International Petroleum Statistics Report

September 1993

OSTI

OCT 12 1993

RECEIVED

MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

al

This publication and other Energy Information Administration (EIA) publications may be purchased from the Superintendent of Documents, U.S. Government Printing Office.

All telephone orders should be directed to:

U.S. Government Printing Office
McPherson Square Bookstore
1510 H Street, N.W.
Washington, DC 20005
(202)653-2050
FAX (202)376-5055
9 a.m. to 4:30 p.m., eastern time, M-F

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402
(202)783-3238
FAX (202)512-2233
8 a.m. to 4 p.m., eastern time, M-F

All mail orders should be directed to:

U.S. Government Printing Office
P.O. Box 371954
Pittsburgh, PA 15250-7954

Complimentary subscriptions and single issues are available to certain groups of subscribers, such as public and academic libraries, Federal, State, local and foreign governments, EIA survey respondents, and the media. For further information and for answers to questions on energy statistics, please contact EIA's National Energy Information Center. Address, telephone numbers, and hours are as follows:

National Energy Information Center, EI-231
Energy Information Administration
Forrestal Building, Room 1F-048
Washington, DC 20585
(202)586-8800
TTY: For people who are deaf or hard
of hearing: (202)586-1181
9 a.m. to 5 p.m., eastern time, M-F

DOE/EIA-0520(93/09)
Distribution Category UC-950

International Petroleum Statistics Report

September 1993

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

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

Preface

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

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

The International Petroleum Statistics Report presents data on international oil production, demand, imports, exports, and stocks. The report has four sections. Section 1 contains time series data on world oil production, and on oil demand and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1980, and monthly data for the most recent two years. Section 2 presents an oil supply/demand balance for 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 1992; OECD stocks from 1973 through 1992; and OECD trade from 1982 through 1992.

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 Arthur T. Andersen, Director, Energy Markets and Contingency Information Division, (202) 586-1441. 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, Team Leader, Statistics Team, (202) 586-9415, or Patricia A. Smith (202) 586-6925 or to H. Vicky McLaine (202) 586-9412.

Recent International Developments

- o OPEC's (excluding Ecuador) average crude oil production (excluding condensate) for August 1993 was estimated to be 24.9 to 25.0 million barrels per day (MMBD). The largest producers were Saudi Arabia (including a share of the Neutral Zone) (8.2 to 8.3 MMBD), Iran (3.7 MMBD), Venezuela (2.3 MMBD), and the United Arab Emirates (2.1 to 2.2 MMBD).
- o The International Energy Agency (IEA) preliminary estimates of oil consumption for the Organization for Economic Cooperation and Development (OECD) countries in the second quarter of 1993 indicated an increase of 0.4 MMBD from the second quarter 1992 average. The IEA estimates that oil consumption in the second quarter of 1993 averaged 37.9 MMBD.
- o Company-owned oil stocks on land in OECD countries are estimated by the IEA to have increased by 0.9 MMBD in the second quarter of 1993. Government-owned oil stocks increased by 0.1 MMBD in the second quarter of 1993. The IEA estimates that total oil stocks in the OECD increased by 1.0 MMBD in the second quarter of 1993.

NOTE

For the time being, 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).

Contents

	Page
Section 1. Annual and Monthly Oil Data	
Table 1.1 World Crude Oil Production (Including Lease Condensate).....	2
Table 1.2 OPEC Crude Oil Production (Excluding Condensate).....	4
Table 1.3 World Natural Gas Plant Liquids Production.....	5
Table 1.4 World Oil Supply of Crude Oil, Natural Gas Liquids, Other Liquids, and Refinery Gain.....	6
Table 1.5 Oil Stocks in OECD Countries, End of Period.....	7
Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries...	8
Table 1.7 OECD Oil Demand.....	9
Section 2. International Oil Balance	
Table 2.1 World Oil Balance.....	12
Table 2.2 World Oil Supply.....	13
Table 2.3 Oil Stocks, End of Period.....	14
Table 2.4 World Oil Demand.....	15
Section 3. International Oil Imports	
Table 3.1 Net Oil Imports Into OECD Countries (1992 Average)	18
Table 3.2 Net Oil Imports Into OECD Countries (1st Quarter 1993).....	19
Table 3.3 Net Oil Imports Into OECD Countries (4th Quarter 1992).....	20
Table 3.4 OECD Total Net Oil Imports (Most Recent 12 Months).....	21
Table 3.5 OECD Imports From OPEC (Most Recent 12 Months).....	22
Table 3.6 OECD Imports From Persian Gulf (Most Recent 12 Months).....	23
Table 3.7 United States—Net Oil Imports (Most Recent 12 Months).....	24
Table 3.8 Japan—Net Oil Imports (Most Recent 12 Months).....	25
Table 3.9 OECD Europe—Net Oil Imports (Most Recent 12 Months).....	26
Table 3.10 France—Net Oil Imports (Most Recent 12 Months).....	27
Table 3.11 Germany—Net Oil Imports (Most Recent 12 Months).....	28
Table 3.12 Italy—Net Oil Imports (Months Recent 12 Months).....	29
Table 3.13 OECD Imports From Kuwait (Most Recent 12 Months).....	30
Section 4. Historical Oil Data Series	
Table 4.1 World Crude Oil Production (Including Lease Condensate).....	34
Table 4.2 World Natural Gas Plant Liquids Production.....	36
Table 4.3 World Oil Supply of Crude Oil, Natural Gas Liquids, Other Liquids, and Refinery Gain.....	37
Table 4.4 Oil Stocks in OECD Countries, End of Period.....	38
Table 4.5 OECD Oil Demand.....	39
Table 4.6 OECD Total Net Oil Imports 1982-1992.....	40
Table 4.7 OECD Imports From OPEC 1982-1992.....	41
Table 4.8 OECD Imports From Persian Gulf 1982-1992.....	42
Table 4.9 United States—Net Oil Imports 1982-1992.....	43
Table 4.10 Japan—Net Oil Imports 1982-1992.....	44

Contents - Continued

	Page
Section 4. Historical Oil Data Series - Continued	
Table 4.11 OECD Europe—Net Oil Imports 1982-1992.....	45
Table 4.12 France—Net Oil Imports 1982-1992.....	46
Table 4.13 Germany—Net Oil Imports 1982-1992.....	47
Table 4.14 Italy—Net Oil Imports 1982-1992.....	48
Table 4.15 OECD Imports From Iraq 1982-1992.....	49
Table 4.16 OECD Imports From Kuwait 1982-1992.....	50
Appendix A. Organizational and Geographical Definitions.....	53
Appendix B. Explanatory Notes.....	55
Appendix C. Glossary.....	59
Appendix D. Estimation Procedures.....	61

1. Annual and Monthly Oil Data

Table 1.1 World Crude Oil Production (Including Lease Condensate)
(Thousand Barrels per Day)

	Algeria	Iraq	Kuwait ^{1/}	Libya	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Arab Members of OPEC ^{2/}	Indonesia	Iran
1980 Average.....	1,106	2,514	1,656	1,787	472	9,900	1,709	19,144	1,577	1,662
1981 Average.....	1,002	1,000	1,125	1,140	405	9,815	1,474	15,961	1,605	1,380
1982 Average.....	987	1,012	823	1,150	330	6,483	1,250	12,035	1,339	2,214
1983 Average.....	968	1,005	1,064	1,105	295	5,086	1,149	10,672	1,343	2,440
1984 Average.....	1,014	1,209	1,157	1,087	394	4,663	1,146	10,670	1,412	2,174
1985 Average.....	1,037	1,433	1,023	1,059	301	3,388	1,193	9,434	1,325	2,250
1986 Average.....	945	1,690	1,419	1,034	308	4,870	1,330	11,596	1,390	2,035
1987 Average.....	1,048	2,079	1,585	972	293	4,265	1,541	11,783	1,343	2,298
1988 Average.....	1,040	2,685	1,492	1,175	346	5,086	1,565	13,389	1,342	2,240
1989 Average.....	1,095	2,897	1,783	1,150	380	5,064	1,860	14,229	1,409	2,810
1990 Average.....	1,175	2,040	1,175	1,375	406	6,410	2,117	14,698	1,462	3,088
1991 Average.....	1,230	298	187	1,483	390	8,181	2,447	14,216	1,613	3,334
1992 January.....	1,230	450	565	1,550	350	8,790	2,435	15,370	1,580	3,500
February.....	1,230	450	630	1,550	325	8,640	2,425	15,250	1,605	3,500
March.....	1,230	450	735	1,450	375	8,260	2,300	14,800	1,630	3,350
April.....	1,230	450	863	1,500	375	8,213	2,300	14,930	1,605	3,250
May.....	1,210	450	915	1,450	375	8,265	2,300	14,965	1,530	3,250
June.....	1,210	450	1,015	1,450	375	8,315	2,275	15,090	1,560	3,250
July.....	1,210	450	1,080	1,450	400	8,350	2,300	15,240	1,550	3,300
August.....	1,210	450	1,130	1,425	425	8,400	2,330	15,370	1,540	3,450
September.....	1,210	450	1,200	1,475	425	8,450	2,320	15,530	1,550	3,450
October.....	1,210	450	1,280	1,500	440	8,505	2,310	15,695	1,550	3,650
November.....	1,210	450	1,375	1,500	440	8,500	2,305	15,780	1,550	3,650
December.....	1,210	450	1,550	1,500	440	8,575	2,305	16,030	1,550	3,550
1992 Average.....	1,217	450	1,029	1,483	396	8,438	2,325	15,338	1,566	3,429
1993 January.....	1,210	500	1,675	1,480	450	8,500	2,295	16,110	1,550	3,650
February.....	1,210	500	1,865	1,425	430	8,440	2,305	16,175	1,530	3,750
March.....	1,200	500	1,650	1,350	400	8,300	2,270	15,670	1,500	3,700
April.....	1,200	500	1,645	1,350	400	8,000	2,270	15,365	1,480	3,500
May.....	1,200	500	R1,713	1,350	420	8,000	2,230	R15,413	1,510	3,650
June.....	1,200	500	R1,775	1,350	400	R8,150	2,230	R15,605	1,510	3,650
July.....	1,180	500	1,940	1,350	410	8,190	2,210	15,780	1,510	3,800
1993 Average.....	1,200	500	1,751	1,379	416	8,224	2,258	15,727	1,513	3,671

^{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 July 1993, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 380 thousand barrels per day.

^{2/}The Arab members of the Organization of Petroleum Exporting Countries (OPEC) are Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia, and the United Arab Emirates.

