

# **INTERNATIONAL PETROLEUM STATISTICS REPORT**

**July 1996**



**Energy Information Administration  
Energy Markets and Contingency Information Division**

## Preface

The International Petroleum Statistics Report is a monthly publication that provides current international oil data. This report is published for the use of Members of Congress, Federal agencies, State agencies, industry, and the general public. Publication of this report is in keeping with responsibilities given the Energy Information Administration in Public Law 95-91 (Section 205(a)(2)) that states:

"The Administrator shall be responsible for carrying out a central, comprehensive, and unified energy data and information program which will collect, evaluate, assemble, analyze and disseminate data and information ..."

The International Petroleum Statistics Report presents data on international oil production, demand, imports, exports, and stocks. The report has four sections. Section 1 contains time series data on world oil production, and on oil demand and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1985, and monthly data for the most recent two years. Section 2 presents an oil supply/demand balance for the world. This balance is presented in quarterly intervals for the most recent two years. Section 3 presents data on oil imports by OECD countries. This section contains annual data for the most recent year, quarterly data for the most recent two quarters, and monthly data for the most recent twelve months. Section 4 presents annual time series data on world oil production and oil stocks, demand, and trade in OECD countries. World oil production and OECD demand data are for the years 1970 through 1995; OECD stocks from 1973 through 1995; and OECD trade from 1984 through 1994.

Data for the United States are developed by the Energy Information Administration's (EIA) Office of Oil and Gas. Data for other countries are derived largely from published sources, including International Energy Agency publications, the EIA International Energy Annual, and the trade press. (See sources after each section.) All data are reviewed by the International Statistics Branch of EIA. All data have been converted to units of measurement familiar to the American public. Definitions of oil production and consumption are consistent with other EIA publications.

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### NOTE

Annual revisions reflect changes to data that are now available on the EIA Home Page (<http://www.eia.doe.gov/emeu/world/main1.html>).

## Oil Market Chronology -- June 1996

*The following chronology lists international events of potential significance for world petroleum markets. Sources include: Dow Jones (DJ), Financial Times (FT), Platt's Oilgram News (PON), Wall Street Journal (WSJ), and the Washington Times (WT).*

- June 6** Representatives of the Organization of Petroleum Exporting Countries (OPEC) convene in Vienna. Overproduction by member countries, Gabon's departure from the organization, and Iraq's anticipated oil exports under U.N. Resolution 986 are the major issues discussed at the session. Iraq's production quota is raised by 800,000 barrels per day to 1.2 million barrels per day. Other member's production quotas remain unchanged, except for Gabon, which officially leaves OPEC as of January 1, 1995. (DJ, PON, WT)
- June 7** In Vietnam, Australia-based Ansoil announces the discovery of a potential 900-billion-cubic-foot natural gas field located onshore about 60 miles southeast of Hanoi. The find is unique because very few oil and gas exploration efforts have surveyed Vietnam's onshore or northern areas. The only other known onshore oil or gas field in Vietnam is the small 50-billion-cubic-foot Tien Hai gas field developed in the 1970s. It now supplies local industrial customers with about 10 million cubic feet per day of gas. (FT, DJ)
- June 11** Exxon states that it will soon begin work on its \$15-billion Sakhalin I oil and natural gas development in Russia's Far East. The Sakhalin I project will develop an estimated 5 billion barrels of oil and 15 trillion cubic feet of gas located in three offshore hydrocarbon fields. The \$300 million appraisal program will include drilling one exploration well and conducting a 3-D seismic survey. The U.S. company says that it will start working despite ongoing differences with the Russian government over the country's new production sharing law, which is widely viewed as not offering adequate legal protection for foreign investment in the country's oil and gas sectors. (FT)
- June 14** In Manila, the Philippine government announces that full deregulation of the downstream oil sector will occur by March 1997. This deregulation program calls for a complete phaseout of the Oil Price Buffer Fund, which has been used to protect consumers from world oil price fluctuations. Past increases in refined product prices, such as the 13 percent hike in February 1996, have resulted in physical threats against government officials. Freeing of prices will likely spur investment in the country's downstream sector by foreign companies like British Petroleum and Mobil. (FT)
- June 17** Petronas, Malaysia's state-owned oil and gas company, acquires a 30 percent stake in Engen, South Africa's domestic refining and retailing company. The acquisition price is \$436 million. The move will help to secure Petronas' downstream market access in southern Africa. (FT)
- The Middle East Economic Digest reports that Iraq's State Oil Marketing Organization will soon sign 3-month sales contracts with foreign oil companies. In another development, the United Nations (U.N.) selects France-based Banque Nationale de Paris to hold the escrow account for Iraqi oil sales, the proceeds of which will be used by the U.N. for humanitarian purposes. (DJ)
- In one of the few oil field development projects moving forward in Vietnam, Mitsubishi announces plans to bring its offshore Rang Dong field into production by May 1998. The 250 to 300 million barrel oil field is expected to come online with output of 45,000 barrels per day, with a later peak production rate of 100,000 barrels per day. The field will use a floating, production, storage, and offloading vessel to decrease capital costs. The Rang Dong project announcement comes amidst difficulties recently encountered by foreign companies with other oil field developments, such as Australia's BHP at Dai Hung, Mobil at Thanh Long, and Petronas at the Ruby field. (DJ)
- June 19** The U.S. House of Representatives passes a bill calling for the imposition of punitive sanctions on foreign companies which invest over \$40 million in Iran's oil industry. The bill also penalizes companies and individuals who sell weapons or oil equipment to Libya. The U.S. Senate already has approved a similar measure. President Clinton is expected to support the bill after a committee works out differences between the House and Senate versions of the measure. (DJ)

- June 20** The Venezuelan Congress approves eight, multi-billion dollar, profit-sharing deals which allow foreign oil companies to explore for and produce oil in Venezuela for the first time since the country's 1976 nationalization of the oil industry. The deals could boost Venezuela's current oil production by 500,000 barrels per day by 2005. Foreign oil companies, such as Amoco and British Petroleum, are expected to sign final deals with state-owned PDVSA within 10 days and may begin working on their new acreage by the third quarter of 1996. The eight blocks are estimated to hold between 7 and 11 billion barrels of light crude oil reserves. (PON, DJ)
- In Ecuador, U.S.-based Arco announces that it will build a 105-mile secondary crude oil pipeline to connect its Villano field to the main 350,000-barrel-per-day Trans-Ecuadorean export pipeline. This move is significant because it follows the Ecuadorean government's recent abandonment of a 100,000-barrel-per-day expansion of the Trans-Ecuadorean pipeline. The proposed expansion would have boosted the country's ability to carry heavier crude oil from the Amazonian Oriente region, where the Villano field is situated. After coming online in 1999, Arco's new pipeline will transport up to 80,000 barrels per day of heavy, 21° API crude oil. (DJ)
- June 21** The Brazilian government says it will create an independent organization to regulate foreign and domestic investment in the country's oil sector. In November 1995, a constitutional amendment was passed ending state-owned Petrobras' monopoly over Brazil's oil industry. However, no legal framework has been developed to allow for foreign investment, especially in upstream oil exploration and production. Brazil currently produces approximately 785,000 barrels per day of oil, enough to meet only about half of domestic demand. Foreign investment is viewed as a necessity to increase domestic production so as to meet as much of future consumption requirements, which are projected to rise to 2.3 million barrels per day by 2005, as possible. (DJ)
- In Lima, the Peruvian Defense Ministry states that between 8,000 and 10,000 Ecuadorean troops have moved into the northern Cordillera del Condor demilitarized zone. Border skirmishes have occurred in the region ever since a 1942 war between Peru and Ecuador, in which the latter country lost over half of its territory. The most recent conflict took place in early 1995, resulting in the death and injury of over 1,000 soldiers from both sides. The Cordillera del Condor region lies near Peru's Block 1A-B, which accounts for about half of Peru's 125,000 barrels per day of oil output. (DJ)
- June 24** China National Petroleum Corporation (CNPC) states that oil production from the Tarim Basin, which is located in China's western Xinjiang Uygur Autonomous Region, will reach 64,000 barrels per day in 1996. This represents a 25 percent rise in output as compared to 1995. By 2005, CNPC predicts that the Tarim Basin will become the country's second largest oil production region after Daqing. (PON, DJ)
- Following a failure to obtain long-term gas purchase agreements with power producers, U.S.-based Tenneco suspends its plan to build a \$689-million, 750-mile pipeline to carry Argentinean natural gas over the Andes to Chile. Canada's NovaGas currently is building a competing \$350-million, 290-mile natural gas pipeline to link the two countries. However, NovaGas' pipeline has provoked criticism by environmental groups and local residents, who recently demonstrated along the main highway near Santiago that provides access to the pipeline route. (PON, WSJ)
- Qatar's government and Arco sign an agreement to bring the offshore al-Rayyan oil field online in September 1996. A test well drilled at al-Rayyan in September 1995 resulted in a flow rate of 10,000 barrels per day. Initial output of 35,000 barrels per day will come from temporary production facilities. A determination of whether to install permanent platforms will be made by mid-1997. Qatar currently produces about 500,000 barrels per day, more than 30 percent above the country's OPEC quota of 378,000 barrels per day. (DJ)
- June 27** In Bolivia, Enron agrees to a revised contract for its role in the construction of a \$1.5-billion pipeline to transport Bolivian natural gas to markets in southeastern Brazil. The revision substantially decreases Enron's profit margin and requires that the U.S. company have all financing completed and construction begun by June 15, 1997. The changes come after critics charged that the original 1994 contract was contrary to Bolivia's national interests. (WSJ)

**June 27**

Following arrests of pro-democracy activists by Burma's military government, the U.S. Senate Appropriations Committee approves mandatory unilateral sanctions against Burma. In September 1996, the Senate is expected to vote on the 1995 Free Burma Bill as an amendment to the U.S. State Department's foreign aid appropriations bill. If passed, proposed U.S. sanctions would bar any future U.S. investment in Burma until democracy is restored. This would likely affect U.S.-based Unocal, which is undertaking a \$1.1-billion development of its 5.8-trillion-cubic-foot Yadana natural gas field located in Burma's Gulf of Martaban. The Yadana project also will entail constructing an export pipeline to ship up to 550 million cubic feet per day of natural gas to Thailand, starting in 1998. (DJ)

# Contents

	Page
<b>Section 1. Annual and Monthly Oil Data</b>	
Table 1.1a World Crude Oil Production (Including Lease Condensate), 1985-Present .....	4
Table 1.1b World Crude Oil Production (Including Lease Condensate), 1985-Present .....	5
Table 1.1c World Crude Oil Production (Including Lease Condensate), 1985-Present .....	6
Table 1.2 OPEC Crude Oil Production (Excluding Condensate), 1985-Present .....	7
Table 1.3 World Natural Gas Plant Liquids Production, 1985-Present .....	8
Table 1.4 World Oil Supply, 1985-Present .....	9
Table 1.5 Oil Stocks in OECD Countries, End of Period .....	10
Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries .....	11
Table 1.7 OECD Oil Demand, 1985-Present .....	12
<b>Section 2. International Oil Balance</b>	
Table 2.1 World Oil Balance, 1992-1996 .....	16
Table 2.2 World Oil Supply, 1992-1996 .....	17
Table 2.3 Oil Stocks, End of Period .....	18
Table 2.4 World Oil Demand, 1991-1995 .....	19
<b>Section 3. International Oil Imports</b>	
Table 3.1 Net Oil Imports Into OECD Countries (1995 Average) .....	22
Table 3.2 Net Oil Imports Into OECD Countries (1st Quarter 1996) .....	23
Table 3.3 Net Oil Imports Into OECD Countries (4th Quarter 1995) .....	24
Table 3.4 OECD Total Net Oil Imports (Most Recent 12 Months) .....	25
Table 3.5 OECD Imports From OPEC (Most Recent 12 Months) .....	26
Table 3.6 OECD Imports From Persian Gulf (Most Recent 12 Months) .....	27
Table 3.7 United States--Net Oil Imports (Most Recent 12 Months) .....	28
Table 3.8 Japan--Net Oil Imports (Most Recent 12 Months) .....	29
Table 3.9 OECD Europe--Net Oil Imports (Most Recent 12 Months) .....	30
Table 3.10 France--Net Oil Imports (Most Recent 12 Months) .....	31
Table 3.11 Germany--Net Oil Imports (Most Recent 12 Months) .....	32
Table 3.12 Italy--Net Oil Imports (Months Recent 12 Months) .....	33
Table 3.13 OECD Imports From Kuwait (Most Recent 12 Months) .....	34

## Contents - Continued

	Page
<b>Section 4. Historical Oil Data Series</b>	
Table 4.1a World Crude Oil Production (Including Lease Condensate), 1970-1995 .....	38
Table 4.1b World Crude Oil Production (Including Lease Condensate), 1970-1995 .....	39
Table 4.1c World Crude Oil Production (Including Lease Condensate), 1970-1995 .....	40
Table 4.2 OPEC Crude Oil Production (Excluding Condensate), 1980-1995 .....	41
Table 4.3 World Natural Gas Plant Liquids Production, 1970-1995 .....	42
Table 4.4 World Oil Supply, 1970-1995 .....	43
Table 4.5 Oil Stocks in OECD Countries, End of Period .....	44
Table 4.6 World Oil Demand, 1970-1995 .....	45
Table 4.7 OECD Total Net Oil Imports, 1985-1995 .....	46
Table 4.8 OECD Imports From OPEC, 1985-1995 .....	47
Table 4.9 OECD Imports From Persian Gulf, 1985-1995 .....	48
Table 4.10 United States--Net Oil Imports, 1985-1995 .....	49
Table 4.11 Japan--Net Oil Imports, 1985-1995 .....	50
Table 4.12 OECD Europe--Net Oil Imports, 1985-1995 .....	51
Table 4.13 France--Net Oil Imports, 1985-1995 .....	52
Table 4.14 Germany--Net Oil Imports, 1985-1995 .....	53
Table 4.15 Italy--Net Oil Imports, 1985-1995 .....	54
Table 4.16 OECD Imports From Iraq, 1985-1995 .....	55
Table 4.17 OECD Imports From Kuwait, 1985-1995 .....	56
<b>Appendix A. Organizational and Geographical Definitions</b> .....	59
<b>Appendix B. Explanatory Notes</b> .....	61
<b>Appendix C. Glossary</b> .....	65
<b>Appendix D. Estimation Procedures</b> .....	67
<b>Appendix E. Conversions</b>	
Table E1. Refined Petroleum Products Conversion Factors .....	70
Table E2. Barrels of Crude Oil per Metric Ton, 1983-1993 .....	71

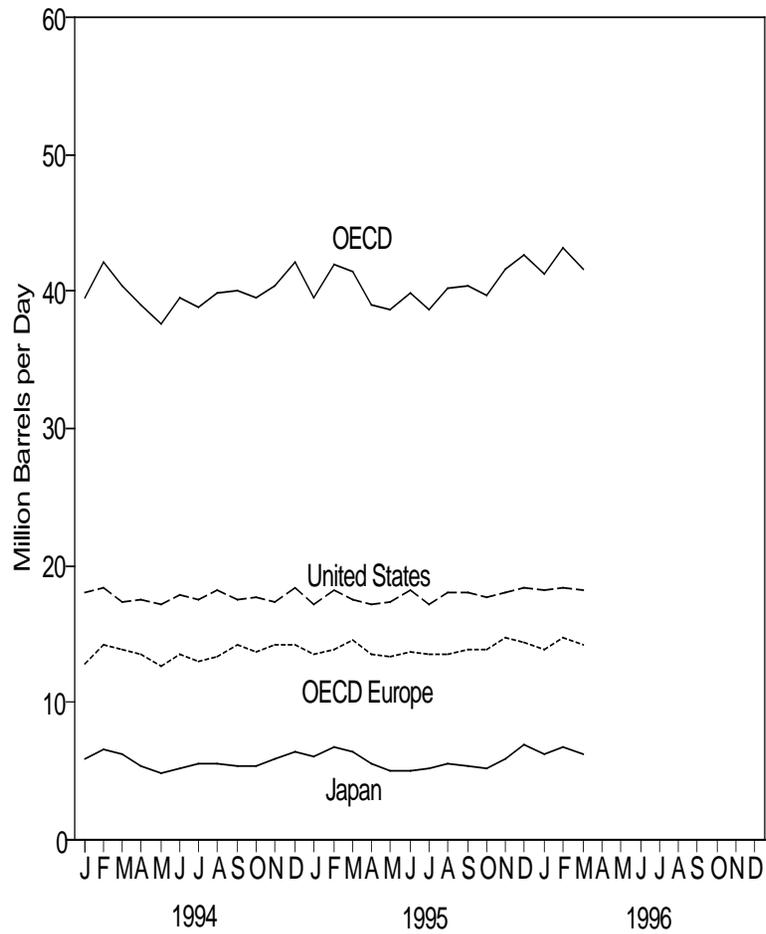
### Figures

Figure 1. World Crude Oil Production, Monthly .....	2
Figure 2. Leading Crude Oil Producers, Monthly .....	2
Figure 3. OECD Oil Consumption, Monthly .....	3
Figure 4. OECD Oil Stocks, Monthly .....	3

