International Petroleum Statistics Report

January 1997

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International Petroleum Statistics Report

January 1997

Energy Information Administration
Office of Energy Markets and End Use
U.S. Department of Energy
Washington, DC 20585

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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, 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 1985 through 1995.

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.

General information about this publication may be obtained from W. Calvin Kilgore, Director, Office of Energy Markets and End Use, (202) 586-1617, and from Mark E. Rodekohr, Director, Energy Markets and Contingency Information Division, (202) 586-1130. Detailed questions and comments concerning the contents of the International Petroleum Statistics Report may be directed to Louis D. DeMouy, Chief, International Statistics Branch, (202) 586-6557; Michael J. Maloney (202) 586-9415, Patricia A. Smith (202) 586-6925, H. Vicky McLaine (202) 586-9412 or to Michael J. Grillot (202) 586-6577; Oil Market Chronology - Douglas MacIntyre (202) 586-1831.

Note: As of December 31, 1994, Gabon withdrew its membership in the Organization of Petroleum Exporting Countries (OPEC). For consistency, Gabon is excluded in the historical series of OPEC totals.

Oil Market Chronology -- December 1996

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

- December 1** The London press reports that the al-Yamamah oil-for-arms deal among British Petroleum (BP), Royal Dutch/Shell, and Saudi Arabia will not be renewed in 1997. Under the arrangement, BP and Shell earn roughly \$30 million per year in commission from their combined sales of 400,000 barrels per day of Saudi oil. During the past 10 years, earnings from the oil sales were deposited in a Bank of England account to pay British Aerospace for weapons purchases by Saudi Arabia. (DJ)
- December 2** In northeastern India, a bomb blast damages two regional crude oil pipelines. The main line and a loop line have a combined throughput of 100,000 barrels per day. The United Liberation Front of Assam is believed responsible for the blast. The disruption of crude flows does not affect refinery operations in Assam. (DJ)
- December 3** After bad weather causes high swells, Petroleos Mexicanos (Pemex) shuts its three largest ports on the Gulf of Mexico. The temporary closures of the ports at Cayo Arcas, Pajaritos, and Dos Bocas add pressure to already high world oil prices and aid in boosting crude oil futures for West Texas Intermediate to \$24.80/barrel. During the first 10 months of 1996, Mexican oil production averaged 2.85 million barrels per day. Roughly 1.5 million barrels per day of this output is exported through Pemex's ports on the Gulf of Mexico. Mexico currently is the third largest source of U.S. oil imports, behind only Venezuela and Saudi Arabia. (DMN, NYT)
- Petroleos de Venezuela (PDVSA) decides to postpone the multi-billion dollar Cristobal Colon liquefied natural gas (LNG) project for at least five years. The project would have involved a consortium of companies comprising PDVSA's subsidiary Lagoven (33 percent), Exxon (29 percent), Shell (30 percent), and Mitsubishi (8 percent). The proposed LNG plant would have produced 1 billion cubic feet per day of gas from the 11 trillion cubic feet of reserves in Venezuela's Paria Peninsula. The decision to postpone the project is reported to be made because of currently low world gas prices which make the project uneconomical. (PON)
- December 5** Near Urukutsk in eastern Siberia, a distillation unit under repair at the 464,000-barrel-per-day Angarsk refinery explodes, killing three and hospitalizing four workers. (DJ)
- Saga Petroleum, Norway's largest independent oil company, purchases Kuwait Petroleum Company-owned Santa Fe Exploration for \$1.23 billion. Santa Fe has stakes in six producing North Sea oil fields, including Miller, Alba, and Gryphon. It also has a nine percent share in the Britannia gas field development. The acquisition will raise Saga's North Sea oil production from current levels of 50,000 barrels per day to 190,000 barrels per day. (FT, WSJ)
- December 6** Chevron and Mobil sign separate agreements to restructure the Caspian Pipeline Consortium (CPC) contract. Both of the companies agree to exercise their respective rights to boost their equity interest in CPC. After the contract revisions, the largest stakes in CPC will be held by Russia (24 percent) and Chevron (15 percent). Mobil will hold a 7.5 percent interest in the \$2-billion project to link Kazakhstan's Tengiz oil field to an export terminal near Russia's Black Sea port at Novorossiysk. (DJ)
- Canada-based Arakis Energy states that a consortium has been formed to build a \$1-billion export pipeline linking oil fields in southern Sudan to Port Sudan on the Red Sea coast. The consortium will comprise China National Petroleum Corporation (40 percent), Malaysia's Petronas Carigali (30 percent), Arakis (25 percent), and a Sudanese government-owned company (5 percent). Assuming that financing can be obtained, Arakis hopes to begin initial exports of 150,000 barrels per day by 1999. (DJ)
- Following a week-long strike by 400 employees of Shell Gas (Lanka) Ltd. last month in Sri Lanka, the company says that it has agreed to a wage supplement plan which will ensure continuous operations for the next three years. Prior to the deal, the strike had severely hurt liquefied petroleum gas production and distribution in Sri Lanka. (DJ)

- December 9** The United Nations approves U.N. Resolution 986, which allows Iraq to export up to \$1 billion worth of oil every 90 days for an initial six month period. Income from the oil sales will be used in part for food and other humanitarian supplies. Implementation of the deal recently has been delayed because of Iraq's invasion of Kurdish safe haven areas in September and the U.S. review of the pricing formula in October. (DJ)
- December 10** Turkey's semi-official Anatolia news agency announces that Energy Minister Recai Kutan will soon sign a liquefied natural gas (LNG) purchase agreement with Yemen's Prime Minister Abdulaziz Abdulghani. The deal adds Turkey to the list of customers for the \$4.2-billion LNG plant proposed by a consortium comprising Total, U.S.-based Hunt Oil, Exxon, South Korea's Yukong, and the Yemeni government. The LNG plant will utilize the 16-trillion-cubic feet of reserves from the Marib and al-Jawf regions. The area's current oil production is approximately 170,000 barrels per day. (DJ)
- December 14** Azerbaijan and a consortium of foreign oil companies sign a \$2-billion deal to develop the Dan Ulduzu and Ashrafi crude oil and natural gas fields in the Caspian Sea. The two fields hold estimated combined reserves of 1.1 billion barrels of crude oil and at least 1 trillion cubic feet of natural gas. The consortium comprises the state-owned oil company of Azerbaijan (SOCAR) (20 percent), Amoco (30 percent), Japan's Itochu (20 percent), and a partnership between Unocal and Saudi Arabia's Delta (30 percent). (DJ)
- December 16** The U.S. Department of State releases the guidelines for non-U.S. companies to follow in order to comply with the Iran and Libya Sanctions Act, which penalizes foreign firms that invest in the crude oil and natural gas sectors of those two countries. Since the Act was passed in August 1996, several pertinent developments have occurred, including investments by Total and Petronas in Iran's offshore oil sector, ENI's planned investment in Libyan natural gas field development, and Turkey's recent signature of a long-term, \$22-billion natural gas purchase agreement with Iran. (DJ)
- A consortium comprising Texaco (30 percent), Exxon (30 percent), Amoco (20 percent), and Norsk Hydro (20 percent) signs a protocol production sharing agreement for development of an estimated 2.2 billion barrels of recoverable oil reserves in 11 area fields in Timan-Pechora's Varandey region near the Barents Sea coast. A final agreement is expected to be signed in early 1997. Current plans foresee investments of \$45 billion over the 50-year project life. Although stalled in mid-1996, talks that might allow Rosneft and another Russian partner to acquire a 20 percent stake in the project reportedly are continuing. (DJ)
- December 17** A United Nations (U.N.) panel rules that Kuwait Oil Company will receive \$610 million from Iraq, almost two-thirds of the \$951 million it claims to have spent while extinguishing oil fires left by the retreating Iraqi army in 1991. In addition, the U.N. has approved 862,000 claims amounting to \$3.2 billion for people forced to leave Kuwait because of the Iraqi occupation. (DJ)
- Following the resignation of PetroPeru head Armando Echeandia, PetroPeru officials announce that key parts of the company, including the 62,000-barrel-per-day Talara refinery, will remain under government control. Originally one of the first targets for privatization, the Talara refinery has had its sale date pushed back three times. Until this announcement, roughly 60 percent of its shares were slated for auction in April 1997. While chief of PetroPeru, Echeandia had been a supporter of the company's privatization efforts. (DJ)
- December 18** Nigeria's Liquefied Natural Gas (NLNG) Company sues ENEL, Italy's state electricity utility, for withdrawing from a \$15-billion contract to purchase Nigerian liquefied natural gas (LNG) for a 20-year period. NLNG is planning to build a \$3.8-billion, 5.2-million-ton-per-year LNG plant at Finima, on Bonny Island. NLNG consortium members are Nigerian National Petroleum Company (49 percent), Shell (25.6 percent), Elf (15 percent), and Agip (10.4 percent). Prior to its decision not to build a LNG receiving terminal at Montalto di Castro on the Tuscany coast for economic and environmental reasons, ENEL had agreed to purchase 2.75 million tons per year, or about one-half of NLNG's currently contracted future LNG sales. (FT, DJ)
- During a press conference, Iranian Deputy Foreign Minister Abbas Maleki states that Iran supports "the free flow of oil" through the Strait of Hormuz, but reserves the option of closing off the shipping route if it is threatened. Iran recently has admitted to deploying anti-aircraft and anti-ship missiles on Abu Musa, an island strategically located near the Strait of Hormuz's shipping lanes. (DJ)

- December 19** After recently signing a large 20-year natural gas supply contract, Turkey and Iran announce plans to begin feasibility studies for the construction of a pipeline to carry Iranian crude oil for export from Iskenderun on Turkey's Mediterranean coast. The two countries also agree to renew their annual \$600-million oil sales agreement, which expires in April 1997. (DJ)
- December 20** Clashes between the Front for the Liberation of the Enclave of Cabinda (FLEC) and Angolan government troops continue as the respective forces attempt to capture territory previously held by the National Union for the Total Independence of Angola. According to a FLEC spokesman, a succession of recent clashes has resulted in more than five dozen deaths and has injured more than 100 combatants. About 60 percent of Angola's 700,000-barrels-per-day of oil production originates from fields that are offshore Cabinda. (DJ)
- December 23** After two years of discussions, Qatar Liquefied Gas Company (Qatargas) signs a 12-year, \$570-million loan deal with four international banks. The loan will be used to help finance a \$6-billion, 6-million-ton-per-year liquefied natural gas (LNG) plant, which will consist of three LNG trains supplied by gas from the 270-trillion-cubic-foot North Field. Japan's Chubu Electric has contracted to receive 4 million tons per year of the project's anticipated LNG production. The Qatargas consortium partners are Qatar General Petroleum Corporation (65 percent), Mobil (10 percent), Total (10 percent), and a group of Japanese companies (15 percent). The Qatargas loan agreement follows a recent \$1.2-billion loan deal obtained by competitor Ras Laffan Liquefied Natural Gas Company (Rasgas), which also is planning to build a LNG plant in Qatar. (FT, DJ)
- December 30** The United Nations (U.N.) announces that a total of 21 contracts have been approved for the limited Iraqi oil sales under U.N. Resolution 986. The approved contracts will allow for 43.68 million barrels of oil to be exported in the first 90 days of the sale. At present, exports of 26.37 million barrels have been approved for the second 90-day period of the sale, which allows Iraq to sell up to \$1 billion worth of oil every 90 days for an initial 6-month period. In mid-December 1996, Iraq restarted the Kirkuk-Ceyhan pipeline, which is expected to carry up to 450,000 barrels per day of oil under the sales agreements approved so far under U.N. Resolution 986. Iraq's remaining oil exports will flow through the Mina al-Bakr terminal. (NYT, DJ)

