
Macedonia, TFYR.....	--	--	--	--	--	--	0.01	0.01	0.01	0.01
Serbia and Montenegro.....	--	--	--	--	--	--	0.12	0.10	0.11	0.11
Slovenia.....	--	--	--	--	--	--	0.04	0.03	0.03	0.03
Other.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	4.57	4.88	5.31	4.61	4.74	4.68	5.02	5.17	5.18	5.20

See footnotes at end of table.

Table F6 World Net Hydroelectric Power Generation (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	0.03	0.04	0.04	0.04	0.03	0.04	0.03	0.03	0.04	0.04
Bulgaria.....	0.02	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02
Former Czechoslovakia.....	0.04	0.05	0.05	0.04	0.04	0.03	0.04	—	—	—
Czech Republic.....	—	—	—	—	—	—	—	0.02	0.02	0.02
Slovakia.....	—	—	—	—	—	—	—	0.04	0.05	0.05
Hungary.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Poland.....	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04
Romania.....	0.11	0.12	0.14	0.13	0.11	0.15	0.12	0.13	0.13	0.14
Former U.S.S.R.....	2.22	2.26	2.38	2.30	2.40	2.42	—	—	—	—
Armenia.....	—	—	—	—	—	—	0.03	0.04	0.04	0.04
Azerbaijan.....	—	—	—	—	—	—	0.02	0.02	0.02	0.02
Georgia.....	—	—	—	—	—	—	0.07	0.07	0.05	0.05
Kazakhstan.....	—	—	—	—	—	—	0.07	0.08	0.09	0.09
Kyrgyzstan.....	—	—	—	—	—	—	0.10	0.09	0.12	0.12
Latvia.....	—	—	—	—	—	—	0.03	0.03	0.03	0.03
Lithuania.....	—	—	—	—	—	—	(s)	(s)	0.01	0.01
Moldova.....	—	—	—	—	—	—	(s)	(s)	(s)	(s)
Russia.....	—	—	—	—	—	—	1.78	1.80	1.82	1.86
Tajikistan.....	—	—	—	—	—	—	0.16	0.18	0.17	0.15
Ukraine.....	—	—	—	—	—	—	0.08	0.12	0.12	0.12
Uzbekistan.....	—	—	—	—	—	—	0.06	0.08	0.07	0.08
Other.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Total.....	2.47	2.54	2.67	2.58	2.64	2.70	2.65	2.80	2.84	2.89
Middle East										
Iran.....	0.06	0.07	0.07	0.07	0.06	0.07	0.10	0.10	0.08	0.07
Iraq.....	0.01	0.01	0.01	0.01	0.01	(s)	0.01	0.01	0.01	0.01
Israel.....	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Lebanon.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Syria.....	0.02	0.02	0.05	0.05	0.06	0.06	0.08	0.07	0.07	0.07
Total.....	0.09	0.10	0.13	0.13	0.13	0.15	0.19	0.18	0.16	0.16
Africa										
Algeria.....	(s)	0.01	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Angola.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cameroon.....	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Congo.....	(s)	(s)	(s)	(s)	0.01	(s)	(s)	(s)	(s)	(s)
Cote d'Ivoire (Ivory Coast).....	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Egypt.....	0.08	0.08	0.08	0.08	0.10	0.09	0.09	0.09	0.09	0.09
Ethiopia.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Gabon.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ghana.....	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
Kenya.....	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Madagascar.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Malawi.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mali.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Morocco.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	(s)	0.01	0.01
Nigeria.....	0.04	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.06	0.06
Reunion.....	0.01	0.01	(s)	0.01	0.01	(s)	0.01	0.01	0.01	0.01
South Africa.....	0.02	0.02	0.03	0.03	0.01	0.02	0.01	(s)	0.01	0.01
Sudan.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Tanzania.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Uganda.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Zaire.....	0.05	0.05	0.05	0.06	0.05	0.05	0.06	0.06	0.06	0.05
Zambia.....	0.10	0.09	0.09	0.07	0.08	0.08	0.08	0.08	0.08	0.08
Zimbabwe.....	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.02	0.02	0.03
Other.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total.....	0.51	0.50	0.53	0.54	0.56	0.57	0.56	0.54	0.56	0.56

See footnotes at end of table.

Table F6 World Net Hydroelectric Power Generation (Btu), 1986 - 1995 (Continued)
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Afghanistan.....	0.01	0.01	0.01	0.01	0.01	0.01	(s)	(s)	(s)	(s)
Australia.....	0.15	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.16
Bangladesh.....	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bhutan.....	(s)	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Burma.....	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Cambodia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
China.....	0.97	1.03	1.12	1.22	1.30	1.29	1.35	1.55	1.68	1.82
Fiji.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
French Polynesia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
India.....	0.55	0.49	0.60	0.64	0.74	0.75	0.72	0.73	0.73	0.74
Indonesia.....	0.07	0.08	0.09	0.09	0.11	0.10	0.13	0.12	0.13	0.13
Japan.....	0.83	0.77	0.94	0.94	0.92	1.00	0.85	0.98	0.69	0.83
Korea, North.....	0.30	0.30	0.32	0.33	0.33	0.33	0.25	0.25	0.24	0.24
Korea, South.....	0.04	0.05	0.04	0.05	0.07	0.05	0.05	0.06	0.04	0.06
Laos.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Malaysia.....	0.04	0.05	0.06	0.05	0.04	0.05	0.04	0.05	0.06	0.06
Nepal.....	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
New Caledonia.....	(s)	(s)	0.01	0.01	(s)	(s)	(s)	(s)	(s)	(s)
New Zealand.....	0.23	0.23	0.24	0.23	0.24	0.24	0.21	0.24	0.26	0.28
Pakistan.....	0.14	0.16	0.17	0.17	0.17	0.19	0.19	0.22	0.20	0.19
Papua New Guinea.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Philippines.....	0.06	0.05	0.06	0.07	0.06	0.06	0.06	0.06	0.07	0.07
Sri Lanka.....	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04
Taiwan.....	0.08	0.07	0.06	0.07	0.09	0.06	0.09	0.07	0.09	0.09
Thailand.....	0.06	0.04	0.04	0.06	0.05	0.05	0.04	0.04	0.05	0.06
U.S. Pacific Islands.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Vietnam.....	0.02	0.02	0.02	0.04	0.06	0.06	0.06	0.09	0.10	0.10
Western Samoa.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	3.63	3.57	3.99	4.20	4.42	4.49	4.32	4.75	4.63	4.95
World Total.....	20.97	21.03	21.85	21.73	22.62	22.99	23.01	24.43	24.36	25.65

¹ Preliminary.