Table 1.1 World Crude Oil Production (Including Lease Condensate) (Continued)
(Thousand Barrels per Day)

	Nigeria	Venezuela	Total OPEC ^{3/}	Canada	Mexico	United Kingdom	United States ^{4/}	China	Former USSR	Other ^{5/}	World
1980 Average.....	2,055	2,168	26,781	1,435	1,936	1,622	8,597	2,114	11,706	5,408	59,599
1981 Average.....	1,433	2,102	22,632	1,285	2,313	1,811	8,572	2,012	11,850	5,601	56,076
1982 Average.....	1,295	1,895	18,934	1,271	2,748	2,065	8,649	2,045	11,912	5,857	53,481
1983 Average.....	1,241	1,801	17,654	1,356	2,689	2,291	8,688	2,120	11,972	6,485	53,255
1984 Average.....	1,388	1,798	17,599	1,438	2,780	2,480	8,879	2,296	11,861	7,155	54,488
1985 Average.....	1,495	1,677	16,353	1,471	2,745	2,530	8,971	2,505	11,585	7,821	53,981
1986 Average.....	1,467	1,787	18,441	1,474	2,435	2,539	8,680	2,620	11,895	8,143	56,227
1987 Average.....	1,341	1,752	18,672	1,535	2,548	2,406	8,349	2,690	11,985	8,416	56,601
1988 Average.....	1,450	1,903	20,483	1,616	2,512	2,232	8,140	2,730	11,978	8,971	58,662
1989 Average.....	1,716	1,907	22,279	1,560	2,520	1,802	7,613	2,757	11,625	9,617	59,773
1990 Average.....	1,810	2,137	23,465	1,553	2,553	1,820	7,355	2,774	10,880	10,070	60,471
1991 Average.....	1,892	2,375	23,725	1,548	2,676	1,797	7,417	2,805	9,887	10,367	60,221
1992 January.....	1,975	2,390	25,100	1,585	2,675	1,920	7,361	2,830	9,115	10,821	61,407
February.....	1,925	2,340	24,880	1,560	2,665	1,905	7,389	2,865	8,650	10,670	60,584
March.....	1,900	2,190	24,170	1,620	2,680	1,755	7,348	2,835	8,760	10,744	59,912
April.....	1,925	2,190	24,205	1,535	2,680	1,835	7,293	2,855	9,025	10,838	60,266
May.....	1,925	2,290	24,265	1,510	2,660	1,700	7,169	2,835	8,455	10,566	59,160
June.....	1,925	2,290	24,420	1,560	2,680	1,545	7,167	2,830	8,440	10,758	59,400
July.....	1,975	2,290	24,660	1,630	2,660	1,780	7,131	2,825	8,365	10,818	59,869
August.....	2,000	2,340	25,005	1,675	2,685	1,825	6,922	2,815	8,130	10,802	59,858
September.....	2,025	2,390	25,245	1,620	2,685	1,830	7,030	2,860	7,980	10,873	60,123
October.....	2,050	2,440	25,685	1,665	2,655	1,930	7,126	2,875	7,965	11,017	60,918
November.....	2,050	2,440	25,770	1,640	2,640	1,945	7,024	2,845	7,910	10,847	60,621
December.....	2,100	2,415	25,945	1,575	2,655	1,935	7,103	2,785	7,870	11,074	60,942
1992 Average.....	1,982	2,334	24,947	1,598	2,668	1,825	7,171	2,838	8,388	10,820	60,255
1993 January.....	2,125	2,410	26,145	1,570	2,605	1,810	E7,008	2,885	7,800	10,736	60,559
February.....	2,105	2,390	26,250	1,610	2,610	1,930	E6,957	2,875	7,785	10,877	60,894
March.....	2,075	2,340	25,585	1,635	2,635	1,710	E6,976	2,885	7,685	11,044	60,155
April.....	2,025	2,340	25,010	1,604	2,674	1,697	E6,897	2,904	7,665	11,039	59,490
May.....	2,025	2,340	R25,238	R1,661	2,673	1,716	E6,833	R3,001	R8,054	R11,080	R60,256
June.....	1,995	2,340	R25,400	R1,705	R2,675	R1,641	RE6,756	R2,890	R7,957	R10,796	R59,820
July.....	1,975	2,340	25,695	1,625	2,680	1,930	PE6,681	2,890	7,957	11,027	60,485
1993 Average.....	2,046	2,357	25,612	1,630	2,651	1,775	PE6,872	2,905	7,844	10,944	60,233

^{3/}"Total OPEC" consists of Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

^{4/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{5/}Other is a calculated total derived from the difference between World and the sum of production in Total OPEC, Canada, Mexico, the United Kingdom, the United States, China and the Former USSR.

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

Notes: o Monthly data are often preliminary. Monthly data 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)
(Thousand Barrels per Day)

	Algeria	Gabon	Indonesia	Iran	Iraq	Kuwait ^{2/}	Libya	Nigeria	Qatar	Saudi Arabia ^{2/}	United Arab Emirates	Venezuela	Total OPEC
1980 Average...	1,006	175	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,565
1981 Average...	802	151	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,306
1982 Average...	712	156	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,505
1983 Average...	648	157	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	17,153
1984 Average...	694	157	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	16,962
1985 Average...	702	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,675
1986 Average...	600	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,741
1987 Average...	648	155	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,803
1988 Average...	640	159	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,580
1989 Average...	690	208	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,409
1990 Average...	765	277	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	22,735
1991 Average...	800	295	1,433	3,334	2,298	1,187	1,483	1,832	390	8,181	2,387	2,338	22,958
1992 January...	800	285	1,400	3,500	450	565	1,550	1,900	350	8,790	2,385	2,350	24,325
February...	800	260	1,425	3,500	450	630	1,550	1,850	325	8,640	2,375	2,300	24,105
March...	800	300	1,450	3,350	450	735	1,450	1,825	375	8,260	2,250	2,150	23,395
April...	800	305	1,425	3,250	450	863	1,500	1,850	375	8,213	2,250	2,150	23,430
May...	780	305	1,350	3,250	450	915	1,450	1,850	375	8,265	2,250	2,250	23,490
June...	780	305	1,380	3,250	450	1,015	1,450	1,850	375	8,315	2,225	2,250	23,645
July...	780	305	1,370	3,300	450	1,080	1,450	1,900	400	8,350	2,250	2,250	23,885
August...	780	305	1,360	3,450	450	1,130	1,425	1,925	425	8,400	2,280	2,300	24,230
September...	780	300	1,370	3,450	450	1,200	1,475	1,950	425	8,450	2,270	2,350	24,470
October...	780	300	1,370	3,650	450	1,280	1,500	1,975	440	8,505	2,260	2,400	24,910
November...	780	300	1,370	3,650	450	1,375	1,500	1,975	440	8,500	2,255	2,400	24,995
December...	780	300	1,370	3,550	450	1,550	1,500	2,000	440	8,575	2,255	2,375	25,145
1992 Average...	787	298	1,386	3,429	450	1,029	1,483	1,904	396	8,438	2,275	2,294	24,169
1993 January...	780	300	1,370	3,650	500	1,675	1,480	2,000	450	8,500	2,245	2,370	25,320
February...	780	300	1,350	3,750	500	1,865	1,425	1,980	430	8,440	2,255	2,350	25,425
March...	770	300	1,320	3,700	500	1,650	1,350	1,950	400	8,300	2,220	2,300	24,760
April...	770	300	1,300	3,500	500	1,645	1,350	1,900	400	8,000	2,220	2,300	24,185
May...	770	300	1,330	3,650	500	RI, 713	1,350	1,900	420	8,000	2,180	2,300	R24,413
June...	770	300	1,330	3,650	500	RI, 775	1,350	1,870	400	R8,150	2,180	2,300	R24,575
July...	750	290	1,330	3,800	500	1,940	1,350	1,850	410	8,190	2,160	2,300	24,870
1993 Average...	770	299	1,333	3,671	500	1,751	1,379	1,921	416	8,224	2,208	2,317	24,787

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

^{2/}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 July 1993, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 380 thousand barrels per day. Notes: Monthly data are often preliminary. Monthly data 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
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Former USSR	United States ^{1/}	Perian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
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	3,625
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	495	1,595	721	900	969	4,150
1988 Average.....	120	381	370	499	525	1,625	804	979	1,006	4,344
1989 Average.....	130	410	384	503	515	1,546	851	1,041	1,077	4,556
1990 Average.....	130	426	428	620	520	1,559	930	1,107	1,188	4,593
1991 Average.....	140	440	457	708	525	1,659	978	1,160	1,281	4,735
1992 January.....	140	460	450	750	525	1,688	1,035	1,217	1,336	4,996
February.....	140	450	460	740	525	1,696	1,025	1,207	1,390	5,133
March.....	140	465	460	710	525	1,694	990	1,172	1,380	5,125
April.....	140	450	460	705	525	1,693	985	1,167	1,330	5,073
May.....	140	410	440	710	525	1,695	990	1,172	1,325	5,072
June.....	140	420	445	710	525	1,701	990	1,172	1,330	4,994
July.....	140	435	440	715	525	1,683	995	1,177	1,330	5,011
August.....	140	435	430	715	525	1,638	995	1,177	1,335	5,027
September.....	140	420	440	720	525	1,660	1,000	1,177	1,335	4,982
October.....	140	430	450	725	525	1,722	1,005	1,182	1,340	4,982
November.....	140	420	440	720	525	1,754	1,000	1,187	1,345	5,102
December.....	140	420	440	725	525	1,744	1,005	1,182	1,345	5,119
1992 Average.....	140	435	446	720	525	1,697	1,001	1,187	1,345	5,104
1993 January.....	140	425	455	725	525	1,813	1,005	1,183	1,344	5,060
February.....	140	425	450	720	525	1,813	1,005	1,187	1,355	5,188
March.....	140	440	450	710	525	1,830	1,000	1,182	1,350	5,210
April.....	140	440	445	710	525	1,911	990	1,172	1,340	5,276
May.....	140	440	450	700	525	1,896	990	1,172	1,340	5,256
June.....	140	440	450	711	525	1,830	980	1,162	1,330	5,185
July.....	140	440	450	714	525	1,859	991	1,173	1,341	5,225
1993 Average.....	140	436	450	713	525	1,880	994	1,176	1,344	5,249
						1,860	993	1,175	1,343	5,227

^{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.

^{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 this group.

R-Revised data. E-Estimated.

Notes: Monthly data are often preliminary. Monthly data 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^{1/} of Crude Oil, Natural Gas Liquids, Other Liquids, and Refinery Gain
(Thousand Barrels per Day)**

	United States ^{2/}	Persian Gulf ^{3/}	OAPEC ^{4/}	OPEC ^{4/}	World
1980 Average.....	10,809	18,541	20,715	27,595	64,153
1981 Average.....	10,739	15,894	17,619	23,545	60,763
1982 Average.....	10,783	12,815	13,786	19,859	58,226
1983 Average.....	10,788	11,676	12,416	18,510	58,056
1984 Average.....	11,107	11,433	12,619	18,547	59,645
1985 Average.....	11,192	10,320	11,498	17,324	59,264
1986 Average.....	10,905	12,441	13,653	19,477	61,769
1987 Average.....	10,648	12,869	13,992	19,745	62,409
1988 Average.....	10,473	14,310	15,662	21,625	64,671
1989 Average.....	9,880	15,733	16,658	23,532	65,853
1990 Average.....	9,677	16,249	17,232	24,807	66,721
1991 Average.....	9,883	15,886	16,907	25,112	66,761
1992 January.....	9,937	17,202	18,159	26,547	68,181
February.....	9,908	17,072	18,033	26,317	67,286
March.....	9,841	16,537	17,554	25,557	66,537
April.....	9,828	16,509	17,696	25,587	66,933
May.....	9,751	16,619	17,741	25,652	65,795
June.....	9,753	16,743	17,845	25,807	66,049
July.....	9,795	16,948	17,990	26,052	66,630
August.....	9,431	17,252	18,124	26,397	66,465
September.....	9,654	17,367	18,284	26,642	66,819
October.....	9,708	17,712	18,474	27,087	67,633
November.....	9,768	17,792	18,549	27,167	67,483
December.....	9,851	17,947	18,814	27,347	67,802
1992 Average.....	9,768	17,142	18,106	26,347	66,968
1993 January.....	E10,042	18,147	18,889	27,557	67,721
February.....	E9,715	18,362	18,954	27,657	67,785
March.....	E9,786	17,882	18,444	26,982	67,083
April.....	E9,644	17,377	18,141	26,407	66,350
May.....	E9,529	R17,565	R18,215	R26,625	R67,059
June.....	RE9,421	R17,768	R18,415	R26,798	R66,604
July.....	PE9,465	18,116	18,563	27,096	67,391
1993 Average.....	PE9,658	17,884	18,513	27,012	67,139

^{1/}See Explanatory Note 1 in Appendix B.

^{2/}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.

^{3/}See Appendix A for countries in this group.

^{4/}OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in this group.