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1. Annual and Monthly Oil Data

Figure 1. World Crude Oil Production, Monthly

Source: Tables 1.1a-1.1c

Figure 2. Leading Crude Oil Producers, Monthly

Source: Tables 1.1a-1.1c

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	Indo- nesia	Iran	Iraq	Kuwait1/	Libya	Nigeria	Qatar	Saudi Arabia1/	United Arab Emirates	Vene- zuela	Total OPEC
1985 Average.....	1,037	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	R16,181
1986 Average.....	945	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	R18,275
1987 Average.....	1,048	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	R18,517
1988 Average.....	1,040	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	R20,324
1989 Average.....	1,095	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	R22,071
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	R23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	R23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	R24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	R25,119
1994 Average.....	1,180	1,514	3,635	553	2,034	1,378	2,037	444	8,147	2,263	2,588	R25,773
1995 January.....	1,180	1,520	3,585	555	2,070	1,390	2,000	455	8,120	2,280	2,600	R25,755
February.....	1,180	1,500	3,685	555	2,070	1,390	1,980	475	8,220	2,280	2,600	R25,935
March.....	1,180	1,510	3,485	555	2,060	1,390	1,890	485	8,110	2,280	2,600	R25,545
April.....	1,180	1,510	3,635	555	2,070	1,390	2,050	485	8,220	2,280	2,670	R26,045
May.....	1,180	1,510	3,835	555	2,050	1,390	2,080	485	8,400	2,280	2,790	R26,555
June.....	1,180	1,510	3,585	555	2,050	1,390	1,960	485	8,100	2,280	2,790	R25,885
July.....	1,210	1,510	3,535	555	2,060	1,390	1,980	485	8,410	2,280	2,790	R26,205
August.....	1,210	1,510	3,685	555	2,075	1,390	2,035	485	8,425	2,280	2,790	R26,440
September.....	1,210	1,510	3,635	555	2,035	1,390	2,040	485	8,315	2,280	2,790	R26,245
October.....	1,210	1,560	3,735	555	2,065	1,390	2,060	485	8,315	2,280	2,840	R26,495
November.....	1,220	1,560	3,635	555	2,070	1,390	2,110	495	8,020	2,280	2,840	R26,175
December.....	1,220	1,560	3,685	555	2,015	1,390	2,145	495	8,110	2,215	2,890	R26,280
1995 Average.....	1,197	1,523	3,643	555	2,057	1,390	2,028	483	8,231	2,274	2,750	R26,132
1996 January.....	1,220	1,540	3,735	555	2,038	1,400	2,160	500	8,118	2,290	2,940	R26,495
February.....	1,220	1,540	3,685	555	2,057	1,400	2,180	500	8,248	2,265	2,940	R26,590
March.....	1,210	1,540	3,715	555	2,057	1,400	2,190	500	8,248	2,285	2,990	R26,690
April.....	1,230	1,530	3,685	555	2,067	1,400	2,160	505	8,088	2,250	2,990	R26,460
May.....	1,245	1,530	3,635	555	2,055	1,400	2,200	505	8,135	2,275	2,990	R26,525
June.....	1,250	1,550	3,685	555	2,065	1,400	2,200	505	8,195	2,270	2,990	R26,665
July.....	1,250	1,520	3,685	555	2,065	1,400	2,170	505	8,295	2,260	3,040	R26,745
August.....	1,250	1,540	3,715	555	2,040	1,400	2,190	505	8,220	2,260	3,090	R26,765
September.....	1,250	1,560	3,735	555	2,070	1,400	2,150	525	8,200	2,310	3,090	R26,845
October.....	1,260	1,580	3,635	555	2,075	1,400	R2,210	525	8,255	2,310	3,140	R26,945
November.....	1,260	1,570	3,685	555	2,075	1,400	2,220	505	8,255	2,250	3,190	26,965
1996 Average.....	1,240	1,545	3,690	555	2,060	1,400	2,185	507	8,205	2,275	3,036	26,699

1/ 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 November 1996, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 510 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/ Seal	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	700	720	580	775	1,800	3,050	635	390
April.....	3,160	2,467	5,768	715	750	610	805	1,840	3,020	605	390
May.....	2,980	2,512	5,636	715	750	610	805	1,755	3,195	605	390
June.....	3,150	2,457	5,719	715	750	575	805	1,815	3,205	605	390
July.....	3,201	2,537	5,884	715	760	590	795	1,795	3,150	615	390
August.....	3,022	2,385	5,559	715	760	540	751	1,858	3,130	630	375
September.....	3,095	2,517	5,774	700	760	560	790	1,840	R3,140	630	385
October.....	3,005	2,642	5,814	700	760	560	795	1,922	R3,180	630	385
November.....	3,210	2,743	6,118	700	760	560	795	1,910	3,150	630	385
1996 Average.....	3,096	2,550	5,793	708	745	570	788	1,820	3,131	620	387

1/ 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	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ^{1/}	World
1985 Average.....	887	172	620	440	2,745	498	--	11,585	178	8,971	2,124	53,982
1986 Average.....	813	166	630	504	2,435	560	--	11,895	194	8,680	2,166	56,227
1987 Average.....	896	155	609	497	2,548	582	--	12,050	230	8,349	2,120	56,666
1988 Average.....	848	159	635	540	2,512	617	--	12,053	265	8,140	2,235	58,737
1989 Average.....	865	208	700	585	2,520	641	--	11,715	340	7,613	2,249	59,863
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253	60,566
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274	60,207
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,233	60,216
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,288	60,246
1994 Average.....	896	329	590	645	2,689	815	6,135	--	560	6,662	3,408	61,358
1995 January.....	920	335	695	650	2,680	845	5,675	--	615	6,682	3,394	61,633
February.....	920	335	685	680	2,645	845	5,860	--	615	6,794	3,364	62,148
March.....	920	335	695	680	2,670	845	5,675	--	615	6,600	3,360	61,409
April.....	920	335	700	680	2,670	850	5,767	--	610	6,604	3,369	62,206
May.....	920	335	715	680	2,680	850	5,860	--	610	6,629	3,387	62,205
June.....	920	335	720	680	2,700	850	5,856	--	610	6,579	3,389	61,340
July.....	920	335	720	690	2,705	850	5,776	--	610	6,449	3,381	62,304
August.....	920	350	715	690	2,710	850	5,820	--	610	6,447	3,349	62,421
September...	920	350	720	690	2,740	850	5,789	--	610	6,416	3,360	62,825
October.....	920	350	690	690	1,900	860	5,798	--	605	6,421	3,319	62,489
November.....	920	350	685	690	2,555	860	5,662	--	605	6,585	3,303	62,695
December.....	920	350	700	690	2,765	860	5,684	--	605	6,530	3,325	63,084
1995 Average.....	920	341	703	682	2,618	851	5,768	--	610	6,560	3,358	62,230
1996 January.....	920	360	675	680	2,795	865	5,864	--	605	E6,495	3,323	63,378
February.....	920	360	700	680	2,800	865	5,970	--	605	E6,550	3,347	63,752
March.....	920	370	665	680	2,870	870	5,856	--	605	E6,516	3,321	63,573
April.....	920	370	685	700	2,860	880	5,864	--	600	E6,479	3,338	63,519
May.....	920	370	660	700	2,875	880	5,891	--	600	E6,443	3,349	63,530
June.....	920	370	650	700	2,880	880	5,864	--	600	E6,502	3,349	63,847
July.....	920	370	625	700	2,870	885	5,838	--	600	E6,383	3,453	63,936
August.....	920	370	625	700	2,830	885	5,882	--	600	E6,389	3,458	63,590
September...	920	370	625	700	2,860	890	5,838	--	600	E6,503	R3,462	R64,030
October.....	920	370	625	700	2,860	890	5,811	--	600	RE6,490	R3,472	R64,263
November.....	920	370	625	700	2,860	890	5,856	--	600	PE6,531	3,477	64,636
1996 Average.....	920	368	651	695	2,851	880	5,866	--	601	PE6,479	3,396	63,821

^{1/} 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	Indonesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Venezuela	Total OPEC
1985 Average...	702	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	R15,503
1986 Average...	600	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	R17,575
1987 Average...	648	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	R17,648
1988 Average...	640	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	R19,421
1989 Average...	690	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	R21,201
1990 Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	R22,458
1991 Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	R22,506
1992 Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	R23,558
1993 Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	R24,304
1994 Average...	750	1,334	3,600	548	2,034	1,378	1,887	409	8,147	2,183	2,542	R24,812
1995 January...	750	1,340	3,550	550	2,070	1,390	1,850	420	8,120	2,200	2,560	R24,800
February...	750	1,320	3,650	550	2,070	1,390	1,830	440	8,220	2,200	2,560	R24,980
March.....	750	1,330	3,450	550	2,060	1,390	1,740	450	8,110	2,200	2,560	R24,590
April.....	750	1,330	3,600	550	2,070	1,390	1,900	450	8,220	2,200	2,630	R25,090
May.....	750	1,330	3,800	550	2,050	1,390	1,930	450	8,400	2,200	2,750	R25,600
June.....	750	1,330	3,550	550	2,050	1,390	1,810	450	8,100	2,200	2,750	R24,930
July.....	780	1,330	3,500	550	2,060	1,390	1,830	450	8,410	2,200	2,750	R25,250
August....	780	1,330	3,650	550	2,075	1,390	1,885	450	8,425	2,200	2,750	R25,485
September.	780	1,330	3,600	550	2,035	1,390	1,890	450	8,315	2,200	2,750	R25,290
October...	780	1,380	3,700	550	2,065	1,390	1,910	450	8,315	2,200	2,800	R25,540
November..	790	1,380	3,600	550	2,070	1,390	1,960	460	8,020	2,200	2,800	R25,220
December..	790	1,380	3,650	550	2,015	1,390	1,980	470	8,110	2,165	2,850	R25,350
1995 Average...	767	1,343	3,608	550	2,057	1,390	1,876	449	8,231	2,197	2,710	R25,179
1996 January...	790	1,360	3,700	550	2,038	1,400	2,010	465	8,118	2,210	2,900	R25,540
February...	790	1,360	3,650	550	2,057	1,400	2,030	465	8,248	2,185	2,900	R25,635
March.....	780	1,360	3,680	550	2,057	1,400	2,040	465	8,248	2,205	2,950	R25,735
April.....	800	1,350	3,650	550	2,067	1,400	2,010	470	8,088	2,170	2,950	R25,505
May.....	815	1,350	3,600	550	2,055	1,400	2,050	470	8,135	2,195	2,950	R25,570
June.....	820	1,370	3,650	550	2,065	1,400	2,050	470	8,195	2,190	2,950	R25,710
July.....	820	1,340	3,650	550	2,065	1,400	2,020	470	8,295	2,180	3,000	R25,790
August....	820	1,360	3,680	550	2,040	1,400	2,040	470	8,220	2,180	3,050	R25,810
September.	820	1,380	3,700	550	2,070	1,400	2,000	490	8,200	2,230	3,050	R25,890
October...	830	1,400	3,600	550	2,075	1,400	2,050	490	8,255	2,230	3,100	R25,980
November..	830	1,390	3,650	550	2,075	1,400	2,120	470	8,255	2,170	3,150	R26,060
1996 Average...	810	1,365	3,655	550	2,060	1,400	2,044	472	8,205	2,195	2,996	R25,753