² There is a discontinuity in this time series between 1988 and 1989; beginning in 1989, pumped storage is removed, and expanded coverage of industrial use of hydroelectric power and of electricity generated from non-electric utilities is included.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Generation data consist of both utility and nonutility sources. Data are reported as net generation as opposed to gross. Net generation excludes the energy consumed by the generating unit and excludes generation from pumped storage.

Sources: See sources at the end of Section 6.

Table F7 World Net Nuclear Electric Power Generation (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	0.78	0.84	0.90	0.87	0.79	0.92	0.87	1.01	1.16	1.05
Mexico.....	0.00	0.00	0.00	0.00	0.02	0.04	0.04	0.05	0.04	0.08
United States.....	4.47	4.91	5.66	5.68	6.16	6.58	6.61	6.52	6.84	7.19
Total.....	5.25	5.75	6.56	6.55	6.97	7.54	7.52	7.58	8.04	8.32
Central & South America										
Argentina.....	0.06	0.07	0.06	0.06	0.08	0.09	0.08	0.09	0.09	0.08
Brazil.....	(s)	0.01	(s)	0.02	0.02	0.01	0.02	(s)	(s)	0.02
Total.....	0.06	0.08	0.06	0.07	0.10	0.10	0.10	0.09	0.09	0.11
Western Europe										
Belgium.....	0.39	0.41	0.42	0.41	0.42	0.42	0.43	0.41	0.40	0.41
Finland.....	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
France.....	2.43	2.53	2.64	2.93	3.10	3.28	3.34	3.64	3.54	3.71
Germany.....	--	--	--	--	--	1.42	1.54	1.49	1.47	1.49
Germany, East.....	0.12	0.12	0.12	0.12	0.06	--	--	--	--	--
Germany, West.....	1.25	1.37	1.52	1.47	1.46	--	--	--	--	--
Italy.....	0.10	(s)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Netherlands.....	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04
Spain.....	0.40	0.44	0.52	0.58	0.53	0.54	0.54	0.54	0.53	0.53
Sweden.....	0.67	0.64	0.66	0.63	0.65	0.74	0.61	0.59	0.70	0.67
Switzerland.....	0.21	0.22	0.23	0.23	0.24	0.23	0.23	0.23	0.24	0.25
United Kingdom.....	0.62	0.57	0.66	0.76	0.70	0.78	0.86	0.96	0.95	0.95
Former Yugoslavia.....	0.05	0.05	0.04	0.05	0.05	0.04	--	--	--	--
Slovenia.....	--	--	--	--	--	--	0.04	0.04	0.04	0.04
Total.....	6.47	6.59	7.05	7.40	7.43	7.68	7.82	8.13	8.11	8.29
Eastern Europe & Former U.S.S.R.										
Bulgaria.....	0.13	0.13	0.17	0.16	0.15	0.14	0.12	0.15	0.16	0.18
Former Czechoslovakia.....	0.22	0.26	0.27	0.28	0.29	0.28	0.29	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	0.15	0.15	0.15
Slovakia.....	--	--	--	--	--	--	--	0.14	0.14	0.13
Hungary.....	0.08	0.12	0.14	0.15	0.15	0.13	0.13	0.13	0.13	0.13
Former U.S.S.R.....	1.74	2.03	2.33	2.43	2.31	2.31	--	--	--	--
Kazakhstan.....	--	--	--	--	--	--	0.01	(s)	(s)	(s)
Lithuania.....	--	--	--	--	--	--	0.15	0.13	0.08	0.11
Russia.....	--	--	--	--	--	--	1.25	1.25	1.02	1.04
Ukraine.....	--	--	--	--	--	--	0.76	0.78	0.71	0.73
Total.....	2.17	2.53	2.91	3.03	2.89	2.86	2.71	2.73	2.41	2.48
Africa										
South Africa.....	0.09	0.06	0.11	0.11	0.09	0.09	0.09	0.07	0.10	0.11
Total.....	0.09	0.06	0.11	0.11	0.09	0.09	0.09	0.07	0.10	0.11
Far East & Oceania										
China.....	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.14	0.13
India.....	0.06	0.06	0.06	0.04	0.07	0.06	0.07	0.07	0.06	0.09
Japan.....	1.69	2.01	1.85	1.86	1.87	2.08	2.17	2.42	2.61	2.82
Korea, South.....	0.28	0.39	0.39	0.47	0.51	0.54	0.54	0.56	0.56	0.64
Pakistan.....	(s)	0.01	(s)	(s)	(s)	(s)	0.01	(s)	0.01	0.01
Taiwan.....	0.26	0.33	0.30	0.28	0.32	0.33	0.30	0.31	0.31	0.34
Total.....	2.29	2.78	2.61	2.65	2.77	3.01	3.10	3.39	3.69	4.01
World Total.....	16.34	17.80	19.30	19.82	20.26	21.29	21.34	21.99	22.43	23.32

¹ Preliminary.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Generation data consist of both utility and nonutility sources. Data are reported as net generation as opposed to gross. Net generation excludes the energy consumed by the generating unit.

No generation is reported for Middle East.

Sources: See sources at the end of Section 6.

Table F8 World Net Geothermal, Solar, and Wind Electric Power Generation (Btu), 1986 - 1995
(Quadrillion (10¹⁵) Btu)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Mexico.....	0.07	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.11	0.11
United States..2.....	0.23	0.24	0.23	0.71	0.80	0.86	0.93	0.96	0.97	0.95
Total.....	0.30	0.34	0.33	0.80	0.90	0.97	1.05	1.08	1.08	1.06
Central & South America										
Brazil.....	0.15	0.13	0.12	0.12	0.11	0.12	0.13	0.13	0.14	0.15
Costa Rica.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
El Salvador.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Nicaragua.....	0.01	(s)	(s)	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total.....	0.16	0.15	0.13	0.14	0.13	0.14	0.15	0.15	0.17	0.18
Western Europe										
Belgium.....	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Denmark.....	(s)	(s)	(s)	(s)	0.01	0.01	0.01	0.01	0.01	0.01
France.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Germany.....	--	--	--	--	--	(s)	(s)	(s)	0.01	0.01
Germany, West.....	0.00	0.00	(s)	(s)	(s)	--	--	--	--	--
Greece.....	0.00	(s)	(s)	0.00	(s)	0.00	(s)	(s)	(s)	(s)
Iceland.....	(s)	(s)	0.01	0.01	0.01	0.01	(s)	0.01	0.01	0.01
Ireland.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Italy.....	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.08	0.07	0.07
Netherlands.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Norway.....	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)
Portugal.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Spain.....	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)	(s)
Sweden.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Switzerland.....	0.00	0.00	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)
Turkey.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
United Kingdom.....	(s)	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	0.07	0.07	0.08	0.08	0.08	0.08	0.10	0.11	0.12	0.12
Eastern Europe & Former U.S.S.R.										
Romania.....	(s)	(s)	(s)	(s)	(s)	0.00	0.00	0.00	0.00	0.00
Former U.S.S.R.....	0.00	0.00	0.00	(s)	(s)	(s)	--	--	--	--
Russia.....	--	--	--	--	--	--	(s)	(s)	(s)	(s)
Total.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Middle East										
Jordan.....	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	0.00	0.00	0.00	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Africa										
Ethiopia.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Kenya.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total.....	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Far East & Oceania										
Australia.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(s)	(s)
India.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Indonesia.....	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Japan.....	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.06
New Zealand.....	0.02	0.02	0.03	0.04	0.04	0.04	0.05	0.04	0.04	0.04
Philippines.....	0.09	0.09	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12
Vietnam.....	(s)	(s)	(s)	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Total.....	0.16	0.16	0.18	0.19	0.21	0.22	0.22	0.23	0.23	0.26
World Total.....	0.71	0.73	0.73	1.22	1.33	1.42	1.51	1.57	1.60	1.62