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

Notes: Monthly data are often preliminary. Monthly data 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^{1/} in OECD Countries, End of Period
(Million Barrels)

		France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}	Total OECD
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	72	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	1,182	1,617	119	607	65	3,589
1992	January.....	149	167	293	116	1,168	1,610	117	601	68	3,564
	February.....	145	172	303	118	1,181	1,588	111	596	66	3,542
	March.....	142	159	303	115	1,152	1,571	111	586	66	3,485
	April.....	140	165	307	115	1,172	1,583	111	578	62	3,505
	May.....	147	171	311	115	1,189	1,602	R109	588	63	R3,551
	June.....	148	157	307	114	1,180	1,603	112	583	69	3,547
	July.....	146	166	299	120	1,182	1,620	110	586	67	3,565
	August.....	150	169	303	117	1,211	1,621	113	604	69	3,618
	September....	148	155	299	112	1,184	1,636	110	608	69	3,607
	October.....	148	166	302	113	1,199	1,640	108	613	69	3,630
	November.....	149	172	306	116	1,205	1,636	110	611	71	3,633
	December.....	145	174	310	113	1,217	1,592	107	603	67	3,587
1993	January.....	148	171	319	120	R1,229	1,611	110	614	R68	R3,632
	February.....	142	163	317	120	R1,211	1,595	106	606	R68	3,586
	March.....	138	156	303	120	1,187	1,584	109	592	R66	R3,537
	April.....	139	R158	R311	116	R1,184	1,611	R110	R584	R73	R3,562
	May.....	145	164	320	117	1,199	1,643	108	591	68	3,609

^{1/}See Explanatory Note 2 in Appendix B.

^{2/}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.

^{3/}"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.

^{4/}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.

^{5/}"Other" consists of Australia, New Zealand, and the U.S. Territories.

R=Revised data.

Note: See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.6 Commercial and Government-Owned Oil Stocks^{1/} in OECD^{2/} Countries (End of March 1993)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	109	0	109
United States ^{3/}	1,006	578	1,584
United States Territories.....	22	0	22
Japan.....	347	245	592
Australia/New Zealand.....	44	NA	44
Austria.....	22	0	22
Belgium/Luxembourg.....	34	0	34
Denmark.....	26	0	26
Finland.....	23	0	23
France.....	138	0	138
Germany ^{4/}	250	53	303
Greece.....	36	NA	36
Ireland.....	6	2	8
Italy.....	150	6	156
Netherlands.....	93	0	93
Norway.....	35	0	35
Portugal.....	23	0	23
Spain.....	83	0	83
Sweden.....	25	2	27
Switzerland.....	36	0	36
Turkey.....	26	0	26
United Kingdom.....	120	0	120
OECD Europe.....	1,124	63	1,187
Total OECD.....	2,651	886	3,537

^{1/}See Explanatory Note 2 in Appendix B.

^{2/}OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

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

^{4/}Data are for the unified Germany, i.e., the former East Germany and West Germany.

NA=Not Available.

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

Sources: See end of Section 1.

**Table 1.7. OECD Oil Demand 1/
(Thousand Barrels per Day)**

		France	Italy	Germany2/	United Kingdom	OECD Europe3/	United States4/	Canada	Japan	Other5/	Total OECD
1980	Average....	2,256	1,934	2,707	1,725	13,634	17,056	1,873	4,960	1,072	38,595
1981	Average....	2,023	1,874	2,449	1,590	12,515	16,058	1,768	4,848	1,080	36,269
1982	Average....	1,880	1,781	2,372	1,590	12,053	15,296	1,578	4,582	1,008	34,517
1983	Average....	1,835	1,750	2,324	1,531	11,765	15,231	1,448	4,395	954	33,793
1984	Average....	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500
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	1,052	38,063
1992	January....	2,221	2,237	2,968	1,832	14,467	17,012	1,629	5,683	1,014	39,805
	February...	2,115	2,148	2,814	1,818	14,056	16,893	1,625	6,248	1,045	39,867
	March.....	1,947	1,885	2,809	1,818	13,690	16,825	1,597	5,780	1,054	38,946
	April.....	1,980	1,891	2,893	1,858	13,656	16,764	R1,572	5,115	1,042	R38,148
	May.....	1,620	1,670	2,588	1,694	12,333	16,485	R1,581	4,750	1,003	R36,152
	June.....	1,805	1,801	2,699	1,725	13,025	16,978	R1,610	4,851	1,086	R37,549
	July.....	1,923	1,900	3,029	1,804	13,660	17,143	1,642	5,024	1,027	38,496
	August.....	1,727	1,655	2,829	1,699	12,902	16,929	1,676	4,863	946	37,316
	September..	1,950	2,003	3,072	1,870	14,222	16,876	1,655	5,043	1,046	38,841
	October....	1,917	1,930	2,752	1,825	13,455	17,448	1,705	5,213	1,014	38,836
	November...	1,864	2,053	2,823	1,852	13,786	17,091	1,714	5,483	1,049	39,122
	December...	1,976	2,076	2,841	1,839	13,970	17,928	1,670	6,129	1,103	40,801
	Average....	1,920	1,936	2,843	1,802	13,598	17,033	1,640	5,346	1,035	38,653
1993	January....	1,950	1,859	2,491	1,730	R12,838	16,502	1,586	5,790	R943	R37,659
	February...	2,138	2,106	2,900	1,882	R14,225	17,577	1,726	6,129	R1,102	R40,759
	March.....	2,010	2,005	2,923	1,890	R14,012	17,752	1,691	6,094	R1,144	R40,693
	April.....	1,929	R1,808	R2,812	1,725	R13,296	16,796	R1,613	R5,385	R1,096	R38,186
	May.....	1,695	1,705	2,584	1,670	12,241	16,503	1,621	4,731	1,109	36,204

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

2/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.

3/"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.

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

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

R=Revised data.

Note: 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 1992 and Petroleum Supply Monthly, August 1993.

Other Countries: Annual data — EIA, International Energy Annual, various issues. Monthly data — 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 1992 and Petroleum Supply Monthly, August 1993.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.
o OECD, Monthly Oil Statistics data base, 1980-1993.

Oil Demand

United States: EIA, Petroleum Supply Annual 1992 and Petroleum Supply Monthly, August 1993.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues. o OECD, Monthly Oil Statistics data base, 1980-1993.

2. International Oil Balance Data

Table 2.1 World Oil Balance
(Million Barrels Per Day)

	1989			1990			1991			1992			1993			
	Annual			Annual			Annual			Annual			Annual			
	Average	First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
Supply^{1/}																
OECD																
United States ^{2/}	9.88	9.68	9.88	9.90	9.78	9.63	9.78	9.85	9.77	9.78	9.77	9.85	9.53	NA	NA	NA
Other OECD.....	7.11	7.35	7.56	7.95	7.59	7.83	7.87	7.84	7.87	8.13	7.87	7.84	7.87	NA	NA	NA
Total OECD.....	16.99	17.03	17.44	17.84	17.37	17.46	17.90	17.69	17.64	17.90	17.64	17.69	17.40	NA	NA	NA
Non-OECD																
OPEC.....	23.53	24.81	25.11	26.14	25.68	26.36	27.20	27.39	26.35	27.20	26.35	27.39	26.61	NA	NA	NA
Former USSR.....	12.14	11.40	10.41	9.37	9.16	8.69	8.44	8.28	8.91	8.44	8.91	8.28	8.42	NA	NA	NA
Other Non-OECD.....	13.19	13.48	13.79	13.99	14.04	14.13	14.10	14.16	14.06	14.10	14.06	14.16	14.25	NA	NA	NA
Total Non-OECD.....	49.87	49.69	49.32	49.50	48.88	49.18	49.74	49.83	49.32	49.74	49.32	49.83	49.27	NA	NA	NA
Total World Supply.....	65.85	66.72	66.76	67.34	66.25	66.64	67.64	67.52	66.97	67.64	66.97	67.52	66.68	NA	NA	NA
Demand^{3/}																
OECD																
United States ^{2/}	17.33	16.99	16.71	16.91	16.74	16.98	17.49	17.27	17.03	17.49	17.03	17.27	NA	NA	NA	NA
Other OECD.....	20.24	20.49	21.35	22.62	20.53	21.23	22.10	22.40	21.62	22.10	21.62	22.40	NA	NA	NA	NA
Total OECD.....	37.57	37.47	38.06	39.53	37.27	38.21	39.59	39.67	38.65	39.59	38.65	39.67	NA	NA	NA	NA
Non-OECD																
China.....	2.38	2.30	2.46	2.58	2.58	2.68	2.68	2.72	2.63	2.68	2.63	2.72	NA	NA	NA	NA
Former USSR.....	8.74	8.39	8.20	7.97	6.96	6.26	6.22	6.33	6.85	6.22	6.85	6.33	NA	NA	NA	NA
Other Non-OECD.....	17.34	17.99	17.99	18.90	18.60	18.21	19.30	19.59	18.75	19.30	18.75	19.59	NA	NA	NA	NA
Total Non-OECD.....	28.46	28.68	28.65	29.45	28.14	27.15	28.20	28.64	28.23	28.20	28.23	28.64	NA	NA	NA	NA
Total World Demand.....	66.03	66.15	66.71	68.99	65.42	65.36	67.79	68.31	66.89	67.79	66.89	68.31	NA	NA	NA	NA
Stock Draws / Discrepancy																
Net Reported Stock Draws^{4/}																
U. S. Commercial.....	.10	-.09	-.04	.51	-.34	-.35	.52	.12	.08	.52	.08	.12	NA	NA	NA	NA
U. S. Strategic.....	-.05	-.02	.05	.00	-.01	-.01	-.04	-.03	-.02	-.04	-.02	-.03	NA	NA	NA	NA
Other OECD.....	-.14	-.14	-.07	.63	-.33	-.29	-.26	.46	-.06	-.26	-.06	.46	NA	NA	NA	NA
For Export & Afloat.....	.00	-.05	-.07	.22	-.05	-.60	.00	.06	-.11	.00	-.11	.06	NA	NA	NA	NA
Comm. Floating Storage.....	.05	-.18	.15	.11	-.05	.00	.00	.00	.01	.00	.01	.00	NA	NA	NA	NA
Total Reported Draws.....	-.04	-.49	.02	1.47	-.79	-1.25	.22	.60	-.09	.22	-.09	.60	NA	NA	NA	NA
Other Stock Draws and																
Statistical Discrepancy ^{5/}	.22	-.08	-.08	.18	-.05	-.02	-.07	.19	.01	-.07	.01	.19	NA	NA	NA	NA

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

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

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

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

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

NA=Not Available.

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

Sources: See end of Section 2.

Table 2.2 World Oil Supply^{1/}
(Million Barrels Per Day)

	1989	1990	1991	1992					1993				
	Annual			Quarter				Annual	Quarter				Annual
	Average			First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
OECD													
United States ^{2/}	9.88	9.68	9.88	9.90	9.78	9.63	9.78	9.77	9.85	9.53	NA	NA	NA
Canada.....	2.03	2.02	2.04	2.10	2.01	2.12	2.10	2.08	2.08	2.14	NA	NA	NA
North Sea.....	3.73	3.85	4.04	4.38	4.10	4.24	4.58	4.32	4.34	4.30	NA	NA	NA
Other OECD.....	1.35	1.47	1.48	1.47	1.47	1.48	1.47	1.47	1.42	1.42	NA	NA	NA
Total OECD.....	16.99	17.03	17.44	17.84	17.37	17.46	17.90	17.64	17.69	17.40	NA	NA	NA
Non-OECD													
OPEC													
Crude													
Algeria.....	1.09	1.17	1.23	1.23	1.22	1.21	1.21	1.22	1.21	1.20	NA	NA	NA
Cabon.....	.21	.27	.29	.28	.30	.30	.30	.30	.30	.30	NA	NA	NA
Indonesia.....	1.41	1.46	1.61	1.60	1.56	1.55	1.55	1.57	1.53	1.50	NA	NA	NA
Iran.....	2.81	3.09	3.33	3.45	3.25	3.40	3.62	3.43	3.70	3.60	NA	NA	NA
Iraq.....	2.90	2.04	.30	.45	.45	.45	.45	.45	.50	.50	NA	NA	NA
Kuwait.....	1.78	1.17	.19	.64	.93	1.14	1.40	1.03	1.73	1.71	NA	NA	NA
Libya.....	1.15	1.38	1.48	1.52	1.47	1.45	1.50	1.48	1.42	1.35	NA	NA	NA
Nigeria.....	1.72	1.81	1.89	1.93	1.92	2.00	2.07	1.98	2.10	2.02	NA	NA	NA
Qatar.....	.38	.41	.39	.35	.38	.42	.44	.40	.43	.41	NA	NA	NA
Saudi Arabia..	5.06	6.41	8.18	8.56	8.26	8.40	8.53	8.44	8.41	8.05	NA	NA	NA
United Arab													
Emirates....	1.86	2.12	2.45	2.39	2.29	2.32	2.31	2.33	2.29	2.24	NA	NA	NA
Venezuela.....	1.91	2.14	2.37	2.31	2.26	2.34	2.43	2.33	2.38	2.34	NA	NA	NA
Natural Gas													
Plant Liquids	1.19	1.28	1.34	1.37	1.33	1.34	1.34	1.34	1.35	1.34	NA	NA	NA
Processing Gain..	.07	.06	.05	.06	.06	.06	.06	.06	.06	.06	NA	NA	NA
Total OPEC.....	23.53	24.81	25.11	26.14	25.68	26.36	27.20	26.35	27.39	26.61	NA	NA	NA
Former USSR.....	12.14	11.40	10.41	9.37	9.16	8.69	8.44	8.91	8.28	8.42	NA	NA	NA
China.....	2.76	2.77	2.80	2.84	2.84	2.83	2.83	2.84	2.88	2.93	NA	NA	NA
Mexico.....	2.93	3.01	3.16	3.16	3.15	3.14	3.12	3.14	3.10	3.15	NA	NA	NA
Other Non-OECD....	7.51	7.70	7.83	7.99	8.05	8.16	8.14	8.08	8.18	8.16	NA	NA	NA
Total Non-OECD....	48.87	49.69	49.32	49.50	48.88	49.18	49.74	49.32	49.83	49.27	NA	NA	NA
Total Supply.....	65.85	66.72	66.76	67.34	66.25	66.64	67.64	66.97	67.52	66.68	NA	NA	NA