## **1. Annual and Monthly Oil Data**

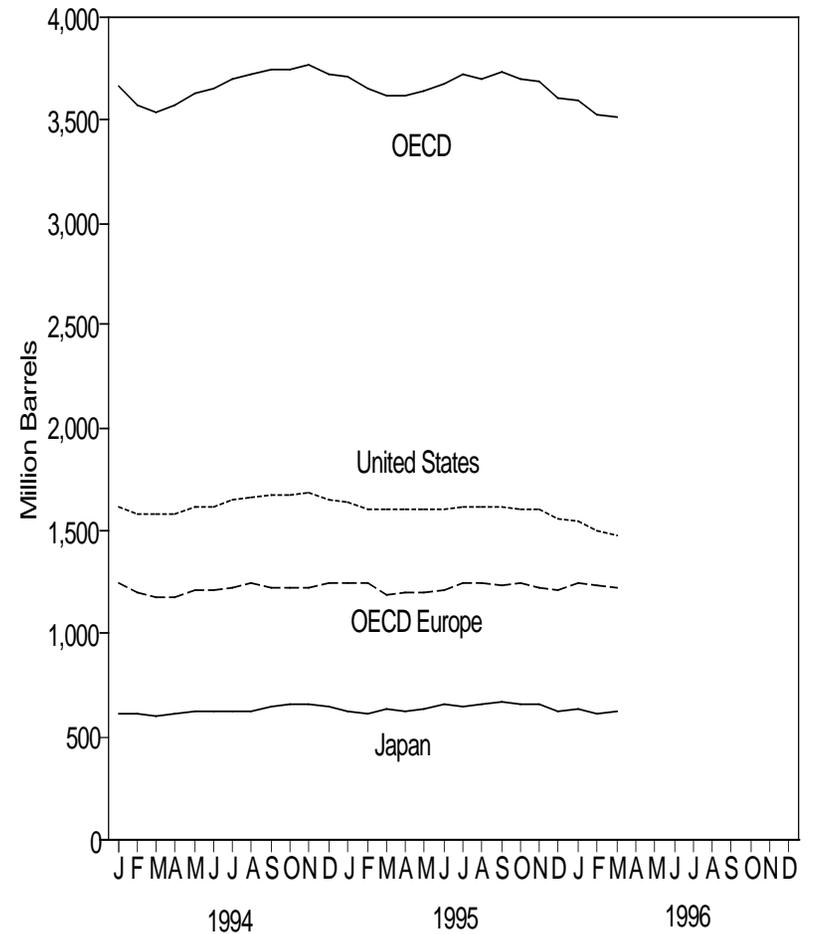


Figure 3. OECD Oil Consumption, Monthly



Source: Table 1.7

Figure 4. OECD Oil Stocks, Monthly



Source: Table 1.5

**Table 1.1a World Crude Oil Production (Including Lease Condensate), 1985-Present**  
(Thousand Barrels per Day)

	Algeria	Gabon	Indo- nesia	Iran	Iraq	Kuwait <sup>1/</sup>	Libya	Nigeria	Qatar	Saudi Arabia <sup>1/</sup>	United Arab Emirates	Vene- zuela	Total OPEC
1985 Average.....	1,037	172	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	16,353
1986 Average.....	945	166	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	18,441
1987 Average.....	1,048	155	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	18,672
1988 Average.....	1,040	159	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	20,483
1989 Average.....	1,095	208	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	22,279
1990 Average.....	1,175	270	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,465
1991 Average.....	1,230	294	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,569
1992 Average.....	1,214	298	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,695
1993 Average.....	1,162	313	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,431
1994 Average.....	1,180	329	1,514	3,635	553	2,034	1,378	2,037	444	8,147	2,263	2,588	26,101
1995 January.....	1,180	335	1,520	3,585	555	2,070	1,390	2,000	455	8,120	2,280	2,600	26,090
February.....	1,180	335	1,500	3,685	555	2,070	1,390	1,980	475	8,220	2,280	2,600	26,270
March.....	1,180	335	1,510	3,485	555	2,060	1,390	1,890	485	8,110	2,280	2,600	25,880
April.....	1,180	335	1,510	3,635	555	2,070	1,390	2,050	485	8,220	2,280	2,670	26,380
May.....	1,180	335	1,510	3,835	555	2,050	1,390	2,080	485	8,400	2,280	2,790	26,890
June.....	1,180	335	1,510	3,585	555	2,050	1,390	1,960	485	8,100	2,280	2,790	26,220
July.....	1,210	335	1,510	3,535	555	2,060	1,390	1,980	485	8,410	2,280	2,790	26,540
August.....	1,210	350	1,510	3,685	555	2,075	1,390	2,035	485	8,425	2,280	2,790	26,790
September.....	1,210	350	1,510	3,635	555	2,035	1,390	2,040	485	8,315	2,280	2,790	26,595
October.....	1,210	350	1,560	3,735	555	2,065	1,390	2,060	485	8,315	2,280	2,840	26,845
November.....	1,220	350	1,560	3,635	555	2,070	1,390	2,110	495	8,020	2,280	2,840	26,525
December.....	1,220	350	1,560	3,685	555	2,015	1,390	2,145	495	8,110	2,215	2,890	26,630
1995 Average.....	1,197	341	1,523	3,643	555	2,057	1,390	2,028	483	8,231	2,274	2,750	26,473
1996 January.....	1,220	360	1,540	3,735	555	2,038	1,400	2,160	500	8,118	2,290	2,940	26,855
February.....	1,220	360	1,540	3,685	555	2,057	1,400	2,180	500	8,248	2,265	2,940	26,950
March.....	1,210	R370	1,540	3,715	555	2,057	1,400	2,190	500	8,248	2,285	2,990	R27,060
April.....	1,230	R370	1,530	3,685	555	2,067	1,400	R2,160	505	R8,088	R2,250	2,990	R26,830
May.....	1,245	370	1,530	3,635	555	2,055	1,400	2,200	505	8,135	2,275	2,990	26,895
1996 Average.....	1,225	366	1,536	3,691	555	2,055	1,400	2,178	502	8,167	2,273	2,970	26,918

<sup>1/</sup> Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In May 1996, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 470 thousand barrels per day. R=Revised data

Notes: \*OPEC=Organization of Petroleum Exporting Countries. \*Monthly data are often preliminary and also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

**Table 1.1b World Crude Oil Production (Including Lease Condensate), 1985-Present**  
(Thousand Barrels per Day)

	Norway	United Kingdom	North Sea <sup>1/</sup>	Angola	Argentina	Australia	Brazil	Canada	China	Colombia	Ecuador
1985 Average.....	788	2,530	3,417	231	460	575	564	1,471	2,505	176	281
1986 Average.....	870	2,539	3,547	282	434	520	572	1,474	2,620	305	293
1987 Average.....	1,022	2,406	3,584	360	428	547	566	1,535	2,690	385	174
1988 Average.....	1,158	2,232	3,540	452	449	538	554	1,616	2,730	378	302
1989 Average.....	1,554	1,802	3,515	455	460	490	596	1,560	2,757	403	279
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,230	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	538	650	536	671	1,793	2,939	455	379
1995 January.....	2,660	2,520	5,341	580	700	575	710	1,792	2,950	500	400
February.....	2,605	2,610	5,368	580	700	550	710	1,774	3,000	540	400
March.....	2,680	2,565	5,399	610	700	540	685	1,739	3,000	550	400
April.....	2,735	2,570	5,456	630	710	550	700	1,811	3,000	550	400
May.....	2,750	2,305	5,201	645	710	550	330	1,754	2,980	560	400
June.....	2,480	1,855	4,486	660	710	580	710	1,847	2,980	605	390
July.....	2,765	2,350	5,253	660	720	595	750	1,843	2,980	615	385
August.....	2,560	2,405	5,107	660	720	600	760	1,805	3,015	620	375
September.....	2,775	2,655	5,581	655	720	605	730	1,890	3,070	645	390
October.....	3,030	2,740	5,924	690	720	570	755	1,840	3,070	635	390
November.....	3,060	2,685	5,889	690	720	500	750	1,840	3,070	605	385
December.....	3,095	2,615	5,854	690	720	525	760	1,870	3,070	640	390
1995 Average.....	2,768	2,489	5,406	646	713	562	695	1,817	3,015	589	392
1996 January.....	3,085	2,600	5,819	705	710	530	770	1,775	3,115	620	390
February.....	3,165	2,625	5,935	705	710	560	785	1,705	3,100	620	390
March.....	2,990	2,570	5,715	R700	R720	580	775	1,800	3,050	635	390
April.....	3,160	2,467	5,768	R720	R720	R610	R805	R1,840	R3,020	R620	390
May.....	2,980	2,512	5,636	720	720	610	805	1,770	3,150	620	390
1996 Average.....	3,074	2,554	5,773	710	716	578	788	1,779	3,087	623	390

<sup>1/</sup> North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.

R=Revised data.

Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

**Table 1.1c World Crude Oil Production (Including Lease Condensate), 1985-Present**  
(Thousand Barrels per Day)

	Egypt	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other <sup>1/</sup>	World
1985 Average.....	887	620	440	2,745	498	--	11,585	178	8,971	2,124	53,982
1986 Average.....	813	630	504	2,435	560	--	11,895	194	8,680	2,166	56,227
1987 Average.....	896	609	497	2,548	582	--	12,050	230	8,349	2,120	56,666
1988 Average.....	848	635	540	2,512	617	--	12,053	265	8,140	2,235	58,737
1989 Average.....	865	700	585	2,520	641	--	11,715	340	7,613	2,249	59,863
1990 Average.....	873	660	619	2,553	685	--	10,975	388	7,355	2,253	60,566
1991 Average.....	874	615	646	2,680	700	--	9,992	492	7,417	2,274	60,207
1992 Average.....	881	561	653	2,669	740	7,632	--	481	7,171	3,233	60,216
1993 Average.....	890	534	640	2,673	776	6,730	--	554	6,847	3,288	60,246
1994 Average.....	896	590	645	2,689	815	6,135	--	560	6,662	3,408	61,358
1995 January.....	920	695	650	2,680	845	5,675	--	615	6,682	3,394	61,633
February.....	920	685	680	2,645	845	5,860	--	615	6,794	3,364	62,148
March.....	920	695	680	2,670	845	5,675	--	615	6,600	3,360	61,409
April.....	920	700	680	2,670	850	5,767	--	610	6,604	3,369	62,206
May.....	920	715	680	2,680	850	5,860	--	610	6,629	3,387	62,205
June.....	920	720	680	2,700	850	5,856	--	610	6,579	3,389	61,340
July.....	920	720	690	2,705	850	5,776	--	610	6,449	3,381	62,304
August.....	920	715	690	2,710	850	5,820	--	610	6,447	3,349	62,421
September....	920	720	690	2,740	850	5,789	--	610	6,416	3,360	62,825
October.....	920	690	690	1,900	860	5,798	--	605	6,421	3,319	62,489
November.....	920	685	690	2,555	860	5,662	--	605	6,585	3,303	62,695
December.....	920	700	690	2,765	860	5,684	--	605	6,530	3,325	63,084
1995 Average.....	920	703	682	2,618	851	5,768	--	610	6,560	3,358	62,230
1996 January.....	920	675	680	2,795	865	5,864	--	605	E6,495	3,336	63,391
February.....	920	700	680	2,800	865	5,970	--	605	E6,550	3,360	63,765
March.....	920	R665	680	2,870	R870	5,856	--	605	E6,516	R3,334	R63,586
April.....	920	700	680	2,860	R880	5,864	--	R600	RE6,479	R3,371	R63,537
May.....	920	700	680	2,875	880	5,891	--	600	PE6,321	3,382	63,421
1996 Average.....	920	688	680	2,840	872	5,888	--	603	PE6,471	3,357	63,537

<sup>1/</sup> Other is a calculated total derived from the difference between "World" and the sum of production in "Total OPEC" (Table 1.1a) and all other countries listed (Tables 1.1b and 1.1c). The total "North Sea" is not subtracted from the world total, though Norway and the United Kingdom have been subtracted.

-- = Not applicable. R=Revised data. E=Estimated. PE=Preliminary estimate. RE=Revised estimate.

Notes: \*Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

**Table 1.2 OPEC Crude Oil Production (Excluding Condensate), 1985-Present**  
(Thousand Barrels per Day)

	Algeria	Gabon	Indo- nesia	Iran	Iraq	Kuwait <sup>1/</sup>	Libya	Nigeria	Qatar	Saudi Arabia <sup>1/</sup>	United Arab Emirates	Vene- zuela	Total OPEC
1985 Average...	702	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,675
1986 Average...	600	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,741
1987 Average...	648	155	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,803
1988 Average...	640	159	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,580
1989 Average...	690	208	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,409
1990 Average...	765	277	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	22,735
1991 Average...	800	294	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,800
1992 Average...	772	298	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,856
1993 Average...	747	313	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,617
1994 Average...	750	329	1,334	3,600	548	2,034	1,378	1,887	409	8,147	2,183	2,542	25,141
1995 January...	750	335	1,340	3,550	550	2,070	1,390	1,850	420	8,120	2,200	2,560	25,135
February..	750	335	1,320	3,650	550	2,070	1,390	1,830	440	8,220	2,200	2,560	25,315
March.....	750	335	1,330	3,450	550	2,060	1,390	1,740	450	8,110	2,200	2,560	24,925
April.....	750	335	1,330	3,600	550	2,070	1,390	1,900	450	8,220	2,200	2,630	25,425
May.....	750	335	1,330	3,800	550	2,050	1,390	1,930	450	8,400	2,200	2,750	25,935
June.....	750	335	1,330	3,550	550	2,050	1,390	1,810	450	8,100	2,200	2,750	25,265
July.....	780	335	1,330	3,500	550	2,060	1,390	1,830	450	8,410	2,200	2,750	25,585
August....	780	350	1,330	3,650	550	2,075	1,390	1,885	450	8,425	2,200	2,750	25,835
September.	780	350	1,330	3,600	550	2,035	1,390	1,890	450	8,315	2,200	2,750	25,640
October...	780	350	1,380	3,700	550	2,065	1,390	1,910	450	8,315	2,200	2,800	25,890
November..	790	350	1,380	3,600	550	2,070	1,390	1,960	460	8,020	2,200	2,800	25,570
December..	790	350	1,380	3,650	550	2,015	1,390	1,980	470	8,110	2,165	2,850	25,700
1995 Average...	767	341	1,343	3,608	550	2,057	1,390	1,876	449	8,231	2,197	2,710	25,520
1996 January...	790	360	1,360	3,700	550	2,038	1,400	2,010	465	8,118	2,210	2,900	25,900
February..	790	360	1,360	3,650	550	2,057	1,400	2,030	465	8,248	2,185	2,900	25,995
March.....	780	R370	1,360	3,680	550	2,057	1,400	2,040	465	8,248	2,205	2,950	R26,105
April.....	800	R370	1,350	3,650	550	2,067	1,400	R2,010	R470	R8,088	R2,170	2,950	R25,875
May.....	815	370	1,350	3,600	550	2,055	1,400	2,050	470	8,135	2,195	2,950	25,940
1996 Average...	795	366	1,356	3,656	550	2,055	1,400	2,028	467	8,167	2,193	2,930	25,963

<sup>1/</sup> Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In May 1996, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 470 thousand barrels per day.

R=Revised data.

Notes: •OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

•Monthly data are often preliminary and also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

**Table 1.3 World Natural Gas Plant Liquids Production, 1985-Present**  
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Former USSR	United States <sup>1/</sup>	Persian Gulf <sup>2/</sup>	OAPEC <sup>3/</sup>	OPEC <sup>3/</sup>	World
1985 Average.....	120	337	271	375	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	430	1,595	721	900	1,006	4,279
1988 Average.....	120	381	370	499	450	1,625	808	979	1,077	4,481
1989 Average.....	130	410	384	503	425	1,546	851	1,041	1,188	4,502
1990 Average.....	130	426	428	620	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	390	1,697	1,003	1,185	1,364	4,973
1993 Average.....	145	506	459	704	380	1,736	1,040	1,238	1,435	5,169
1994 Average.....	140	539	461	698	340	1,727	1,081	1,272	1,475	5,297
1995 January.....	145	617	475	695	410	1,787	1,080	1,276	1,450	5,639
February....	145	591	405	695	410	1,780	1,080	1,276	1,450	5,546
March.....	145	611	440	695	410	1,776	1,080	1,276	1,450	5,586
April.....	145	617	425	700	410	1,794	1,085	1,281	1,455	5,580
May.....	145	554	460	705	410	1,790	1,090	1,286	1,460	5,549
June.....	145	536	460	695	410	1,740	1,080	1,276	1,450	5,365
July.....	145	525	455	715	410	1,751	1,100	1,296	1,470	5,451
August.....	145	552	470	715	410	1,730	1,100	1,296	1,470	5,436
September...	145	567	470	710	410	1,757	1,095	1,291	1,465	5,513
October.....	145	551	365	710	410	1,757	1,095	1,291	1,465	5,448
November....	145	580	455	685	410	1,797	1,070	1,266	1,440	5,561
December....	145	590	475	695	410	1,691	1,080	1,276	1,450	5,475
1995 Average.....	145	574	447	701	410	1,762	1,086	1,282	1,456	5,512
1996 January.....	145	585	470	690	410	1,718	1,075	1,271	1,445	5,478
February....	145	545	475	700	410	1,675	1,085	1,281	1,455	5,415
March.....	145	615	475	700	410	1,810	1,085	1,281	1,455	5,612
April.....	145	615	475	690	410	R1,836	1,075	1,271	1,445	R5,616
May.....	145	565	475	690	410	E1,740	1,075	1,271	1,445	5,480
1996 Average.....	145	585	474	694	410	E1,756	1,079	1,275	1,449	5,521

<sup>1/</sup> U.S. geographic coverage is the 50 States and the District of Columbia. Excludes fuel ethanol blended into finished motor gasoline.

<sup>2/</sup> See Appendix A for countries in this group.

<sup>3/</sup> OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups.

R=Revised data. E=Estimated.

Notes: \*Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

**Table 1.4 World Oil Supply, 1985-Present**  
(Thousand Barrels per Day)

	United States <sup>1/</sup>	Persian Gulf <sup>2/</sup>	OAPEC <sup>3/</sup>	OPEC <sup>3/</sup>	World
1985 Average.....	11,192	10,320	11,498	17,324	59,264
1986 Average.....	10,905	12,441	13,653	19,477	61,771
1987 Average.....	10,648	12,869	13,992	19,745	62,429
1988 Average.....	10,473	14,310	15,662	21,625	64,707
1989 Average.....	9,880	15,733	16,658	23,532	65,894
1990 Average.....	9,677	16,249	17,232	24,807	66,756
1991 Average.....	9,883	15,704	16,747	24,920	66,634
1992 Average.....	9,768	17,010	17,871	26,117	66,937
1993 Average.....	9,602	17,792	18,505	26,923	67,343
1994 Average.....	9,413	18,234	18,885	27,633	68,585
1995 January.....	9,561	18,217	19,013	27,597	69,339
February.....	9,643	18,437	19,133	27,777	69,738
March.....	9,311	18,127	19,023	27,387	68,905
April.....	9,450	18,402	19,143	27,892	69,815
May.....	9,497	18,767	19,303	28,407	69,807
June.....	9,395	18,207	18,998	27,727	68,757
July.....	9,275	18,497	19,368	28,067	69,806
August.....	9,270	18,677	19,393	28,317	69,927
September.....	9,279	18,472	19,243	28,117	70,420
October.....	9,287	18,602	19,268	28,367	70,021
November.....	9,485	18,197	18,973	28,022	70,335
December.....	9,370	18,227	18,953	28,137	70,683
1995 Average.....	9,400	18,403	19,152	27,987	69,796
1996 January.....	E9,327	18,382	19,063	28,357	70,958
February.....	E9,299	18,467	19,200	28,462	71,229
March.....	E9,437	18,517	19,211	R28,572	R71,284
April.....	RE9,451	R18,297	R19,038	R28,332	R71,264
May.....	PE9,166	18,307	19,113	28,397	70,981
1996 Average.....	PE9,336	18,394	19,125	28,424	71,141

1/ U.S. geographic coverage is the 50 States and the District of Columbia. Beginning in 1993, includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

2/ See Appendix A for countries in this group.

3/ OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups.

R=Revised data. E=Estimated. PE=Preliminary estimate. RE=Revised estimate.