^{1/} 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 November 1996, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 510 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	Russia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	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	230	390	1,697	1,003	1,185	1,364	4,973
1993 Average.....	145	506	459	704	220	380	1,736	1,040	1,238	1,435	5,169
1994 Average.....	140	539	461	698	200	340	1,727	1,081	1,272	1,475	5,297
1995 January.....	145	617	475	695	248	410	1,787	1,080	1,276	1,450	5,639
February.....	145	591	405	695	248	410	1,780	1,080	1,276	1,450	5,546
March.....	145	611	440	695	248	410	1,776	1,080	1,276	1,450	5,586
April.....	145	617	425	700	248	410	1,794	1,085	1,281	1,455	5,580
May.....	145	554	460	705	248	410	1,790	1,090	1,286	1,460	5,549
June.....	145	536	460	695	248	410	1,740	1,080	1,276	1,450	5,365
July.....	145	525	455	715	248	410	1,751	1,100	1,296	1,470	5,451
August.....	145	552	470	715	248	410	1,730	1,100	1,296	1,470	5,436
September.....	145	567	470	710	248	410	1,757	1,095	1,291	1,465	5,513
October.....	145	551	365	710	248	410	1,757	1,095	1,291	1,465	5,448
November.....	145	580	455	685	248	410	1,797	1,070	1,266	1,440	5,561
December.....	145	590	475	695	248	410	1,691	1,080	1,276	1,450	5,475
1995 Average.....	145	574	447	701	248	410	1,762	1,086	1,282	1,456	5,512
1996 January.....	145	585	470	690	248	410	1,718	1,075	1,271	1,445	5,478
February.....	145	545	475	700	248	410	1,675	1,085	1,281	1,455	5,415
March.....	145	615	475	700	248	410	1,810	1,085	1,281	1,455	5,612
April.....	145	615	475	690	248	410	1,836	1,075	1,271	1,445	5,616
May.....	145	565	475	690	248	410	1,810	1,075	1,271	1,445	5,550
June.....	145	560	485	695	248	410	1,836	1,080	1,276	1,450	5,566
July.....	145	610	440	705	248	410	1,834	1,090	1,286	1,460	5,584
August.....	145	618	335	700	248	410	1,867	1,085	1,281	1,455	5,495
September.....	145	595	340	695	248	410	1,878	1,080	1,276	1,450	5,508
October.....	145	620	R370	695	248	410	R1,908	1,080	1,276	1,450	R5,653
November.....	145	620	370	695	248	410	E1,868	1,080	1,276	1,450	5,613
1996 Average.....	145	596	428	696	248	410	E1,822	1,081	1,277	1,451	5,554

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia. Excludes fuel ethanol blended into finished motor gasoline.

^{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.

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 ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1985 Average.....	11,192	10,320	11,498	R17,151	59,264
1986 Average.....	10,905	12,441	13,653	R19,310	61,771
1987 Average.....	10,648	12,869	13,992	R19,589	62,429
1988 Average.....	10,473	14,310	15,662	R21,465	64,707
1989 Average.....	9,880	15,733	16,658	R23,323	65,894
1990 Average.....	9,677	16,249	17,232	R24,536	66,756
1991 Average.....	9,883	15,704	16,747	R24,625	66,634
1992 Average.....	9,768	17,010	17,871	R25,818	66,937
1993 Average.....	9,602	17,792	18,505	R26,610	67,343
1994 Average.....	9,413	18,234	18,885	R27,303	68,585
1995 January.....	9,561	18,217	19,013	R27,261	69,339
February.....	9,643	18,437	19,133	R27,441	69,738
March.....	9,311	18,127	19,023	R27,051	68,905
April.....	9,450	18,402	19,143	R27,556	69,815
May.....	9,497	18,767	19,303	R28,071	69,807
June.....	9,395	18,207	18,998	R27,391	68,757
July.....	9,275	18,497	19,368	R27,731	69,806
August.....	9,270	18,677	19,393	R27,966	69,927
September.....	9,279	18,472	19,243	R27,766	70,420
October.....	9,287	18,602	19,268	R28,016	70,021
November.....	9,485	18,197	18,973	R27,671	70,335
December.....	9,370	18,227	18,953	R27,786	70,683
1995 Average.....	9,400	18,403	19,152	R27,644	69,796
1996 January.....	E9,327	18,382	19,063	R27,996	70,945
February.....	E9,299	18,467	19,200	R28,101	71,216
March.....	E9,437	18,517	19,211	R28,201	71,271
April.....	E9,451	18,297	19,038	R27,961	71,246
May.....	E9,411	18,307	19,108	R28,026	71,213
June.....	E9,414	18,427	19,183	R28,171	71,465
July.....	E9,351	18,527	19,283	R28,261	71,630
August.....	E9,393	18,452	19,183	R28,276	71,197
September.....	E9,535	18,547	19,258	R28,351	R71,667
October.....	RE9,523	18,507	19,328	R28,451	R72,016
November.....	PE9,524	18,477	19,248	28,471	72,349
1996 Average.....	PE9,424	18,446	19,191	28,206	71,473

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 ^{1/}	United Kingdom	OECD Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}	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	1,250	1,643	121	631	69	3,714
	February.....	164	163	316	114	1,250	1,608	121	613	64	3,655
	March.....	152	159	304	105	1,189	1,601	124	619	68	3,601
	April.....	156	159	306	107	1,194	1,601	122	626	71	3,614
	May.....	153	161	304	112	1,204	1,612	119	635	72	3,641
	June.....	166	168	301	102	1,208	1,609	128	640	73	3,658
	July.....	160	171	304	110	1,242	1,624	130	651	77	3,724
	August.....	160	174	303	109	1,241	1,614	119	654	72	3,699
	September....	162	163	301	110	1,232	1,620	120	658	77	3,707
	October.....	162	165	304	111	1,242	1,607	123	664	72	3,706
	November.....	160	159	297	110	1,225	1,604	123	663	72	3,685
	December.....	159	162	301	107	1,228	1,563	109	630	71	3,601
1996											
	January.....	154	157	301	107	1,239	1,543	105	638	76	3,602
	February.....	156	156	298	103	1,229	1,500	105	615	67	3,515
	March.....	157	153	296	106	1,222	1,482	108	627	71	3,510
	April.....	165	150	298	109	1,238	1,501	108	622	72	3,541
	May.....	163	157	295	105	1,239	1,519	104	641	75	3,578
	June.....	160	158	296	105	1,233	1,546	104	647	72	3,601
	July.....	162	155	298	105	1,244	1,550	107	637	78	3,616
	August.....	R159	159	295	101	R1,238	1,547	R108	658	75	R3,626
	September....	151	162	295	105	1,229	1,554	109	665	83	3,639

^{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.

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 September 1996)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	109	0	109
United States ^{1/}	980	574	1554
United States Territories.....	29	0	29
Japan.....	365	300	665
Australia/New Zealand.....	54	NA	54
Austria.....	20	0	20
Belgium/Luxembourg.....	31	0	31
Denmark.....	25	0	25
Finland.....	23	0	23
France.....	151	0	151
Germany ^{2/}	240	55	295
Greece.....	21	NA	21
Ireland.....	6	2	8
Italy.....	156	6	162
Netherlands.....	83	0	83
Norway.....	64	0	64
Portugal.....	22	0	22
Spain.....	98	0	98
Sweden.....	29	0	29
Switzerland.....	45	0	45
Turkey.....	50	0	50
United Kingdom.....	105	0	105
OECD Europe.....	1,166	63	1,229
Total OECD.....	2,702	937	3,639

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

^{2/} 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 ^{1/}	United Kingdom	OECD Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}	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	13,523	17,237	1,688	5,401	1,117	38,966
1994	Average....	1,833	1,841	2,879	1,837	13,597	17,718	1,727	5,674	1,176	39,892
1995											
	January....	1,949	2,031	2,711	1,766	13,767	17,219	1,673	6,031	1,156	39,845
	February...	1,895	2,225	2,789	1,965	14,136	18,279	1,856	6,773	1,211	42,255
	March.....	2,002	2,081	3,186	1,983	14,805	17,484	1,697	6,331	1,274	41,591
	April.....	1,834	1,928	2,874	1,800	13,829	17,142	1,533	5,554	1,204	39,262
	May.....	1,763	1,917	2,942	1,789	13,586	17,293	1,706	5,027	1,295	38,908
	June.....	1,846	1,975	2,878	1,820	13,916	18,131	1,744	4,971	1,253	40,014
	July.....	1,933	1,949	2,833	1,748	13,645	17,147	1,719	5,087	1,195	38,793
	August.....	1,787	1,810	2,925	1,806	13,795	18,044	1,847	5,567	1,255	40,507
	September..	1,888	2,052	2,952	1,829	14,184	18,026	1,821	5,378	1,259	40,667
	October....	1,870	2,141	2,761	1,852	14,215	17,651	1,801	5,125	1,184	39,976
	November...	1,957	2,286	2,913	2,021	15,010	17,979	1,814	5,884	1,198	41,885
	December...	2,032	2,205	2,737	1,772	14,566	18,366	1,859	6,871	1,238	42,899
	Average....	1,896	2,048	2,875	1,845	14,120	17,725	1,755	5,711	1,227	40,537
1996											
	January....	1,889	2,082	2,904	1,760	R14,099	18,212	1,766	6,211	1,167	R41,454
	February...	2,193	2,227	3,023	1,915	R15,192	18,498	1,867	6,762	1,190	R43,508
	March.....	1,990	2,158	2,867	1,857	R14,348	18,180	1,710	6,320	1,168	R41,726
	April.....	1,929	1,921	2,743	1,853	R13,889	17,837	1,608	5,616	1,172	R40,121
	May.....	1,819	1,842	2,863	1,844	R13,743	17,857	1,695	5,021	1,129	R39,444
	June.....	1,838	1,868	2,823	1,737	R13,659	18,049	1,710	4,986	1,145	R39,550
	July.....	1,987	2,119	2,959	1,786	R14,262	18,143	1,795	5,387	1,096	R40,684
	August.....	R1,850	1,747	3,034	R1,790	R13,906	18,513	R1,862	R5,453	R1,127	R40,861
	September..	1,950	2,033	3,102	1,873	14,642	17,605	1,671	5,273	1,037	40,227

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.