^{1/}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).

or OPEC, natural gas plant liquids production and processing gain are shown as separate lines.

^{2/}U.S. geographic coverage is the 50 States and the District of Columbia.

NA-Not Available.

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

Sources: See end of Section 2.

Table 2.3 Oil Stocks^{1/}, End of Period
(Million Barrels)

	1989	1990	1991	1992				1993			
	Year End			Quarter				Quarter			
				First	Second	Third	Fourth	First	Second	Third	Fourth
OECD											
United States ^{2/}											
Commercial.....	1,001	1,035	1,048	1,002	1,033	1,065	1,017	1,006	NA	NA	NA
Strategic.....	580	586	569	569	570	571	575	578	NA	NA	NA
U. S. Territories.....	23	28	24	23	25	24	24	22	NA	NA	NA
Canada.....	114	121	119	111	112	110	107	109	NA	NA	NA
Japan.....	577	590	607	586	583	608	603	592	NA	NA	NA
OECD Europe											
France.....	138	140	153	142	148	148	145	138	NA	NA	NA
Germany.....	271	265	288	303	307	299	310	303	NA	NA	NA
Italy.....	164	172	160	159	157	155	174	156	NA	NA	NA
United Kingdom.....	118	112	119	115	114	112	113	120	NA	NA	NA
Other OECD Europe.....	441	475	461	433	456	469	474	470	NA	NA	NA
Total.....	1,133	1,163	1,182	1,152	1,180	1,184	1,217	1,187	NA	NA	NA
Australia & New Zealand	48	45	41	43	44	45	43	44	NA	NA	NA
Total OECD.....	3,476	3,568	3,589	3,485	3,547	3,607	3,587	3,537	NA	NA	NA
Stocks for Export											
and Afloat ^{3/}	920	940	965	945	950	1,005	1,005	1,000	NA	NA	NA
Commercial Floating ^{4/}	65	130	75	65	70	70	70	70	NA	NA	NA

^{1/}See Note 2 in Appendix B.

^{2/}U.S. stock data include Alaskan crude oil in transit by water. These data were provisionally reported in stocks for export and afloft. U.S. geographic coverage is the 50 States and the District of Columbia.

^{3/}Stocks held at export terminals of major crude oil producing countries and commercial oil afloft based on quarterly analysis of world seaborne movements.

^{4/}Stocks stored by industry in tankers moored offshore. Excludes strategic storage.
NA=Not Available.

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

Sources: See end of Section 2.

Table 2.4 World Oil Demand/
(Billion Barrels Per Day)

	1989		1990		1991		1992		1993	
	Annual	Quarter	Annual	Quarter	Annual	Quarter	Annual	Quarter	Annual	Quarter
Average										
First Second Third Fourth Average First Second Third Fourth Average										
Annual										

OECD	17.33	16.99	16.71	16.91	16.74	16.98	17.49	17.03	17.27	NA
United States ^{2/}	17.33	16.99	16.71	16.91	16.74	16.98	17.49	17.03	17.27	NA
U. S. Territories	.21	.21	.24	.23	.22	.20	.21	.21	.22	NA
Canada	1.73	1.69	1.62	1.62	1.59	1.66	1.70	1.64	1.67	NA
Japan	4.98	5.14	5.28	5.90	4.90	4.98	5.61	5.35	6.00	NA
OECD Europe ^{3/}	1.86	1.87	1.94	2.09	1.80	1.87	1.92	1.92	2.03	NA
France	1.86	1.87	1.94	2.09	1.80	1.87	1.92	1.92	2.03	NA
Italy	1.93	1.86	1.80	2.09	1.79	1.85	2.02	1.94	1.99	NA
United Kingdom	1.74	1.75	1.80	1.82	1.76	1.79	1.84	1.80	1.83	NA
Germany ^{4/}	2.28	2.38	2.83	2.86	2.73	2.98	2.80	2.84	2.77	NA
Other OECD Europe	4.73	4.81	4.96	5.20	4.93	5.11	5.15	5.10	5.06	NA
Total OECD Europe	12.53	12.63	13.39	14.07	13.00	13.59	13.74	13.60	13.67	NA
Australia & New Zealand	.79	.82	.81	.81	.83	.84	.82	.84	.84	NA
Total OECD	37.57	37.47	38.06	39.53	37.27	38.21	39.59	38.65	39.67	NA
Non-OECD	2.38	2.30	2.46	2.58	2.58	2.68	2.68	2.63	2.72	NA
China	8.74	8.39	8.20	7.97	6.96	6.26	6.22	6.85	6.33	NA
Former USSR	8.74	8.39	8.20	7.97	6.96	6.26	6.22	6.85	6.33	NA
Other Non-OECD	17.34	17.99	17.99	18.90	18.60	18.21	19.30	18.75	19.59	NA
Total Non-OECD	28.46	28.68	28.65	29.45	28.14	27.15	28.20	28.23	28.64	NA
Total World Demand	66.03	66.15	66.71	68.99	65.42	65.36	67.79	66.89	68.31	NA

^{1/}Includes bunkers and refinery fuel. The term Demand is used interchangeably with the terms Consumption and Petroleum Products supplied. See Appendix C for definition.

^{2/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{3/}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.

^{4/}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.

NA=Not available.

Note: 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 1992 and Petroleum Supply Monthly, July 1993.

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 1992 and Petroleum Supply Monthly, July 1993.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.

o OECD, Monthly Oil Statistics data base, 1980-1993.
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 1992 and Petroleum Supply Monthly, July 1993.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues. o OECD, Monthly Oil Statistics data base, 1980-1993.

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 OECD1/ Countries, 1992 2/
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	Total	OECD Europe					OECD Outside Europe				
		Total	United Kingdom	France	Germany3/	Italy	Other Europe4/	United States5/	Canada	Japan	Other6/
Total Net Imports..	20 642	8 419	-0 219	1 747	2 739	1 840	2 312	6 938	-0 540	5 388	0 437
Imports from OPEC7/	15 797	6 844	.390	.979	.964	1 344	3 167	4 012	.207	4 205	.529
Imports from Persian Gulf8/											
Total.....	9 454	3 658	.220	.628	.215	.573	2 021	1 774	.091	3 584	.347
Bahrain.....	.032	.003	.001	.001	-	.001	.000	-.002	-	.029	.002
Iran.....	1 488	1 111	.032	.149	.021	.239	.670	.000	.013	.362	.002
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.414	.142	.027	.029	.009	.007	.070	.051	-	.220	.001
U.A.E.....	1 637	.202	.021	.033	.002	.013	.133	.004	.000	1 254	.177
Qatar.....	.306	.006	.001	.002	.001	.001	.002	.001	-	.299	.000
Saudi Arabia.....	5 576	2 193	.139	.414	.182	.312	1 146	1 720	.078	1 420	.166
Imports from OPEC-Africa											
Total.....	4 029	2 909	.123	.340	.620	.758	1 068	1 000	.062	.015	.042
Algeria.....	.976	.770	.056	.100	.183	.140	.291	.196	.009	.007	-.005
Gabon.....	.243	.095	.000	.066	.006	.000	.022	.124	.000	.009	.016
Libya.....	1 360	1 360	.044	.086	.252	.584	.395	.000	.000	-	.000
Nigeria.....	1 450	.684	.022	.088	.179	.034	.360	.680	.054	.000	.032
Imports from OPEC-South America											
Total.....	1 560	.271	.049	.011	.128	.005	.078	1 161	.054	.010	.064
Venezuela.....	1 560	.271	.049	.011	.128	.005	.078	1 161	.054	.010	.064
Imports from OPEC-Far East											
Total.....	.786	.009	.000	.001	.000	.009	.000	.075	.000	.624	.078
Indonesia.....	.786	.009	.000	.001	.000	.009	.000	.075	.000	.624	.078

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ Preliminary data.

3/ Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

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

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

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

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

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

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.2 Net Oil Imports into OECD1/ Countries, (1st Quarter 1993)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	Total	OECD Europe					OECD Outside Europe				
		Total	United Kingdom	France	Germany2/	Italy	Other Europe3/	United States4/	Canada	Japan	Other5/
Total Net Imports	21 393	8 108	-0 159	1 763	2 566	1 657	2 281	7 178	-0 516	5 999	0 624
Imports from OPEC6/	16 039	6 228	401	1 075	888	1 248	2 616	4 310	266	4 640	595
Imports from Persian Gulf7/											
Total	9 632	3 354	234	768	185	516	1 651	1 828	090	3 998	361
Bahrain	041	000	000	000	-	000	000	000	-	038	003
Iran	1 398	966	042	188	034	206	496	000	008	423	000
Iraq	000	000	000	000	000	000	000	000	000	000	000
Kuwait	807	197	020	043	000	015	099	237	-	368	006
U.A.E.	1 692	160	012	062	001	010	074	-006	000	1 391	146
Qatar	373	001	000	001	000	000	000	002	-	366	004
Saudi Arabia	5 322	2 029	159	474	131	285	981	1 596	083	1 412	202
Imports from OPEC-Africa											
Total	3 994	2 652	126	303	601	711	912	1 152	124	043	022
Algeria	912	658	064	073	188	125	208	196	051	000	007
Gabon	226	074	000	063	000	000	011	102	000	043	007
Libya	1 240	1 240	046	078	258	558	300	000	000	-	000
Nigeria	1 616	680	016	089	156	028	393	854	073	000	009
Imports from OPEC-South America											
Total	1 677	204	042	005	102	003	053	1 289	051	015	118
Venezuela	1 677	204	042	005	102	003	053	1 289	051	015	118
Imports from OPEC-Far East											
Total	778	018	000	000	000	018	000	041	000	622	097
Indonesia	778	018	000	000	000	018	000	041	000	622	097

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.
2/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