¹ Preliminary.

² There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

-- Not applicable.

(s) = Value less than 5 trillion Btu.

Notes: Sum of components may not equal total due to independent rounding.

Generation data consist of both utility and nonutility sources. Data are reported as net generation as opposed to gross. Net generation excludes the energy consumed by the generating unit.

Sources: See sources at the end of Section 6.

Appendix G

World Production of Crude Oil, Natural Gas Plant Liquids (NGPL), Other Liquids, and Refinery Processing Gain

Table G1 World Production of Crude Oil, NGPL, and Other Liquids, 1986 - 1995
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	1,802	1,902	1,997	1,970	1,979	1,979	2,065	2,186	2,275	2,386
Mexico.....	2,787	2,886	2,882	2,904	2,981	3,137	3,123	3,132	3,146	3,064
United States.....	10,289	10,009	9,818	9,219	8,994	9,168	8,996	8,836	8,645	8,626
Total.....	14,878	14,797	14,697	14,093	13,955	14,284	14,185	14,154	14,066	14,076
Central & South America										
Argentina.....	465	464	484	487	510	515	583	629	694	757
Barbados.....	2	1	1	1	1	1	1	1	1	1
Bolivia.....	23	23	24	25	26	26	28	29	30	38
Brazil.....	713	741	718	761	790	808	793	806	836	850
Chile.....	41	40	34	32	32	28	26	26	24	23
Colombia.....	310	391	382	411	448	425	439	461	455	593
Cuba.....	20	20	17	17	16	16	18	22	26	28
Ecuador.....	295	176	304	281	287	301	324	353	374	401
Guatemala.....	5	4	3	4	4	4	5	7	8	10
Peru.....	179	165	142	130	130	116	117	127	129	131
Suriname.....	2	2	3	4	4	4	5	5	6	7
Trinidad and Tobago.....	168	157	157	154	150	154	142	135	132	131
Venezuela.....	1,884	1,846	2,001	2,015	2,251	2,492	2,484	2,593	2,734	2,899
Total.....	4,107	4,030	4,271	4,323	4,649	4,890	4,967	5,195	5,450	5,870
Western Europe										
Austria.....	23	22	24	24	23	27	24	22	22	24
Denmark.....	76	97	99	117	121	143	163	174	185	186
France.....	74	77	79	77	72	69	70	68	69	62
Germany.....	--	--	--	--	--	95	85	81	79	79
Germany, East.....	1	1	1	1	1	--	--	--	--	--
Germany, West.....	109	104	112	104	104	--	--	--	--	--
Greece.....	27	26	23	19	17	17	14	12	11	10
Italy.....	52	69	92	84	89	82	86	86	89	97
Netherlands.....	104	98	88	77	84	84	67	67	103	87
Norway.....	923	1,077	1,233	1,628	1,782	1,984	2,324	2,450	2,624	2,905
Spain.....	45	40	37	30	27	33	31	24	21	17
Sweden.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Turkey.....	46	51	50	56	73	88	84	76	72	67
United Kingdom.....	2,691	2,568	2,391	1,942	1,928	1,938	1,986	2,084	2,593	2,756
Former Yugoslavia.....	88	90	86	78	74	68	--	--	--	--
Croatia.....	--	--	--	--	--	--	42	43	46	40
Serbia and Montenegro.....	--	--	--	--	--	--	23	23	24	22
Total.....	4,259	4,320	4,316	4,238	4,395	4,629	4,999	5,210	5,938	6,350
Eastern Europe & Former U.S.S.R.										
Albania.....	55	54	44	47	30	19	11	11	12	10
Bulgaria.....	6	6	4	5	4	1	1	1	1	1
Former Czechoslovakia.....	3	3	3	3	2	3	2	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	2	3	3
Slovakia.....	--	--	--	--	--	--	--	1	1	1
Hungary.....	62	57	62	51	55	47	46	45	50	46
Poland.....	5	4	4	3	2	3	3	5	5	5
Romania.....	236	230	206	193	171	148	143	137	142	141
Former U.S.S.R.....	12,335	12,480	12,503	12,140	11,400	10,412	--	--	--	--
Azerbaijan.....	--	--	--	--	--	--	222	208	192	182
Belarus.....	--	--	--	--	--	--	40	40	40	38
Georgia.....	--	--	--	--	--	--	3	2	2	4
Kazakhstan.....	--	--	--	--	--	--	530	490	415	414
Kyrgyzstan.....	--	--	--	--	--	--	2	2	2	2
Lithuania.....	--	--	--	--	--	--	0	2	3	3
Russia.....	--	--	--	--	--	--	7,862	6,950	6,335	6,175
Tajikistan.....	--	--	--	--	--	--	1	1	1	2
Turkmenistan.....	--	--	--	--	--	--	110	90	85	81
Ukraine.....	--	--	--	--	--	--	95	87	85	85
Uzbekistan.....	--	--	--	--	--	--	66	85	115	160
Total.....	12,702	12,834	12,827	12,442	11,664	10,633	9,137	8,159	7,487	7,353

See footnotes at end of table.