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, December 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, October 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1995 and Petroleum Supply Monthly, December 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, December 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				Annual	Quarter				Annual
		Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
Supply ^{1/}													
OECD													
United States ^{2/}	9.77	9.60	9.41	9.50	9.45	9.27	9.38	9.40	9.36	9.43	9.43	NA	NA
Other OECD.....	8.09	8.40	9.30	9.82	9.43	9.73	10.32	9.83	10.17	10.13	10.19	NA	NA
Total OECD.....	17.85	18.00	18.71	19.32	18.88	19.00	19.70	19.23	19.53	19.55	19.61	NA	NA
Non-OECD													
OPEC.....	25.82	26.61	27.30	27.24	27.68	27.82	27.83	27.64	28.10	28.05	28.30	NA	NA
Former USSR.....	8.93	7.96	7.27	6.92	7.03	6.99	6.90	6.96	7.10	7.08	7.06	NA	NA
Other Non-OECD.....	14.33	14.78	15.30	15.83	15.88	16.23	15.92	15.97	16.41	16.62	16.53	NA	NA
Total Non-OECD.....	49.08	49.34	49.87	49.99	50.59	51.04	50.64	50.57	51.61	51.75	51.88	NA	NA
Total World Supply.....	66.94	67.34	68.59	69.31	69.46	70.05	70.35	69.80	71.14	71.31	71.50	NA	NA
Demand ^{3/}													
OECD													
United States ^{2/}	17.03	17.24	17.72	17.64	17.52	17.74	18.00	17.72	18.29	17.91	18.09	NA	NA
Other OECD.....	21.74	21.73	22.17	23.56	21.87	22.25	23.58	22.81	23.91	21.79	22.51	NA	NA
Total OECD.....	38.77	38.97	39.89	41.20	39.39	39.98	41.58	40.54	42.20	39.70	40.60	NA	NA
Non-OECD													
China.....	2.66	2.96	3.18	3.33	3.36	3.38	3.41	3.37	3.53	3.56	3.55	NA	NA
Former USSR.....	6.79	5.45	4.83	5.10	4.60	4.60	4.70	4.75	5.05	4.58	4.61	NA	NA
Other Non-OECD.....	18.35	18.83	20.78	21.61	21.24	21.08	22.32	21.56	22.38	22.01	21.77	NA	NA
Total Non-OECD.....	27.81	27.23	28.79	30.04	29.20	29.06	30.43	29.68	30.96	30.15	29.93	NA	NA
Total World Demand.....	66.57	66.20	68.68	71.24	68.59	69.04	72.01	70.22	73.17	69.85	70.53	NA	NA
Stock Draws / Discrepancy													
Net Reported Stock Draws ^{4/}													
U. S. Commercial.....	.05	-.12	.00	.58	-.09	-.12	.62	.25	.86	-.75	-.20	NA	NA
U. S. Strategic.....	-.04	-.03	-.01	.00	.00	.00	.00	.00	.03	.05	.11	NA	NA
Other OECD.....	-.42	-.05	-.16	.81	-.53	-.42	.53	.09	.12	-.31	-.32	NA	NA
For Export & Afloat.....	-.03	-.04	.03	-.22	.05	-.54	.22	-.12	-.44	-.11	.00	NA	NA
Commr. Floating Storage...	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	NA	NA
Total Reported Draws.....	-.39	-.24	-.15	1.16	-.57	-1.08	1.36	.22	.56	-1.12	-.41	NA	NA
Other Stock Draws and													
Statistical Discrepancy ^{5/}	.03	-.90	.25	.77	-.31	.07	.30	.21	1.46	-.34	-.56	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				Annual
		Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
OECD													
United States ¹ /...	9.77	9.60	9.41	9.50	9.45	9.27	9.38	9.40	9.36	9.43	9.43	NA	NA
Canada.....	2.13	2.24	2.38	2.43	2.42	2.45	2.48	2.44	2.40	2.43	2.49	NA	NA
North Sea ² /.....	4.44	4.67	5.38	5.81	5.43	5.68	6.31	5.81	6.23	6.09	6.10	NA	NA
Other OECD.....	1.52	1.48	1.54	1.58	1.57	1.60	1.54	1.57	1.55	1.60	1.59	NA	NA
Total OECD.....	17.85	18.00	18.71	19.32	18.88	19.00	19.70	19.23	19.53	19.55	19.61	NA	NA
Non-OECD													
OPEC													
Crude													
Algeria.....	1.21	1.16	1.18	1.18	1.18	1.21	1.22	1.20	1.22	1.24	1.25	NA	NA
Indonesia.....	1.50	1.51	1.51	1.51	1.51	1.51	1.56	1.52	1.54	1.54	1.54	NA	NA
Iran.....	3.43	3.54	3.64	3.58	3.69	3.62	3.69	3.64	3.71	3.67	3.71	NA	NA
Iraq.....	.42	.51	.55	.55	.55	.55	.55	.55	.55	.55	.55	NA	NA
Kuwait.....	1.06	1.85	2.03	2.07	2.06	2.06	2.05	2.06	2.05	2.06	2.06	NA	NA
Libya.....	1.43	1.36	1.38	1.39	1.39	1.39	1.39	1.39	1.40	1.40	1.40	NA	NA
Nigeria.....	1.94	1.96	2.04	1.96	2.03	2.02	2.10	2.03	2.18	2.19	2.17	NA	NA
Qatar.....	.42	.41	.44	.47	.48	.48	.49	.48	.50	.50	.51	NA	NA
Saudi Arabia..	8.33	8.20	8.15	8.15	8.24	8.38	8.15	8.23	8.20	8.14	8.24	NA	NA
United Arab													
Emirates...	2.27	2.16	2.26	2.28	2.28	2.28	2.26	2.27	2.28	2.27	2.28	NA	NA
Venezuela.....	2.37	2.45	2.59	2.60	2.75	2.79	2.86	2.75	2.96	2.99	3.07	NA	NA
Natural Gas													
Plant Liquids	1.36	1.44	1.47	1.45	1.46	1.47	1.45	1.46	1.45	1.45	1.46	NA	NA
Processing Gain.	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	NA	NA
Total OPEC.....	25.82	26.61	27.30	27.24	27.68	27.82	27.83	27.64	28.10	28.05	28.30	NA	NA
Former USSR.....	8.93	7.96	7.27	6.92	7.03	6.99	6.90	6.96	7.10	7.08	7.06	NA	NA
China.....	2.84	2.89	2.94	2.98	2.99	3.02	3.07	3.02	3.09	3.14	3.14	NA	NA
Mexico.....	3.15	3.16	3.18	3.13	3.16	3.21	2.86	3.09	3.32	3.38	3.25	NA	NA
Other Non-OECD....	8.34	8.73	9.18	9.71	9.74	10.00	9.98	9.86	10.00	10.10	10.14	NA	NA
Total Non-OECD....	49.08	49.34	49.87	49.99	50.59	51.04	50.64	50.57	51.61	51.75	51.88	NA	NA
Total Supply.....	66.94	67.34	68.59	69.31	69.46	70.05	70.35	69.80	71.14	71.31	71.50	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 ^{1/}											
Commercial.....	1,017	1,060	1,061	1,009	1,017	1,028	971	893	962	980	NA
Strategic.....	575	587	592	592	592	592	592	589	584	574	NA
U. S. Territories.....	24	25	26	23	26	25	24	22	23	29	NA
Canada.....	107	105	119	124	128	120	109	108	104	109	NA
Japan.....	603	618	645	619	640	658	630	627	647	665	NA
OECD Europe											
France.....	146	158	158	152	166	162	159	157	160	151	NA
Germany.....	310	309	312	304	301	301	301	296	296	295	NA
Italy.....	174	163	164	159	168	163	162	153	158	162	NA
United Kingdom.....	113	118	115	105	102	110	107	106	105	105	NA
Other OECD Europe....	476	475	490	469	471	497	499	510	515	516	NA
Total.....	1,219	1,221	1,240	1,189	1,208	1,232	1,228	1,222	1,233	1,229	NA
Australia & New Zealand	43	44	43	45	47	52	47	49	49	54	NA
Total OECD.....	3,588	3,661	3,726	3,601	3,658	3,707	3,601	3,510	3,601	3,639	NA
Stocks for Export											
and Afloat ^{2/}	930	945	935	955	950	1,000	980	1,020	1,030	1,030	NA
Commercial Floating ^{3/}	70	70	70	70	70	70	70	70	70	70	NA

^{1/} 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.

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

^{3/} 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		Quarter				Annual	Quarter				Annual
		Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
OECD													
United States ^{1/}	17.03	17.24	17.72	17.64	17.52	17.74	18.00	17.72	18.29	17.91	18.09	NA	NA
U. S. Territories.....	.22	.24	.26	.24	.26	.25	.20	.24	.21	.19	.17	NA	NA
Canada.....	1.64	1.69	1.73	1.74	1.66	1.79	1.82	1.76	1.78	1.67	1.78	NA	NA
Japan.....	5.45	5.40	5.67	6.37	5.18	5.34	5.96	5.71	6.42	5.21	5.37	NA	NA
OECD Europe ^{2/}													
France.....	1.93	1.88	1.83	1.95	1.81	1.87	1.95	1.90	2.02	1.86	1.93	NA	NA
Italy.....	1.94	1.85	1.84	2.11	1.94	1.94	2.21	2.05	2.15	1.88	1.97	NA	NA
United Kingdom.....	1.80	1.81	1.84	1.90	1.80	1.79	1.88	1.84	1.84	1.81	1.82	NA	NA
Germany ^{3/}	2.84	2.90	2.88	2.90	2.90	2.90	2.80	2.88	2.93	2.81	3.03	NA	NA
Other OECD Europe....	5.10	5.08	5.21	5.38	5.32	5.37	5.75	5.45	5.59	5.40	5.52	NA	NA
Total OECD Europe....	13.60	13.52	13.60	14.24	13.77	13.87	14.59	14.12	14.54	13.76	14.27	NA	NA
Australia & New Zealand	.82	.88	.92	.97	.99	.99	1.00	.99	.97	.95	.92	NA	NA
Total OECD.....	38.77	38.97	39.89	41.20	39.39	39.98	41.58	40.54	42.20	39.70	40.60	NA	NA
Non-OECD													
China.....	2.66	2.96	3.18	3.33	3.36	3.38	3.41	3.37	3.53	3.56	3.55	NA	NA
Former USSR.....	6.79	5.45	4.83	5.10	4.60	4.60	4.70	4.75	5.05	4.58	4.61	NA	NA
Other Non-OECD.....	18.35	18.83	20.78	21.61	21.24	21.08	22.32	21.56	22.38	22.01	21.77	NA	NA
Total Non-OECD.....	27.81	27.23	28.79	30.04	29.20	29.06	30.43	29.68	30.96	30.15	29.93	NA	NA
Total World Demand.....	66.57	66.20	68.68	71.24	68.59	69.04	72.01	70.22	73.17	69.85	70.53	NA	NA