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

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

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

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

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

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.3 Net Oil Imports into OECD^{1/} Countries, (4th Quarter 1992)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany ^{2/}	Italy	Other Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}
Total Net Imports..	20.894	8.380	-0.290	1.762	2.708	1.963	2.238	7.029	-0.550	5.608	0.427
Imports from OPEC ^{6/}	16.048	6.863	.380	.949	.977	1.400	3.161	4.172	.243	4.316	.450
Imports from Persian Gulf ^{7/}											
Total.....	9.628	3.699	.268	.659	.214	.546	2.011	1.818	.119	3.673	.319
Bahrain.....	.026	.095	.000	.005	-	.000	.000	.000	-	.021	.000
Iran.....	1.460	1.107	.054	.123	.027	.237	.667	.000	.017	.331	.004
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.731	.256	.057	.027	.025	.009	.138	.140	-	.336	.000
U.A.E.....	1.624	.165	.018	.041	.001	.000	.106	.013	.000	1.284	.162
Qatar.....	.349	.014	.000	.006	.000	.003	.005	.000	-	.336	.000
Saudi Arabia.....	5.437	2.152	.139	.457	.162	.297	1.096	1.665	.102	1.365	.153
Imports from OPEC-Africa											
Total.....	4.001	2.913	.071	.289	.633	.833	1.087	.984	.085	.014	.005
Algeria.....	.951	.766	.033	.082	.212	.160	.280	.187	.010	.000	-.011
Gabon.....	.234	.069	.000	.055	.004	.000	.010	.134	.000	.014	.018
Libya.....	1.373	1.373	.038	.060	.262	.612	.401	.000	.000	-	.000
Nigeria.....	1.443	.705	.000	.092	.156	.061	.396	.664	.075	.000	-.002
Imports from OPEC-South America											
Total.....	1.694	.244	.042	.007	.129	.004	.062	1.330	.038	.011	.072
Venezuela.....	1.694	.244	.042	.007	.129	.004	.062	1.330	.038	.011	.072
Imports from OPEC-Far East											
Total.....	.752	.018	.000	.000	.000	.018	.000	.040	.000	.640	.054
Indonesia.....	.752	.018	.000	.000	.000	.018	.000	.040	.000	.640	.054

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

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

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

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

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

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

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

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.4 OECD1/ Total Net Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992						1993					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total.....	20.106	21.182	21.508	21.093	20.798	20.866	21.017	21.556	21.115	21.481	21.455	20.279
United States2/....	6.989	7.550	7.470	7.330	7.603	6.877	6.602	7.011	7.077	7.437	7.541	7.429
Canada.....	-.293	-.507	-.479	-.503	-.612	-.481	-.554	-.506	-.601	-.448	-.553	-.564
OECD Europe3/.....	8.292	8.247	8.683	8.306	8.115	8.445	8.583	8.115	8.093	8.115	8.141	7.790
Main European Importers												
France.....	1.656	1.584	1.680	1.724	1.814	1.790	1.684	1.832	1.758	1.699	1.960	1.789
Germany4/.....	2.488	2.636	2.837	2.796	2.685	2.765	2.675	2.576	2.594	2.531	2.625	2.618
Italy.....	1.633	1.753	1.642	1.769	1.748	2.112	2.033	1.628	1.713	1.635	1.734	1.808
Spain.....	.929	.924	1.125	.987	1.011	.853	.843	.952	1.201	1.067	1.112	1.058
Netherlands.....	1.041	.739	.774	.726	.688	.521	.873	.537	.580	.665	.802	.493
European Net Exporters												
Norway.....	-2.042	-1.964	-1.920	-2.231	-2.118	-2.160	-2.147	-2.012	-2.187	-2.155	-2.419	-2.310
United Kingdom....	-.060	.050	-.346	-.327	-.277	-.257	-.336	-.094	-.354	-.046	-.314	-.122
Smaller European Importers												
Austria.....	.219	.186	.223	.190	.224	.214	.208	.193	.224	.209	.215	.190
Belgium.....	.427	.426	.549	.531	.465	.565	.546	.617	.604	.468	.461	.464
Denmark.....	.057	.001	.087	.057	-.028	-.001	.104	-.038	.021	.005	.035	.013
Ireland.....	.092	.087	.096	.108	.076	.116	.119	.108	.101	.109	.091	.083
Finland.....	.183	.239	.191	.121	.265	.259	.271	.058	.258	.160	.107	.216
Greece.....	.277	.273	.293	.412	.330	.322	.274	.413	.248	.472	.296	.201
Iceland.....	.031	.001	.015	.003	.008	.004	.026	.000	.033	.000	.025	.001
Luxembourg.....	.038	.037	.036	.041	.042	.040	.044	.039	.032	.049	.044	.036
Portugal.....	.274	.277	.297	.391	.224	.245	.277	.292	.292	.292	.253	.250
Sweden.....	.355	.322	.333	.298	.255	.368	.383	.349	.217	.294	.505	.291
Switzerland.....	.263	.290	.306	.291	.272	.251	.246	.242	.263	.257	.206	.225
Turkey.....	.432	.385	.464	.420	.432	.437	.460	.423	.497	.406	.402	.485
Japan.....	4.709	5.217	5.312	5.437	5.346	5.541	5.935	6.376	5.846	5.760	5.502	5.066
Other OECD.....	.409	.675	.522	.523	.346	.484	.451	.561	.700	.618	.823	.558

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

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

3/ "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.

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

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.5 OECD1/ Imports from OPEC2/ (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1993											
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total.....	15.225	15.940	15.699	16.351	16.032	15.938	16.171	16.862	16.267	15.010	15.806	14.983
United States3/.....	3.909	4.223	4.031	4.157	4.457	4.000	4.055	4.181	4.482	4.284	4.530	4.223
Canada.....	.191	.221	.203	.268	.185	.277	.267	.267	.241	.287	.219	.433
OECD Europe4/.....	6.724	6.831	6.816	7.080	6.758	7.005	6.845	6.768	6.325	5.545	5.811	5.827
Main European Importers												
France.....	.944	.910	.880	.950	.985	.984	.881	1.268	.966	.980	1.014	1.033
Germany5/.....	.934	.849	1.058	1.109	1.023	1.008	.900	.876	.870	.916	.921	.976
Italy.....	1.401	1.255	1.162	1.193	1.198	1.454	1.551	1.293	1.281	1.172	1.264	1.290
Spain.....	.478	.574	.649	.666	.610	.654	.701	.595	.814	.592	.672	.529
Netherlands.....	.907	1.081	.892	1.020	1.002	.793	1.062	.601	.450	.000	.000	.000
European Net Exporters												
Norway.....	.011	.000	.011	.000	.000	.000	.005	.000	.018	.000	.000	.000
United Kingdom.....	.454	.497	.492	.316	.358	.467	.319	.389	.415	.400	.424	.432
Smaller European Importers												
Austria.....	.102	.101	.125	.089	.156	.116	.121	.143	.162	.112	.117	.052
Belgium.....	.377	.364	.338	.387	.393	.414	.301	.409	.327	.310	.330	.407
Denmark.....	.000	.000	.000	.004	.000	.000	.000	.000	.027	.000	.000	.000
Ireland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.071	.053	.088	.054	.025	.000	.000	.000	.000	.000	.000	.000
Greece.....	.368	.318	.349	.402	.346	.290	.236	.326	.217	.413	.276	.268
Portugal.....	.080	.196	.155	.266	.131	.143	.218	.215	.121	.154	.145	.138
Sweden.....	.113	.174	.089	.185	.061	.136	.056	.197	.145	.092	.178	.099
Switzerland.....	.024	.035	.055	.040	.055	.072	.074	.053	.071	.041	.050	.072
Turkey.....	.458	.424	.473	.399	.416	.474	.419	.403	.501	.362	.419	.477
Japan.....	3.795	4.031	4.110	4.264	4.258	4.105	4.577	5.035	4.592	4.290	4.368	3.875
Other OECD.....	.605	.634	.539	.583	.374	.550	.427	.611	.567	.605	.878	.626

1/ OECD-Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

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

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

4/ "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.

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

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.6 OECD 1/Imports from Persian Gulf^{2/} (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992						1993					
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total	9.001	9.196	9.305	9.583	9.386	9.455	10.037	10.363	9.516	9.005	9.591	9.092
United States^{3/}	1.740	1.772	1.662	1.661	1.730	1.742	1.978	1.825	1.876	1.789	1.865	1.798
Canada	.083	.074	.115	.123	.071	.120	.168	.101	.007	.155	.084	.182
OECD Europe^{4/}	3.661	3.575	3.646	3.757	3.672	3.690	3.734	3.736	3.302	3.018	3.364	3.498
Main European Importers												
France.....	.551	.610	.602	.564	.636	.687	.655	.929	.618	.742	.806	.840
Germany ^{5/}	.257	.245	.235	.214	.253	.203	.186	.185	.170	.199	.239	.294
Italy.....	.602	.497	.520	.552	.513	.551	.574	.513	.516	.519	.589	.658
Spain.....	.202	.243	.228	.278	.235	.200	.303	.222	.286	.227	.234	.200
Netherlands.....	.652	.557	.642	.744	.703	.507	.873	.442	.358	.000	.000	.000
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.005	.000	.000	.000	.000	.000
United Kingdom.....	.223	.245	.268	.125	.239	.334	.233	.263	.217	.219	.283	.278
Smaller European Importers												
Austria.....	.015	.019	.059	.000	.048	.031	.025	.060	.038	.050	.025	.021
Belgium.....	.317	.290	.276	.304	.328	.356	.219	.332	.262	.271	.294	.321
Denmark.....	.000	.000	.000	.000	.300	.000	.000	.000	.027	.000	.000	.000
Finland.....	.071	.053	.029	.023	.025	.000	.000	.000	.000	.000	.000	.054
Greece.....	.303	.250	.298	.367	.282	.237	.181	.252	.169	.363	.263	.250
Portugal.....	.019	.123	.053	.113	.039	.060	.101	.049	.081	.020	.075	.051
Sweden.....	.063	.079	.025	.135	.000	.122	.012	.133	.078	.073	.122	.061
Switzerland.....	.005	.014	.005	.014	.004	.005	.000	.000	.006	.000	.014	.000
Turkey.....	.381	.348	.407	.324	.367	.396	.367	.357	.477	.334	.419	.472
Japan.....	3.173	3.411	3.520	3.625	3.614	3.536	3.863	4.346	3.997	3.652	3.796	3.236
Other OECD.....	.344	.365	.362	.416	.300	.367	.294	.356	.334	.392	.482	.378

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

2/ "Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

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

4/ "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.

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

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

	1992												1993
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	
Total Net Imports...	6.909	7.550	7.470	7.330	7.603	6.877	6.602	7.011	7.077	7.437	7.541	7.429	
Imports from OPEC ^{2/}	3.909	4.223	4.031	4.157	4.457	4.000	4.055	4.181	4.482	4.284	4.530	4.223	
Imports from													
Persian Gulf ^{3/}													
Total...	1.740	1.772	1.662	1.661	1.730	1.742	1.978	1.825	1.876	1.789	1.865	1.798	
Bahrain...	-.003	-.005	-.003	-.000	-.001	-.000	-.000	-.000	-.000	-.000	-.003	-.003	
Iraq...	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Kuwait...	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
U.A.E.	.000	.058	.066	.070	.137	.117	.164	.144	.251	.316	.262	.222	
Qatar...	-.001	-.002	.005	-.002	.002	.017	.021	-.006	.000	-.012	.000	.057	
Saudi Arabia...	.000	.008	.000	.000	.000	.000	.000	.000	.000	.006	.000	.000	
Total...	1.744	1.713	1.594	1.593	1.592	1.608	1.793	1.687	1.625	1.479	1.606	1.522	
Imports from													
OPEC-Africa													
Total...	1.012	1.222	1.184	1.123	1.180	.908	.963	.972	1.271	1.224	1.293	1.128	
Algeria...	.144	.179	.261	.184	.186	.171	.203	.153	.256	.185	.274	.228	
Congo...	.128	.143	.108	.165	.167	.114	.120	.090	.088	.126	.127	.169	
Libya...	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Nigeria...	.740	.900	.815	.774	.827	.623	.540	.729	.927	.913	.892	.731	
Imports from													
OPEC-South America													
Total...	1.045	1.163	1.090	1.315	1.492	1.334	1.163	1.377	1.286	1.204	1.293	1.222	
Venezuela...	1.045	1.163	1.090	1.315	1.492	1.334	1.163	1.377	1.286	1.204	1.293	1.222	
Imports from													
OPEC-far East													
Total...	.109	.062	.091	.057	.054	.015	.051	.007	.049	.067	.076	.072	
Indonesia...	.109	.062	.091	.057	.054	.015	.051	.007	.049	.067	.076	.072	