Table G1 World Production of Crude Oil, NGPL, and Other Liquids, 1986 - 1995 (Continued)
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Middle East										
Bahrain.....	52	51	52	51	47	43	44	53	54	51
Iran.....	2,050	2,318	2,260	2,837	3,123	3,362	3,479	3,595	3,673	3,703
Iraq.....	1,700	2,089	2,705	2,951	2,070	305	425	527	573	585
Israel.....	1	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	1	1	1	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Kuwait.....	1,494	1,680	1,592	1,888	1,240	190	1,092	1,905	2,110	2,152
Oman.....	564	588	623	651	695	708	746	781	816	861
Qatar.....	330	317	376	404	446	445	478	468	465	538
Saudi Arabia.....	5,255	4,683	5,585	5,567	7,030	8,795	9,045	8,902	8,818	8,933
Syria.....	195	231	266	342	390	494	483	562	568	619
United Arab Emirates.....	1,515	1,686	1,695	1,990	2,252	2,532	2,410	2,305	2,343	2,439
Yemen.....	10	20	173	194	193	197	182	220	335	345
Total.....	13,167	13,664	15,328	16,876	17,487	17,071	18,384	19,318	19,754	20,227
Africa										
Algeria.....	1,065	1,188	1,160	1,225	1,305	1,370	1,354	1,307	1,320	1,347
Angola.....	282	360	452	455	475	500	526	509	536	646
Benin.....	8	7	5	4	4	4	6	6	6	3
Cameroon.....	177	174	163	170	161	153	140	127	108	100
Congo.....	119	123	144	164	165	156	174	181	180	188
Cote d'Ivoire (Ivory Coast).....	20	18	12	2	2	2	2	1	7	8
Egypt.....	837	921	883	910	913	919	926	945	954	980
Equatorial Guinea.....	0	0	0	0	0	(s)	2	5	5	7
Gabon.....	166	155	159	208	270	294	298	313	329	345
Ghana.....	(s)	0	0	0	0	0	1	2	1	4
Libya.....	1,064	1,002	1,205	1,185	1,410	1,523	1,473	1,402	1,419	1,430
Morocco.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Nigeria.....	1,467	1,341	1,450	1,716	1,810	1,892	1,943	1,960	1,931	1,993
South Africa.....	60	65	60	70	70	70	104	165	171	180
Sudan.....	0	0	0	0	0	0	(s)	(s)	(s)	(s)
Tunisia.....	111	109	108	110	98	109	114	102	96	90
Zaire.....	32	32	30	28	29	28	26	25	26	30
Total.....	5,409	5,495	5,831	6,247	6,712	7,021	7,089	7,048	7,088	7,352
Far East & Oceania										
Australia.....	580	612	605	555	638	606	591	558	592	614
Bangladesh.....	1	1	1	1	1	1	1	1	2	1
Brunei.....	181	150	148	142	160	171	177	178	180	170
Burma.....	24	17	14	16	14	16	15	16	16	17
China.....	2,620	2,690	2,730	2,757	2,774	2,835	2,845	2,890	2,939	2,990
India.....	635	616	644	710	670	625	589	564	635	750
Indonesia.....	1,420	1,373	1,372	1,481	1,539	1,668	1,579	1,589	1,590	1,579
Japan.....	15	14	14	13	14	18	20	19	18	18
Malaysia.....	513	508	551	596	631	658	666	657	662	702
New Zealand.....	41	42	50	54	56	56	55	68	74	71
Pakistan.....	42	42	45	48	62	64	64	63	58	62
Papua New Guinea.....	0	0	0	0	0	(s)	53	126	110	100
Philippines.....	8	6	6	5	5	3	8	9	6	3
Taiwan.....	4	5	4	4	4	3	3	2	2	2
Thailand.....	51	47	52	51	57	59	65	67	78	89
Vietnam.....	1	5	15	32	50	80	106	120	141	173
Total.....	6,136	6,129	6,251	6,465	6,675	6,863	6,838	6,928	7,103	7,341
World Total.....	60,658	61,269	63,521	64,683	65,537	65,390	65,599	66,012	66,886	68,568

¹ Preliminary.

-- Not applicable.

(s) = Value less than 500 barrels per day.

Notes: NGPL are natural gas plant liquids. Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 3.

Table G2 World Production of Crude Oil, NGPL, Other Liquids, and Refinery Processing Gain, 1986 - 1995
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
North America										
Canada.....	1,845	1,950	2,042	2,027	2,025	2,032	2,125	2,241	2,328	2,448
Mexico.....	2,815	2,914	2,910	2,932	3,009	3,165	3,151	3,160	3,174	3,092
United States.....	10,905	10,648	10,473	9,880	9,677	9,883	9,768	9,602	9,413	9,400
Total.....	15,565	15,512	15,425	14,839	14,712	15,080	15,045	15,003	14,915	14,940
Central & South America										
Argentina.....	470	469	489	492	515	520	588	634	699	762
Barbados.....	2	1	1	1	1	1	1	1	1	1
Bolivia.....	23	23	24	25	26	26	28	29	30	38
Brazil.....	726	754	731	774	803	821	806	819	849	863
Chile.....	42	41	35	33	33	29	27	27	25	24
Colombia.....	312	393	384	413	450	427	441	463	457	595
Cuba.....	20	20	17	17	16	16	18	22	26	28
Dominican Republic.....	1	1	1	1	1	1	1	1	1	1
Ecuador.....	298	177	305	282	288	302	325	354	375	402
Guatemala.....	5	4	3	4	4	4	5	7	8	10
Netherlands Antilles.....	6	6	6	6	6	6	6	6	6	6
Panama.....	1	1	1	1	1	1	1	1	1	1
Peru.....	181	167	144	132	132	118	119	129	131	133
Puerto Rico.....	0	0	0	0	0	0	0	0	0	0
Suriname.....	2	2	3	4	4	4	5	5	6	7
Trinidad and Tobago.....	171	160	160	157	153	157	145	138	135	134
Venezuela.....	1,901	1,863	2,018	2,032	2,268	2,509	2,501	2,610	2,751	2,916
Virgin Islands, U.S.....	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Total.....	4,159	4,082	4,323	4,375	4,702	4,942	5,019	5,247	5,503	5,922
Western Europe										
Austria.....	25	24	26	26	25	29	26	24	24	26
Belgium.....	12	12	12	12	12	12	12	12	12	12
Denmark.....	80	101	103	121	125	147	167	178	189	190
France.....	114	117	119	120	115	113	112	111	112	105
Germany.....	--	--	--	--	--	141	132	137	135	135
Germany, East.....	1	1	1	1	1	--	--	--	--	--
Germany, West.....	147	147	158	156	151	--	--	--	--	--
Greece.....	30	29	26	22	20	20	17	15	14	13
Ireland.....	1	1	1	1	1	1	1	1	1	1
Italy.....	90	107	130	122	133	124	155	147	150	158
Netherlands.....	138	132	122	111	118	118	101	101	137	121
Norway.....	926	1,080	1,236	1,631	1,785	1,987	2,327	2,453	2,627	2,908
Portugal.....	2	2	2	2	2	2	2	2	2	2
Spain.....	59	54	51	44	41	47	45	38	35	31
Sweden.....	4	4	4	4	4	4	4	4	4	4
Switzerland.....	1	1	1	1	1	1	1	1	1	1
Turkey.....	50	55	54	60	77	92	88	80	76	71
United Kingdom.....	2,746	2,611	2,440	1,991	1,977	1,986	2,032	2,129	2,638	2,801
Former Yugoslavia.....	88	90	86	78	74	68	--	--	--	--
Croatia.....	--	--	--	--	--	--	42	43	46	40
Serbia and Montenegro.....	--	--	--	--	--	--	23	23	24	22
Slovenia.....	--	--	--	--	--	--	0	(s)	(s)	(s)
Total.....	4,514	4,568	4,573	4,504	4,662	4,893	5,287	5,499	6,227	6,640

See footnotes at end of table.