Notes: •Oil Supply includes crude oil, natural gas plant liquids, other liquids, and refinery gain. See Explanatory Note 1 in Appendix B. •Monthly data are often preliminary and also may not average to the annual total due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

**Table 1.5 Oil Stocks in OECD Countries, End of Period**  
(Million Barrels)

	France	Italy	Germany <sup>1/</sup>	United Kingdom	OECD Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>	Total OECD
1985 December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986 December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987 December.....	127	169	259	121	1,130	1,607	126	540	71	3,474
1988 December.....	140	155	266	112	1,118	1,597	116	538	71	3,440
1989 December.....	138	164	271	118	1,133	1,581	114	577	71	3,476
1990 December.....	140	172	265	112	1,163	1,621	121	590	73	3,568
1991 December.....	153	160	288	119	1,181	1,617	119	606	65	3,588
1992 December.....	146	174	310	113	1,219	1,592	107	603	67	3,588
1993 December.....	158	163	309	118	1,221	1,647	105	618	69	3,661
1994 December.....	158	164	312	115	1,240	1,653	119	645	69	3,726
1995										
January.....	160	167	314	113	1,247	1,643	121	631	69	3,711
February.....	164	163	316	114	1,247	1,608	121	613	64	3,653
March.....	152	159	305	105	1,190	1,601	125	636	68	3,619
April.....	156	159	306	107	1,195	1,601	R122	626	71	R3,615
May.....	153	161	304	112	1,204	1,612	116	635	72	3,638
June.....	166	168	301	102	1,212	1,609	126	656	73	3,675
July.....	160	171	304	110	1,242	1,624	129	651	77	R3,723
August.....	160	174	303	109	1,240	1,614	119	654	72	3,698
September....	162	163	301	110	1,235	1,620	120	676	77	3,728
October.....	162	165	304	111	R1,240	1,607	123	664	R72	R3,705
November.....	160	159	297	110	1,224	1,604	123	663	R72	R3,685
December.....	159	162	301	105	1,217	1,563	119	631	74	3,604
1996										
January.....	154	157	301	107	R1,240	1,543	105	638	R71	3,598
February.....	156	156	298	103	R1,235	1,500	105	615	R67	R3,521
March.....	157	153	296	106	1,224	1,482	111	627	66	3,510

<sup>1/</sup> Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

<sup>2/</sup> "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

<sup>3/</sup> U.S. geographic coverage is the 50 States and the District of Columbia.

<sup>4/</sup> "Other" consists of Australia, New Zealand, and the U.S. Territories.

R=Revised data.

Notes: •Oil Stocks - See Explanatory Note 2 in Appendix B. •See Section 4 for historical series.

Sources: See end of Section 1.

**Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries (End of March 1996)**  
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	111	0	111
United States <sup>1</sup> /.....	893	589	1482
United States Territories.....	22	0	22
Japan.....	327	300	627
Australia/New Zealand.....	44	NA	44
Austria.....	21	0	21
Belgium/Luxembourg.....	27	0	27
Denmark.....	24	0	24
Finland.....	29	0	29
France.....	157	0	157
Germany <sup>2</sup> /.....	241	55	296
Greece.....	22	NA	22
Ireland.....	4	2	6
Italy.....	147	6	153
Netherlands.....	84	0	84
Norway.....	56	0	56
Portugal.....	22	0	22
Spain.....	96	0	96
Sweden.....	34	0	34
Switzerland.....	44	0	44
Turkey.....	48	0	48
United Kingdom.....	106	0	106
OECD Europe.....	1,161	63	1,224
Total OECD.....	2,558	952	3,510

<sup>1</sup>/ U.S. geographic coverage is the 50 States and the District of Columbia.

<sup>2</sup>/ Data are for the unified Germany, i.e., the former East Germany and West Germany.

NA=Not Available.

Notes: •Sum of components may not equal total due to rounding. •Oil Stocks - See Explanatory Note 2 in Appendix B.  
•OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

Sources: See end of Section 1.

**Table 1.7. OECD Oil Demand, 1985-Present**  
(Thousand Barrels per Day)

		France	Italy	Germany <sup>1/</sup>	United Kingdom	OECD Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>	Total OECD
1985	Average....	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271
1986	Average....	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279
1987	Average....	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911
1988	Average....	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093
1989	Average....	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570
1990	Average....	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475
1991	Average....	1,935	1,863	2,828	1,801	13,391	16,714	1,622	5,284	1,056	38,067
1992	Average....	1,926	1,937	2,843	1,803	13,605	17,033	1,643	5,446	1,041	38,768
1993	Average....	1,875	1,852	2,900	1,815	R13,523	17,237	1,688	5,401	1,117	R38,966
1994	Average....	1,833	1,841	2,879	1,837	R13,597	17,718	1,727	5,674	R1,176	R39,892
1995											
	January....	1,949	1,944	2,722	1,754	R13,500	17,219	R1,672	6,065	1,123	R39,579
	February...	1,895	2,128	2,801	1,953	R13,843	18,279	R1,849	6,811	1,175	R41,957
	March.....	2,002	1,993	3,198	1,972	R14,540	17,484	R1,710	6,366	1,241	R41,340
	April.....	1,834	1,837	2,866	1,788	R13,531	17,142	R1,560	5,580	1,170	R38,982
	May.....	1,764	1,829	2,932	1,778	R13,323	17,293	R1,736	5,051	1,263	R38,667
	June.....	1,846	1,884	2,870	1,809	R13,691	18,131	R1,779	4,996	1,219	R39,815
	July.....	1,933	1,861	2,829	1,736	R13,433	17,147	1,755	5,091	1,163	R38,589
	August.....	1,786	1,722	2,920	1,795	R13,574	18,044	1,872	5,573	1,223	R40,286
	September..	1,887	1,961	2,948	1,818	R13,951	18,026	1,821	5,382	1,225	R40,405
	October....	1,870	2,053	2,764	1,841	R13,980	17,651	1,790	5,135	R1,154	R39,710
	November...	1,957	2,195	2,915	2,010	R14,779	17,979	1,792	5,892	R1,170	R41,613
	December...	2,031	2,117	2,740	1,761	R14,349	18,366	1,828	6,881	R1,208	R42,633
	Average....	1,896	1,959	2,876	1,833	R13,873	17,725	1,763	5,730	1,195	R40,285
1996											
	January....	R1,930	2,024	2,909	R1,716	R13,882	18,212	1,796	6,241	R1,149	R41,278
	February...	2,193	2,119	3,025	1,904	R14,752	18,498	R1,893	R6,770	R1,157	R43,070
	March.....	1,989	2,057	2,872	1,845	14,213	18,180	1,736	6,327	1,136	41,593

1/ Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ U.S. geographic coverage is the 50 States and the District of Columbia.

4/ "Other" consists of Australia, New Zealand, and the U.S. Territories.

R=Revised data.

Notes: •The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition. •See Section 4 for historical series.

Sources: See end of Section 1.

## Sources for Section 1 (Annual and Monthly Oil Data)

### Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1995 and Petroleum Supply Monthly, June 1996.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Petroleum and Energy Intelligence Weekly, Inc., Petroleum Intelligence Weekly, various issues. All Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, November 1986.

### Oil Stocks

United States: EIA, Petroleum Supply Annual 1995 and Petroleum Supply Monthly, June 1996.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1985-1996.

### Oil Demand

United States: EIA, Petroleum Supply Annual 1995 and Petroleum Supply Monthly, June 1996.

Other OECD Countries: • OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1985-1996.

## **2. International Oil Balance Data**

**Table 2.1 World Oil Balance, 1992-1996**  
(Million Barrels Per Day)

	1992	1993	1994	1995				1996					
	Annual		Quarter		Quarter		Annual		Quarter		Annual		
	Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average	
<b>Supply<sup>1/</sup></b>													
<b>OECD</b>													
United States <sup>2/</sup> /.....	9.77	9.60	9.41	9.50	9.45	9.27	9.38	9.40	9.36	NA	NA	NA	NA
Other OECD.....	8.09	8.40	9.30	9.82	9.43	9.73	10.32	9.83	10.17	NA	NA	NA	NA
Total OECD.....	17.85	18.00	18.71	19.32	18.88	19.00	19.70	19.23	19.53	NA	NA	NA	NA
<b>Non-OECD</b>													
OPEC.....	26.12	26.92	27.63	27.58	28.01	28.17	28.18	27.99	28.46	NA	NA	NA	NA
Former USSR.....	8.93	7.96	7.27	6.92	7.03	6.99	6.90	6.96	7.10	NA	NA	NA	NA
Other Non-OECD.....	14.03	14.46	14.97	15.49	15.55	15.88	15.57	15.62	16.06	NA	NA	NA	NA
Total Non-OECD.....	49.08	49.34	49.87	49.99	50.59	51.04	50.64	50.57	51.63	NA	NA	NA	NA
Total World Supply.....	66.94	67.34	68.59	69.31	69.46	70.05	70.35	69.80	71.16	NA	NA	NA	NA
<b>Demand<sup>3/</sup></b>													
<b>OECD</b>													
United States <sup>2/</sup> /.....	17.03	17.24	17.72	17.64	17.52	17.74	18.00	17.72	18.29	NA	NA	NA	NA
Other OECD.....	21.74	21.73	22.17	23.29	21.63	22.02	23.32	22.56	23.66	NA	NA	NA	NA
Total OECD.....	38.77	38.97	39.89	40.93	39.15	39.75	41.32	40.29	41.96	NA	NA	NA	NA
<b>Non-OECD</b>													
China.....	2.66	2.96	3.18	3.33	3.36	3.38	3.41	3.37	3.53	NA	NA	NA	NA
Former USSR.....	6.79	5.45	4.83	5.10	4.60	4.60	4.70	4.75	5.15	NA	NA	NA	NA
Other Non-OECD.....	18.35	18.83	20.78	21.61	21.21	21.11	22.32	21.56	22.52	NA	NA	NA	NA
Total Non-OECD.....	27.81	27.23	28.79	30.04	29.17	29.09	30.43	29.68	31.20	NA	NA	NA	NA
Total World Demand.....	66.57	66.20	68.68	70.97	68.32	68.85	71.75	69.97	73.16	NA	NA	NA	NA
<b>Stock Draws / Discrepancy</b>													
<b>Net Reported Stock Draws<sup>4/</sup></b>													
U. S. Commercial.....	.05	-.12	.00	.58	-.09	-.12	.62	.25	.86	NA	NA	NA	NA
U. S. Strategic.....	-.04	-.03	-.01	.00	.00	.00	.00	.00	.03	NA	NA	NA	NA
Other OECD.....	-.42	-.05	-.16	.61	-.53	-.45	.73	.09	.14	NA	NA	NA	NA
For Export & Afloat.....	-.03	-.04	.03	-.28	.05	-.54	.22	-.14	.00	NA	NA	NA	NA
Commr. Floating Storage...	.04	.00	.00	.00	.00	.00	.00	.00	.00	NA	NA	NA	NA
Total Reported Draws.....	-.39	-.24	-.15	.91	-.56	-1.11	1.57	.20	1.03	NA	NA	NA	NA
<b>Other Stock Draws and</b>													
Statistical Discrepancy <sup>5/</sup>	.03	-.90	.25	.75	-.58	-.09	-.17	-.02	.97	NA	NA	NA	NA

1/ Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery gains, alcohol, and liquids produced from coal and other sources.

2/ U.S. geographical coverage is the 50 States and the District of Columbia. See Explanatory Note 1 in Appendix B.

3/ The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition.

4/ Stock draws are positive numbers, stock additions are negative numbers.

5/ This is computed as Total Demand minus the sum of Total Supply and Total Reported Stock Draw.

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

Sources: See end of Section 2.

**Table 2.2 World Oil Supply, 1992-1996**  
(Million Barrels Per Day)

	1992	1993	1994	1995				1996					
	Annual			Quarter				Annual	Quarter				
	Average			First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
<b>OECD</b>													
United States <sup>1</sup> /...	9.77	9.60	9.41	9.50	9.45	9.27	9.38	9.40	9.36	NA	NA	NA	NA
Canada.....	2.13	2.24	2.38	2.43	2.42	2.45	2.48	2.44	2.40	NA	NA	NA	NA
North Sea <sup>2</sup> /.....	4.44	4.67	5.38	5.81	5.43	5.68	6.31	5.81	6.23	NA	NA	NA	NA
Other OECD.....	1.52	1.48	1.54	1.58	1.57	1.60	1.54	1.57	1.55	NA	NA	NA	NA
Total OECD.....	17.85	18.00	18.71	19.32	18.88	19.00	19.70	19.23	19.53	NA	NA	NA	NA
<b>Non-OECD</b>													
<b>OPEC</b>													
<b>Crude</b>													
Algeria.....	1.21	1.16	1.18	1.18	1.18	1.21	1.22	1.20	1.22	NA	NA	NA	NA
Gabon.....	.30	.31	.33	.33	.33	.34	.35	.34	.36	NA	NA	NA	NA
Indonesia.....	1.50	1.51	1.51	1.51	1.51	1.51	1.56	1.52	1.54	NA	NA	NA	NA
Iran.....	3.43	3.54	3.64	3.58	3.69	3.62	3.69	3.64	3.71	NA	NA	NA	NA
Iraq.....	.42	.51	.55	.55	.55	.55	.55	.55	.55	NA	NA	NA	NA
Kuwait.....	1.06	1.85	2.03	2.07	2.06	2.06	2.05	2.06	2.05	NA	NA	NA	NA
Libya.....	1.43	1.36	1.38	1.39	1.39	1.39	1.39	1.39	1.40	NA	NA	NA	NA
Nigeria.....	1.94	1.96	2.04	1.96	2.03	2.02	2.10	2.03	2.18	NA	NA	NA	NA
Qatar.....	.42	.41	.44	.47	.48	.48	.49	.48	.50	NA	NA	NA	NA
Saudi Arabia..	8.33	8.20	8.15	8.15	8.24	8.38	8.15	8.23	8.20	NA	NA	NA	NA
United Arab													
Emirates...	2.27	2.16	2.26	2.28	2.28	2.28	2.26	2.27	2.28	NA	NA	NA	NA
Venezuela.....	2.37	2.45	2.59	2.60	2.75	2.79	2.86	2.75	2.96	NA	NA	NA	NA
<b>Natural Gas</b>													
Plant Liquids	1.36	1.44	1.47	1.45	1.46	1.47	1.45	1.46	1.45	NA	NA	NA	NA
Processing Gain.	.06	.06	.06	.06	.06	.06	.06	.06	.06	NA	NA	NA	NA
Total OPEC.....	26.12	26.92	27.63	27.58	28.01	28.17	28.18	27.99	28.46	NA	NA	NA	NA
Former USSR.....	8.93	7.96	7.27	6.92	7.03	6.99	6.90	6.96	7.10	NA	NA	NA	NA
China.....	2.84	2.89	2.94	2.98	2.99	3.02	3.07	3.02	3.09	NA	NA	NA	NA
Mexico.....	3.15	3.16	3.18	3.13	3.16	3.21	2.86	3.09	3.32	NA	NA	NA	NA
Other Non-OECD....	8.04	8.41	8.85	9.38	9.40	9.65	9.63	9.52	9.65	NA	NA	NA	NA
Total Non-OECD....	49.08	49.34	49.87	49.99	50.59	51.04	50.64	50.57	51.63	NA	NA	NA	NA
Total Supply.....	66.94	67.34	68.59	69.31	69.46	70.05	70.35	69.80	71.16	NA	NA	NA	NA

1/ U.S. geographic coverage is the 50 States and the District of Columbia.

2/ North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.

Notes: \*Supply includes crude oil (including lease condensate), natural gas plant liquids, (except for individual OPEC countries), other hydrogen and hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and processing gain (except for individual OPEC countries). For OPEC, natural gas plant liquids production and processing gain are shown as separate lines. \*Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

**Table 2.3 Oil Stocks, End of Period  
(Million Barrels)**

	1992	1993	1994	1995				1996				
		Year End		Quarter				Quarter				
				First	Second	Third	Fourth	First	Second	Third	Fourth	
OECD												
United States <sup>1/</sup>												
Commercial.....	1,017	1,060	1,061	1,009	1,017	1,028	971	893	NA	NA	NA	NA
Strategic.....	575	587	592	592	592	592	592	589	NA	NA	NA	NA
U. S. Territories.....	24	25	26	23	26	25	24	22	NA	NA	NA	NA
Canada.....	107	105	119	125	126	120	119	111	NA	NA	NA	NA
Japan.....	603	618	645	636	656	676	631	627	NA	NA	NA	NA
OECD Europe												
France.....	146	158	158	152	166	162	159	157	NA	NA	NA	NA
Germany.....	310	309	312	305	301	301	301	296	NA	NA	NA	NA
Italy.....	174	163	164	159	168	163	162	153	NA	NA	NA	NA
United Kingdom.....	113	118	115	105	102	110	105	106	NA	NA	NA	NA
Other OECD Europe....	476	475	490	469	475	499	489	512	NA	NA	NA	NA
Total.....	1,219	1,221	1,240	1,190	1,212	1,235	1,217	1,224	NA	NA	NA	NA
Australia & New Zealand	43	44	43	45	47	52	50	44	NA	NA	NA	NA
Total OECD.....	3,588	3,661	3,726	3,619	3,675	3,728	3,604	3,510	NA	NA	NA	NA
Stocks for Export and Afloat <sup>2/</sup> .....	930	945	935	960	955	1,005	985	985	NA	NA	NA	NA
Commercial Floating <sup>3/</sup> ....	70	70	70	70	70	70	70	70	NA	NA	NA	NA

<sup>1/</sup> U.S. stock data include Alaskan crude oil in transit by water. These data were previously reported in stocks for export and afloat. U.S. geographic coverage is the 50 States and the District of Columbia.

<sup>2/</sup> Stocks held at export terminals of major crude oil producing countries and commercial oil afloat based on quarterly analysis of world seaborne movements.

<sup>3/</sup> Stocks stored by industry in tankers moored offshore. Excludes strategic storage.

Notes: •Oil Stocks - See Note 2 in Appendix B. •Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

**Table 2.4 World Oil Demand, 1992-1996**  
(Million Barrels Per Day)

	1992	1993	1994	1995				1996					
	Annual Average	Annual Average	Annual Average	Quarter				Annual Average	Quarter				Annual Average
				First	Second	Third	Fourth		First	Second	Third	Fourth	
<b>OECD</b>													
United States <sup>1/</sup> .....	17.03	17.24	17.72	17.64	17.52	17.74	18.00	17.72	18.29	NA	NA	NA	NA
U. S. Territories.....	.22	.24	.26	.24	.26	.25	.20	.24	.21	NA	NA	NA	NA
Canada.....	1.64	1.69	1.73	1.74	1.69	1.82	1.80	1.76	1.81	NA	NA	NA	NA
Japan.....	5.45	5.40	5.67	6.40	5.21	5.35	5.97	5.73	6.44	NA	NA	NA	NA
<b>OECD Europe<sup>2/</sup></b>													
France.....	1.93	1.88	1.83	1.95	1.81	1.87	1.95	1.90	2.03	NA	NA	NA	NA
Italy.....	1.94	1.85	1.84	2.02	1.85	1.85	2.12	1.96	2.07	NA	NA	NA	NA
United Kingdom.....	1.80	1.81	1.84	1.89	1.79	1.78	1.87	1.83	1.82	NA	NA	NA	NA
Germany <sup>3/</sup> .....	2.84	2.90	2.88	2.91	2.89	2.90	2.81	2.88	2.93	NA	NA	NA	NA
Other OECD Europe....	5.10	5.08	5.21	5.19	5.17	5.25	5.62	5.31	5.42	NA	NA	NA	NA
Total OECD Europe....	13.60	13.52	13.60	13.96	13.51	13.65	14.37	13.87	14.27	NA	NA	NA	NA
Australia & New Zealand	.82	.88	.92	.94	.96	.95	.98	.96	.94	NA	NA	NA	NA
Total OECD.....	38.77	38.97	39.89	40.93	39.15	39.75	41.32	40.29	41.96	NA	NA	NA	NA
<b>Non-OECD</b>													
China.....	2.66	2.96	3.18	3.33	3.36	3.38	3.41	3.37	3.53	NA	NA	NA	NA
Former USSR.....	6.79	5.45	4.83	5.10	4.60	4.60	4.70	4.75	5.15	NA	NA	NA	NA
Other Non-OECD.....	18.35	18.83	20.78	21.61	21.21	21.11	22.32	21.56	22.52	NA	NA	NA	NA
Total Non-OECD.....	27.81	27.23	28.79	30.04	29.17	29.09	30.43	29.68	31.20	NA	NA	NA	NA
Total World Demand.....	66.57	66.20	68.68	70.97	68.32	68.85	71.75	69.97	73.16	NA	NA	NA	NA

<sup>1/</sup> U.S. geographic coverage is the 50 States and the District of Columbia.