^{1/} U.S. geographic coverage is the 50 States and the 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/} 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, December 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, December 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, December 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 Average)
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ^{1/}	Italy	Other Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}
Total Net Imports..	20.717	7.226	-0.969	1.721	2.699	1.820	1.955	7.883	-0.756	5.716	0.647
Imports from OPEC ^{5/}	15.469	6.154	.254	.911	.711	1.203	3.076	3.979	.257	4.467	.612
Imports from Persian Gulf ^{6/}											
Total.....	9.310	3.365	.135	.647	.172	.494	1.916	1.563	.070	3.979	.334
Bahrain.....	.030	.000	.000	.000	.000	.000	.000	-.003	-	.029	.004
Iran.....	1.551	1.149	.023	.208	.031	.233	.653	.000	.002	.399	.001
Iraq.....	.000	.000	-	-	-	-	.000	-	-	-	-
Kuwait.....	.997	.269	.039	.022	.015	.000	.193	.218	.000	.501	.009
U.A.E.....	1.513	.011	.000	.002	.000	.000	.009	.004	.000	1.420	.078
Qatar.....	.359	.002	.000	.000	.000	.002	.000	.000	-	.335	.023
Saudi Arabia.....	4.861	1.933	.073	.416	.125	.260	1.060	1.344	.069	1.296	.218
Imports from OPEC-Africa											
Total.....	3.637	2.500	.065	.262	.461	.679	1.033	.859	.098	.026	.153
Algeria.....	1.036	.724	.018	.103	.135	.100	.368	.234	.041	.011	.027
Libya.....	1.201	1.201	.032	.043	.234	.562	.330	.000	.000	-	.000
Nigeria.....	1.400	.575	.015	.115	.093	.017	.336	.625	.058	.016	.126
Imports from OPEC-South America											
Total.....	1.882	.273	.054	.002	.078	.014	.125	1.468	.088	.002	.051
Venezuela.....	1.882	.273	.054	.002	.078	.014	.125	1.468	.088	.002	.051
Imports from OPEC-Far East											
Total.....	.669	.017	.000	.000	.000	.015	.001	.087	.000	.488	.078
Indonesia.....	.669	.017	.000	.000	.000	.015	.001	.087	.000	.488	.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, (3rd Quarter 1996)
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ^{1/}	Italy	Other Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}
Total Net Imports..	21.566	7.363	-0.816	1.687	2.893	1.762	1.836	8.523	-0.590	5.599	0.671
Imports from OPEC ^{5/}	15.712	6.086	.226	.922	.678	1.229	3.030	4.450	.261	4.246	.669
Imports from Persian Gulf ^{6/}											
Total.....	9.151	3.168	.077	.566	.176	.509	1.840	1.714	.129	3.809	.331
Bahrain.....	.018	.003	.000	.003	.000	.000	.000	-.004	-	.015	.004
Iran.....	1.619	1.162	.006	.175	.032	.315	.634	.000	.064	.393	.000
Iraq.....	.000	.000	-	-	-	-	.000	-	-	-	-
Kuwait.....	1.050	.277	.020	.043	.017	.000	.198	.258	.000	.498	.017
U.A.E.....	1.443	.003	.000	.003	.000	.000	.000	-.001	.000	1.358	.083
Qatar.....	.363	.000	.000	.000	.000	.000	.000	.000	-	.342	.021
Saudi Arabia.....	4.658	1.723	.051	.343	.127	.194	1.008	1.460	.065	1.202	.207
Imports from OPEC-Africa											
Total.....	3.922	2.598	.096	.359	.431	.688	1.024	1.005	.085	.019	.214
Algeria.....	1.056	.696	.025	.108	.087	.124	.354	.272	.057	.009	.022
Libya.....	1.283	1.283	.039	.070	.291	.550	.333	.000	.000	-	.000
Nigeria.....	1.582	.619	.032	.181	.054	.015	.337	.733	.028	.010	.192
Imports from OPEC-South America											
Total.....	2.050	.259	.053	.000	.071	.008	.127	1.683	.047	.003	.057
Venezuela.....	2.050	.259	.053	.000	.071	.008	.127	1.683	.047	.003	.057
Imports from OPEC-Far East											
Total.....	.608	.063	.000	.000	.000	.024	.039	.044	.000	.430	.071
Indonesia.....	.608	.063	.000	.000	.000	.024	.039	.044	.000	.430	.071

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, (2nd Quarter 1996)
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ^{1/}	Italy	Other Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}
Total Net Imports..	20.964	6.784	-0.811	1.646	2.665	1.678	1.607	8.812	-0.802	5.513	0.658
Imports from OPEC ^{5/}	15.302	5.906	.256	.878	.652	1.150	2.970	4.226	.260	4.272	.639
Imports from Persian Gulf ^{6/}											
Total.....	9.085	3.160	.106	.555	.149	.440	1.910	1.579	.153	3.859	.333
Bahrain.....	.044	.000	.000	.000	.000	.000	.000	-.001	-	.038	.007
Iran.....	1.582	1.135	.029	.167	.017	.212	.710	.000	.043	.404	.000
Iraq.....	.000	.000	-	-	-	-	.000	-	-	-	-
Kuwait.....	1.016	.257	.039	.020	.013	.000	.184	.273	.000	.482	.005
U.A.E.....	1.398	.000	.000	.000	.000	.000	.000	-.010	.000	1.320	.088
Qatar.....	.387	.000	.000	.000	.000	.000	.000	.000	-	.362	.025
Saudi Arabia.....	4.657	1.769	.038	.368	.120	.227	1.015	1.317	.110	1.252	.209
Imports from OPEC-Africa											
Total.....	3.677	2.495	.104	.323	.434	.682	.952	.931	.071	.023	.157
Algeria.....	1.047	.683	.014	.122	.142	.098	.308	.286	.047	.014	.017
Libya.....	1.168	1.168	.040	.029	.220	.571	.307	.000	.000	-	.000
Nigeria.....	1.463	.644	.050	.172	.072	.013	.338	.645	.025	.009	.139
Imports from OPEC-South America											
Total.....	1.986	.237	.046	.000	.069	.015	.107	1.657	.036	.003	.052
Venezuela.....	1.986	.237	.046	.000	.069	.015	.107	1.657	.036	.003	.052
Imports from OPEC-Far East											
Total.....	.598	.014	.000	.000	.000	.014	.000	.057	.000	.424	.103
Indonesia.....	.598	.014	.000	.000	.000	.014	.000	.057	.000	.424	.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								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total.....	20.310	20.655	20.449	20.944	20.217	21.464	21.549	21.275	20.059	21.926	21.930	20.818
United States ¹ /....	7.614	8.050	7.489	8.202	7.240	8.101	8.381	9.023	9.025	8.608	8.970	7.974
Canada.....	-.691	-.741	-.993	-.929	-.693	-.654	-.818	-.783	-.807	-.373	-.757	-.641
OECD Europe ² /.....	7.258	6.911	7.542	6.817	7.063	6.758	7.560	6.718	6.077	7.826	6.650	7.621
Main European Importers												
France.....	1.638	1.713	1.778	1.596	1.818	1.764	1.928	1.556	1.457	1.895	1.496	1.669
Germany ³ /.....	2.754	2.556	2.704	2.781	2.849	2.694	2.632	2.663	2.700	2.873	2.887	2.920
Italy.....	1.925	1.862	1.991	1.934	1.764	1.822	1.691	1.729	1.611	1.749	1.757	1.780
Spain.....	1.386	1.247	1.249	1.055	1.139	1.090	1.206	1.151	1.200	1.190	1.106	1.246
Netherlands.....	.654	.465	.676	.764	.628	.545	.790	.788	.757	.825	.680	.893
European Net Exporters												
Norway.....	-3.042	-3.057	-2.950	-3.051	-3.310	-2.970	-3.180	-2.954	-3.391	-2.954	-3.346	-3.162
United Kingdom....	-.964	-1.007	-.904	-.993	-.970	-.785	-.721	-.865	-.846	-.912	-.859	-.672
Smaller European Importers												
Austria.....	.194	.196	.214	.194	.218	.181	.232	.198	.212	.185	.155	.158
Belgium.....	.463	.524	.544	.531	.702	.542	.576	.531	.478	.560	.509	.464
Denmark.....	.027	.038	.062	.005	.044	.033	.074	.013	.059	.029	.004	.014
Ireland.....	.120	.113	.107	.115	.105	.111	.135	.142	.108	.147	.102	.138
Finland.....	.142	.202	.208	.018	.132	.051	.237	.058	.186	.218	.162	.112
Greece.....	.368	.462	.313	.333	.359	.353	.449	.335	.294	.224	.380	.347
Iceland.....	.014	.020	.007	.018	.011	.014	.002	.002	.013	.014	.019	.019
Luxembourg.....	.038	.036	.035	.040	.042	.037	.041	.039	.037	.039	.035	.036
Portugal.....	.347	.262	.289	.274	.272	.215	.320	.242	.201	.383	.260	.302
Sweden.....	.385	.426	.365	.331	.307	.384	.317	.297	.263	.518	.394	.374
Switzerland.....	.245	.255	.232	.249	.258	.235	.238	.233	.251	.264	.265	.282
Turkey.....	.564	.597	.619	.622	.694	.442	.590	.559	.485	.578	.645	.701
Japan.....	5.528	5.723	5.879	6.125	6.081	6.596	5.772	5.591	5.174	5.059	6.362	5.367
Other OECD.....	.601	.712	.532	.730	.525	.663	.655	.726	.590	.806	.705	.497

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								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total.....	15.957	15.641	15.812	15.843	15.774	16.156	15.687	15.489	14.725	15.453	16.212	15.463
United States ^{1/}	3.908	4.137	3.905	4.076	3.675	4.120	3.969	4.461	4.239	4.566	4.610	4.165
Canada.....	.274	.351	.204	.390	.293	.284	.232	.243	.306	.240	.235	.310
OECD Europe ^{2/}	6.666	5.912	6.585	5.936	6.590	6.136	6.220	5.854	5.646	6.074	5.831	6.362
Main European Importers												
France.....	1.059	.774	.807	.767	.885	1.009	.958	.928	.747	1.142	.720	.904
Germany ^{3/}	.745	.492	.646	.708	.638	.665	.684	.648	.623	.716	.619	.701
Italy.....	1.350	1.247	1.428	1.161	1.365	1.341	1.199	1.072	1.182	1.128	1.241	1.322
Spain.....	.788	.931	.982	.716	.699	.835	.756	.726	.852	.692	.719	.824
Netherlands.....	.935	.869	.808	.721	.914	.612	.780	.739	.588	.817	.681	.709
European Net Exporters												
Norway.....	.007	.001	.000	.001	.000	.000	.000	.000	.000	.000	.000	.006
United Kingdom.....	.257	.224	.251	.236	.222	.220	.216	.305	.247	.158	.234	.288
Smaller European Importers												
Austria.....	.134	.138	.134	.118	.182	.011	.000	.000	.000	.000	.000	.000
Belgium.....	.245	.233	.298	.328	.329	.267	.259	.286	.283	.249	.310	.304
Denmark.....	.024	.025	.025	.025	.026	.025	.051	.024	.000	.000	.024	.025
Ireland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.000	.000	.000	.001	.003	.001	.000	.000	.000	.000	.000	.000
Greece.....	.241	.284	.245	.196	.254	.289	.273	.293	.295	.198	.314	.309
Portugal.....	.199	.125	.201	.147	.194	.173	.313	.150	.134	.222	.240	.221
Sweden.....	.102	.017	.133	.173	.197	.195	.145	.114	.138	.209	.121	.116
Switzerland.....	.080	.093	.101	.107	.114	.086	.084	.082	.110	.097	.105	.113
Turkey.....	.499	.458	.527	.533	.567	.408	.502	.486	.445	.445	.502	.522
Japan.....	4.415	4.574	4.495	4.774	4.660	5.059	4.583	4.322	3.909	3.862	4.805	4.065
Other OECD.....	.693	.667	.622	.666	.557	.556	.683	.609	.625	.712	.731	.561

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; OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. *Negative numbers represent net exports. *A dash (-) indicates no trade.