Table G2 World Production of Crude Oil, NGPL, Other Liquids, and Refinery Processing Gain, 1986 - 1995 (Cont.)
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Eastern Europe & Former U.S.S.R.										
Albania.....	55	54	44	47	30	19	11	11	12	10
Bulgaria.....	6	6	4	5	4	1	1	1	1	1
Former Czechoslovakia.....	3	3	3	3	2	3	2	--	--	--
Czech Republic.....	--	--	--	--	--	--	--	2	3	3
Slovakia.....	--	--	--	--	--	--	--	1	1	1
Hungary.....	62	57	62	51	55	47	46	45	50	46
Poland.....	5	4	4	3	2	3	3	5	5	5
Romania.....	236	230	206	193	171	148	143	137	142	141
Former U.S.S.R.....	12,335	12,480	12,503	12,140	11,400	10,412	--	--	--	--
Azerbaijan.....	--	--	--	--	--	--	222	208	192	182
Belarus.....	--	--	--	--	--	--	40	40	40	38
Georgia.....	--	--	--	--	--	--	3	2	2	4
Kazakstan.....	--	--	--	--	--	--	530	490	415	414
Kyrgyzstan.....	--	--	--	--	--	--	2	2	2	2
Lithuania.....	--	--	--	--	--	--	0	2	3	3
Russia.....	--	--	--	--	--	--	7,862	6,950	6,335	6,175
Tajikistan.....	--	--	--	--	--	--	1	1	1	2
Turkmenistan.....	--	--	--	--	--	--	110	90	85	81
Ukraine.....	--	--	--	--	--	--	95	87	85	85
Uzbekistan.....	--	--	--	--	--	--	66	85	115	160
Total.....	12,702	12,834	12,827	12,442	11,664	10,633	9,137	8,159	7,487	7,353
Middle East										
Bahrain.....	53	52	53	52	48	44	45	54	55	52
Iran.....	2,062	2,330	2,272	2,849	3,135	3,374	3,491	3,607	3,685	3,715
Iraq.....	1,704	2,093	2,709	2,955	2,074	305	426	528	574	586
Israel.....	1	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Jordan.....	1	1	1	(s)	(s)	(s)	(s)	(s)	(s)	(s)
Kuwait.....	1,503	1,689	1,601	1,897	1,245	190	1,096	1,909	2,114	2,156
Oman.....	564	588	623	651	695	708	746	781	816	861
Qatar.....	331	318	377	405	447	446	479	469	466	539
Saudi Arabia.....	5,270	4,698	5,600	5,582	7,045	8,810	9,060	8,917	8,833	8,948
Syria.....	195	231	266	342	390	494	483	562	568	619
United Arab Emirates.....	1,518	1,689	1,698	1,993	2,255	2,535	2,413	2,308	2,346	2,442
Yemen.....	10	20	173	194	193	197	182	220	335	345
Total.....	13,212	13,709	15,373	16,921	17,528	17,103	18,421	19,355	19,791	20,264
Africa										
Algeria.....	1,066	1,189	1,161	1,226	1,306	1,371	1,355	1,308	1,321	1,348
Angola.....	282	360	452	455	475	500	526	509	536	646
Benin.....	8	7	5	4	4	4	6	6	6	3
Cameroon.....	177	174	163	170	161	153	140	127	108	100
Congo.....	119	123	144	164	165	156	174	181	180	188
Cote d'Ivoire (Ivory Coast).....	21	19	13	3	3	3	3	2	8	9
Egypt.....	838	922	884	911	914	920	927	946	955	981
Equatorial Guinea.....	0	0	0	0	0	(s)	2	5	5	7
Gabon.....	167	156	160	209	271	295	299	314	330	346
Ghana.....	(s)	0	0	0	0	0	1	2	1	4
Kenya.....	1	1	1	1	1	1	1	1	1	1
Libya.....	1,064	1,002	1,205	1,185	1,410	1,523	1,473	1,402	1,419	1,430
Morocco.....	1	1	1	1	1	1	1	1	1	1
Nigeria.....	1,472	1,346	1,455	1,721	1,815	1,897	1,948	1,965	1,936	1,998
South Africa.....	62	67	62	72	72	72	106	167	173	182
Sudan.....	0	0	0	0	0	0	(s)	(s)	(s)	(s)
Tunisia.....	111	109	108	110	98	109	114	102	96	90
Zaire.....	32	32	30	28	29	28	26	25	26	30
Total.....	5,422	5,508	5,844	6,260	6,725	7,034	7,102	7,061	7,101	7,365

See footnotes at end of table.

Table G2 World Production of Crude Oil, NGPL, Other Liquids, and Refinery Processing Gain, 1986 - 1995 (Cont.)
(Thousand Barrels per Day)

Region Country	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995 ¹
Far East & Oceania										
Australia.....	593	625	618	568	651	619	604	572	606	627
Bangladesh.....	1	1	1	1	1	1	1	1	2	1
Brunei.....	181	150	148	142	160	171	177	178	180	170
Burma.....	24	17	14	16	14	16	15	16	16	17
China.....	2,620	2,690	2,730	2,757	2,774	2,835	2,845	2,890	2,939	2,990
India.....	639	620	648	714	674	629	593	568	639	754
Indonesia.....	1,419	1,372	1,369	1,478	1,536	1,665	1,576	1,586	1,587	1,576
Japan.....	46	70	76	73	74	76	79	82	81	81
Korea, South.....	3	3	3	3	3	3	3	3	3	3
Malaysia.....	514	509	552	597	632	659	667	658	663	703
New Zealand.....	42	43	51	55	57	57	56	70	76	72
Pakistan.....	43	43	46	49	63	65	65	64	59	63
Papua New Guinea.....	0	0	0	0	0	(s)	53	126	110	100
Philippines.....	9	7	7	6	6	4	9	10	7	4
Singapore.....	4	4	4	4	4	4	4	4	4	4
Taiwan.....	6	7	6	6	6	5	5	4	4	4
Thailand.....	52	48	53	52	58	60	66	68	79	90
Vietnam.....	1	5	15	32	50	80	106	120	141	173
Total.....	6,197	6,215	6,342	6,553	6,763	6,950	6,926	7,020	7,195	7,433
World Total.....	61,771	62,429	64,707	65,894	66,756	66,634	66,937	67,345	68,218	69,916

¹ Preliminary.