<sup>2/</sup> "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

<sup>3/</sup> Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Oil demand includes bunkers and refinery fuel. The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition. •Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

## Sources for Section 2 (International Oil Balance Data)

### Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1995 and Petroleum Supply Monthly, June 1996.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Petroleum and Energy Intelligence Weekly, Inc., Petroleum Intelligence Weekly, various issues. Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

### Oil Stocks

United States: EIA, Petroleum Supply Annual 1995 and Petroleum Supply Monthly, June 1996.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1990-1995. Stocks for Export and Afloat and Commercial Floating Stocks -- Petroleum Economics Limited, Oil Industry Developments, various issues.

### Oil Demand

United States: EIA, Petroleum Supply Annual 1995 and Petroleum Supply Monthly, June 1996.

Other OECD Countries: • OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1990-1996.

OPEC Countries: EIA, International Energy Annual, various issues and Short-Term Energy Outlook, various issues.

Other countries: EIA, International Energy Annual, various issues and Short-Term Energy Outlook, various issues.

### **3. International Oil Imports**

**Table 3.1 Average Net Oil Imports into OECD Countries, 1995**  
(Million Barrels per Day)

	Total	OECD Europe					OECD Outside Europe				
		Total	United Kingdom	France	Germany <sup>1/</sup>	Italy	Other Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>
Total Net Imports..	20.741	7.244	-0.970	1.721	2.695	1.837	1.960	7.883	-0.736	5.709	0.642
Imports from OPEC <sup>5/</sup>	15.694	6.136	.254	.919	.714	1.216	3.033	4.208	.253	4.473	.623
Imports from Persian Gulf <sup>6/</sup>											
Total.....	9.304	3.358	.135	.647	.171	.497	1.908	1.563	.070	3.980	.333
Bahrain.....	.028	.000	.000	.000	.000	.000	.000	-.003	-	.027	.004
Iran.....	1.572	1.170	.023	.208	.031	.235	.673	.000	.002	.399	.001
Iraq.....	.000	.000	-	-	-	-	.000	-	-	-	-
Kuwait.....	.962	.232	.039	.022	.015	.000	.156	.218	.000	.503	.009
U.A.E.....	1.512	.013	.000	.002	.000	.000	.011	.004	.000	1.417	.077
Qatar.....	.358	.002	.000	.000	.000	.002	.000	.000	-	.334	.023
Saudi Arabia.....	4.871	1.940	.073	.416	.124	.260	1.067	1.344	.069	1.300	.218
Imports from OPEC-Africa											
Total.....	3.896	2.503	.065	.270	.465	.690	1.014	1.088	.101	.032	.172
Algeria.....	1.001	.686	.018	.103	.135	.102	.328	.234	.043	.011	.027
Gabon.....	.288	.033	.000	.008	.004	.000	.020	.229	.000	.005	.021
Libya.....	1.208	1.208	.032	.043	.234	.570	.329	.000	.000	-	.000
Nigeria.....	1.399	.576	.015	.115	.093	.017	.336	.625	.058	.016	.124
Imports from OPEC-South America											
Total.....	1.856	.259	.054	.002	.078	.014	.111	1.468	.082	.002	.044
Venezuela.....	1.856	.259	.054	.002	.078	.014	.111	1.468	.082	.002	.044
Imports from OPEC-Far East											
Total.....	.666	.016	.000	.000	.000	.015	.000	.087	.000	.486	.078
Indonesia.....	.666	.016	.000	.000	.000	.015	.000	.087	.000	.486	.078

1/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: \*Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. \*OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. \*Negative numbers represent net exports.

\*A dash (-) indicates no trade. \*Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. \*See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.2 Net Oil Imports into OECD Countries, (1st Quarter 1996)**  
(Million Barrels per Day)

	Total	OECD Europe					OECD Outside Europe				
		Total	United Kingdom	France	Germany <sup>1/</sup>	Italy	Other Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>
Total Net Imports..	20.889	6.876	-0.915	1.724	2.773	1.842	1.453	7.861	-0.760	6.272	0.641
Imports from OPEC <sup>5/</sup>	16.045	6.085	.226	.910	.681	1.288	2.981	4.135	.323	4.851	.652
Imports from Persian Gulf <sup>6/</sup>											
Total.....	9.403	3.268	.131	.613	.100	.547	1.877	1.472	.126	4.289	.248
Bahrain.....	.039	.001	.000	.000	.000	.001	.000	-.002	-	.038	.002
Iran.....	1.578	1.077	.028	.205	.012	.287	.545	.000	.000	.501	.000
Iraq.....	.000	.000	-	-	-	-	.000	-	-	-	-
Kuwait.....	1.076	.342	.040	.000	.013	.000	.290	.163	.038	.522	.010
U.A.E.....	1.468	.003	.000	.000	.000	.000	.002	-.007	.000	1.429	.045
Qatar.....	.398	.006	.000	.000	.000	.006	.000	.000	-	.379	.013
Saudi Arabia.....	4.844	1.839	.063	.408	.075	.253	1.040	1.319	.088	1.421	.177
Imports from OPEC-Africa											
Total.....	4.132	2.613	.058	.294	.546	.715	1.000	1.063	.132	.068	.256
Algeria.....	1.100	.763	.021	.079	.184	.106	.374	.252	.067	.011	.007
Gabon.....	.288	.042	-	.023	.010	.000	.009	.172	-	.016	.058
Libya.....	1.214	1.214	.028	.048	.262	.589	.287	.000	-	-	.000
Nigeria.....	1.531	.595	.010	.144	.090	.020	.330	.639	.066	.041	.191
Imports from OPEC-South America											
Total.....	1.841	.177	.036	.003	.034	.000	.103	1.547	.065	.002	.051
Venezuela.....	1.841	.177	.036	.003	.034	.000	.103	1.547	.065	.002	.051
Imports from OPEC-Far East											
Total.....	.708	.027	-	.000	.000	.027	.000	.051	.000	.530	.101
Indonesia.....	.708	.027	-	.000	.000	.027	.000	.051	.000	.530	.101

1/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.3 Net Oil Imports into OECD Countries, (4th Quarter 1995)**  
(Million Barrels per Day)

	Total	OECD Europe					OECD Outside Europe				
		Total	United Kingdom	France	Germany <sup>1/</sup>	Italy	Other Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>
Total Net Imports..	20.535	7.327	-0.959	1.710	2.669	1.994	1.912	7.714	-0.792	5.680	0.607
Imports from OPEC <sup>5/</sup>	15.783	6.093	.244	.891	.635	1.396	2.927	4.219	.263	4.496	.713
Imports from Persian Gulf <sup>6/</sup>											
Total.....	9.320	3.319	.104	.603	.119	.620	1.874	1.584	.070	4.000	.347
Bahrain.....	.011	.001	.000	.000	.000	.001	.000	-.002	-	.011	.002
Iran.....	1.631	1.228	.019	.224	.018	.348	.620	.000	.000	.403	.000
Iraq.....	.000	.000	-	-	-	-	.000	-	-	-	-
Kuwait.....	.892	.121	.038	.001	.013	.000	.070	.234	.000	.531	.006
U.A.E.....	1.557	.014	.000	.005	.000	.000	.009	-.002	.000	1.469	.076
Qatar.....	.350	.000	.000	.000	.000	.000	.000	.000	-	.314	.036
Saudi Arabia.....	4.878	1.955	.047	.374	.088	.271	1.175	1.354	.070	1.273	.227
Imports from OPEC-Africa											
Total.....	3.943	2.521	.088	.288	.442	.742	.962	1.090	.101	.020	.211
Algeria.....	.935	.636	.016	.120	.129	.122	.249	.207	.063	.000	.028
Gabon.....	.309	.025	.000	.010	.006	.000	.010	.237	.000	.000	.046
Libya.....	1.231	1.231	.032	.032	.236	.594	.338	.000	.000	-	.000
Nigeria.....	1.468	.628	.040	.126	.071	.026	.365	.646	.038	.020	.136
Imports from OPEC-South America											
Total.....	1.841	.237	.053	.000	.074	.019	.091	1.455	.092	.002	.054
Venezuela.....	1.841	.237	.053	.000	.074	.019	.091	1.455	.092	.002	.054
Imports from OPEC-Far East											
Total.....	.691	.017	.000	.000	.000	.017	.000	.087	.000	.484	.103
Indonesia.....	.691	.017	.000	.000	.000	.017	.000	.087	.000	.484	.103

1/ The data for Germany are for unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.4 OECD Total Net Imports (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995										1996	
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total.....	20.403	20.821	21.613	21.292	20.752	21.566	20.374	20.765	20.515	20.976	20.104	21.537
United States <sup>1</sup> /....	7.488	7.860	8.666	7.950	8.203	8.921	7.614	8.050	7.489	8.202	7.240	8.101
Canada.....	-.894	-.806	-.779	-.721	-.683	-.614	-.674	-.724	-.976	-.929	-.693	-.654
OECD Europe <sup>2</sup> /.....	7.298	7.397	7.996	7.841	7.172	7.171	7.343	7.043	7.627	6.852	6.951	6.831
Main European Importers												
France.....	1.770	1.791	1.789	1.917	1.504	1.745	1.638	1.713	1.778	1.596	1.818	1.764
Germany <sup>3</sup> /.....	2.776	2.711	2.618	2.754	2.742	2.704	2.750	2.553	2.701	2.781	2.849	2.694
Italy.....	1.784	1.635	2.110	1.755	1.759	1.591	1.992	1.931	2.058	1.934	1.764	1.822
Spain.....	1.210	1.131	1.191	1.188	1.083	1.243	1.386	1.247	1.249	1.055	1.075	1.135
Netherlands.....	.733	.568	.879	.887	.939	.866	.659	.471	.682	.765	.629	.559
European Net Exporters												
Norway.....	-2.946	-2.409	-2.703	-2.609	-2.837	-2.716	-3.042	-3.057	-2.950	-3.051	-3.310	-2.970
United Kingdom....	-1.053	-.614	-.638	-1.265	-.850	-1.026	-.965	-1.008	-.905	-.993	-.970	-.785
Smaller European Importers												
Austria.....	.232	.198	.212	.186	.155	.158	.200	.204	.222	.192	.205	.187
Belgium.....	.485	.454	.466	.491	.510	.465	.468	.529	.571	.531	.702	.542
Denmark.....	.054	-.011	.061	.056	.054	.023	.025	.036	.060	.005	.044	.033
Ireland.....	.097	.138	.089	.127	.126	.097	.120	.113	.107	.115	.105	.111
Finland.....	.305	.171	.149	.292	.230	.181	.233	.308	.296	.052	.084	.064
Greece.....	.351	.277	.343	.357	.299	.284	.369	.463	.314	.333	.359	.353
Iceland.....	.014	.024	.009	.020	.020	.009	.014	.020	.007	.018	.011	.014
Luxembourg.....	.035	.037	.037	.030	.034	.037	.039	.037	.036	.040	.042	.037
Portugal.....	.252	.300	.317	.361	.239	.302	.347	.262	.289	.274	.272	.215
Sweden.....	.390	.293	.267	.394	.359	.216	.339	.406	.326	.334	.319	.378
Switzerland.....	.249	.240	.270	.269	.271	.264	.245	.255	.232	.249	.258	.235
Turkey.....	.560	.463	.530	.632	.533	.728	.526	.560	.554	.622	.694	.442
Japan.....	5.665	5.685	5.032	5.492	5.514	5.391	5.498	5.691	5.850	6.125	6.081	6.596
Other OECD.....	.846	.685	.698	.730	.546	.697	.594	.705	.525	.727	.525	.663

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.5 OECD Imports from OPEC (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995						1996					
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total.....	14.927	15.416	16.048	15.933	15.375	16.290	15.908	15.846	15.598	16.013	15.895	16.218
United States <sup>1</sup> /....	3.876	3.995	4.427	4.328	4.130	4.747	4.178	4.408	4.076	4.247	3.866	4.274
Canada.....	.117	.297	.320	.286	.195	.288	.261	.338	.191	.390	.293	.284
OECD Europe <sup>2</sup> /.....	6.058	6.141	6.742	6.454	6.140	6.430	6.281	5.808	6.181	5.865	6.474	5.941
Main European Importers												
France.....	.857	.977	1.078	1.221	.731	.925	1.059	.774	.836	.803	.918	1.009
Germany <sup>3</sup> /.....	.716	.804	.807	.654	.772	.691	.757	.498	.646	.708	.665	.669
Italy.....	1.206	1.033	1.311	1.069	1.283	1.132	1.403	1.301	1.481	1.161	1.365	1.341
Spain.....	.748	.728	.859	.692	.719	.824	.788	.960	.982	.716	.688	.659
Netherlands.....	.695	.917	.915	.849	.860	.968	.410	.470	.381	.720	.912	.580
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.007	.001	.000	.001	.000	.000
United Kingdom....	.299	.314	.201	.262	.278	.271	.257	.224	.251	.236	.222	.220
Smaller European Importers												
Austria.....	.053	.017	.028	.013	.047	.054	.134	.138	.134	.012	.023	.024
Belgium.....	.211	.258	.289	.272	.310	.304	.266	.258	.276	.328	.329	.267
Denmark.....	.025	.014	.000	.024	.037	.020	.024	.025	.025	.025	.026	.025
Ireland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
Finland.....	.000	.000	.000	.014	.014	.015	.000	.000	.000	.000	.000	.001
Greece.....	.333	.178	.255	.359	.266	.225	.241	.284	.245	.196	.254	.289
Portugal.....	.168	.224	.275	.300	.161	.221	.199	.125	.201	.147	.194	.173
Sweden.....	.206	.152	.148	.165	.180	.116	.168	.194	.171	.174	.195	.191
Switzerland.....	.087	.087	.088	.062	.098	.089	.080	.093	.101	.107	.114	.086
Turkey.....	.455	.438	.488	.498	.384	.577	.487	.463	.451	.533	.567	.408
Japan.....	4.299	4.326	3.991	4.265	4.374	4.124	4.428	4.587	4.476	4.800	4.660	5.079
Other OECD.....	.576	.656	.568	.600	.535	.702	.760	.705	.673	.710	.603	.640

<sup>1</sup>/ U.S. geographic coverage is the 50 States and District of Columbia.

<sup>2</sup>/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

<sup>3</sup>/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports. •A dash (-) indicates no trade.

•Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.6 OECD Imports from Persian Gulf (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995						1996					
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total.....	8.877	9.258	9.167	9.362	9.098	9.528	9.487	9.368	9.106	9.488	9.246	9.466
United States <sup>1</sup> /....	1.544	1.482	1.527	1.454	1.534	1.685	1.521	1.660	1.574	1.523	1.341	1.543
Canada.....	.000	.151	.066	.067	.000	.144	.140	.068	.000	.179	.071	.125
OECD Europe <sup>2</sup> /.....	3.252	3.473	3.722	3.666	3.307	3.647	3.569	3.197	3.188	3.296	3.450	3.071
Main European Importers												
France.....	.601	.722	.788	.840	.593	.655	.749	.530	.530	.600	.637	.604
Germany <sup>3</sup> /.....	.221	.211	.223	.194	.144	.171	.170	.088	.098	.102	.080	.118
Italy.....	.422	.412	.586	.445	.542	.469	.704	.516	.635	.494	.546	.601
Spain.....	.334	.354	.357	.235	.299	.363	.376	.409	.400	.322	.229	.222
Netherlands.....	.485	.636	.608	.579	.578	.683	.361	.391	.344	.532	.724	.434
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.220	.180	.076	.135	.135	.149	.082	.143	.087	.180	.095	.116
Smaller European Importers												
Austria.....	.053	.017	.028	.013	.047	.054	.050	.052	.050	.012	.023	.024
Belgium.....	.187	.234	.261	.244	.272	.280	.241	.237	.253	.319	.301	.242
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.000	.000	.000	.007	.007	.007	.000	.000	.000	.000	.000	.000
Greece.....	.270	.147	.216	.297	.228	.172	.222	.239	.232	.164	.221	.250
Portugal.....	.051	.109	.142	.189	.038	.143	.099	.039	.130	.081	.110	.051
Sweden.....	.145	.106	.104	.116	.126	.082	.118	.136	.120	.122	.137	.134
Switzerland.....	.015	.010	.010	.009	.009	.015	.010	.005	.000	.004	.000	.005
Turkey.....	.248	.334	.323	.363	.288	.403	.387	.413	.308	.363	.348	.270
Japan.....	3.716	3.838	3.483	3.772	3.982	3.699	3.933	4.047	4.021	4.239	4.103	4.514
Other OECD.....	.364	.314	.368	.404	.275	.353	.324	.396	.323	.251	.281	.212

<sup>1</sup>/ U.S. geographic coverage is the 50 States and District of Columbia.