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

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

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

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o

Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. o 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 of Crude Oil, Natural Gas Liquids and Refined Products)

	1992												1993
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	
Total Net Imports	4.709	5.217	5.312	5.437	5.346	5.541	5.935	6.376	5.846	5.760	5.502	5.066	
Imports from OPEC/	3.795	4.031	4.110	4.264	4.258	4.105	4.577	5.035	4.592	4.290	4.368	3.875	
Imports from													
Persian Gulf/2/	3.173	3.411	3.520	3.625	3.614	3.536	3.863	4.346	3.997	3.852	3.796	3.236	
Bahrain	.042	.048	.031	.024	.000	.039	.024	.040	.044	.031	.008	.009	
Iraq	.171	.524	.341	.197	.329	.279	.305	.567	.323	.371	.408	.300	
Kuwait	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
U.A.E.	.185	.192	.301	.298	.305	.320	.362	.339	.400	.312	.336	.337	
Qatar	1.070	1.181	1.231	1.221	1.307	1.226	1.317	1.505	1.404	1.266	1.345	1.166	
Saudi Arabia	.303	.240	.365	.341	.369	.340	.298	.396	.374	.329	.331	.214	
Imports from	1.401	1.225	1.251	1.543	1.304	1.333	1.457	1.500	1.392	1.343	1.367	1.208	
OPEC-Africa													
Total	.008	.026	.005	.000	.021	.000	.020	.052	.057	.021	.061	.093	
Algeria	.008	.006	.005	.000	.000	.000	.000	.000	.000	.000	.007	.011	
Congo	.000	.020	.000	.000	.021	.000	.020	.052	.057	.021	.054	.082	
Nigeria	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Imports from													
OPEC-South America	.007	.001	.017	.002	.016	.000	.016	.013	.030	.003	.016	.000	
Total	.007	.001	.017	.002	.016	.000	.016	.013	.030	.003	.016	.000	
Venezuela													
Imports from													
OPEC-Far East	.649	.640	.599	.662	.608	.608	.703	.664	.551	.645	.503	.556	
Total	.649	.640	.599	.662	.608	.608	.703	.664	.551	.645	.503	.556	
Indonesia													

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

1982

1983

	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total Net Imports	8 282	8 247	8 683	8 396	8 115	8 445	8 583	8 115	8 093	8 115	8 141	7 790
Imports from OPEC/	6 724	6 831	6 816	7 086	6 758	7 085	6 845	6 768	6 385	5 545	5 811	5 827
Imports from												
Persian Gulf/												
Total	3 661	3 515	3 646	3 757	3 672	3 688	3 734	3 736	3 302	3 018	3 364	3 498
Bahrain	000	000	000	000	000	016	000	000	000	000	010	000
Iran	1 193	1 065	1 152	1 254	1 112	1 136	882	908	909	1 077	1 238	1 155
Iraq	000	000	000	000	000	000	000	000	000	000	000	000
Kuwait	102	275	197	121	228	244	295	303	146	137	184	279
U.A.E.	227	153	181	193	157	089	246	222	120	135	126	128
Qatar	000	000	012	011	000	000	045	082	000	000	000	000
Saudi Arabia	2 138	2 081	2 185	2 179	2 175	2 085	2 271	2 302	2 127	1 668	1 806	1 937
Imports from												
OPEC-Africa												
Total	2 756	3 011	2 886	3 006	2 876	3 025	2 841	2 845	2 798	2 327	2 241	2 092
Algeria	687	1 073	799	814	808	768	729	712	720	549	635	609
Congo	110	821	875	851	114	831	842	874	113	838	838	900
Libya	1 325	1 472	1 394	1 468	1 320	1 516	1 287	1 306	1 202	1 208	1 137	1 256
Nigeria	613	645	617	748	635	718	763	752	764	532	431	227
Imports from												
OPEC-South America												
Total	282	246	283	308	210	289	234	169	266	182	197	202
Venezuela	282	246	283	308	210	289	234	169	266	182	197	202
Imports from												
OPEC-Per West												
Total	824	888	881	818	888	818	835	818	828	817	818	834
Indonesia	824	888	881	818	888	818	835	818	828	817	818	834

1/ "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.

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

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

Notes: a Imports are on a direct basis. b Negative numbers represent net exports. c A dash (-) indicates no trade.

Zeros (000) indicate net imports of less than 1 000 million barrels per day. e 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 of Crude Oil, Natural Gas Liquids and Refined Products)

	1992												1993				
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May					
Total Net Imports	1 056	1 204	1 080	1 124	1 014	1 190	1 084	1 032	1 198	1 089	1 960	1 789					
Imports from OPEC ^{1/}	944	910	888	950	905	904	881	1 268	966	900	1 014	1 033					
Imports from Persian Gulf ^{2/}																	
Total	551	610	602	564	636	687	655	929	618	742	806	840					
Bahrain	000	000	000	000	000	016	000	000	000	000	010	000					
Iran	159	148	187	140	151	179	040	169	100	200	309	273					
Iraq	000	000	000	000	000	000	000	000	000	000	000	000					
Kuwait	223	003	046	000	000	000	001	100	000	016	000	000					
U.A.E.	332	031	000	057	036	000	004	113	004	064	000	000					
Qatar	000	000	000	005	000	000	017	002	000	000	000	000					
Saudi Arabia	337	330	309	302	449	401	432	536	403	403	342	498					
Imports from OPEC-Africa																	
Total	300	280	271	379	342	306	219	339	341	231	191	187					
Algeria	000	070	104	124	123	046	056	075	043	000	071	092					
Libya	123	123	110	000	071	031	042	064	101	028	038	000					
Nigeria	105	087	009	143	040	138	002	116	046	051	034	062					
Imports from OPEC-South America																	
Total	007	020	007	007	007	007	007	000	000	007	027	007					
Venezuela	007	020	007	007	007	007	007	000	000	007	027	007					
Imports from OPEC-Far East																	
Total	006	000	000	000	000	000	000	000	000	000	000	000					
Indonesia	006	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: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o
 Sources: (000) indicates net imports of less than 0.0005 million barrels per day. o See Section 4 for annual data.
 Sources: See end of Section 3.

Table 3.11 Germany^{1/}—Net Oil Imports (Net Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

1992

1993

	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total Net Imports	2 408	2 636	2 837	2 796	2 685	2 765	2 675	2 576	2 594	2 531	2 625	2 618
Imports from OPEC^{2/}	934	849	1 058	1 109	1 023	1 008	900	876	878	916	921	976
Imports from												
Persian Gulf^{3/}												
Total	257	245	235	214	253	283	186	185	170	199	239	294
Iraq	829	826	836	882	838	837	883	812	823	864	834	882
Kuwait	800	800	800	800	800	800	800	800	800	800	800	800
U.A.E.	800	818	800	817	824	834	818	826	819	814	832	832
Qatar	800	800	800	815	801	800	801	803	801	800	800	800
Saudi Arabia	800	800	812	882	800	800	800	800	800	800	800	800
Imports from OPEC-Africa	228	208	187	179	189	132	164	145	127	120	165	177
Total	514	492	497	780	635	680	606	604	582	616	592	612
Algeria	151	171	205	255	221	248	167	156	221	190	228	225
Congo	800	800	800	819	812	800	800	800	800	800	800	800
Libya	199	211	301	320	270	277	238	261	214	295	229	256
Nigeria	164	116	191	186	132	135	201	187	147	132	135	137
Imports from OPEC-South America												
Total	163	111	126	115	134	145	169	168	117	101	090	070
Venezuela	163	111	126	115	134	145	169	168	117	101	090	070
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/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

^{2/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{3/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: 0 Imports are on a direct basis. 0 Negative numbers represent net exports. 0 A dash (-) indicates no trade.

Zeros (000) indicate net imports of less than 0.005 million barrels per day. 0 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 of Crude Oil, Natural Gas Liquids and Refined Products)

	1992												1993											
	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May
Total Net Imports	1 633	1 753	1 642	1 769	1 748	2 112	2 033	1 628	1 713	1 635	1 734	1 808	1 633	1 753	1 642	1 769	1 748	2 112	2 033	1 628	1 713	1 635	1 734	1 808
Imports from OECD/	1 401	1 255	1 162	1 193	1 198	1 454	1 551	1 283	1 281	1 172	1 264	1 290	1 401	1 255	1 162	1 193	1 198	1 454	1 551	1 283	1 281	1 172	1 264	1 290
Imports from non-OECD/	602	497	520	552	551	574	513	516	519	509	509	509	602	497	520	552	551	574	513	516	519	509	509	509
Total	602	497	520	552	551	574	513	516	519	509	509	509	602	497	520	552	551	574	513	516	519	509	509	509
Bahrain	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
Iran	331	198	202	175	225	273	215	222	163	228	236	318	331	198	202	175	225	273	215	222	163	228	236	318
Iraq	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
Kuwait	000	000	000	019	000	027	000	008	020	019	039	019	000	000	000	019	000	027	000	008	020	019	039	019
U.A.E.	000	000	000	000	000	000	000	029	000	000	000	000	000	000	000	000	000	000	000	029	000	000	000	000
Qatar	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
Saudi Arabia	271	299	318	358	288	252	350	254	333	273	314	320	271	299	318	358	288	252	350	254	333	273	314	320
Imports from	775	758	633	623	680	884	937	754	745	636	651	598	775	758	633	623	680	884	937	754	745	636	651	598
Total	775	758	633	623	680	884	937	754	745	636	651	598	775	758	633	623	680	884	937	754	745	636	651	598
Algeria	116	124	044	119	135	150	193	152	144	082	106	067	116	124	044	119	135	150	193	152	144	082	106	067
Cabon	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
Libya	611	618	513	504	514	659	664	562	601	514	544	531	611	618	513	504	514	659	664	562	601	514	544	531
Malaysia	048	016	056	000	030	075	079	040	000	040	000	000	048	016	056	000	030	075	079	040	000	040	000	000
Imports from	006	000	009	000	005	000	006	008	000	000	006	000	006	000	009	000	005	000	006	008	000	006	000	000
Venezuela	006	000	009	000	005	000	006	008	000	000	006	000	006	000	009	000	005	000	006	008	000	006	000	000
Imports from	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
OECD-East America	006	000	009	000	005	000	006	008	000	000	006	000	006	000	009	000	005	000	006	008	000	006	000	000
OECD-West Europe	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
OECD-Far East	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000
Total	018	018	000	018	000	018	035	018	020	017	018	034	018	018	000	018	000	018	035	018	020	017	018	034
Indonesia	018	018	000	018	000	018	035	018	020	017	018	034	018	018	000	018	000	018	035	018	020	017	018	034

OECD-Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
The Persian Gulf countries are all members of OPEC, except for Bahrain.
Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Sources: See end of Section 3.

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

Table 3.13 OECD/ Imports from Russia (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

1992
June July August Sept Oct Nov Dec Jan Feb Mar April May
1993

Total	0.290	0.523	0.567	0.491	0.669	0.681	0.842	0.785	0.858	0.784	0.783	0.838
United States ^{1/}	.000	.058	.066	.070	.137	.117	.164	.144	.251	.316	.262	.222
OECD Europe ^{2/}	.102	.275	.197	.121	.228	.244	.295	.303	.146	.137	.184	.279
France	.023	.093	.066	.000	.000	.081	.108	.108	.000	.016	.000	.069
Germany ^{4/}	.000	.010	.000	.017	.024	.018	.026	.019	.019	.014	.032	.032
Italy	.000	.000	.000	.019	.000	.000	.008	.020	.009	.000	.000	.019
Spain	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Netherlands	.060	.074	.025	.060	.106	.157	.097	.092	.000	.000	.000	.000
European Net Importers	.000	.058	.055	.600	.078	.030	.030	.000	.029	.060	.063	.063
United Kingdom	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Smaller European Importers	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Austria	.000	.029	.033	.010	.000	.000	.000	.000	.005	.018	.040	.062
Belgium	.000	.000	.000	.000	.000	.000	.000	.000	.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	.028	.000	.019
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	.185	.019	.016	.010	.020	.008	.027	.000	.000	.015	.014	.014
Japan	.185	.192	.301	.298	.305	.320	.382	.339	.460	.312	.336	.337
Other OECD	.002	-.002	.003	.001	.000	.000	.000	.000	.000	.019	.001	.000

1/ OECD-Organization for Economic Cooperation and Development. See Appendix A for countries in this group.
 2/ U.S. geographic coverage is the 50 States and District of Columbia.
 3/ 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.
 4/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
 Notes: 0 Imports are on a direct basis. 0 Negative numbers represent net exports. 0 A dash (-) indicates no trade. 0
 Sources: See end of Section 3.
 Figures indicate net imports of less than 0.0005 million barrels per day. 0 See Section 4 for annual data.