-- Not applicable.

(s) = Value less than 500 barrels per day.

Notes: NGPL are natural gas plant liquids. Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 3.

Table G3 World Oil Supply From Refinery Processing Gain and Other Liquids, 1994
(Thousand Barrels per Day)

Region Country	Refinery Processing Gain	Other Liquids
North America		
Canada.....	53	0
Mexico.....	28	0
United States.....	768	257
Total.....	849	257
Central & South America		
Argentina.....	5	0
Brazil.....	13	130
Chile.....	1	0
Colombia.....	2	0
Dominican Republic.....	1	0
Ecuador.....	1	0
Netherlands Antilles.....	6	0
Panama.....	1	0
Peru.....	2	0
Trinidad and Tobago.....	3	0
Venezuela.....	17	0
Virgin Islands, U.S.....	(s)	0
Total.....	52	130
Western Europe		
Austria.....	2	0
Belgium.....	12	0
Denmark.....	4	0
France.....	43	0
Germany.....	56	20
Greece.....	3	0
Ireland.....	1	0
Italy.....	61	2
Netherlands.....	34	0
Norway.....	3	0
Portugal.....	2	0
Spain.....	14	0
Sweden.....	4	0
Switzerland.....	1	0
Turkey.....	4	0
United Kingdom.....	45	0
Total.....	289	23
Middle East		
Bahrain.....	1	0
Iran.....	12	0
Iraq.....	1	0
Kuwait.....	4	0
Qatar.....	1	0
Saudi Arabia.....	15	0
United Arab Emirates.....	3	0
Total.....	37	0
Africa		
Algeria.....	1	0
Cote d'Ivoire (Ivory Coast).....	1	0
Egypt.....	1	0
Gabon.....	1	0
Kenya.....	1	0
Morocco.....	1	0
Nigeria.....	5	0
South Africa.....	2	160
Total.....	13	160

See footnotes at end of table.

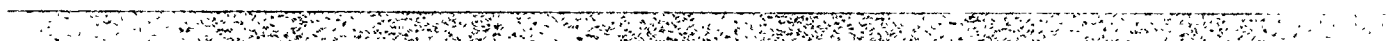
Table G3 World Oil Supply From Refinery Processing Gain and Other Liquids, 1994 (Continued)
(Thousand Barrels per Day)

Region Country	Refinery Processing Gain	Other Liquids
Far East & Oceania		
Australia.....	13	0
India.....	4	0
Indonesia.....	-3	0
Japan.....	63	3
Korea, South.....	3	0
Malaysia.....	1	0
New Zealand.....	1	30
Pakistan.....	1	0
Philippines.....	1	0
Singapore.....	4	0
Taiwan.....	2	0
Thailand.....	1	0
Total.....	92	32
World Total.....	1,332	602

(s) = Value less than 500 barrels per day.

Note: Sum of components may not equal total due to independent rounding.

Sources: See sources at the end of Section 3.



Glossary

Glossary

Alcohol: The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}-(\text{CH})_n-\text{OH}$. Alcohol includes methanol and ethanol.

Anthracite Coal: Anthracite, or hard coal, is the highest rank of economically usable coal. It is jet black with a high luster. The moisture content generally is less than 15 percent. It usually has a high fixed carbon and ash content and is low in volatile matter. It is a non-coking coal.

API: The American Petroleum Institute, a trade association.

API Gravity: An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API. A lighter, less dense product has a higher API gravity.

Apparent Consumption (Coal): Primary coal production plus imports of coal and coke, minus exports of coal and coke plus or minus stock changes of coal and coke. Note: In the United States apparent consumption is reported data by major end-use sectors.

Apparent Consumption (Natural Gas): Dry natural gas production plus imports minus exports plus or minus stock changes.

Apparent Consumption (Petroleum): Includes internal consumption, refinery fuel and loss, and bunkering. Also included, where available, are liquefied petroleum gases sold directly from natural gas processing plants for fuel or chemical uses.

Asphalt (Natural): A natural mineral pitch, tar, or bitumen composed principally of hydrocarbons, a natural bituminous rock of dark color comparatively hard and nonvolatile. Does not include asphalt, bitumen, tar, etc., derived from petroleum processing.

Asphalt (Refined): A dark brown to black solid or semi-solid material obtained from petroleum processing in which the predominant component is bitumen. Used mainly in road construction.

Associated Gas: Gas produced in a field containing both oil and gas. The field is developed primarily for extraction of crude oil.

ASTM: The American Society for Testing and Materials.

Barrel (Petroleum): A unit of volume equal to 42 U.S. gallons.

Bitumen: A naturally occurring viscous mixture, mainly of hydrocarbons heavier than pentane, that may contain sulfur compounds and that, in its natural occurring viscous state, is not recoverable at a commercial rate through a well.

Bituminous Coal: Bituminous coal is the most common coal. It is dense, black, often with well defined bands of bright and dull materials. Its moisture content usually is less than 20 percent. It is used for generating electricity, making coke, and space heating.

British Thermal Unit (Btu): The quantity of heat needed to raise the temperature of 1 pound of water by 1 degree Fahrenheit at or near 39.2 degrees Fahrenheit.

Bunkers: Fuels supplied to ships and aircraft in international transportation, irrespective of the flag of the carrier, consisting primarily of residual, distillate, and jet fuel oils.

Butane: A normally gaseous straight-chain or branch-chain hydrocarbon, (C_4H_{10}). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is covered by ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Coal: A black or brownish-black solid, combustible substance formed by the partial decomposition of vegetable matter without access to air. The rank of coal, which includes anthracite, subanthracite, bituminous, subbituminous, and lignite, is based on fixed carbon, volatile matter, coking and coking properties, and heating value. Coal rank includes the progressive alteration, or coalification, from lignite to anthracite.

Coal Briquets: Anthracite, bituminous, and lignite briquets comprise the secondary solid fuels manufactured from coal by a process in which the coal is partly dried, warmed to expel excess moisture, and then compressed into briquets, usually without the use of a binding substance. In the reduction of briquets to coal equivalent, different conversion factors are applied according to their origin from hard coal, peat, brown coal, or lignite.