<sup>2</sup>/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

<sup>3</sup>/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.7 United States--Net Oil Imports (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995									1996		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	7.488	7.860	8.666	7.950	8.203	8.921	7.614	8.050	7.489	8.202	7.240	8.101
Imports from OPEC <sup>1/</sup>	3.876	3.995	4.427	4.328	4.130	4.747	4.178	4.408	4.076	4.247	3.866	4.274
Imports from Persian Gulf <sup>2/</sup>												
Total.....	1.544	1.482	1.527	1.454	1.534	1.685	1.521	1.660	1.574	1.523	1.341	1.543
Bahrain.....	.000	-.003	-.004	-.004	-.004	-.003	.000	-.001	-.005	-.003	-.003	-.001
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.171	.208	.260	.195	.180	.187	.250	.238	.215	.148	.216	.127
U.A.E.....	-.002	-.003	-.016	-.002	.018	.027	.012	-.006	-.013	-.020	.000	-.002
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	1.375	1.280	1.287	1.265	1.340	1.474	1.259	1.429	1.377	1.398	1.128	1.419
Imports from OPEC-Africa												
Total.....	.881	.972	1.321	1.264	1.026	1.317	1.140	1.156	.975	1.174	1.024	.989
Algeria.....	.251	.163	.277	.257	.298	.250	.229	.241	.152	.313	.200	.241
Gabon.....	.163	.206	.357	.311	.246	.216	.270	.271	.171	.171	.191	.154
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.467	.603	.687	.696	.482	.851	.641	.644	.652	.690	.633	.594
Imports from OPEC-South America												
Total.....	1.359	1.473	1.479	1.505	1.447	1.648	1.430	1.484	1.453	1.495	1.457	1.683
Venezuela.....	1.359	1.473	1.479	1.505	1.447	1.648	1.430	1.484	1.453	1.495	1.457	1.683
Imports from OPEC-Far East												
Total.....	.092	.065	.096	.101	.119	.094	.087	.107	.069	.052	.041	.058
Indonesia.....	.092	.065	.096	.101	.119	.094	.087	.107	.069	.052	.041	.058

<sup>1/</sup> OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2/</sup> The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.8 Japan--Net Oil Imports (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995									1996		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	5.665	5.685	5.032	5.492	5.514	5.391	5.498	5.691	5.850	6.125	6.081	6.596
Imports from OPEC <sup>1/</sup>	4.299	4.326	3.991	4.265	4.374	4.124	4.428	4.587	4.476	4.800	4.660	5.079
Imports from Persian Gulf <sup>2/</sup>												
Total.....	3.716	3.838	3.483	3.772	3.982	3.699	3.933	4.047	4.021	4.239	4.103	4.514
Bahrain.....	.040	.024	.056	.000	.064	.033	.000	.009	.023	.060	.022	.032
Iran.....	.358	.355	.332	.424	.389	.267	.440	.468	.301	.446	.564	.496
Kuwait.....	.428	.407	.547	.473	.529	.569	.520	.552	.522	.561	.455	.545
U.A.E.....	1.460	1.432	1.259	1.264	1.326	1.285	1.510	1.419	1.477	1.427	1.314	1.538
Qatar.....	.287	.374	.203	.313	.308	.368	.289	.360	.293	.330	.353	.452
Saudi Arabia.....	1.142	1.247	1.084	1.298	1.366	1.177	1.174	1.239	1.404	1.414	1.395	1.452
Imports from OPEC-Africa												
Total.....	.084	.018	.030	.037	.031	.038	.000	.062	.000	.073	.029	.098
Algeria.....	.000	.014	.030	.016	.031	.038	.000	.000	.000	.007	.008	.018
Gabon.....	.022	.000	.000	.021	.000	.000	.000	.000	.000	.026	.000	.020
Nigeria.....	.063	.004	.000	.000	.000	.000	.000	.062	.000	.039	.021	.060
Imports from OPEC-South America												
Total.....	.000	.006	.000	.000	.000	.000	.000	.000	.007	.006	.000	.000
Venezuela.....	.000	.006	.000	.000	.000	.000	.000	.000	.007	.006	.000	.000
Imports from OPEC-Far East												
Total.....	.539	.487	.535	.456	.426	.420	.495	.487	.471	.543	.549	.499
Indonesia.....	.539	.487	.535	.456	.426	.420	.495	.487	.471	.543	.549	.499

<sup>1/</sup> OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2/</sup> The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis.

•Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.9 OECD Europe--Net Oil Imports (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995									1996		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	7.298	7.397	7.996	7.841	7.172	7.171	7.343	7.043	7.627	6.852	6.951	6.831
Imports from OPEC <sup>1/</sup>	6.058	6.141	6.742	6.454	6.140	6.430	6.281	5.808	6.181	5.865	6.474	5.941
Imports from Persian Gulf <sup>2/</sup>												
Total.....	3.252	3.473	3.722	3.666	3.307	3.647	3.569	3.197	3.188	3.296	3.450	3.071
Bahrain.....	.000	.000	.000	.000	.000	.001	.001	.000	.000	.003	.000	.000
Iran.....	.981	1.290	1.458	1.280	1.099	1.219	1.263	1.184	1.236	1.063	1.104	1.066
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.398	.314	.233	.272	.273	.231	.095	.147	.122	.281	.447	.306
U.A.E.....	.000	.000	.008	.019	.019	.020	.023	.013	.007	.004	.004	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.019
Saudi Arabia.....	1.874	1.869	2.022	2.094	1.916	2.175	2.186	1.852	1.823	1.946	1.894	1.681
Imports from OPEC-Africa												
Total.....	2.474	2.369	2.708	2.540	2.529	2.517	2.455	2.361	2.741	2.421	2.797	2.633
Algeria.....	.875	.664	.802	.683	.544	.828	.588	.573	.746	.684	.906	.708
Gabon.....	.032	.000	.033	.028	.030	.000	.012	.035	.030	.036	.061	.029
Libya.....	1.144	1.174	1.265	1.223	1.272	1.159	1.201	1.151	1.339	1.201	1.209	1.231
Nigeria.....	.423	.530	.608	.605	.683	.530	.654	.603	.626	.500	.621	.665
Imports from OPEC-South America												
Total.....	.315	.273	.313	.248	.288	.251	.243	.233	.235	.116	.209	.208
Venezuela.....	.315	.273	.313	.248	.288	.251	.243	.233	.235	.116	.209	.208
Imports from OPEC-Far East												
Total.....	.017	.027	.000	.000	.016	.017	.016	.018	.017	.035	.018	.028
Indonesia.....	.017	.027	.000	.000	.016	.017	.016	.018	.017	.035	.018	.028

<sup>1/</sup> OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2/</sup> The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.10 France--Net Oil Imports (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995									1996		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	1.770	1.791	1.789	1.917	1.504	1.745	1.638	1.713	1.778	1.596	1.818	1.764
Imports from OPEC <sup>1/</sup>	.857	.977	1.078	1.221	.731	.925	1.059	.774	.836	.803	.918	1.009
Imports from Persian Gulf <sup>2/</sup>												
Total.....	.601	.722	.788	.840	.593	.655	.749	.530	.530	.600	.637	.604
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iran.....	.124	.259	.347	.277	.284	.159	.251	.203	.217	.227	.129	.254
Kuwait.....	.064	.000	.065	.000	.063	.000	.000	.002	.000	.000	.000	.000
U.A.E.....	.000	.000	.008	.000	.000	.000	.016	.000	.000	.000	.001	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.413	.463	.368	.563	.246	.496	.482	.324	.313	.372	.507	.351
Imports from OPEC-Africa												
Total.....	.256	.255	.289	.381	.137	.265	.311	.245	.307	.195	.282	.405
Algeria.....	.131	.111	.085	.124	.043	.115	.134	.120	.107	.061	.039	.134
Gabon.....	.032	.000	.000	.000	.000	.000	.000	.000	.030	.036	.034	.000
Libya.....	.016	.064	.076	.040	.047	.027	.046	.028	.022	.041	.037	.065
Nigeria.....	.077	.081	.128	.217	.048	.123	.131	.098	.149	.056	.172	.206
Imports from OPEC-South America												
Total.....	.000	.000	.000	.000	.000	.005	.000	.000	.000	.009	.000	.000
Venezuela.....	.000	.000	.000	.000	.000	.005	.000	.000	.000	.009	.000	.000
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

<sup>1/</sup> OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2/</sup> The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.11 Germany--Net Oil Imports (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995									1996		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	2.776	2.711	2.618	2.754	2.742	2.704	2.750	2.553	2.701	2.781	2.849	2.694
Imports from OPEC <sup>1/</sup>	.716	.804	.807	.654	.772	.691	.757	.498	.646	.708	.665	.669
Imports from Persian Gulf <sup>2/</sup>												
Total.....	.221	.211	.223	.194	.144	.171	.170	.088	.098	.102	.080	.118
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iran.....	.030	.043	.024	.046	.015	.030	.037	.011	.006	.018	.001	.018
Kuwait.....	.020	.042	.001	.010	.012	.010	.011	.019	.010	.014	.006	.018
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.172	.127	.198	.138	.117	.131	.123	.058	.083	.070	.073	.082
Imports from OPEC-Africa												
Total.....	.393	.490	.473	.388	.565	.450	.507	.327	.488	.566	.536	.536
Algeria.....	.158	.111	.123	.071	.114	.165	.147	.106	.134	.208	.197	.148
Gabon.....	.000	.000	.000	.028	.001	.000	.012	.005	.000	.000	.027	.003
Libya.....	.183	.247	.253	.215	.289	.206	.261	.164	.280	.267	.262	.257
Nigeria.....	.052	.132	.098	.074	.161	.079	.087	.051	.074	.090	.050	.128
Imports from OPEC-South America												
Total.....	.101	.102	.111	.072	.064	.069	.080	.083	.060	.040	.049	.014
Venezuela.....	.101	.102	.111	.072	.064	.069	.080	.083	.060	.040	.049	.014
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

<sup>1/</sup> OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2/</sup> The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.12 Italy--Net Oil Imports (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995									1996		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total Net Imports..	1.784	1.635	2.110	1.755	1.759	1.591	1.992	1.931	2.058	1.934	1.764	1.822
Imports from OPEC <sup>1/</sup>	1.206	1.033	1.311	1.069	1.283	1.132	1.403	1.301	1.481	1.161	1.365	1.341
Imports from Persian Gulf <sup>2/</sup>												
Total.....	.422	.412	.586	.445	.542	.469	.704	.516	.635	.494	.546	.601
Bahrain.....	.000	.000	.000	.000	.000	.001	.001	.000	.000	.003	.000	.000
Iran.....	.180	.166	.273	.167	.292	.180	.417	.311	.315	.234	.336	.295
Kuwait.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.019
Saudi Arabia.....	.242	.247	.313	.278	.250	.288	.286	.204	.321	.258	.211	.287
Imports from OPEC-Africa												
Total.....	.767	.578	.708	.600	.708	.630	.663	.750	.812	.635	.801	.713
Algeria.....	.129	.055	.086	.061	.089	.116	.052	.138	.176	.083	.147	.089
Gabon.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Libya.....	.631	.518	.611	.500	.619	.484	.577	.591	.613	.552	.591	.623
Nigeria.....	.006	.006	.011	.039	.000	.029	.034	.022	.023	.000	.063	.000
Imports from OPEC-South America												
Total.....	.000	.016	.017	.023	.017	.018	.021	.018	.017	.000	.000	.000
Venezuela.....	.000	.016	.017	.023	.017	.018	.021	.018	.017	.000	.000	.000
Imports from OPEC-Far East												
Total.....	.017	.027	.000	.000	.016	.017	.016	.017	.017	.034	.018	.028
Indonesia.....	.017	.027	.000	.000	.016	.017	.016	.017	.017	.034	.018	.028

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

**Table 3.13 OECD Imports from Kuwait (Most Recent 12 Months)**  
(Million Barrels per Day)

	1995									1996		
	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Total.....	0.997	0.938	1.041	0.949	1.025	0.987	0.874	0.946	0.859	1.113	1.129	0.988
United States <sup>1</sup> /.....	.171	.208	.260	.195	.180	.187	.250	.238	.215	.148	.216	.127
Canada.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.113	.000	.000
OECD Europe <sup>2</sup> /.....	.398	.314	.233	.272	.273	.231	.095	.147	.122	.281	.447	.306
Main European Importers												
France.....	.064	.000	.065	.000	.063	.000	.000	.002	.000	.000	.000	.000
Germany <sup>3</sup> /.....	.020	.042	.001	.010	.012	.010	.011	.019	.010	.014	.006	.018
Italy.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Spain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Netherlands.....	.208	.228	.131	.194	.153	.176	.028	.088	.067	.168	.350	.164
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.091	.029	.030	.058	.029	.030	.056	.029	.028	.030	.033	.057
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
Belgium.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.053	.042	.052
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.016	.015	.006	.009	.015	.016	.000	.009	.018	.016	.016	.016
Japan.....	.428	.407	.547	.473	.529	.569	.520	.552	.522	.561	.455	.545
Other OECD.....	-.001	.009	.000	.009	.043	.000	.009	.009	.000	.010	.011	.010

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

## Sources for Section 3 (International Oil Imports)

### Oil Imports

United States: • Energy Information Administration (EIA), Petroleum Supply Annual 1995 and Petroleum Supply Monthly, June 1996.  
Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1991-1996.

## **4. Historical Oil Data Series**

**1970-1995**

**Table 4.1a World Crude Oil Production (Including Lease Condensate), 1970-1995**  
(Thousand Barrels per Day)

	Algeria	Gabon	Indo- nesia	Iran	Iraq	Kuwait <sup>1/</sup>	Libya	Nigeria	Qatar	Saudi Arabia <sup>1/</sup>	United Arab Emirates	Vene- zuela	Total OPEC
1970 Average.....	1,029	109	854	3,829	1,549	2,990	3,318	1,083	362	3,799	780	3,708	23,410
1971 Average.....	785	115	892	4,540	1,694	3,197	2,761	1,531	431	4,769	1,060	3,549	25,324
1972 Average.....	1,062	125	1,081	5,023	1,466	3,283	2,239	1,816	482	6,016	1,203	3,220	27,016
1973 Average.....	1,097	150	1,339	5,861	2,018	3,020	2,175	2,054	570	7,596	1,533	3,366	30,779
1974 Average.....	1,009	202	1,375	6,022	1,971	2,546	1,521	2,255	518	8,480	1,679	2,976	30,552
1975 Average.....	983	223	1,307	5,350	2,262	2,084	1,480	1,783	438	7,075	1,664	2,346	26,994
1976 Average.....	1,075	223	1,504	5,883	2,415	2,145	1,933	2,067	497	8,577	1,936	2,294	30,549
1977 Average.....	1,152	222	1,686	5,663	2,348	1,969	2,063	2,085	445	9,245	1,999	2,238	31,115
1978 Average.....	1,231	209	1,635	5,242	2,563	2,131	1,983	1,897	487	8,301	1,831	2,165	29,673
1979 Average.....	1,224	203	1,591	3,168	3,477	2,500	2,092	2,302	508	9,532	1,831	2,356	30,784
1980 Average.....	1,106	175	1,577	1,662	2,514	1,656	1,787	2,055	472	9,900	1,709	2,168	26,781
1981 Average.....	1,002	151	1,605	1,380	1,000	1,125	1,140	1,433	405	9,815	1,474	2,102	22,632
1982 Average.....	987	156	1,339	2,214	1,012	823	1,150	1,295	330	6,483	1,250	1,895	18,934
1983 Average.....	968	157	1,343	2,440	1,005	1,064	1,105	1,241	295	5,086	1,149	1,801	17,654
1984 Average.....	1,014	157	1,412	2,174	1,209	1,157	1,087	1,388	394	4,663	1,146	1,798	17,599
1985 Average.....	1,037	172	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	16,353
1986 Average.....	945	166	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	18,441
1987 Average.....	1,048	155	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	18,672
1988 Average.....	1,040	159	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	20,483
1989 Average.....	1,095	208	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	22,279
1990 Average.....	1,175	270	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,465
1991 Average.....	1,230	294	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,569
1992 Average.....	1,214	298	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,695
1993 Average.....	1,162	313	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,431
1994 Average.....	1,180	329	1,514	3,635	553	2,034	1,378	2,037	444	8,147	2,263	2,588	26,101
1995 Average P.....	1,197	341	1,523	3,643	555	2,057	1,390	2,028	483	8,231	2,274	2,750	26,473

<sup>1/</sup> Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1970 through 1989 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia.

P=Preliminary.

Notes: \*OPEC=Organization of Petroleum Exporting Countries.

Sources: See end of Section 4.

**Table 4.1b World Crude Oil Production (Including Lease Condensate), 1970-1995**  
(Thousand Barrels per Day)

	Norway	United Kingdom	North Sea <sub>1</sub> /	Angola	Argentina	Australia	Brazil	Canada	China	Colombia	Ecuador
1970 Average.....	0	2	0	112	393	178	167	1,263	600	219	4
1971 Average.....	6	2	6	93	423	309	174	1,348	780	214	4
1972 Average.....	33	2	35	140	433	327	167	1,532	900	196	78
1973 Average.....	32	2	36	162	420	369	169	1,798	1,090	184	209
1974 Average.....	35	2	38	169	414	388	176	1,551	1,315	168	177
1975 Average.....	189	12	202	165	395	409	177	1,430	1,490	157	161
1976 Average.....	279	245	525	108	398	426	167	1,314	1,670	146	188
1977 Average.....	280	768	1,055	194	431	431	161	1,321	1,874	138	183
1978 Average.....	356	1,082	1,446	131	453	432	160	1,316	2,082	131	202
1979 Average.....	403	1,568	1,976	147	473	441	166	1,500	2,122	124	214
1980 Average.....	528	1,622	2,151	150	491	380	182	1,435	2,114	126	204
1981 Average.....	501	1,811	2,322	130	496	394	213	1,285	2,012	125	211
1982 Average.....	520	2,065	2,617	122	491	370	260	1,271	2,045	141	211
1983 Average.....	614	2,291	2,965	177	491	416	339	1,356	2,120	152	237
1984 Average.....	697	2,480	3,250	208	478	492	475	1,438	2,296	168	258
1985 Average.....	788	2,530	3,417	231	460	575	564	1,471	2,505	176	281
1986 Average.....	870	2,539	3,547	282	434	520	572	1,474	2,620	305	293
1987 Average.....	1,022	2,406	3,584	360	428	547	566	1,535	2,690	385	174
1988 Average.....	1,158	2,232	3,540	452	449	538	554	1,616	2,730	378	302
1989 Average.....	1,554	1,802	3,515	455	460	490	596	1,560	2,757	403	279
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,230	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	538	650	536	671	1,793	2,939	455	379
1995 Average P.....	2,768	2,489	5,406	646	713	562	695	1,817	3,015	589	392

<sub>1</sub>/ North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.  
P=Preliminary.

Sources: See end of Section 4.