Sources for Section 3 (International Oil Imports)

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1992 and Petroleum Supply Monthly, August 1993, Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.
OECD, Monthly Oil Statistics data base, 1991-1993.

4. Historical Oil Data Series 1970-1992

Table 4.1 World Crude Oil Production (Including Lease Condensate)
(Thousand Barrels per Day)

	Algeria	Iraq	Kuwait ^{1/}	Libya	Qatar	Saudi Arabia ^{2/}	United Arab Emirates	Arab Members of OPEC ^{2/}	Indo-nesia	Iran
1970 Average....	1,029	1,549	2,990	3,318	362	3,799	780	13,827	854	3,829
1971 Average....	785	1,694	3,197	2,761	431	4,769	1,060	14,697	892	4,540
1972 Average....	1,062	1,466	3,283	2,239	482	6,016	1,203	15,751	1,081	5,023
1973 Average....	1,097	2,018	3,020	2,175	570	7,596	1,533	18,009	1,339	5,861
1974 Average....	1,009	1,971	2,546	1,521	518	8,480	1,679	17,724	1,375	6,022
1975 Average....	983	2,262	2,084	1,480	438	7,075	1,664	15,985	1,307	5,350
1976 Average....	1,075	2,415	2,145	1,933	497	8,577	1,936	18,579	1,504	5,883
1977 Average....	1,152	2,348	1,969	2,063	445	9,245	1,999	19,221	1,686	5,663
1978 Average....	1,231	2,563	2,131	1,983	487	8,301	1,831	18,525	1,635	5,242
1979 Average....	1,224	3,477	2,500	2,092	508	9,532	1,831	21,163	1,591	3,168
1980 Average....	1,106	2,514	1,656	1,787	472	9,900	1,709	19,144	1,577	1,662
1981 Average....	1,002	1,000	1,125	1,140	405	9,815	1,474	15,961	1,605	1,380
1982 Average....	987	1,012	823	1,150	330	6,483	1,250	12,035	1,339	2,214
1983 Average....	968	1,005	1,064	1,105	295	5,086	1,149	10,672	1,343	2,440
1984 Average....	1,014	1,209	1,157	1,087	394	4,663	1,146	10,670	1,412	2,174
1985 Average....	1,037	1,433	1,022	1,059	301	3,388	1,193	9,434	1,325	2,250
1986 Average....	945	1,690	1,419	1,034	308	4,870	1,330	11,596	1,390	2,035
1987 Average....	1,048	2,079	1,585	972	293	4,265	1,541	11,783	1,343	2,298
1988 Average....	1,040	2,685	1,492	1,175	346	5,086	1,565	13,389	1,342	2,240
1989 Average....	1,095	2,897	1,783	1,150	380	5,064	1,860	14,229	1,409	2,810
1990 Average....	1,175	2,040	1,175	1,375	406	6,410	2,117	14,698	1,462	3,088
1991 Average....	1,230	298	187	1,483	390	8,181	2,447	14,216	1,613	3,334
1992 Average P....	1,217	450	1,029	1,483	396	8,438	2,325	15,338	1,566	3,429

^{1/}Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1970 through 1989.

^{2/}The Arab members of the Organization of Petroleum Exporting Countries (OPEC) are Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia, and the United Arab Emirates.

Table 4.1 World Crude Oil Production (Including Lease Condensate) (Continued)
(Thousand Barrels per Day)

	Nigeria	Vene- zuela	Total OPEC ^{3/}	Canada	Mexico	United Kingdom	United States ^{4/}	China	Former USSR	Other ^{5/}	World
1970 Average....	1,083	3,708	23,410	1,263	487	2	9,637	600	6,985	3,502	45,886
1971 Average....	1,531	3,549	25,324	1,348	486	2	9,463	780	7,475	3,640	48,518
1972 Average....	1,816	3,220	27,016	1,532	505	2	9,441	900	7,890	3,852	51,138
1973 Average....	2,054	3,366	30,779	1,798	465	2	9,208	1,090	8,324	4,013	55,679
1974 Average....	2,255	2,976	30,552	1,551	571	2	8,774	1,315	8,912	4,039	55,716
1975 Average....	1,783	2,346	26,994	1,430	705	12	8,375	1,490	9,523	4,300	52,828
1976 Average....	2,067	2,294	30,549	1,314	831	245	8,132	1,670	10,060	4,543	57,344
1977 Average....	2,085	2,238	31,115	1,321	981	768	8,245	1,874	10,603	4,799	59,707
1978 Average....	1,897	2,165	29,673	1,316	1,209	1,082	8,707	2,082	11,105	4,984	60,158
1979 Average....	2,302	2,356	30,784	1,500	1,461	1,568	8,552	2,122	11,384	5,303	62,674
1980 Average....	2,055	2,168	26,781	1,435	1,936	1,622	8,597	2,114	11,706	5,408	59,599
1981 Average....	1,433	2,102	22,632	1,285	2,313	1,811	8,572	2,012	11,850	5,601	56,076
1982 Average....	1,295	1,895	18,934	1,271	2,748	2,065	8,649	2,045	11,912	5,857	53,481
1983 Average....	1,241	1,801	17,654	1,356	2,689	2,291	8,688	2,120	11,972	6,485	53,255
1984 Average....	1,388	1,798	17,599	1,438	2,780	2,480	8,879	2,296	11,861	7,155	54,488
1985 Average....	1,495	1,677	16,353	1,471	2,745	2,530	8,971	2,505	11,585	7,821	53,981
1986 Average....	1,467	1,787	18,441	1,474	2,435	2,539	8,680	2,620	11,895	8,143	56,227
1987 Average....	1,341	1,752	18,672	1,535	2,548	2,406	8,349	2,690	11,985	8,416	56,601
1988 Average....	1,450	1,903	20,483	1,616	2,512	2,232	8,140	2,730	11,978	8,971	58,662
1989 Average....	1,716	1,907	22,279	1,560	2,520	1,802	7,613	2,757	11,625	9,617	59,773
1990 Average....	1,810	2,137	23,465	1,553	2,553	1,820	7,355	2,774	10,880	10,070	60,471
1991 Average....	1,892	2,375	23,725	1,548	2,676	1,797	7,417	2,805	9,887	10,367	60,221
1992 Average P..	1,982	2,334	24,947	1,598	2,668	1,825	7,171	2,838	8,388	10,820	60,255

^{3/}"Total OPEC" consists of Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

^{4/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{5/}Other is a calculated total derived from the difference between World and the sum of production in Total OPEC, Canada, Mexico, the United Kingdom, the United States, China and the Former USSR.

P=Preliminary.

Sources: See end of Section 4.

Table 4.2 World Natural Gas Plant Liquids Production
(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	495	1,595	721	900	1,006	4,344
1988 Average.....	120	381	370	499	525	1,625	808	979	1,077	4,556
1989 Average.....	130	410	384	503	515	1,546	851	1,041	1,188	4,593
1990 Average.....	130	426	428	620	520	1,559	930	1,107	1,281	4,735
1991 Average.....	140	440	457	708	525	1,659	978	1,160	1,336	4,996
1992 Average P....	140	435	446	720	525	1,697	1,001	1,183	1,344	5,060

^{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 this group.

P=Preliminary.

Sources: See end of Section 4.

Table 4.3 World Oil Supply^{1/} of Crude Oil, Natural Gas Liquids, Other Liquids, and Refinery Gain
(Thousand Barrels per Day)

	United States ^{2/}	Persian Gulf ^{3/}	OAPEC ^{4/}	OPEC ^{4/}	World
1970 Average.....	11,673	13,541	14,571	23,676	48,986
1971 Average.....	11,554	15,940	15,427	25,629	51,766
1972 Average.....	11,601	17,734	16,451	27,353	54,574
1973 Average.....	11,428	20,895	18,656	31,165	59,300
1974 Average.....	10,978	21,550	18,399	30,964	59,391
1975 Average.....	10,505	19,223	16,831	27,441	56,511
1976 Average.....	10,251	21,847	19,563	31,064	61,121
1977 Average.....	10,437	22,098	20,372	31,665	63,665
1978 Average.....	10,820	21,067	19,819	30,329	64,225
1979 Average.....	10,707	21,569	22,575	31,503	66,973
1980 Average.....	10,809	18,541	20,715	27,595	64,153
1981 Average.....	10,739	15,894	17,619	23,545	60,763
1982 Average.....	10,783	12,815	13,786	19,859	58,226
1983 Average.....	10,788	11,676	12,416	18,510	58,056
1984 Average.....	11,107	11,433	12,619	18,547	59,645
1985 Average.....	11,192	10,320	11,498	17,324	59,264
1986 Average.....	10,905	12,441	13,653	19,477	61,769
1987 Average.....	10,648	12,869	13,992	19,745	62,409
1988 Average.....	10,473	14,310	15,662	21,625	64,671
1989 Average.....	9,880	15,733	16,658	23,532	65,853
1990 Average.....	9,677	16,249	17,232	24,807	66,721
1991 Average.....	9,883	15,886	16,907	25,112	66,761
1992 Average P.....	9,768	17,142	18,106	26,347	66,968

^{1/}See Explanatory Note 1 in Appendix B.

^{2/}U.S. geographic coverage is the 50 States and the District of Columbia.

^{3/}See Appendix A for countries in this group.

^{4/}OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.
See Appendix A for countries in this group.

P=Preliminary. E=Estimated.

Sources: See end of Section 4.

Table 4.4 Oil Stocks^{1/} in OECD Countries, End of Period
(Million Barrels)

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}	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	72	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	1,182	1,617	119	607	65	3,589
1992 December P.....	145	174	310	113	1,217	1,592	107	603	67	3,587

^{1/}See Explanatory Note 2 in Appendix B.

^{2/}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.

^{3/}"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.

^{4/}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.

^{5/}"Other" consists of Australia, New Zealand, and the U.S. Territories.

P=preliminary. B=revised data.

Sources: See end of Section 4.

Table 4.5. OECD Oil Demand 1/
(Thousand Barrels per Day)

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other	OECD Excluding East Germany	East Germany	OECD Including East Germany
1970 Average	1 937	1 710	2 607	2 096	12 404	14 697	1 516	3 817	836	33 276	223	33 499
1971 Average	2 115	1 838	2 702	2 141	13 005	15 213	1 545	4 142	831	34 755	238	34 993
1972 Average	2 322	1 947	2 859	2 284	13 934	16 367	1 644	4 363	948	37 275	270	37 545
1973 Average	2 601	2 068	3 055	2 341	14 925	17 308	1 729	4 949	908	39 900	282	40 182
1974 Average	2 447	2 004	2 748	2 210	13 908	16 653	1 779	4 864	1 095	38 379	307	38 686
1975 Average	2 252	1 855	2 650	1 911	13 217	16 322	1 779	4 821	1 041	36 980	307	37 287
1976 Average	2 420	1 971	2 877	1 892	14 124	17 461	1 818	4 837	1 113	39 358	329	39 687
1977 Average	2 294	1 897	2 845	1 905	13 916	18 431	1 850	4 880	1 160	40 237	347	40 584
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
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
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
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
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
1983 Average	1 835	1 750	2 324	1 531	11 765	15 231	1 448	4 395	954	33 793	336	34 129
1984 Average	1 754	1 646	2 322	1 849	11 736	15 726	1 472	4 576	989	34 500	340	34 840
1985 Average	1 775	1 717	2 338	1 634	11 681	15 726	1 504	4 304	976	34 271	342	34 613
1986 Average	1 772	1 738	2 498	1 649	12 102	16 281	1 506	4 439	951	35 279	362	35 641
1987 Average	1 789	1 855	2 424	1 603	12 255	16 645	1 548	4 484	959	35 911	342	36 253
1988 Average	1 797	1 836	2 422	1 637	12 427	17 238	1 693	4 752	939	37 093	322	37 415
1989 Average	1 857	1 930	2 280	1 738	12 531	17 325	1 733	4 983	908	37 576	301	37 877
1990 Average	1 818	1 872	2 382	1 752	12 629	16 908	1 690	5 140	1 027	37 475	283	37 758
1991 Average	1 935	1 863	2 828	1 801	13 391	16 714	1 622	5 284	1 052	NA	NA	38 063
1992 Average	1 920	1 936	2 843	1 802	13 598	17 033	1 640	5 346	1 035	NA	NA	38 633

1/ The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition.
2/ Data through 1990 are for the former East Germany. Beginning with January 1991, the data for Germany are for the unified Germany i.e. the former East Germany and West Germany.