*Zeros (.) 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								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total.....	9.610	9.392	9.346	9.485	9.364	9.608	9.481	9.156	8.614	8.715	9.672	9.063
United States ^{1/}	1.521	1.660	1.574	1.523	1.341	1.543	1.467	1.743	1.521	1.812	1.746	1.580
Canada.....	.140	.068	.000	.179	.071	.125	.186	.163	.110	.130	.127	.132
OECD Europe ^{2/}	3.719	3.243	3.408	3.293	3.568	3.214	3.376	2.975	3.135	2.972	3.129	3.412
Main European Importers												
France.....	.749	.530	.530	.600	.637	.604	.656	.545	.465	.705	.459	.533
Germany ^{3/}	.170	.088	.098	.102	.080	.118	.125	.134	.187	.178	.153	.199
Italy.....	.695	.505	.626	.494	.546	.601	.501	.307	.516	.447	.513	.569
Spain.....	.376	.409	.400	.322	.312	.353	.304	.369	.372	.235	.299	.363
Netherlands.....	.617	.634	.605	.532	.724	.457	.623	.534	.500	.543	.520	.489
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.082	.143	.087	.180	.095	.116	.086	.113	.120	.038	.083	.111
Smaller European Importers												
Austria.....	.050	.052	.050	.011	.058	.011	.000	.000	.000	.000	.000	.000
Belgium.....	.220	.215	.274	.319	.301	.242	.235	.256	.257	.233	.272	.280
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.222	.239	.232	.164	.221	.250	.237	.265	.261	.076	.270	.266
Portugal.....	.099	.039	.130	.081	.110	.051	.143	.036	.019	.102	.137	.143
Sweden.....	.077	.000	.088	.121	.137	.136	.100	.080	.096	.141	.081	.078
Switzerland.....	.010	.005	.000	.004	.000	.005	.005	.009	.010	.009	.009	.010
Turkey.....	.353	.383	.287	.363	.348	.270	.361	.326	.332	.265	.333	.370
Japan.....	3.912	4.031	4.046	4.239	4.103	4.514	4.097	3.948	3.530	3.421	4.310	3.691
Other OECD.....	.318	.390	.317	.252	.281	.212	.355	.326	.319	.381	.360	.248

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. •"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								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total Net Imports...	7.614	8.050	7.489	8.202	7.240	8.101	8.381	9.023	9.025	8.608	8.970	7.974
Imports from OPEC ^{1/}	3.908	4.137	3.905	4.076	3.675	4.120	3.969	4.461	4.239	4.566	4.610	4.165
Imports from Persian Gulf ^{2/}												
Total.....	1.521	1.660	1.574	1.523	1.341	1.543	1.467	1.743	1.521	1.812	1.746	1.580
Bahrain.....	.000	-.001	-.005	-.003	-.003	-.001	-.003	.000	.000	-.004	.000	-.007
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.250	.238	.215	.148	.216	.127	.201	.230	.388	.266	.271	.236
U.A.E.....	.012	-.006	-.013	-.020	.000	-.002	-.019	-.005	-.005	.002	-.002	-.002
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	1.259	1.429	1.377	1.398	1.128	1.419	1.288	1.518	1.138	1.548	1.477	1.353
Imports from OPEC-Africa												
Total.....	.870	.885	.804	1.003	.833	.835	.729	1.038	1.023	1.032	1.100	.879
Algeria.....	.229	.241	.152	.313	.200	.241	.211	.333	.313	.312	.315	.186
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.641	.644	.652	.690	.633	.594	.518	.705	.710	.720	.785	.693
Imports from OPEC-South America												
Total.....	1.430	1.484	1.453	1.495	1.457	1.683	1.716	1.631	1.626	1.662	1.714	1.673
Venezuela.....	1.430	1.484	1.453	1.495	1.457	1.683	1.716	1.631	1.626	1.662	1.714	1.673
Imports from OPEC-Far East												
Total.....	.087	.107	.069	.052	.041	.058	.054	.049	.069	.056	.050	.026
Indonesia.....	.087	.107	.069	.052	.041	.058	.054	.049	.069	.056	.050	.026

^{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. •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								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total Net Imports..	5.528	5.723	5.879	6.125	6.081	6.596	5.772	5.591	5.174	5.059	6.362	5.367
Imports from OPEC ^{1/}	4.415	4.574	4.495	4.774	4.660	5.059	4.583	4.322	3.909	3.862	4.805	4.065
Imports from Persian Gulf ^{2/}												
Total.....	3.912	4.031	4.046	4.239	4.103	4.514	4.097	3.948	3.530	3.421	4.310	3.691
Bahrain.....	.000	.016	.039	.060	.022	.032	.025	.047	.042	.015	.016	.014
Iran.....	.439	.467	.300	.446	.564	.496	.483	.399	.332	.191	.447	.546
Kuwait.....	.511	.542	.516	.561	.455	.545	.507	.474	.465	.505	.523	.465
U.A.E.....	1.515	1.425	1.498	1.427	1.314	1.538	1.477	1.223	1.264	1.283	1.529	1.260
Qatar.....	.292	.363	.296	.330	.353	.452	.352	.409	.324	.277	.415	.335
Saudi Arabia.....	1.154	1.219	1.396	1.414	1.395	1.452	1.252	1.396	1.104	1.150	1.381	1.072
Imports from OPEC-Africa												
Total.....	.000	.062	.000	.047	.029	.078	.035	.016	.019	.011	.023	.024
Algeria.....	.000	.000	.000	.007	.008	.018	.019	.003	.019	.011	.010	.006
Nigeria.....	.000	.062	.000	.039	.021	.060	.016	.012	.000	.000	.013	.017
Imports from OPEC-South America												
Total.....	.000	.000	.007	.006	.000	.000	.000	.010	.000	.000	.000	.010
Venezuela.....	.000	.000	.007	.006	.000	.000	.000	.010	.000	.000	.000	.010
Imports from OPEC-Far East												
Total.....	.504	.497	.482	.543	.549	.499	.476	.395	.402	.446	.488	.353
Indonesia.....	.504	.497	.482	.543	.549	.499	.476	.395	.402	.446	.488	.353

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

	1995			1996								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total Net Imports..	7.258	6.911	7.542	6.817	7.063	6.758	7.560	6.718	6.077	7.826	6.650	7.621
Imports from OPEC ^{1/}	6.666	5.912	6.585	5.936	6.590	6.136	6.220	5.854	5.646	6.074	5.831	6.362
Imports from Persian Gulf ^{2/}												
Total.....	3.719	3.243	3.408	3.293	3.568	3.214	3.376	2.975	3.135	2.972	3.129	3.412
Bahrain.....	.001	.000	.000	.003	.000	.000	.000	.000	.000	.000	.000	.008
Iran.....	1.273	1.085	1.260	1.061	1.279	1.178	1.105	1.072	1.230	1.009	1.119	1.366
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.219	.283	.302	.281	.447	.301	.289	.257	.224	.291	.205	.337
U.A.E.....	.016	.005	.000	.004	.004	.000	.000	.000	.000	.000	.000	.008
Qatar.....	.000	.000	.000	.000	.000	.019	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	2.210	1.870	1.846	1.945	1.838	1.716	1.983	1.646	1.681	1.671	1.805	1.692
Imports from OPEC-Africa												
Total.....	2.618	2.416	2.900	2.495	2.788	2.677	2.595	2.595	2.293	2.741	2.424	2.631
Algeria.....	.762	.666	.934	.724	.863	.729	.729	.678	.643	.753	.568	.770
Libya.....	1.173	1.121	1.311	1.236	1.220	1.256	1.202	1.201	1.099	1.331	1.295	1.221
Nigeria.....	.684	.630	.655	.535	.706	.692	.664	.716	.550	.657	.560	.639
Imports from OPEC-South America												
Total.....	.315	.235	.260	.116	.215	.218	.242	.266	.201	.253	.261	.264
Venezuela.....	.315	.235	.260	.116	.215	.218	.242	.266	.201	.253	.261	.264
Imports from OPEC-Far East												
Total.....	.016	.018	.017	.035	.018	.028	.007	.017	.018	.108	.017	.063
Indonesia.....	.016	.018	.017	.035	.018	.028	.007	.017	.018	.108	.017	.063

^{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. •"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. •Zeros (.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								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total Net Imports..	1.638	1.713	1.778	1.596	1.818	1.764	1.928	1.556	1.457	1.895	1.496	1.669
Imports from OPEC ^{1/}	1.059	.774	.807	.767	.885	1.009	.958	.928	.747	1.142	.720	.904
Imports from Persian Gulf ^{2/}												
Total.....	.749	.530	.530	.600	.637	.604	.656	.545	.465	.705	.459	.533
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.008
Iran.....	.251	.203	.217	.227	.129	.254	.192	.145	.164	.246	.153	.124
Kuwait.....	.000	.002	.000	.000	.000	.000	.062	.000	.000	.063	.000	.065
U.A.E.....	.016	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000	.008
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.482	.324	.313	.372	.507	.351	.402	.401	.301	.395	.306	.327
Imports from OPEC-Africa												
Total.....	.311	.245	.277	.158	.248	.405	.303	.382	.282	.437	.261	.379
Algeria.....	.134	.120	.107	.061	.039	.134	.138	.112	.118	.089	.106	.128
Libya.....	.046	.028	.022	.041	.037	.065	.026	.032	.028	.075	.079	.057
Nigeria.....	.131	.098	.149	.056	.172	.206	.138	.238	.137	.273	.076	.194
Imports from OPEC-South America												
Total.....	.000	.000	.000	.009	.000	.000	.000	.000	.000	.000	.000	.000
Venezuela.....	.000	.000	.000	.009	.000	.000	.000	.000	.000	.000	.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

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 3.11 Germany—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	1995			1996								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total Net Imports..	2.754	2.556	2.704	2.781	2.849	2.694	2.632	2.663	2.700	2.873	2.887	2.920
Imports from OPEC ^{1/}	.745	.492	.646	.708	.638	.665	.684	.648	.623	.716	.619	.701
Imports from Persian Gulf ^{2/}												
Total.....	.170	.088	.098	.102	.080	.118	.125	.134	.187	.178	.153	.199
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iran.....	.037	.011	.006	.018	.001	.018	.007	.004	.038	.033	.029	.034
Kuwait.....	.011	.019	.010	.014	.006	.018	.021	.012	.005	.016	.015	.021
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.....	.123	.058	.083	.070	.073	.082	.097	.117	.144	.129	.109	.144
Imports from OPEC-Africa												
Total.....	.495	.321	.488	.566	.509	.533	.468	.440	.394	.462	.418	.414
Algeria.....	.147	.106	.134	.208	.197	.148	.184	.162	.079	.115	.055	.089
Libya.....	.261	.164	.280	.267	.262	.257	.263	.185	.214	.320	.292	.261
Nigeria.....	.087	.051	.074	.090	.050	.128	.021	.092	.101	.027	.071	.064
Imports from OPEC-South America												
Total.....	.080	.083	.060	.040	.049	.014	.091	.073	.042	.076	.049	.087
Venezuela.....	.080	.083	.060	.040	.049	.014	.091	.073	.042	.076	.049	.087
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