Coal Production: The sum of sales, mine consumption, issues to miners, and issues to coking, briquetting, and other ancillary plants at mines. Production data include quantities extracted from surface and underground working, and normally exclude wastes removed at mines or associated preparation plants.

Coke (Coal): In general, coke is made from bituminous coal (or blends of bituminous coal) from which the volatile constituents are driven off by baking in an oven at temperatures as high as 2,000 degrees Fahrenheit, so that the fixed carbon and ash are fused together. Coke is hard and porous, has gray submetallic luster, and is strong enough to support a load of iron ore in a blast furnace. It is used both as a fuel and a reducing agent in smelting iron ore in a blast furnace.

Conventional Thermal Electricity Generation: Electricity generated by an electric power plant using coal, petroleum, or gas as its source of energy.

Conversion Factor: A number that translates units of one system into corresponding values of another system. Conversion factors can be used to translate physical units of measure for various fuels into Btu equivalents.

Crude Oil (including Lease Condensate): A mixture of hydrocarbons that exists in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale. Drip gases are also included, but topped crude oil (residual) and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable.

Crude Oil Production: The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water.

Distillate Fuel Oil: A general classification for one of the petroleum fractions produced in conventional distillation

operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

Domestic Inland Consumption (Petroleum): Domestic inland consumption is the sum of all refined petroleum products supplied for domestic use (excludes international marine bunkers). Consumption is calculated by product by adding production, imports, crude oil burned directly, and refinery fuel and losses, and then subtracting exports and changes in primary stocks (net withdrawals is a plus quantity and net additions is a minus quantity).

Electricity Installed Capacity: The maximum load that a generating unit, generating station, or other electrical apparatus can carry under specified conditions for a given period of time and not limited by existing service conditions.

Ethane: A normally gaseous straight-chain hydrocarbon, (C_2H_6). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

Gasohol: A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol.

Gasoline, Aviation: All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G5572. Excludes blending components that will be used in blending or compounding into finished aviation gasoline.

Gasoline Blending Components: Finished components in the gasoline range that will be used for blending or compounding into finished aviation or motor gasoline.

Gasoline, Motor (Leaded): Contains more than 0.05 grams of lead per gallon or more than 0.005 grams of phosphorus per gallon. The actual lead content of any given gallon may vary. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasoline, Motor (Unleaded): Contains not more than 0.05 grams of lead per gallon and not more than 0.005 grams of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blendstock is excluded until

blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Geothermal Electric Power Generation: Electricity derived from heat found under the earth's surface. Within the earth, there are vast amounts of molten rock and metal, covered by succeeding layers of cooler material, up to the crust of the earth's surface. Underground rivers generate steam which is liberated in the form of geysers through fissures in the earth's surface.

Gross Electricity Generation: The total amount of electric energy produced by a generating facility, as measured at the generator terminals.

Hydroelectric Power Generation: Electricity generated by an electric power plant whose turbines are driven by falling water. It includes electric utility and industrial generation of hydroelectricity, unless otherwise specified. Generation is reported on a net basis, i. e., on the amount of electric energy generated after the electric energy consumed by station auxiliaries and the losses in the transformers that are considered integral parts of the station are deducted.

Jet Fuel (Kerosene-type): A quality kerosene product with an average gravity of 40.7 degrees API, and a 10 percent distillation temperature of 400 degrees Fahrenheit. It is covered by ASTM Specification D1655 and Military Specification MIL-T-5G24L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type; it is used primarily for commercial turbojet and turboprop aircraft engines.

Jet Fuel (Naphtha-type): A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Joule: The meter-kilogram-second unit of work or energy, equal to the work done by a force of one newton when its point of application moves through a distance of one meter in the direction of the force; equivalent to 10^7 and one watt-second.

Kerosene: Light hydrocarbon distillates in the 150 degrees to 280 degrees Centigrade (300 degrees to 550 degrees Fahrenheit) distillation range. Includes vaporizing oil for use in reciprocating engines (primarily tractors), lamp oil, and kerosene and heating oil.

Kilowatt (kW): One thousand watts.

Kilowatthour (kWh): One thousand watthours.

Lease Condensate: A liquid recovered from natural gas at the well or at small gas/oil separators in the field. Consists primarily of pentanes and heavier hydrocarbons. Also called field condensate. Does not include plant condensate.

Lignite: Lignite, the lowest rank of coal, is a young coal. It is brownish black in color and has a high moisture content, sometimes as high as 45 percent, and a high ash content. It tends to disintegrate when exposed to the weather. The heat content of lignite is one of the lower coals, usually less than 5700 Kcal/kg.

Liquefied Natural Gas (LNG): Conventional natural gas which is liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure. The volume of the LNG is 1/600 that of the gas in its vapor state.

Liquefied Petroleum Gases (LPG): Ethane, ethylene, propane, propylene, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG): Liquefied petroleum fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane. Excludes still gas used for chemical or rubber manufacture, which is reported as petrochemical feedstock, and also excludes liquefied petroleum gases intended for blending into gasoline, which are reported as gasoline blending components.

Lubricants (Greases): Mixtures of lubricating oils that contain substances that reduce their ability to flow.

Lubricants (Lubricating Oils): Substances used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. "Lubricants" include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

Metallurgical Coke: A strong, hard coke produced mainly for use in the iron and steel industry, where it serves as a chemical agent and source of energy. It is used mainly in blast furnaces to absorb the oxygen contained in iron oxides and provide energy for smelting. A portion of its potential energy is captured in the gases generated in the smelting process, then recycled in the form of blast furnace gas to provide additional energy inside or outside the smelting process. Metallurgical coke is also used to some extent as a domestic fuel and as a raw material for the manufacture of gas.

Naphthas: Refined or partly refined light distillates with an approximate boiling point range of 27 degrees to 221 degrees Centigrade. Blended further or mixed with other materials, they make high-grade motor gasoline or jet fuel. Also used as solvents, petrochemical feedstocks, or as raw materials for the production of town gas.

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

Natural Gas Dry Production: Gross withdrawals of natural gas from reservoirs less gas used for reinjection into reservoirs for repressuring, gas which is flared or vented, gas lost in transmission, and shrinkage. Derived by subtracting shrinkage or extraction loss from marketed production. It represents the amount of natural gas that can be marketed and consumed as a gas.

Natural Gas Gross Production: Total withdrawals of natural gas from oil/gas and gas reservoirs.

Natural Gas Liquids (NGL): Those portions of reservoir gas which are liquefied at the surface in lease separators, field facilities, or natural gas processing plants. Natural gas liquids include natural gas plant liquids and lease condensate.

Natural Gas Marketed Production: Gross withdrawals of natural gas from reservoirs less gas used for reinjection into reservoirs for repressuring, gas that is flared and/or vented, and gas that is lost in transmission before the natural gas liquids have been extracted.