**Table 4.1c World Crude Oil Production (Including Lease Condensate), 1970-1995**  
(Thousand Barrels per Day)

	Egypt	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other <sup>1/</sup>	World
1970 Average.....	326	144	18	487	332	--	6,985	80	9,637	1,529	45,886
1971 Average.....	293	143	69	486	294	--	7,475	100	9,463	1,518	48,518
1972 Average.....	231	156	93	505	282	--	7,890	124	9,441	1,592	51,138
1973 Average.....	165	147	91	465	293	--	8,324	105	9,208	1,667	55,679
1974 Average.....	150	156	81	571	290	--	8,912	124	8,774	1,711	55,716
1975 Average.....	235	165	98	705	343	--	9,523	170	8,375	1,636	52,828
1976 Average.....	330	175	165	831	366	--	10,060	175	8,132	1,620	57,344
1977 Average.....	415	199	184	981	341	--	10,603	188	8,245	1,655	59,707
1978 Average.....	485	226	217	1,209	315	--	11,105	170	8,707	1,706	60,158
1979 Average.....	525	245	283	1,461	295	--	11,384	166	8,552	1,821	62,674
1980 Average.....	595	182	283	1,936	282	--	11,706	164	8,597	1,842	59,600
1981 Average.....	598	325	264	2,313	319	--	11,850	166	8,572	1,859	56,076
1982 Average.....	670	390	306	2,748	324	--	11,912	160	8,649	1,892	53,481
1983 Average.....	727	480	365	2,689	375	--	11,972	167	8,688	1,946	53,256
1984 Average.....	822	519	440	2,780	414	--	11,861	170	8,879	2,015	54,489
1985 Average.....	887	620	440	2,745	498	--	11,585	178	8,971	2,124	53,982
1986 Average.....	813	630	504	2,435	560	--	11,895	194	8,680	2,166	56,227
1987 Average.....	896	609	497	2,548	582	--	12,050	230	8,349	2,120	56,666
1988 Average.....	848	635	540	2,512	617	--	12,053	265	8,140	2,235	58,737
1989 Average.....	865	700	585	2,520	641	--	11,715	340	7,613	2,249	59,863
1990 Average.....	873	660	619	2,553	685	--	10,975	388	7,355	2,253	60,566
1991 Average.....	874	615	646	2,680	700	--	9,992	492	7,417	2,274	60,207
1992 Average.....	881	561	653	2,669	740	7,632	--	481	7,171	3,233	60,216
1993 Average.....	890	534	640	2,673	776	6,730	--	554	6,847	3,288	60,246
1994 Average.....	896	590	645	2,689	815	6,135	--	560	6,662	3,408	61,358
1995 Average P....	920	703	682	2,618	851	5,768	--	610	6,560	3,358	62,230

<sup>1/</sup> Other is a calculated total derived from the difference between "World" and the sum of production in "Total OPEC" (Table 1.1a) and all other countries listed (Tables 1.1b and 1.1c). The total "North Sea" is not subtracted from the world total, though Norway and the United Kingdom have been subtracted.

-- = Not applicable. P=Preliminary.

Sources: See end of Section 4.

**Table 4.2 OPEC Crude Oil Production (Excluding Condensate), 1980-1995**  
(Thousand Barrels per Day)

	Algeria	Gabon	Indo- nesia	Iran	Iraq	Kuwait <sup>1/</sup>	Libya	Nigeria	Qatar	Saudi Arabia <sup>1/</sup>	United Arab Emirates	Vene- zuela	Total OPEC
1980 Average...	1,006	175	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,565
1981 Average...	802	151	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,306
1982 Average...	712	156	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,505
1983 Average...	648	157	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	17,153
1984 Average...	694	157	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	16,962
1985 Average...	702	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,675
1986 Average...	600	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,741
1987 Average...	648	155	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,803
1988 Average...	640	159	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,580
1989 Average...	690	208	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,409
1990 Average...	765	277	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	22,735
1991 Average...	800	294	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,800
1992 Average...	772	298	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,856
1993 Average...	747	313	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,617
1994 Average...	750	329	1,334	3,600	548	2,034	1,378	1,887	409	8,147	2,183	2,542	25,141
1995 Average P.	767	341	1,343	3,608	550	2,057	1,390	1,876	449	8,231	2,197	2,710	25,520

<sup>1/</sup> Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia.

P=Preliminary.

Note: OPEC=Organization of Petroleum Exporting Countries. See Appendix A for Countries in this group.

Sources: See end of Section 4.

**Table 4.3 World Natural Gas Plant Liquids Production, 1970-1995**  
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Former USSR	United States <sup>1/</sup>	Persian Gulf <sup>2/</sup>	OAPEC <sup>3/</sup>	OPEC <sup>3/</sup>	World
1970 Average.....	3	200	58	50	120	1,660	119	137	205	2,383
1971 Average.....	4	234	59	50	135	1,693	138	147	243	2,508
1972 Average.....	4	293	61	55	155	1,744	155	159	275	2,676
1973 Average.....	9	314	75	90	170	1,738	191	196	324	2,785
1974 Average.....	12	314	80	130	190	1,688	231	219	347	2,789
1975 Average.....	20	309	80	140	205	1,633	246	252	372	2,790
1976 Average.....	24	289	95	185	220	1,603	291	313	442	2,865
1977 Average.....	19	290	105	215	235	1,618	335	366	482	2,982
1978 Average.....	25	281	115	250	255	1,567	410	447	566	3,078
1979 Average.....	30	331	150	303	270	1,584	458	535	637	3,285
1980 Average.....	36	331	193	369	285	1,573	534	618	732	3,444
1981 Average.....	49	330	241	433	300	1,609	599	691	825	3,625
1982 Average.....	58	318	255	430	315	1,550	612	721	842	3,626
1983 Average.....	56	309	265	330	330	1,559	552	655	780	3,635
1984 Average.....	105	336	257	355	340	1,630	604	761	869	3,869
1985 Average.....	120	337	271	375	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	430	1,595	721	900	1,006	4,279
1988 Average.....	120	381	370	499	450	1,625	808	979	1,077	4,481
1989 Average.....	130	410	384	503	425	1,546	851	1,041	1,188	4,502
1990 Average.....	130	426	428	620	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	390	1,697	1,003	1,185	1,364	4,973
1993 Average.....	145	506	459	704	380	1,736	1,040	1,238	1,435	5,169
1994 Average.....	140	539	461	698	340	1,727	1,081	1,272	1,475	5,297
1995 Average P....	145	574	447	701	410	1,762	1,086	1,282	1,456	5,512

<sup>1/</sup> U.S. geographic coverage is the 50 States and the District of Columbia.

<sup>2/</sup> See Appendix A for countries in this group.

<sup>3/</sup> OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups.

P=Preliminary.

Sources: See end of Section 4.

**Table 4.4 World Oil Supply, 1970-1995**  
(Thousand Barrels per Day)

	United States <sup>1/</sup>	Persian Gulf <sup>2/</sup>	OAPEC <sup>3/</sup>	OPEC <sup>3/</sup>	World
1970 Average.....	11,673	13,541	14,571	23,676	48,986
1971 Average.....	11,554	15,940	15,427	25,629	51,766
1972 Average.....	11,601	17,734	16,451	27,353	54,574
1973 Average.....	11,428	20,895	18,656	31,165	59,300
1974 Average.....	10,978	21,550	18,399	30,964	59,391
1975 Average.....	10,505	19,223	16,831	27,441	56,511
1976 Average.....	10,251	21,847	19,563	31,064	61,121
1977 Average.....	10,437	22,098	20,372	31,665	63,665
1978 Average.....	10,820	21,067	19,819	30,329	64,225
1979 Average.....	10,707	21,569	22,575	31,503	66,973
1980 Average.....	10,809	18,541	20,715	27,595	64,153
1981 Average.....	10,739	15,894	17,619	23,545	60,763
1982 Average.....	10,783	12,815	13,786	19,859	58,226
1983 Average.....	10,788	11,676	12,416	18,510	58,056
1984 Average.....	11,107	11,433	12,619	18,547	59,645
1985 Average.....	11,192	10,320	11,498	17,324	59,264
1986 Average.....	10,905	12,441	13,653	19,477	61,771
1987 Average.....	10,648	12,869	13,992	19,745	62,429
1988 Average.....	10,473	14,310	15,662	21,625	64,707
1989 Average.....	9,880	15,733	16,658	23,532	65,894
1990 Average.....	9,677	16,249	17,232	24,807	66,756
1991 Average.....	9,883	15,704	16,747	24,920	66,634
1992 Average.....	9,768	17,010	17,871	26,117	66,937
1993 Average.....	9,602	17,792	18,505	26,923	67,343
1994 Average.....	9,413	18,234	18,885	27,633	68,585
1995 Average P.....	9,400	18,403	19,152	27,987	69,796

<sup>1/</sup> U.S. geographic coverage is the 50 States and the District of Columbia.

<sup>2/</sup> See Appendix A for countries in this group.

<sup>3/</sup> OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.  
See Appendix A for countries in these groups.

P=Preliminary.

Note: Oil Supply includes crude oil, natural gas plant liquids, other liquids, and refinery gain. See Explanatory Note 1 in Appendix B.

Sources: See end of Section 4.

**Table 4.5 Oil Stocks in OECD Countries, End of Year**  
(Million Barrels)

	France	Italy	Germany <sup>1/</sup>	United Kingdom	OECD Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>	Total OECD
1973 December.....	201	152	181	156	1,070	1,008	140	303	67	2,588
1974 December.....	249	167	213	191	1,227	1,074	145	370	64	2,880
1975 December.....	225	143	187	165	1,154	1,133	174	375	67	2,903
1976 December.....	234	143	208	165	1,205	1,112	153	380	68	2,918
1977 December.....	239	161	225	148	1,268	1,312	167	409	68	3,224
1978 December.....	201	154	238	157	1,219	1,278	144	413	68	3,122
1979 December.....	226	163	272	169	1,353	1,341	150	460	75	3,379
1980 December.....	243	170	319	168	1,464	1,392	164	495	72	3,587
1981 December.....	214	167	297	143	1,337	1,484	161	482	67	3,531
1982 December.....	193	179	272	125	1,258	1,430	136	484	68	3,376
1983 December.....	153	149	249	118	1,142	1,454	121	470	68	3,255
1984 December.....	152	159	239	112	1,130	1,556	128	479	69	3,362
1985 December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986 December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987 December.....	127	169	259	121	1,130	1,607	126	540	71	3,474
1988 December.....	140	155	266	112	1,118	1,597	116	538	71	3,440
1989 December.....	138	164	271	118	1,133	1,581	114	577	71	3,476
1990 December.....	140	172	265	112	1,163	1,621	121	590	73	3,568
1991 December.....	153	160	288	119	1,181	1,617	119	606	65	3,588
1992 December.....	146	174	310	113	1,219	1,592	107	603	67	3,588
1993 December.....	158	163	309	118	1,221	1,647	105	618	69	3,661
1994 December .....	158	164	312	115	1,240	1,653	119	645	69	3,726
1995 December P....	159	162	301	105	1,217	1,563	119	631	74	3,604

<sup>1/</sup> Data through December 1990 are for the former West Germany. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

<sup>2/</sup> "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

<sup>3/</sup> U.S. geographic coverage is the 50 States and the District of Columbia. In the United States in January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported. Using the new basis, the end-of-year U.S. stocks, in million barrels, would have been 1,121 in 1974, 1,425 in 1980, and 1,461 in 1982.

<sup>4/</sup> "Other" consists of Australia, New Zealand, and the U.S. Territories.

P=Preliminary.

Note: Oil Stocks - See Explanatory Note 2 in Appendix B.

Sources: See end of Section 4.

**Table 4.6 OECD Oil Demand, 1970-1995**  
(Thousand Barrels per Day)

	France	Italy	Germany <sup>1/</sup>	United Kingdom	OECD Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>	OECD Excluding East Germany	East Germany	OECD Including East Germany	World Total
1970 Average...	1,937	1,710	2,607	2,096	12,404	14,697	1,516	3,817	836	33,270	223	33,493	46,808
1971 Average...	2,115	1,838	2,702	2,141	13,005	15,213	1,565	4,142	831	34,755	238	34,993	49,416
1972 Average...	2,322	1,947	2,859	2,284	13,934	16,367	1,664	4,363	948	37,275	270	37,545	53,094
1973 Average...	2,601	2,068	3,055	2,341	14,925	17,308	1,729	4,949	988	39,900	282	40,182	57,237
1974 Average...	2,447	2,004	2,748	2,210	13,988	16,653	1,779	4,864	1,095	38,379	307	38,686	56,677
1975 Average...	2,252	1,855	2,650	1,911	13,217	16,322	1,779	4,621	1,041	36,980	307	37,287	56,198
1976 Average...	2,420	1,971	2,877	1,892	14,124	17,461	1,818	4,837	1,119	39,358	329	39,687	59,673
1977 Average...	2,294	1,897	2,865	1,905	13,916	18,431	1,850	4,880	1,160	40,237	347	40,584	61,826
1978 Average...	2,408	1,952	2,927	1,938	14,290	18,847	1,902	4,945	1,204	41,187	363	41,550	64,158
1979 Average...	2,463	2,039	3,003	1,971	14,667	18,513	1,971	5,050	1,178	41,379	369	41,748	65,220
1980 Average...	2,256	1,934	2,707	1,725	13,634	17,056	1,873	4,960	1,072	38,595	375	38,970	63,067
1981 Average...	2,023	1,874	2,449	1,590	12,515	16,058	1,768	4,848	1,080	36,269	355	36,624	60,903
1982 Average...	1,880	1,781	2,372	1,590	12,053	15,296	1,578	4,582	1,008	34,517	371	34,888	59,503
1983 Average...	1,835	1,750	2,324	1,531	11,765	15,231	1,448	4,395	954	33,793	336	34,129	58,744
1984 Average...	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500	340	34,840	59,836
1985 Average...	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271	362	34,633	60,098
1986 Average...	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279	362	35,641	61,762
1987 Average...	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911	342	36,253	63,010
1988 Average...	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093	322	37,415	64,832
1989 Average...	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570	301	37,871	66,030
1990 Average...	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475	283	37,758	66,155
1991 Average...	1,935	1,863	2,828	1,801	13,391	16,714	1,622	5,284	1,056	--	--	38,067	66,715
1992 Average...	1,926	1,937	2,843	1,803	13,605	17,033	1,643	5,446	1,041	--	--	38,768	66,574
1993 Average...	1,875	1,852	2,900	1,815	R13,523	17,237	1,688	5,401	1,117	--	--	R38,966	R66,199
1994 Average...	1,833	1,841	2,879	1,837	R13,597	17,718	1,727	5,674	R1,176	--	--	R39,892	R68,683
1995 Average P.	1,896	1,959	2,876	1,833	R13,873	17,725	1,763	5,730	1,195	--	--	R40,285	R69,968

<sup>1/</sup> Data through 1990 are for the former West Germany. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

<sup>2/</sup> "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

<sup>3/</sup> U.S. geographic coverage is the 50 States and the District of Columbia.

<sup>4/</sup> "Other" consists of Australia, New Zealand, and the U.S. Territories.

P=Preliminary. R=Revised data. --=Not Applicable.

Note: The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition.

Sources: See end of Section 4.

**Table 4.7 OECD Total Net Imports, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total.....	15.878	17.670	18.008	18.706	20.082	20.456	20.414	20.783	21.226	21.133	20.741
United States <sup>1</sup> /....	4.286	5.439	5.914	6.587	7.202	7.161	6.626	6.938	7.618	7.986	7.883
Canada.....	-.419	-.391	-.358	-.585	-.462	-.425	-.479	-.546	-.586	-.623	-.736
OECD Europe <sup>2</sup> /.....	7.381	7.893	7.742	7.774	7.994	8.210	8.588	8.459	8.127	7.355	7.244
Main European Importers											
France.....	1.654	1.682	1.742	1.718	1.711	1.750	1.869	1.784	1.761	1.615	1.721
Germany <sup>3</sup> /.....	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.739	2.723	2.731	2.695
Italy.....	1.603	1.642	1.718	1.590	1.716	1.788	1.769	1.839	1.747	1.778	1.837
Netherlands.....	.515	.632	.562	.646	.635	.677	.690	.713	.688	.720	.701
Spain.....	.802	.747	.803	.869	.952	.950	.951	.998	1.066	1.119	1.202
European Net Exporters											
Norway.....	-.656	-.718	-.866	-1.036	-1.420	-1.543	-1.825	-2.102	-2.254	-2.586	-2.794
United Kingdom....	-1.035	-1.067	-1.015	-.760	-.200	-.214	-.158	-.221	-.355	-.850	-.970
Smaller European Importers											
Austria.....	.174	.188	.194	.185	.191	.201	.212	.209	.205	.210	.196
Belgium.....	.382	.456	.443	.451	.454	.442	.506	.517	.503	.517	.496
Denmark.....	.166	.150	.122	.107	.078	.063	.048	.032	.023	.027	.039
Ireland.....	.078	.098	.081	.076	.079	.095	.094	.097	.102	.109	.116
Finland.....	.207	.229	.242	.200	.220	.208	.211	.188	.182	.234	.198
Greece.....	.210	.245	.230	.242	.252	.273	.297	.326	.327	.292	.344
Iceland.....	.011	.011	.013	.012	.011	.011	.012	.011	.014	.015	.015
Luxembourg.....	.023	.024	.028	.028	.031	.034	.039	.040	.039	.040	.036
Portugal.....	.166	.183	.199	.198	.246	.250	.258	.279	.272	.270	.291
Sweden.....	.349	.379	.309	.313	.290	.324	.312	.320	.335	.362	.316
Switzerland.....	.257	.290	.254	.258	.254	.273	.273	.277	.250	.262	.248
Turkey.....	.310	.342	.402	.397	.384	.425	.366	.413	.500	.490	.557
Japan.....	4.308	4.392	4.418	4.680	5.035	5.239	5.286	5.464	5.467	5.766	5.709
Other OECD.....	.322	.338	.291	.250	.313	.270	.392	.467	.599	.648	.642

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.8 OECD Imports from OPEC, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total.....	10.531	12.408	12.414	13.115	14.602	15.675	15.597	15.809	16.259	16.054	15.694
United States <sup>1</sup> /....	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.012	4.255	4.230	4.208
Canada.....	.128	.158	.155	.162	.205	.199	.210	.210	.268	.285	.253
OECD Europe <sup>2</sup> /.....	5.395	6.163	5.628	5.873	6.205	6.656	6.857	6.853	6.837	6.446	6.136
Main European Importers											
France.....	.884	.948	.684	.737	.875	1.101	1.101	.998	1.047	.989	.919
Germany <sup>3</sup> /.....	.787	.831	.679	.761	.739	.776	.871	.964	.948	.841	.714
Italy.....	1.205	1.362	1.307	1.192	1.261	1.375	1.399	1.343	1.222	1.117	1.216
Netherlands.....	.568	.771	.773	.875	.905	.862	.928	.926	.982	.906	.682
Spain.....	.553	.600	.564	.608	.689	.655	.702	.637	.585	.684	.789
European Net Exporters											
Norway.....	.005	.008	.002	.002	.003	.007	.014	.004	.005	.003	.003
United Kingdom....	.308	.328	.277	.323	.342	.406	.377	.390	.439	.306	.254
Smaller European Importers											
Austria.....	.087	.090	.087	.082	.086	.097	.108	.115	.127	.119	.057
Belgium.....	.159	.288	.257	.302	.353	.313	.362	.359	.359	.284	.278
Denmark.....	.035	.025	.053	.067	.069	.044	.006	.001	.006	.008	.022
Ireland.....	.000	.001	.001	-	-	.000	.000	.000	.000	.000	.000
Finland.....	.037	.021	.023	.011	.013	.013	.029	.033	.007	.004	.004
Greece.....	.197	.273	.279	.233	.244	.343	.298	.346	.303	.266	.263
Portugal.....	.113	.120	.101	.118	.156	.166	.139	.158	.166	.236	.217
Sweden.....	.051	.086	.062	.074	.064	.073	.105	.116	.123	.126	.165
Switzerland.....	.075	.068	.069	.051	.021	.038	.052	.051	.063	.082	.083
Turkey.....	.331	.344	.411	.439	.384	.388	.365	.412	.452	.475	.470
Japan.....	2.983	3.036	3.198	3.309	3.789	4.070	4.038	4.206	4.282	4.507	4.473
Other OECD.....	.268	.301	.408	.316	.367	.513	.491	.528	.616	.586	.623

<sup>1</sup>/ U.S. geographic coverage is the 50 States and District of Columbia.