^{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. •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								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total Net Imports..	1.925	1.862	1.991	1.934	1.764	1.822	1.691	1.729	1.611	1.749	1.757	1.780
Imports from OPEC ^{1/}	1.350	1.247	1.428	1.161	1.365	1.341	1.199	1.072	1.182	1.128	1.241	1.322
Imports from Persian Gulf ^{2/}												
Total.....	.695	.505	.626	.494	.546	.601	.501	.307	.516	.447	.513	.569
Bahrain.....	.001	.000	.000	.003	.000	.000	.000	.000	.000	.000	.000	.000
Iran.....	.411	.305	.308	.234	.336	.295	.228	.115	.297	.281	.301	.364
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	.019	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.283	.201	.317	.258	.211	.287	.273	.192	.219	.165	.211	.205
Imports from OPEC-Africa												
Total.....	.620	.706	.768	.635	.801	.713	.681	.715	.648	.665	.687	.714
Algeria.....	.044	.130	.168	.083	.147	.089	.081	.116	.096	.123	.095	.153
Libya.....	.543	.556	.579	.552	.591	.623	.600	.561	.552	.541	.592	.515
Nigeria.....	.033	.020	.021	.000	.063	.000	.000	.039	.000	.000	.000	.047
Imports from OPEC-South America												
Total.....	.021	.018	.017	.000	.000	.000	.010	.034	.000	.000	.024	.000
Venezuela.....	.021	.018	.017	.000	.000	.000	.010	.034	.000	.000	.024	.000
Imports from OPEC-Far East												
Total.....	.016	.017	.017	.034	.018	.028	.007	.017	.018	.017	.017	.039
Indonesia.....	.016	.017	.017	.034	.018	.028	.007	.017	.018	.017	.017	.039

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								
	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept
Total.....	0.989	1.072	1.033	1.113	1.129	0.983	0.999	0.972	1.079	1.091	1.019	1.040
United States ¹ /....	.250	.238	.215	.148	.216	.127	.201	.230	.388	.266	.271	.236
Canada.....	.000	.000	.000	.113	.000	.000	.000	.000	.000	.000	.000	.000
OECD Europe ² /.....	.219	.283	.302	.281	.447	.301	.289	.257	.224	.291	.205	.337
Main European Importers												
France.....	.000	.002	.000	.000	.000	.000	.062	.000	.000	.063	.000	.065
Germany ³ /.....	.011	.019	.010	.014	.006	.018	.021	.012	.005	.016	.015	.021
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.....	.153	.217	.191	.168	.350	.158	.136	.199	.143	.212	.144	.205
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.056	.029	.028	.030	.033	.057	.030	.029	.059	.000	.029	.030
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Belgium.....	.000	.000	.043	.053	.042	.052	.025	.001	.000	.000	.000	.000
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.....	.000	.016	.031	.016	.016	.016	.016	.016	.016	.000	.016	.016
Japan.....	.511	.542	.516	.561	.455	.545	.507	.474	.465	.505	.523	.465
Other OECD.....	.009	.009	.000	.010	.011	.010	.002	.010	.003	.029	.019	.002

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, December 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	Indo- nesia	Iran	Iraq	Kuwait1/	Libya	Nigeria	Qatar	Saudi Arabia1/	Arab Emirates	United Vene- zuela	Total OPEC
1970 Average.....	1,029	854	3,829	1,549	2,990	3,318	1,083	362	3,799	780	3,708	R23,301
1971 Average.....	785	892	4,540	1,694	3,197	2,761	1,531	431	4,769	1,060	3,549	R25,209
1972 Average.....	1,062	1,081	5,023	1,466	3,283	2,239	1,816	482	6,016	1,203	3,220	R26,891
1973 Average.....	1,097	1,339	5,861	2,018	3,020	2,175	2,054	570	7,596	1,533	3,366	R30,629
1974 Average.....	1,009	1,375	6,022	1,971	2,546	1,521	2,255	518	8,480	1,679	2,976	R30,351
1975 Average.....	983	1,307	5,350	2,262	2,084	1,480	1,783	438	7,075	1,664	2,346	R26,771
1976 Average.....	1,075	1,504	5,883	2,415	2,145	1,933	2,067	497	8,577	1,936	2,294	R30,327
1977 Average.....	1,152	1,686	5,663	2,348	1,969	2,063	2,085	445	9,245	1,999	2,238	R30,893
1978 Average.....	1,231	1,635	5,242	2,563	2,131	1,983	1,897	487	8,301	1,831	2,165	R29,464
1979 Average.....	1,224	1,591	3,168	3,477	2,500	2,092	2,302	508	9,532	1,831	2,356	R30,581
1980 Average.....	1,106	1,577	1,662	2,514	1,656	1,787	2,055	472	9,900	1,709	2,168	R26,606
1981 Average.....	1,002	1,605	1,380	1,000	1,125	1,140	1,433	405	9,815	1,474	2,102	R22,481
1982 Average.....	987	1,339	2,214	1,012	823	1,150	1,295	330	6,483	1,250	1,895	R18,778
1983 Average.....	968	1,343	2,440	1,005	1,064	1,105	1,241	295	5,086	1,149	1,801	R17,497
1984 Average.....	1,014	1,412	2,174	1,209	1,157	1,087	1,388	394	4,663	1,146	1,798	R17,442
1985 Average.....	1,037	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	R16,181
1986 Average.....	945	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	R18,275
1987 Average.....	1,048	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	R18,517
1988 Average.....	1,040	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	R20,324
1989 Average.....	1,095	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	R22,071
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	R23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	R23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	R24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	R25,119
1994 Average.....	1,180	1,514	3,635	553	2,034	1,378	2,037	444	8,147	2,263	2,588	R25,773
1995 Average P.....	1,197	1,523	3,643	555	2,057	1,390	2,028	483	8,231	2,274	2,750	R26,132

1/ 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. R=Revised data.

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 ^{1/}	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

^{1/} 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	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ^{1/}	World
1970 Average.....	326	109	144	18	487	332	--	6,985	80	9,637	1,529	45,886
1971 Average.....	293	115	143	69	486	294	--	7,475	100	9,463	1,518	48,518
1972 Average.....	231	125	156	93	505	282	--	7,890	124	9,441	1,592	51,138
1973 Average.....	165	150	147	91	465	293	--	8,324	105	9,208	1,667	55,679
1974 Average.....	150	202	156	81	571	290	--	8,912	124	8,774	1,711	55,716
1975 Average.....	235	223	165	98	705	343	--	9,523	170	8,375	1,636	52,828
1976 Average.....	330	223	175	165	831	366	--	10,060	175	8,132	1,620	57,344
1977 Average.....	415	222	199	184	981	341	--	10,603	188	8,245	1,655	59,707
1978 Average.....	485	209	226	217	1,209	315	--	11,105	170	8,707	1,706	60,158
1979 Average.....	525	203	245	283	1,461	295	--	11,384	166	8,552	1,821	62,674
1980 Average.....	595	175	182	283	1,936	282	--	11,706	164	8,597	1,842	59,600
1981 Average.....	598	151	325	264	2,313	319	--	11,850	166	8,572	1,859	56,076
1982 Average.....	670	156	390	306	2,748	324	--	11,912	160	8,649	1,892	53,481
1983 Average.....	727	157	480	365	2,689	375	--	11,972	167	8,688	1,946	53,256
1984 Average.....	822	157	519	440	2,780	414	--	11,861	170	8,879	2,015	54,489
1985 Average.....	887	172	620	440	2,745	498	--	11,585	178	8,971	2,124	53,982
1986 Average.....	813	166	630	504	2,435	560	--	11,895	194	8,680	2,166	56,227
1987 Average.....	896	155	609	497	2,548	582	--	12,050	230	8,349	2,120	56,666
1988 Average.....	848	159	635	540	2,512	617	--	12,053	265	8,140	2,235	58,737
1989 Average.....	865	208	700	585	2,520	641	--	11,715	340	7,613	2,249	59,863
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253	60,566
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274	60,207
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,233	60,216
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,288	60,246
1994 Average.....	896	329	590	645	2,689	815	6,135	--	560	6,662	3,408	61,358
1995 Average P....	920	341	703	682	2,618	851	5,768	--	610	6,560	3,358	62,230

^{1/} 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	Indo- nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene- zuela	Total OPEC
1980 Average...	1,006	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	R26,390
1981 Average...	802	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	R22,155
1982 Average...	712	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	R18,349
1983 Average...	648	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	R16,996
1984 Average...	694	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	R16,805
1985 Average...	702	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	R15,503
1986 Average...	600	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	R17,575
1987 Average...	648	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	R17,648
1988 Average...	640	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	R19,421
1989 Average...	690	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	R21,201
1990 Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	R22,458
1991 Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	R22,506
1992 Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	R23,558
1993 Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	R24,304
1994 Average...	750	1,334	3,600	548	2,034	1,378	1,887	409	8,147	2,183	2,542	R24,812
1995 Average P.	767	1,343	3,608	550	2,057	1,390	1,876	449	8,231	2,197	2,710	R25,179

^{1/} 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. R=Revised data.

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 ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	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

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

^{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.

P=Preliminary.

Sources: See end of Section 4.

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

	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average.....	11,673	13,541	14,571	R23,567	48,986
1971 Average.....	11,554	15,940	15,427	R25,514	51,766
1972 Average.....	11,601	17,734	16,451	R27,228	54,574
1973 Average.....	11,428	20,895	18,656	R31,015	59,300
1974 Average.....	10,978	21,550	18,399	R30,762	59,391
1975 Average.....	10,505	19,223	16,831	R27,218	56,511
1976 Average.....	10,251	21,847	19,563	R30,841	61,121
1977 Average.....	10,437	22,098	20,372	R31,443	63,665
1978 Average.....	10,820	21,067	19,819	R30,120	64,225
1979 Average.....	10,707	21,569	22,575	R31,300	66,973
1980 Average.....	10,809	18,541	20,715	R27,419	64,153
1981 Average.....	10,739	15,894	17,619	R23,393	60,763
1982 Average.....	10,783	12,815	13,786	R19,702	58,226
1983 Average.....	10,788	11,676	12,416	R18,352	58,056
1984 Average.....	11,107	11,433	12,619	R18,389	59,645
1985 Average.....	11,192	10,320	11,498	R17,151	59,264
1986 Average.....	10,905	12,441	13,653	R19,310	61,771
1987 Average.....	10,648	12,869	13,992	R19,589	62,429
1988 Average.....	10,473	14,310	15,662	R21,465	64,707
1989 Average.....	9,880	15,733	16,658	R23,323	65,894
1990 Average.....	9,677	16,249	17,232	R24,536	66,756
1991 Average.....	9,883	15,704	16,747	R24,625	66,634
1992 Average.....	9,768	17,010	17,871	R25,818	66,937
1993 Average.....	9,602	17,792	18,505	R26,610	67,343
1994 Average.....	9,413	18,234	18,885	R27,303	68,585
1995 Average P.....	9,400	18,403	19,152	R27,644	69,796

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

^{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.

P=Preliminary. R=Revised data.

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 ^{1/}	United Kingdom	OECD Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}	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	107	1,228	1,563	109	630	71	3,601

1/ 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.