Natural Gas Plant Liquids (NGPL): Products obtained from processing natural gas at natural gas processing plants, including natural gasoline plants, cycling plants, and fractionators. Products obtained include ethane, liquefied petroleum gases, (propane, butane, propane-butane mixtures, and ethane-propane mixtures), isopentane, natural gasoline, unfractionated streams, plant condensate, and other minor quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Natural Gasoline: A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane, which is a saturated branch-chain hydrocarbon, (C_5H_{12}), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Net Electricity Consumption: Consumption of electricity computed as generation, plus imports, minus exports, minus transmission and distribution losses.

Net Electricity Generation: Gross generation less the electric energy consumed at the generating station for station use.

Nuclear Electric Power Generation: Electricity generated by nuclear reactors of various types such as heavy water, light water, and boiling water. Generation is reported on a net basis and excludes energy that is generally used by the electric power plant for its own operating purposes and not for commercial use.

Other Hydrocarbons: Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Paraffin (Oil): A light-colored, wax-free oil obtained by pressing paraffin distillate.

Paraffin (Wax): The wax removed from paraffin distillates by chilling and pressing. When separating from solutions, it is a colorless, more or less translucent, crystalline mass, without odor and taste, slightly greasy to touch, and consisting of a mixture of solid hydrocarbons in which the paraffin series predominates.

Petrochemical Feedstocks: Products from petroleum refineries and natural gas liquids processing plants to be processed further at a petrochemical plant. Includes products primarily in the naphtha range, still gas (refinery gas), and liquefied gases for petrochemical use.

Petroleum: A generic term applied to oil and oil products in all forms, such as crude oil, lease condensate, unfinished oils, refined petroleum products, natural gas plant liquids, and nonhydrocarbon compounds blended into finished petroleum products.

Petroleum Coke: A solid refinery residue; the final product of the condensation process in cracking. Includes green or calcined petroleum coke and coke deposited on catalysts.

Petroleum Jelly: A semi-solid oily product produced from de-waxing lubricating oil basestocks.

Petroleum Products: Products obtained from the processing of crude oil, unfinished oils, natural gas liquids, and other miscellaneous hydrocarbon compounds. Includes aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, ethane, liquefied petroleum gases, petrochemical feedstocks, special naphthas, lubricants,

paraffin wax, petroleum coke, asphalt and road oil, still gas, and other miscellaneous products.

Petroleum Stocks: Primary stocks of crude oil and petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

Plant Condensate (Petroleum): Mixture of hydrocarbons, mostly pentanes and heavier hydrocarbons, recovered at natural gas liquids processing plants. Does not include field or lease condensate.

Primary Coal: All coal milled and, when necessary, washed and sorted.

Propane: A normally gaseous straight-chain hydrocarbon, (C₃H₈). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D1835.

Proved Reserves of Coal: Proved reserves of coal are the estimated quantities, which analysis of geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions.

Proved Reserves of Crude Oil: Proved reserves of crude oil are the estimated quantities of all liquids defined as crude oil, which geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions.

Proved Reserves of Natural Gas: Proved reserves of natural gas are the estimated quantities which analysis of geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions.

Refinery Fuel: Crude oil and petroleum products consumed at the refinery for all purposes.

Refinery Losses and Gains (Petroleum): Processing gain and loss that takes place during the refining process itself. Excludes losses that do not take place during the refining process, e.g., spills, fire losses, and contamination during blending, transportation, or storage.

Refinery Processing Gain: The volumetric amount by which total refinery output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

Reinjected (Natural Gas): The forcing of gas under pressure into an oil reservoir in an attempt to increase recovery.

Residual Fuel Oil: The topped crude of refinery operations which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include "Imported Crude Oil Burned Directly as Fuel."

Road Oil: Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Secondary Coal: (e.g. coke, briquets) is derived from primary coal.

Short Ton (coal): A unit of weight equal to 2,000 pounds.

Shrinkage (Natural Gas): The volume of natural gas that is transformed into liquid products during processing, primarily at natural gas liquids processing plants.

Special Naphthas: All finished products within the gasoline range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point and have a boiling range of 90 degrees to 220 degrees Fahrenheit. "Special Naphthas" include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Still Gas (Refinery Gas): Any form or mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is reported for petrochemical feedstock use and/or refinery fuel use. The conversion factor from gas to barrels is 6.000 million Btu per fuel oil equivalent barrel.

Subbituminous Coal: Similar to the poorer grades of bituminous coal; low in carbon, high in volatile matter and moisture. Its energy value is somewhat below that of bituminous coal.

Transmission and Distribution Loss: Electric energy lost due to the transmission and distribution of electricity. Much of the loss is thermal in nature.

Unfinished Oils: Includes all oils requiring further processing, except those requiring only mechanical blending.

Vented/Flared (Natural Gas): The release (venting) or burning (flaring) of associated gas as a means of disposal.

Watt: The electrical unit of power. The rate of energy transfer equivalent to one ampere flowing under a pressure of one volt at unity power factor.

Watthour (Wh): An electrical energy unit of measure equal to 1 watt of power supplied to, or taken from, an electric circuit steadily for 1 hour.

Wax: A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is a light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series predominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline fully refined, and crystalline-other.

White Spirit: A highly refined distillate with a boiling point range of about 150 degrees to 200 degrees Centigrade. It is used as a paint solvent and for dry-cleaning purposes.

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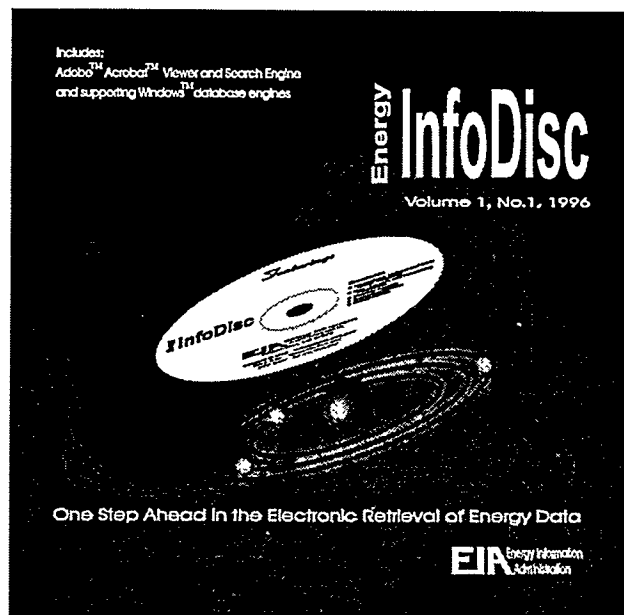
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