<sup>2</sup>/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

<sup>3</sup>/ Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.9 OECD Imports from Persian Gulf, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Imports from Persian Gulf											
Total.....	5.585	7.228	7.392	7.941	9.121	9.667	9.249	9.456	10.029	9.609	9.304
United States <sup>1/</sup> ...	.304	.909	1.072	1.526	1.857	1.961	1.835	1.774	1.775	1.722	1.563
Canada.....	.011	.054	.054	.056	.069	.081	.084	.092	.105	.119	.070
OECD Europe <sup>2/</sup> .....	2.560	3.513	3.330	3.428	3.754	3.908	3.660	3.666	4.048	3.506	3.358
Main European Importers											
France.....	.476	.586	.459	.484	.647	.864	.708	.640	.757	.651	.647
Germany <sup>3/</sup> .....	.152	.232	.187	.197	.216	.217	.227	.215	.250	.217	.171
Italy.....	.583	.817	.782	.643	.619	.626	.595	.573	.548	.430	.497
Netherlands.....	.294	.509	.516	.587	.663	.647	.609	.650	.744	.662	.500
Spain.....	.264	.328	.295	.306	.352	.291	.281	.231	.287	.275	.324
European Net Exporters											
Norway.....	.003	.006	.002	-	-	.000	.011	.000	.000	.000	.000
United Kingdom...	.144	.173	.164	.212	.240	.250	.222	.220	.303	.174	.135
Smaller European Importers											
Austria.....	.023	.011	.026	.025	.022	.016	.021	.031	.036	.038	.035
Belgium.....	.088	.182	.162	.224	.277	.250	.279	.292	.291	.232	.254
Denmark.....	.022	.024	.047	.063	.067	.043	.004	.000	.002	.000	.000
Ireland.....	.000	-	-	-	-	-	-	-	-	-	-
Finland.....	.037	.021	.022	.011	.012	.011	.021	.023	.002	.002	.002
Greece.....	.122	.204	.211	.146	.181	.268	.219	.291	.253	.214	.223
Portugal.....	.076	.088	.069	.066	.085	.073	.067	.074	.050	.117	.107
Sweden.....	.006	.036	.029	.045	.043	.039	.064	.068	.088	.076	.115
Switzerland.....	.006	.008	.008	.007	.007	.007	.007	.007	.008	.012	.007
Turkey.....	.265	.289	.348	.411	.323	.307	.324	.349	.429	.405	.343
Japan.....	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.586	3.721	3.946	3.980
Other OECD.....	.176	.195	.299	.241	.267	.322	.300	.338	.381	.316	.333

<sup>1/</sup> U.S. geographic coverage is the 50 States and District of Columbia.

<sup>2/</sup> "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

<sup>3/</sup> Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.10 United States--Net Oil Imports, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total Net Imports..	4.286	5.439	5.914	6.587	7.202	7.161	6.626	6.938	7.618	7.986	7.883
Imports from OPEC <sup>1/</sup>	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.012	4.255	4.230	4.208
Imports from Persian Gulf <sup>2/</sup>											
Total.....	.304	.909	1.072	1.526	1.857	1.961	1.835	1.774	1.775	1.722	1.563
Bahrain.....	-.001	.001	-.001	.000	-.001	-.001	-.001	-.002	-.002	-.002	-.003
Iran.....	.027	.019	.098	.000	.000	.000	.032	.000	.000	.000	.000
Iraq.....	.046	.081	.083	.343	.449	.518	.000	.000	-	-	-
Kuwait.....	.021	.068	.082	.092	.157	.086	.006	.051	.353	.312	.218
U.A.E.....	.044	.043	.059	.028	.027	.016	.001	.004	.009	.011	.004
Qatar.....	.000	.013	.000	.000	.002	.004	.000	.001	.001	.000	.000
Saudi Arabia.....	.168	.685	.751	1.063	1.224	1.339	1.797	1.720	1.414	1.402	1.344
Imports from OPEC-Africa											
Total.....	.536	.737	.867	.934	1.134	1.144	1.040	1.000	1.108	1.074	1.088
Algeria.....	.187	.271	.295	.300	.269	.280	.253	.196	.220	.243	.234
Gabon.....	.052	.026	.037	.016	.050	.064	.084	.124	.152	.194	.229
Libya.....	.004	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.293	.440	.535	.618	.815	.800	.703	.680	.736	.637	.625
Imports from OPEC-South America											
Total.....	.602	.788	.801	.790	.861	1.016	1.020	1.161	1.295	1.322	1.468
Venezuela.....	.602	.788	.801	.790	.861	1.016	1.020	1.161	1.295	1.322	1.468
Imports from OPEC-Far East											
Total.....	.313	.317	.284	.205	.182	.113	.106	.075	.074	.109	.087
Indonesia.....	.313	.317	.284	.205	.182	.113	.106	.075	.074	.109	.087

<sup>1/</sup> OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2/</sup> The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.11 Japan--Net Oil Imports, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total Net Imports..	4.308	4.392	4.418	4.680	5.035	5.239	5.286	5.464	5.467	5.766	5.709
Imports from OPEC <sup>1</sup> /	2.983	3.036	3.198	3.309	3.789	4.070	4.038	4.206	4.282	4.507	4.473
Imports from											
Persian Gulf <sup>2</sup> /											
Total.....	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.586	3.721	3.946	3.980
Bahrain.....	.026	.034	.037	.036	.042	.037	.037	.029	.025	.028	.027
Iran.....	.259	.220	.230	.187	.291	.385	.383	.362	.384	.459	.399
Iraq.....	.063	.164	.105	.173	.219	.146	.000	.000	-	-	-
Kuwait.....	.215	.278	.347	.341	.458	.291	.014	.220	.368	.430	.503
U.A.E.....	.845	.890	.773	.822	.929	1.032	1.285	1.256	1.287	1.398	1.417
Qatar.....	.220	.183	.139	.203	.250	.263	.285	.300	.330	.328	.334
Saudi Arabia.....	.904	.789	1.005	.930	.984	1.240	1.367	1.420	1.327	1.303	1.300
Imports from OPEC-Africa											
Total.....	.010	.016	.023	.044	.016	.020	.022	.015	.046	.029	.032
Algeria.....	.010	.015	.023	.044	.015	.010	.010	.007	.008	.012	.011
Gabon.....	-	-	-	-	.002	.009	.011	.009	.038	.012	.005
Libya.....	.001	.001	-	-	-	-	-	-	-	-	-
Nigeria.....	-	-	-	-	-	.001	.001	.000	.000	.005	.016
Imports from											
OPEC-South America											
Total.....	.014	.012	.012	.011	.011	.011	.010	.010	.009	.009	.002
Venezuela.....	.014	.012	.012	.011	.011	.011	.010	.010	.009	.009	.002
Imports from OPEC-Far East											
Total.....	.452	.486	.563	.599	.631	.682	.673	.624	.533	.551	.486
Indonesia.....	.452	.486	.563	.599	.631	.682	.673	.624	.533	.551	.486

<sup>1</sup>/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2</sup>/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include Crude Oil, Natural Gas Liquids, and Refined Products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.12 OECD Europe--Net Oil Imports, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total Net Imports..	7.381	7.893	7.742	7.774	7.994	8.210	8.588	8.459	8.127	7.355	7.244
Imports from OPEC <sup>1</sup> /	5.395	6.163	5.628	5.873	6.205	6.656	6.857	6.853	6.837	6.446	6.136
Imports from											
Persian Gulf <sup>2</sup> /											
Total.....	2.560	3.513	3.330	3.428	3.754	3.908	3.660	3.666	4.048	3.506	3.358
Bahrain.....	.004	.002	.001	.009	.005	.020	.002	.003	.004	.003	.000
Iran.....	.648	.511	.732	.850	1.076	1.190	1.132	1.113	1.253	1.074	1.170
Iraq.....	.673	.717	.905	.959	.897	.591	.000	.000	.000	.000	.000
Kuwait.....	.356	.456	.469	.474	.452	.346	.019	.142	.461	.302	.232
U.A.E.....	.131	.164	.206	.134	.214	.446	.281	.199	.092	.067	.013
Qatar.....	.051	.054	.040	.021	.024	.026	.009	.006	.000	.000	.002
Saudi Arabia.....	.698	1.609	.978	.981	1.086	1.290	2.217	2.203	2.237	2.060	1.940
Imports from OPEC-Africa											
Total.....	2.524	2.398	2.089	2.230	2.241	2.533	2.947	2.913	2.535	2.706	2.503
Algeria.....	.659	.615	.627	.646	.648	.683	.757	.772	.693	.690	.686
Gabon.....	.077	.090	.031	.031	.017	.024	.129	.095	.044	.061	.033
Libya.....	.948	.967	.962	1.071	1.044	1.267	1.332	1.361	1.193	1.233	1.208
Nigeria.....	.841	.727	.469	.481	.532	.559	.729	.686	.605	.721	.576
Imports from											
OPEC-South America											
Total.....	.307	.252	.208	.220	.212	.227	.249	.268	.240	.219	.259
Venezuela.....	.307	.252	.208	.220	.212	.227	.249	.268	.240	.219	.259
Imports from OPEC-Far East											
Total.....	.008	.002	.002	.005	.004	.008	.002	.009	.019	.019	.016
Indonesia.....	.008	.002	.002	.005	.004	.008	.002	.009	.019	.019	.016

<sup>1</sup>/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2</sup>/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.13 France--Net Oil Imports, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total Net Imports..	1.654	1.682	1.742	1.718	1.711	1.750	1.869	1.784	1.761	1.615	1.721
Imports from OPEC <sup>1/</sup>	.884	.948	.684	.737	.875	1.101	1.101	.998	1.047	.989	.919
Imports from Persian Gulf <sup>2/</sup>											
Total.....	.476	.586	.459	.484	.647	.864	.708	.640	.757	.651	.647
Bahrain.....	-	.001	-	.007	.002	.011	.000	.001	.002	.000	.000
Iran.....	.082	.065	.088	.012	.158	.182	.171	.151	.243	.156	.208
Iraq.....	.138	.109	.151	.143	.128	.062	.000	.000	-	-	-
Kuwait.....	.035	.023	.044	.017	.021	.015	.011	.029	.032	.016	.022
U.A.E.....	.054	.035	-	.017	.040	.233	.064	.033	.025	.003	.002
Qatar.....	.034	.030	.002	.017	.009	.022	.003	.002	.000	.000	.000
Saudi Arabia.....	.134	.324	.175	.271	.288	.339	.459	.424	.454	.477	.416
Imports from OPEC-Africa											
Total.....	.387	.344	.212	.249	.218	.233	.376	.348	.283	.335	.270
Algeria.....	.109	.089	.072	.079	.089	.092	.107	.105	.066	.089	.103
Gabon.....	.043	.065	-	-	-	.000	.080	.066	.041	.034	.008
Libya.....	.070	.061	.064	.090	.065	.079	.104	.087	.063	.059	.043
Nigeria.....	.165	.129	.076	.079	.064	.062	.084	.090	.112	.153	.115
Imports from OPEC-South America											
Total.....	.020	.019	.012	.011	.012	.015	.017	.011	.010	.003	.002
Venezuela.....	.020	.019	.012	.011	.012	.015	.017	.011	.010	.003	.002
Imports from OPEC-Far East											
Total.....	.002	.000	-	-	.000	.000	.001	.001	.000	.000	.000
Indonesia.....	.002	.000	-	-	.000	.000	.001	.001	.000	.000	.000

<sup>1/</sup> OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2/</sup> The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include Crude Oil, Natural Gas Liquids, and Refined Products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.14 Germany--Net Oil Imports, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total Net Imports..	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.739	2.723	2.731	2.695
Imports from OPEC <sup>1/</sup>	.787	.831	.679	.761	.739	.776	.871	.964	.948	.841	.714
Imports from Persian Gulf <sup>2/</sup>											
Total.....	.152	.232	.187	.197	.216	.217	.227	.215	.250	.217	.171
Bahrain.....	.000	-	-	-	-	-	-	-	.000	.001	.000
Iran.....	.053	.041	.020	.051	.041	.055	.053	.021	.053	.040	.031
Iraq.....	.008	.016	.052	.032	.009	.004	.000	.000	-	-	-
Kuwait.....	.021	.021	.017	.013	.022	.013	.000	.009	.022	.026	.015
U.A.E.....	.006	.004	.024	.006	.023	.016	.012	.002	.002	.001	.000
Qatar.....	-	-	.001	.001	.002	.003	.002	.001	.000	.000	.000
Saudi Arabia.....	.064	.151	.072	.095	.119	.125	.161	.182	.173	.149	.124
Imports from OPEC-Africa											
Total.....	.532	.485	.405	.472	.436	.469	.537	.620	.594	.546	.465
Algeria.....	.130	.137	.146	.141	.106	.098	.126	.183	.195	.161	.135
Gabon.....	.003	.001	.004	-	-	.005	.013	.006	.000	.003	.004
Libya.....	.201	.152	.160	.237	.235	.244	.262	.252	.244	.244	.234
Nigeria.....	.197	.195	.095	.095	.095	.123	.136	.179	.154	.139	.093
Imports from OPEC-South America											
Total.....	.103	.113	.086	.091	.086	.088	.107	.128	.105	.079	.078
Venezuela.....	.103	.113	.086	.091	.086	.088	.107	.128	.105	.079	.078
Imports from OPEC-Far East											
Total.....	.000	.001	.002	-	-	.002	.000	.000	.000	.000	.000
Indonesia.....	.000	.001	.002	-	-	.002	.000	.000	.000	.000	.000

<sup>1/</sup> OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2/</sup> The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Data through 1990 are for the former West Germany. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.15 Italy--Net Oil Imports, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total Net Imports..	1.603	1.642	1.718	1.590	1.716	1.788	1.769	1.839	1.747	1.778	1.837
Imports from OPEC <sup>1/</sup>	1.205	1.362	1.307	1.192	1.261	1.375	1.399	1.343	1.222	1.117	1.216
Imports from Persian Gulf <sup>2/</sup>											
Total.....	.583	.817	.782	.643	.619	.626	.595	.573	.548	.430	.497
Bahrain.....	.002	.001	.000	-	.001	.000	.001	.001	.000	.000	.000
Iran.....	.146	.135	.141	.093	.124	.192	.231	.239	.221	.143	.235
Iraq.....	.139	.114	.167	.198	.138	.079	.000	.000	-	-	-
Kuwait.....	.132	.147	.142	.118	.093	.063	.000	.007	.012	.001	.000
U.A.E.....	.024	.051	.109	.060	.085	.075	.044	.013	.002	.000	.000
Qatar.....	.007	.004	.029	.002	.008	.000	.004	.001	.000	.000	.002
Saudi Arabia.....	.134	.364	.194	.171	.171	.216	.315	.312	.313	.286	.260
Imports from OPEC-Africa											
Total.....	.552	.507	.489	.517	.627	.740	.799	.757	.653	.661	.690
Algeria.....	.110	.087	.109	.108	.150	.155	.155	.140	.096	.099	.102
Gabon.....	.001	.001	-	.001	.001	.000	.006	.000	.000	.001	.000
Libya.....	.299	.309	.342	.389	.430	.556	.581	.584	.542	.543	.570
Nigeria.....	.142	.110	.038	.019	.045	.029	.057	.034	.015	.018	.017
Imports from OPEC-South America											
Total.....	.072	.039	.037	.029	.014	.007	.004	.005	.002	.007	.014
Venezuela.....	.072	.039	.037	.029	.014	.007	.004	.005	.002	.007	.014
Imports from OPEC-Far East											
Total.....	-	-	-	.002	.002	.003	.001	.009	.019	.019	.015
Indonesia.....	-	-	-	.002	.002	.003	.001	.009	.019	.019	.015

<sup>1/</sup> OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

<sup>2/</sup> The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include Crude Oil, Natural Gas Liquids, and Refined Products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.16 OECD Imports from Iraq, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total.....	0.784	0.964	1.103	1.489	1.581	1.276	0.000	0.000	0.000	0.000	0.000
United States <sup>1</sup> /....	.046	.081	.083	.343	.449	.518	.000	.000	-	-	-
Canada.....	-	-	.010	.001	.013	.011	.000	.000	-	-	-
OECD Europe <sup>2</sup> /.....	.673	.717	.905	.959	.897	.591	.000	.000	.000	.000	.000
Main European Importers											
France.....	.138	.109	.151	.143	.128	.062	.000	.000	-	-	-
Germany <sup>3</sup> /.....	.008	.016	.052	.032	.009	.004	.000	.000	-	-	-
Italy.....	.139	.114	.167	.198	.138	.079	.000	.000	-	-	-
Netherlands.....	.022	.067	.034	.039	.101	.117	.000	.000	-	-	-
Spain.....	.123	.117	.080	.092	.109	.063	.000	.000	-	-	-
European Net Exporters											
United Kingdom....	.041	.071	.082	.070	.034	.027	.000	.000	-	-	-
Smaller European Importers											
Austria.....	.007	-	.015	.007	.000	.000	.000	.000	-	-	-
Belgium.....	.019	.026	.049	.037	.047	.029	.000	.000	-	-	-
Denmark.....	.000	-	.001	-	-	.000	.000	.000	-	-	-
Greece.....	.038	.030	.065	.059	.052	.044	.000	.000	-	-	-
Portugal.....	.018	.024	.019	.029	.024	.019	.000	.000	-	-	-
Sweden.....	.000	-	.003	.003	.005	.000	.000	.000	-	-	-
Switzerland.....	-	-	.000	-	.000	.000	.000	.000	-	-	-
Turkey.....	.121	.143	.188	.250	.250	.146	.000	.000	.000	.000	.000
Japan.....	.063	.164	.105	.173	.219	.146	.000	.000	-	-	-
Other OECD.....	.001	.002	.000	.013	.003	.011	.000	.000	-	-	-

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

**Table 4.17 OECD Imports from Kuwait, 1985-1995**  
(Million Barrels per Day)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
	Average										
Total.....	0.624	0.829	0.925	0.936	1.084	0.740	0.039	0.414	1.191	1.081	0.962
United States <sup>1</sup> /....	.021	.068	.082	.092	.157	.086	.006	.051	.353	.312	.218
Canada.....	-	-	-	-	-	.004	-	-	.000	.027	.000
OECD Europe <sup>2</sup> /.....	.356	.456	.469	.474	.452	.346	.019	.142	.461	.302	.232
Main European Importers											
France.....	.035	.023	.044	.017	.021	.015	.011	.029	.032	.016	.022
Germany <sup>3</sup> /.....	.021	.021	.017	.013	.022	.013	.000	.009	.022	.026	.015
Italy.....	.132	.147	.142	.118	.093	.063	.000	.007	.012	.001	.000
Netherlands.....	.098	.122	.150	.189	.194	.151	.002	.052	.254	.179	.145
Spain.....	.003	.020	.015	.030	.015	.010	.003	.000	.015	.000	.000
European Net Exporters											
Norway.....	-	-	-	-	-	-	-	-	.000	.000	.000
United Kingdom....	.023	.014	.011	.006	.006	.045	.002	.027	.049	.058	.039
Smaller European Importers											
Austria.....	-	-	-	.004	.002	.000	.000	.000	.000	.000	.000
Belgium.....	.002	.006	.000	-	-	.000	.001	.006	.056	.005	.000
Denmark.....	.021	.020	.045	.060	.066	.034	.000	.000	.000	.000	.000
Finland.....	.000	-	-	-	-	-	.000	-	-	-	-
Greece.....	.005	.038	.030	.015	.009	.000	.000	.002	.005	.001	.000
Portugal.....	-	-	.001	.003	.003	.002	.000	.000	.000	.000	.000
Sweden.....	.002	-	-	-	.001	.001	.000	.000	.002	.000	.000
Switzerland.....	-	-	-	-	-	-	.000	.000	.000	.000	.000
Turkey.....	.012	.046	.013	.019	.019	.011	.000	.010	.016	.016	.012
Japan.....	.215	.278	.347	.341	.458	.291	.014	.220	.368	.430	.503
Other OECD.....	.032	.028	.026	.029	.017	.013	.000	.000	.009	.011	.009

<sup>1</sup>/ U.S. geographic coverage is the 50 States and District of Columbia.