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. 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.

4/ "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 ^{1/}	United Kingdom	OECD Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}	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	13,523	17,237	1,688	5,401	1,117	--	--	38,966	66,199
1994 Average...	1,833	1,841	2,879	1,837	13,597	17,718	1,727	5,674	1,176	--	--	39,892	68,683
1995 Average P.	1,896	2,048	2,875	1,845	14,120	17,725	1,755	5,711	1,227	--	--	40,537	70,219

^{1/} 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.

^{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.

P=Preliminary. --=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	20.717
United States ^{1/}	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	-.756
OECD Europe ^{2/}	7.381	7.893	7.742	7.774	7.994	8.210	8.588	8.459	8.127	7.355	7.226
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 ^{3/}	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.739	2.723	2.731	2.699
Italy.....	1.603	1.642	1.718	1.590	1.716	1.788	1.769	1.839	1.747	1.778	1.820
Netherlands.....	.515	.632	.562	.646	.635	.677	.690	.713	.688	.720	.700
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	-.969
Smaller European Importers											
Austria.....	.174	.188	.194	.185	.191	.201	.212	.209	.205	.210	.194
Belgium.....	.382	.456	.443	.451	.454	.442	.506	.517	.503	.517	.495
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	.145
Greece.....	.210	.245	.230	.242	.252	.273	.297	.326	.327	.292	.343
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	.356
Switzerland.....	.257	.290	.254	.258	.254	.273	.273	.277	.250	.262	.248
Turkey.....	.310	.342	.402	.397	.384	.425	.366	.413	.500	.490	.569
Japan.....	4.308	4.392	4.418	4.680	5.035	5.239	5.286	5.464	5.467	5.766	5.716
Other OECD.....	.322	.338	.291	.250	.313	.270	.392	.467	.599	.648	.647

^{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.....	10.398	12.280	12.327	13.049	14.521	15.576	15.360	15.567	16.017	15.765	15.469
United States ^{1/}	1.704	2.724	2.988	3.439	3.986	4.172	3.918	3.888	4.103	4.036	3.979
Canada.....	.128	.158	.154	.161	.205	.199	.210	.210	.268	.285	.257
OECD Europe ^{2/}	5.319	6.073	5.597	5.842	6.188	6.633	6.728	6.758	6.793	6.385	6.154
Main European Importers											
France.....	.841	.882	.684	.737	.875	1.101	1.021	.932	1.006	.956	.911
Germany ^{3/}	.784	.830	.675	.761	.739	.771	.859	.957	.948	.838	.711
Italy.....	1.204	1.361	1.307	1.191	1.260	1.375	1.393	1.343	1.222	1.117	1.203
Netherlands.....	.562	.768	.767	.850	.892	.850	.900	.914	.982	.906	.791
Spain.....	.535	.584	.543	.604	.686	.652	.700	.632	.582	.668	.781
European Net Exporters											
Norway.....	.005	.008	.002	.002	.003	.007	.014	.004	.005	.003	.003
United Kingdom....	.305	.324	.277	.322	.342	.406	.377	.390	.439	.306	.254
Smaller European Importers											
Austria.....	.085	.090	.087	.082	.086	.097	.108	.115	.127	.119	.057
Belgium.....	.159	.288	.257	.302	.353	.313	.362	.359	.359	.284	.276
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	.340	.298	.346	.303	.266	.263
Portugal.....	.113	.120	.101	.118	.156	.166	.139	.152	.166	.227	.209
Sweden.....	.051	.086	.062	.074	.064	.073	.105	.116	.123	.126	.109
Switzerland.....	.075	.068	.069	.051	.021	.036	.052	.051	.063	.082	.083
Turkey.....	.331	.344	.411	.439	.384	.388	.365	.412	.452	.475	.477
Japan.....	2.983	3.036	3.198	3.309	3.788	4.062	4.026	4.198	4.245	4.495	4.467
Other OECD.....	.264	.288	.389	.298	.355	.510	.478	.512	.609	.563	.612

^{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; 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	9.310
United States ^{1/}	.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 ^{2/}	2.560	3.513	3.330	3.428	3.754	3.908	3.660	3.666	4.048	3.506	3.365
Main European Importers											
France.....	.476	.586	.459	.484	.647	.864	.708	.640	.757	.651	.647
Germany ^{3/}	.152	.232	.187	.197	.216	.217	.227	.215	.250	.217	.172
Italy.....	.583	.817	.782	.643	.619	.626	.595	.573	.548	.430	.494
Netherlands.....	.294	.509	.516	.587	.663	.647	.609	.650	.744	.662	.563
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	.252
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	.068
Switzerland.....	.006	.008	.008	.007	.007	.007	.007	.007	.008	.012	.007
Turkey.....	.265	.289	.348	.411	.323	.307	.324	.349	.429	.405	.336
Japan.....	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.586	3.721	3.946	3.979
Other OECD.....	.176	.195	.299	.241	.267	.322	.300	.338	.381	.316	.334

^{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. •"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 ^{1/}	1.704	2.724	2.988	3.439	3.986	4.172	3.918	3.888	4.103	4.036	3.979
Imports from Persian Gulf ^{2/}											
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.....	.484	.711	.830	.918	1.084	1.080	.956	.876	.956	.880	.859
Algeria.....	.187	.271	.295	.300	.269	.280	.253	.196	.220	.243	.234
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

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. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeros (.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	5.716
Imports from OPEC ^{1/}	2.983	3.036	3.198	3.309	3.788	4.062	4.026	4.198	4.245	4.495	4.467
Imports from Persian Gulf ^{2/}											
Total.....	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.586	3.721	3.946	3.979
Bahrain.....	.026	.034	.037	.036	.042	.037	.037	.029	.025	.028	.029
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	.501
U.A.E.....	.845	.890	.773	.822	.929	1.032	1.285	1.256	1.287	1.398	1.420
Qatar.....	.220	.183	.139	.203	.250	.263	.285	.300	.330	.328	.335
Saudi Arabia.....	.904	.789	1.005	.930	.984	1.240	1.367	1.420	1.327	1.303	1.296
Imports from OPEC-Africa											
Total.....	.010	.016	.023	.044	.015	.011	.011	.007	.008	.017	.026
Algeria.....	.010	.015	.023	.044	.015	.010	.010	.007	.008	.012	.011
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	.488
Indonesia.....	.452	.486	.563	.599	.631	.682	.673	.624	.533	.551	.488

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. •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	7.226
Imports from OPEC ^{1/}	5.319	6.073	5.597	5.842	6.188	6.633	6.728	6.758	6.793	6.385	6.154
Imports from Persian Gulf ^{2/}											
Total.....	2.560	3.513	3.330	3.428	3.754	3.908	3.660	3.666	4.048	3.506	3.365
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	1.149
Iraq.....	.673	.717	.905	.959	.897	.591	.000	.000	.000	.000	.000
Kuwait.....	.356	.456	.469	.474	.452	.346	.019	.142	.461	.302	.269
U.A.E.....	.131	.164	.206	.134	.214	.446	.281	.199	.092	.067	.011
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	1.933
Imports from OPEC-Africa											
Total.....	2.448	2.309	2.058	2.198	2.224	2.509	2.818	2.818	2.491	2.644	2.500
Algeria.....	.659	.615	.627	.646	.648	.683	.757	.772	.693	.690	.724
Libya.....	.948	.967	.962	1.071	1.044	1.267	1.332	1.361	1.193	1.233	1.201
Nigeria.....	.841	.727	.469	.481	.532	.559	.729	.686	.605	.721	.575
Imports from OPEC-South America											
Total.....	.307	.252	.208	.220	.212	.227	.249	.268	.240	.219	.273
Venezuela.....	.307	.252	.208	.220	.212	.227	.249	.268	.240	.219	.273
Imports from OPEC-Far East											
Total.....	.008	.002	.002	.005	.004	.008	.002	.009	.019	.019	.017
Indonesia.....	.008	.002	.002	.005	.004	.008	.002	.009	.019	.019	.017

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. •"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 ^{1/}	.841	.882	.684	.737	.875	1.101	1.021	.932	1.006	.956	.911
Imports from											
Persian Gulf ^{2/}											
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.....	.344	.279	.212	.249	.218	.233	.296	.281	.242	.301	.262
Algeria.....	.109	.089	.072	.079	.089	.092	.107	.105	.066	.089	.103
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

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. •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	2.699
Imports from OPEC ^{1/}	.784	.830	.675	.761	.739	.771	.859	.957	.948	.838	.711
Imports from											
Persian Gulf ^{2/}											
Total.....	.152	.232	.187	.197	.216	.217	.227	.215	.250	.217	.172
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	.125
Imports from OPEC-Africa											
Total.....	.528	.484	.401	.472	.436	.465	.524	.614	.594	.543	.461
Algeria.....	.130	.137	.146	.141	.106	.098	.126	.183	.195	.161	.135
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

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. •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	1.820
Imports from OPEC ^{1/}	1.204	1.361	1.307	1.191	1.260	1.375	1.393	1.343	1.222	1.117	1.203
Imports from Persian Gulf ^{2/}											
Total.....	.583	.817	.782	.643	.619	.626	.595	.573	.548	.430	.494
Bahrain.....	.002	.001	.000	-	.001	.000	.001	.001	.000	.000	.000
Iran.....	.146	.135	.141	.093	.124	.192	.231	.239	.221	.143	.233
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.....	.550	.505	.489	.516	.626	.740	.793	.757	.653	.660	.679
Algeria.....	.110	.087	.109	.108	.150	.155	.155	.140	.096	.099	.100
Libya.....	.299	.309	.342	.389	.430	.556	.581	.584	.542	.543	.562
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

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. •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 ^{1/}	.046	.081	.083	.343	.449	.518	.000	.000	-	-	-
Canada.....	-	-	.010	.001	.013	.011	.000	.000	-	-	-
OECD Europe ^{2/}	.673	.717	.905	.959	.897	.591	.000	.000	.000	.000	.000
Main European Importers											
France.....	.138	.109	.151	.143	.128	.062	.000	.000	-	-	-
Germany ^{3/}	.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	0.997
United States ^{1/}	.021	.068	.082	.092	.157	.086	.006	.051	.353	.312	.218
Canada.....	-	-	-	-	-	.004	-	-	.000	.027	.000
OECD Europe ^{2/}	.356	.456	.469	.474	.452	.346	.019	.142	.461	.302	.269
Main European Importers											
France.....	.035	.023	.044	.017	.021	.015	.011	.029	.032	.016	.022
Germany ^{3/}	.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	.176
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	.004
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	.014
Japan.....	.215	.278	.347	.341	.458	.291	.014	.220	.368	.430	.501
Other OECD.....	.032	.028	.026	.029	.017	.013	.000	.000	.009	.011	.009

^{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.

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, 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, and as of December 31, 1994, Gabon withdrew its membership. For consistency, Ecuador and Gabon are 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 September 1996 United States (including territories) oil stocks totaled 1,419 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

Conversions

Table E1. Refined Petroleum Products Conversion Factors

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

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

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
North America											
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
Central & South America											
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
Western Europe											
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
Eastern Europe & Former U.S.S.R.											
Albania.....	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	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
Middle East											
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
Africa											
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
Far East & Oceania											
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).