<sup>2</sup>/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

<sup>3</sup>/ Data through 1990 are for the former West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.

Sources: See end of Section 4.

## Sources for Section 4 (Historical Oil Data)

### Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: • Energy Information Administration (EIA), Petroleum Supply Annual 1995; • Bureau of Mines, Mineral Industry Surveys, Petroleum Statement, Annual, various issues.

Other Countries: • EIA, International Energy Annual, various issues. • EIA, International Petroleum Annual, 1978. • United Nations, Yearbook of World Energy Statistics, 1979. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

### Oil Stocks

United States: EIA, Petroleum Supply Annual 1995.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics database, 1980-1995.

### Oil Demand

United States: EIA, Petroleum Supply Annual 1995.

Other OECD Countries: • OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Annual Oil Statistics data base, 1970-1979. • OECD, Monthly Oil Statistics database, 1980-1995.

### Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1995.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD Monthly Oil Statistics database, 1991-1995.

## **Appendix A**

### **Organizational and Geographical Definitions**

## Appendix A. Organizational and Geographical Definitions

**International Energy Agency (IEA)** countries are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

**Organization for Economic Cooperation and Development (OECD)** countries are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States. Total OECD includes the United States Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). Total OECD excludes data for Mexico which are not yet available.

**OECD Europe** countries are: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

**Organization of Petroleum Exporting Countries (OPEC)** members are: Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. As of December 31, 1992, Ecuador withdrew its membership in OPEC. For consistency, Ecuador is excluded in the historical series of OPEC totals.

**Arab members of OPEC** are: Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia and the United Arab Emirates.

**Organization of Arab Petroleum Exporting Countries (OAPEC)** are: Algeria, Bahrain, Egypt, Iraq, Kuwait, Libya, Neutral Zone, Qatar, Saudi Arabia, Syria, Tunisia, and the United Arab Emirates. In April 1979 Egypt was suspended from OAPEC membership. In May 1989 Egypt rejoined OAPEC. For consistency, Egypt is included in the historical series of the OAPEC totals.

**Persian (Arabian) Gulf countries** are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

The term "Former USSR" is being used in the International Petroleum Statistics Report as a purely geographical expression, referring to the Commonwealth of Independent States (CIS), Georgia, and the three Baltic States (Estonia, Latvia, and Lithuania).

**Appendix B**

**Explanatory Notes**

## Appendix B. Explanatory Notes

### Note 1: World Oil Supply

Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery gain, alcohol, and liquids produced from coal and other sources. Beginning in 1993, U.S. data includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

### Note 2: Oil Stocks

The International Energy Agency (IEA) assembles and reports total oil stock data for the member countries of the Organization for Economic Cooperation and Development (OECD). Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. In its report titled Quarterly Oil Statistics and Energy Balances of OECD Countries, the IEA defines oil stocks as follows: "All non-military stocks held by importers (including all final consumers directly), refiners, Governments, major non-importing final consumers eligible under IEA/OECD commitments and by foreign entities in the following facilities: bulk terminals, refinery tanks, pipeline tankage, barges, intercoastal tankers (when port of departure and destination are in the reporting country), tankers in port (to the extent that their cargo is to be unloaded in the reporting country), and inland ship bunkers. Oil is reported regardless of the ownership of such storage facilities." IEA data exclude "oil held in pipelines, rail and truck tank cars, sea-going ships' bunkers, service stations, retail stores and tankers at sea." Also the IEA defines the United States to be the 50 States and the District of Columbia, and the U.S. Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). The Energy Information Administration (EIA) does not include the United States Territories in its statistical definition of the United States. Further, the EIA includes oil in oil pipelines as part of its stock data. Tables 1.5, 1.6, 2.3, and 4.4 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of December 1995 United States (including territories) oil stocks totaled 1,422 million barrels.

### Note 3: A Change to the Oil Balance in Section 2.

Prior to August 1992, Section 2 of the International Petroleum Statistics Report presented a balance of oil supply, demand, and stock change for the Market Economies, at quarterly time intervals. The communist countries, or Centrally Planned Economies (CPEs) were not included in the balance, mainly because good quarterly data for oil demand in these countries were not available. Net imports from the CPEs were included in the balance as part of total Market Economies supply. At present, the former Soviet Union and most of the countries of Eastern Europe are in transition from communism to market economies; because of this there are no longer good political or economic reasons to publish an oil balance only for the countries that have traditionally been market economies. Beginning with the August 1992 edition, Section 2 of the International Petroleum Statistics Report was changed from a Market Economies oil balance to a world oil balance.

The main data issues related to this change may be summarized as follows:

Supply Data. Monthly oil supply data are available for all countries of the world. These data are used to generate Tables 1.1 to 1.4; they were used to expand the Section 2 supply table (Table 2.2) to the whole world.

Demand Data. EIA has now developed quarterly figures for world oil demand, including demand in the former CPEs; these are published in Table 4 of EIA's Short-Term Energy Outlook. The procedures involved in developing quarterly world demand numbers may be summarized as follows:

Complete monthly data are available for the 24 OECD countries. Annual demand data for all countries (about 200 countries) are presented in EIA's International Energy Annual. In 1993, the OECD accounted for about three-fifths of total world demand, the 25 largest consumers outside of the OECD accounted for about one-third of the world total, and the remaining countries (about 150 countries) accounted for less than one-tenth of the total. The key problem, therefore, is to develop good figures for the 25 largest consumers outside the OECD.

Of these 25 countries, by far the largest consumer is Russia, which in 1993 accounted for about one-sixth of the demand in the group of 25. The next largest consumer is China, which in 1993 accounted for about one-seventh of the demand in the group. Thus in 1993 Russia and China accounted for one-third of the demand in the group of 25. For these 2 countries, data are available on oil production and net exports. The demand numbers shown in Section 2 are computed as production minus net exports. This is the same procedure used in the EIA Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other respected publications that deal with international oil markets. Note, however, that this method of computing demand ignores both refinery gain and stock changes.

For other major consuming countries outside of the OECD, quarterly demand data are developed based upon the latest available annual data, analytic judgment about current trends, and some seasonal adjustments. These are the same procedures used for the Short-Term Energy Outlook.

Stocks Data. Reliable stocks data are available for the OECD countries. Estimates of stocks for export and afloat, and of commercial floating stocks, are available. (See sources at the end of Section 2.)

For on-land stocks outside the OECD, there is little reliable data. Most estimates of on-land stocks outside the OECD are based on the theory that stocks are approximately equal to some number of days of demand. Demand figures (which themselves involve some degree of estimation) are then used to compute estimates of stock levels.

In the International Petroleum Statistics Report, it had been the practice for some time to estimate that on-land stocks in the traditional market economies outside of the OECD were equal to 55 days of demand. This was acceptable, mainly because the rule was used only to estimate a relatively small part of total stocks (about 16 percent).

When Section 2 was converted from a Market Economies oil balance to a world oil balance, there were important changes in the conditions that made it reasonable to estimate on-land stocks outside of the OECD using the rule of 55 days of demand. When the CPEs are included, the stocks that must be estimated are a considerably larger part of the total. In 1990, total oil demand in the former CPEs was more than 80 percent as large as demand in all of the non-OECD traditional market economies. Thus the quantity of stocks that would have to be estimated using a 55-day rule would nearly double, and the estimated components of stock levels and stock changes would become relatively large parts of the total. One consequence of this is that the statistical discrepancy (as shown in Table 2.1) would become less useful as an indicator of the overall consistency of the data. The statistical discrepancy is computed from supply, demand, and stock change. If a large part of the stock change is estimated, then the statistical discrepancy loses much of its significance.

As already noted, quarterly demands in the former Soviet Union and in China are computed as production minus net exports. This computation implicitly assumes a zero stock change. Demand in the former Soviet Union is falling. If we were to use a 55-day rule to compute stock levels, falling demand would imply falling stock levels. This would contradict the assumption of zero stock change which was used in computing demand.

In view of all this, the following approach has been adopted. Table 2.3 now shows levels of stocks for the OECD countries, levels of stocks for export and afloat, and levels of commercial floating storage. Stock changes based on these stock levels are shown in Table 2.1. At this time, no other stock levels are shown. Table 2.1 now has a single line labelled "Other Stock Draw and Statistical Discrepancy", which contains the computed values needed to make the table balance.

It may become possible in the future to obtain reliable information on certain categories of on-land stocks outside the OECD. If such data become available, they will be added to Table 2.3, and the corresponding stock change information will be added to Table 2.1.

Changes in Formats and Sign Conventions. There were several changes in Section 2 to make the International Petroleum Statistics Report more consistent with other EIA publications, especially with the Short-Term Energy Outlook. The numbers were changed from 1 decimal place to 2 decimal places. The word "consumption", as used before August 1992, was changed to "demand". The sign convention for stock changes in Table 2.1 was changed. Stock draws are now indicated by positive numbers, and stock additions are indicated by negative numbers. Table 2.1 also uses a new sign convention for the line labelled "Other Stock Draw and Statistical Discrepancy". The values in this line are now computed as Total Demand minus the sum of Total Supply and Total Reported Stock Draw. This is the reverse of the sign convention used before August 1992.

Summary. Section 2 was expanded from a Market Economies oil balance to a world oil balance. Supply data are tracked for all producing countries. Demand data are tracked for the 24 OECD countries, and for 25 large consumers outside of the OECD. Demand for the remaining countries (less than 10 percent of total demand) is estimated, for years that are not yet available in the International Energy Annual. The stock levels in these tables are based on reported data for the OECD and for stocks at sea. The line in Table 2.1 labelled "Other Stock Draw and Statistical Discrepancy" is a balancing item.

**Appendix C**

**Glossary**

## Appendix C. Glossary

**Alcohol.** The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The molecules in the series vary in chain length and are composed of a hydrocarbon plus a hydroxyl group. Alcohol includes methanol and ethanol.

**Demand (Consumption/Petroleum Products Supplied).** Total petroleum products supplied is the sum of all petroleum products supplied. For each product, the amount supplied is calculated by summing production, crude oil burned directly, imports, and net withdrawals from primary stocks and subtracting exports.

**Crude Oil.** A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface-separating facilities. Crude oil production is measured at the wellhead and includes lease condensate.

**Government-Owned Stocks.** Oil stocks owned by the national government and held for national security. In the United States these stocks are known as the Strategic Petroleum Reserve.

**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).

**Natural Gas Plant Liquids.** 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, (propanes, 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.

**Oil Stocks.** Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. See Explanatory Note 2.

**Other Hydrocarbons.** Other materials processed at refineries. Includes coal tar derivatives, hydrogen, gilsonite, and natural gas received by the refinery for reforming into hydrogen.

**Oxygenates.** Any substance which, when added to gasoline, increases the amount of oxygen in that gasoline blend. They include: Fuel Ethanol, Methanol, and MTBE (Methyl tertiary butyl ether).

**Petroleum Products.** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, 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 road oil, still gas, and other miscellaneous products.

**Processing Gain.** The amount by which the total volume of refinery output is greater than the volume of input for given period of time. The processing gain arises when crude oil and other hydrocarbons are processed into products that are, on average, less dense than the input.

**Processing Loss.** The amount by which the total volume of refinery output is less than the volume of input for given period of time. The processing loss arises when crude oil and other hydrocarbons are processed into products that are, on average, more dense than the input.

## **Appendix D**

### **Estimation Procedures**

## Appendix D. Estimation Procedures

Estimation procedures are used for demand numbers in many of the countries outside of the OECD, in cases where data from EIA's International Energy Annual are not yet available. Demand numbers for 1992 and earlier years, for all countries, may be found in EIA's International Energy Annual 1993, published in May 1995, which is the most recent published edition of the International Energy Annual. EIA's WORLD ENERGY database contains final demand data for all countries of the world for 1993, and preliminary demand data for all countries for 1994. Instructions for downloading this database may be found on EIA's home page (<http://www.eia.doe.gov/emeu/world/main1.html>). The status of the demand numbers shown in Section 2 of this current International Petroleum Statistics Report may be summarized as follows.

The OECD demand numbers are, as usual, based on the latest Quarterly Oil Statistics and Monthly Oil Statistics tapes from the International Energy Agency.

For countries outside of the OECD, the following approach is used. The numbers for 1994 and earlier years match the demand numbers in the WORLD ENERGY database on EIA's home page. Numbers for 1995 forward are the best available EIA estimates, based upon the best annual data currently available, analytic judgment about current trends, and some seasonal adjustments. These are the same numbers that appear in the international oil balance table in EIA's Short-Term Energy Outlook.

The two largest non-OECD oil consumers are the former Soviet Union and China. For these two countries, published data are available on production and net exports. Demand is computed as production minus net exports. This is the same approach used in the Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other major publications dealing with international oil data. Note, however, that because of this computation, the demand numbers for the former Soviet Union and China implicitly exclude stock draw and refinery gain.

## **Appendix E**

### **Refined Petroleum Products Conversion Factors**

**Table E1. Refined Petroleum Products Conversion Factors**

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Product	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, Naptha-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

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**Table E2. Barrels of Crude Oil per Metric Ton, 1983-1993**

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>North America</b>											
Canada.....	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453
Mexico.....	7.108	7.108	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	7.333
<b>Central &amp; South America</b>											
Argentina.....	7.149	7.149	7.149	7.149	7.149	7.149	7.149	7.149	7.149	7.149	7.149
Barbados.....	7.286	7.286	7.286	7.286	7.286	7.286	7.286	7.286	7.286	7.286	7.286
Bolivia.....	7.881	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	7.268	7.268	7.268	7.268	7.268	7.268	7.268
Chile.....	7.506	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	7.084	7.084	7.084	7.084	7.084	7.084	7.084
Cuba.....	6.449	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	7.130
Guatemala.....	7.210	7.210	7.210	7.210	7.210	7.210	7.210	7.210	7.210	7.210	7.210
Peru.....	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407
Suriname.....	--	--	6.199	6.199	6.199	6.199	6.199	6.199	6.199	6.199	6.199
Trinidad and Tobago.....	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
Venezuela.....	6.795	6.795	6.880	6.880	6.880	6.880	6.880	6.880	6.880	6.880	6.880
<b>Western Europe</b>											
Austria.....	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082
Denmark.....	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689
France.....	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Germany.....	7.295	7.295	7.295	7.295	7.295	7.295	7.295	7.295	7.295	7.295	7.295
Greece.....	7.178	7.178	7.178	7.178	7.178	7.178	7.178	7.178	7.178	7.178	7.178
Italy.....	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853
Netherlands.....	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853
Norway.....	7.810	7.810	7.810	7.810	7.810	7.810	7.810	7.810	7.810	7.810	7.810
Spain.....	7.506	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
Turkey.....	7.150	7.150	7.150	7.150	7.150	7.150	7.150	7.150	7.150	7.150	7.150
United Kingdom.....	7.466	7.466	7.466	7.466	7.466	7.466	7.466	7.466	7.466	7.466	7.466
Former Yugoslavia.....	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418

-- = No Production of this form of energy.

Sources: International Energy Annual 1993. DOE/EIA-0219(93) (95/05) (May 1995).

**Table E2. Barrels of Crude Oil per Metric Ton, 1983-1993 (Continued)**

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Eastern Europe &amp; Former U.S.S.R.</b>											
Albania.....	6.594	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	7.332
Former Czechoslovakia.....	6.780	6.780	6.780	6.780	6.780	6.780	6.780	6.780	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	6.690
Poland.....	7.418	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	7.506
Former U.S.S.R.....	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
<b>Middle East</b>											
Bahrain.....	7.320	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	7.305
Iraq.....	7.426	7.426	7.426	7.426	7.426	7.426	7.426	7.426	7.426	7.426	7.426
Israel.....	7.247	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
Kuwait.....	7.245	7.245	7.245	7.245	7.245	7.245	7.245	7.245	7.245	7.245	7.245
Oman.....	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Qatar.....	7.500	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	7.268	7.268	7.268	7.268	7.268	7.268	7.268
Syria.....	6.836	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	7.480
Yemen.....	--	--	--	7.627	7.636	7.632	7.632	7.631	7.631	7.631	7.631
<b>Africa</b>											
Algeria.....	7.936	7.936	7.936	7.936	7.936	7.936	7.936	7.936	7.936	7.936	7.936
Angola.....	7.409	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	6.870
Cameroon.....	7.205	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	7.506
Egypt.....	7.256	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
Gabon.....	7.305	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	7.285	7.285	7.285	7.285	7.285	7.285
Ivory Coast.....	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Libya.....	7.515	7.515	7.515	7.515	7.515	7.515	7.515	7.515	7.515	7.515	7.515
Morocco.....	7.600	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	7.315
Tunisia.....	7.689	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	7.320

-- = No Production of this form of energy.

Sources: International Energy Annual 1993. DOE/EIA-0219(93) (95/05) (May 1995).

**Table E2. Barrels of Crude Oil per Metric Ton, 1983-1993 (Continued)**

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Far East &amp; Oceania</b>											
Australia.....	7.720	7.855	7.855	7.855	7.855	7.855	7.855	7.855	7.855	7.855	7.855
Bangladesh.....	--	--	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	7.340
China.....	7.320	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	7.600
Indonesia.....	7.558	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	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Malaysia.....	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641
Myanmar (Burma).....	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
New Zealand.....	8.127	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	7.500
Papua New Guinea.....	--	--	--	--	--	--	--	--	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	7.285
Taiwan.....	6.568	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	6.758
Vietnam.....	--	--	--	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082

-- = No Production of this form of energy.

Sources: International Energy Annual 1993. DOE/EIA-0219(93) (95/05) (May 1995).