3/ 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.

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

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

6/ Preliminary. Not applicable.
Sources: See end of Section 4.

Table 4.6 OECD/Total Net Imports 1982-1992

Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products¹

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Average											
Total	17 760	16 532	16 962	15 878	17 670	18 008	18 706	20 082	20 456	20 372	20 642
United States ^{2/}	4 298	4 312	4 715	4 286	5 439	5 916	6 587	7 262	7 161	6 636	6 938
Canada	- 126	- 284	- 309	- 419	- 381	- 358	- 585	- 662	- 425	- 531	- 540
OECD Europe ^{3/}	8 663	7 781	7 675	7 381	7 653	7 742	7 774	7 994	8 210	8 594	8 419
Non-OECD Europe Importers											
France	1 791	1 667	1 724	1 654	1 682	1 742	1 718	1 711	1 750	1 849	1 747
Germany ^{4/}	2 116	2 087	2 115	2 166	2 388	2 281	2 279	2 112	2 202	2 664	2 739
Italy	1 751	1 579	1 618	1 603	1 642	1 718	1 590	1 716	1 788	1 771	1 840
Netherlands	557	532	532	515	632	562	646	635	677	688	713
Spain	944	954	855	802	747	803	869	942	950	951	999
European Net Exporters											
Norway	- 345	- 502	- 578	- 656	- 718	- 866	- 1 036	- 1 420	- 1 543	- 1 825	- 2 102
United Kingdom	- 680	- 906	- 829	- 1 035	- 1 067	- 1 015	- 768	- 200	- 214	- 156	- 219
Smaller European Importers											
Austria	172	167	176	174	188	194	185	191	201	212	209
Belgium	437	396	374	382	456	443	451	454	442	506	517
Denmark	192	173	165	144	150	122	187	178	163	148	132
Ireland	891	884	881	178	898	881	876	879	895	894	896
Finland	206	212	177	207	229	242	200	220	211	211	187
Greece	287	197	197	210	245	238	242	252	273	297	326
Iceland	810	810	810	811	811	813	812	811	811	812	811
Luxembourg	822	821	821	823	824	828	828	831	834	838	840
Portugal	184	183	185	166	183	199	198	246	250	259	279
Sweden	394	365	360	349	379	389	313	290	324	312	314
Switzerland	213	259	252	257	290	254	258	254	273	273	277
Turkey	282	304	302	310	342	402	397	384	425	346	413
Japan	4 046	4 384	4 531	4 308	4 392	4 418	4 688	5 035	5 239	5 284	5 388
Other OECD	478	138	150	122	138	281	250	313	270	356	437

^{1/} OECD-Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

^{2/} U.S. geographic coverage is the 50 States and District of Columbia.

^{3/} '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.

^{4/} Data through 1990 are for the former West Germany.

Notes: a Imports are on a direct basis. b Negative numbers represent net exports. c A dash (-) indicates no trade. d Figures (000) indicate net imports of less than 1 000 million barrels per day. Data prior to 1982 not available. Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

©1999 American Medical Association. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without prior written permission from the American Medical Association, 535 North Dearborn Street, Chicago, IL 60610.

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total	12 979	11 302	11 378	10 531	12 688	12 616	13 115	14 682	15 675	15 688	15 797
United States/	2 890	1 780	1 907	1 746	2 750	3 025	3 455	4 036	4 236	4 082	4 812
OECD Europe/	6 815	5 721	5 508	5 385	6 153	5 628	5 873	6 285	6 636	6 857	6 844
France	1 281	1 000	961	904	948	984	737	875	1 181	1 181	979
Germany/	1 007	848	807	787	831	1 307	761	730	776	871	944
Italy	1 400	1 216	1 180	1 205	1 362	1 307	1 182	1 261	1 375	1 380	1 344
Netherlands	535	530	504	540	771	773	875	985	862	820	938
Spain	781	615	585	553	600	564	688	688	655	702	637
European Free Association	813	887	806	805	888	882	882	883	887	814	884
United Kingdom	461	310	282	308	328	277	323	342	406	377	380
Other European Importers	888	962	881	887	888	887	882	886	897	108	115
Belgium	361	231	197	150	288	257	302	353	313	362	350
Denmark	330	830	449	835	825	853	867	868	864	806	881
Ireland	884	881	880	880	881	881	-	-	888	888	888
France	288	286	288	197	273	279	233	244	343	429	433
Portugal	135	136	116	113	130	181	118	156	166	130	161
Greece	136	879	836	851	886	882	874	864	873	185	117
Turkey	383	388	332	331	344	411	430	384	388	345	412
Japan	3 388	3 260	3 372	2 983	3 836	3 198	3 388	3 788	4 878	4 838	4 288
Other OECD	977	378	336	288	381	408	316	367	513	493	329

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

Data through 1960 are for the former West Germany.
 Notes: Imports are on a direct basis. * Excluding re-exports.
 * Japan (1961) indicates net imports of less than 1 000 million yen per day. Data prior to 1962 not available.
 Sources: The end of Section 4.
 Data for 1961 and 1962 are preliminary.

Table 4.8 OECD Imports from Persian Gulf/ 1982-1983

(Million barrels per day of crude oil, natural gas liquids and refined products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Persian Gulf	8 052	6 515	6 454	5 585	7 228	7 302	7 941	9 121	9 687	9 251	9 454
Total											
United States/	681	436	502	304	908	1 072	1 206	1 857	1 961	1 835	1 774
Canada	465	552	608	611	654	656	656	680	681	684	681
Other Europe/	4 104	3 165	2 948	2 568	3 513	3 330	3 428	3 754	3 908	3 608	3 658
France	856	587	493	476	506	459	484	647	664	708	628
Germany/	475	288	242	152	232	187	197	216	226	227	215
Italy	982	746	671	583	617	782	643	619	626	595	573
Netherlands	343	279	345	294	309	316	387	663	667	609	652
Spain	488	399	377	264	328	295	306	392	291	281	231
European free imports	889	685	606	583	686	682	-	-	888	611	608
United Kingdom	323	176	144	144	173	164	212	248	258	221	228
Other OECD	288	225	204	176	195	259	241	267	322	301	347
Japan	2 674	2 638	2 773	2 513	2 557	2 637	2 681	3 173	3 394	3 378	3 584
Turkey	233	238	268	285	288	348	411	323	387	324	349
Switzerland	828	813	812	806	808	808	807	807	807	807	807
Sweden	824	817	803	806	836	829	845	843	838	864	868
Portugal	187	897	881	876	888	888	885	885	873	867	874
Greece	187	132	122	122	204	211	146	181	208	219	251
Finland	813	825	828	837	821	822	811	812	811	821	823
Ireland	804	801	-	888	-	-	-	-	-	-	-
Denmark	823	831	842	888	882	882	883	867	843	884	858
Belgium	235	184	894	888	182	182	234	277	258	279	292
Austria	844	826	824	823	811	826	823	822	816	821	831
OECD Europe/	8 052	6 515	6 454	5 585	7 228	7 302	7 941	9 121	9 687	9 251	9 454
Imports from Persian Gulf											

Average

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
 U.S. geographic coverage is the 50 States and District of Columbia
 OECD Europe consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom
 Notes: Imports are on a direct basis. Exports are on a direct basis. Exports are on a direct basis. Exports are on a direct basis.
 Data for 1991 and 1992 are preliminary.
 Sources: See end of Section 4

U.S.
 U.S.
 U.S.
 U.S.
 U.S.

Table 4.9 United States/—Net Oil Imports 1962-1982
(Billions Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972
Average											

Total Net Imports	4 298	4 312	4 715	4 286	5 430	2 750	3 825	6 587	7 282	7 161	6 626
Imports from OPEC	2 090	1 790	1 987	1 756	2 750	3 825	3 055	4 836	4 836	4 236	4 002
Imports from OPEC-Africa	551	336	324	168	685	751	1 063	1 234	1 330	1 397	1 720
Qatar	887	888	885	888	888	888	888	888	888	888	888
U. A. E.	891	829	116	844	843	850	828	827	816	801	804
Iran	885	814	836	821	888	888	888	888	888	888	888
Iraq	885	810	812	846	888	888	888	888	888	888	888
Libya	885	885	885	885	885	885	885	885	885	885	885
Algeria	170	200	323	187	271	286	308	269	288	253	196
Total	750	588	588	536	737	867	934	1 134	1 144	1 040	1 000
Imports from OPEC-Europe	598	598	598	598	598	598	598	598	598	598	598
Italy	826	826	826	826	826	826	826	826	826	826	826
Spain	826	826	826	826	826	826	826	826	826	826	826
Portugal	826	826	826	826	826	826	826	826	826	826	826
France	826	826	826	826	826	826	826	826	826	826	826
Germany	826	826	826	826	826	826	826	826	826	826	826
United Kingdom	826	826	826	826	826	826	826	826	826	826	826
Belgium	826	826	826	826	826	826	826	826	826	826	826
Netherlands	826	826	826	826	826	826	826	826	826	826	826
Sweden	826	826	826	826	826	826	826	826	826	826	826
Denmark	826	826	826	826	826	826	826	826	826	826	826
Finland	826	826	826	826	826	826	826	826	826	826	826
Other	826	826	826	826	826	826	826	826	826	826	826
Imports from OPEC-Asia	598	598	598	598	598	598	598	598	598	598	598
Japan	826	826	826	826	826	826	826	826	826	826	826
South Korea	826	826	826	826	826	826	826	826	826	826	826
Philippines	826	826	826	826	826	826	826	826	826	826	826
India	826	826	826	826	826	826	826	826	826	826	826
China	826	826	826	826	826	826	826	826	826	826	826
Other	826	826	826	826	826	826	826	826	826	826	826
Imports from OPEC-Other	410	420	544	682	780	881	790	881	881	1 016	1 161
Imports from OPEC-Total	267	335	342	313	317	284	205	182	113	106	875
Total	267	335	342	313	317	284	205	182	113	106	875

U.S. geographic coverage is the 50 States and District of Columbia.
OPEC-Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
The Persian Gulf countries are all members of OPEC, except for Bahrain.
Imports are on a direct basis. Negative numbers represent net exports. A dash (-) indicates no trade.
Data for 1991 and 1992 are preliminary.
Data for 1991 and 1992 are preliminary.
Source: The end of Section 4.

Table 4.10 Japan--Net Oil Imports 1982-1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Average											
Total Net Imports	4,446	4,304	4,531	4,308	4,382	4,418	4,688	5,035	5,238	5,286	5,388
Imports from OPEC/	3,368	3,248	3,372	2,983	3,036	3,198	3,368	3,788	4,070	4,038	4,205
Imports from											
Persian Gulf/											
Total	2,674	2,638	2,773	2,533	2,557	2,637	2,681	3,173	3,394	3,378	3,584
Saudi Arabia	813	824	824	826	834	837	836	842	837	837	829
Iran	228	304	258	258	228	238	187	238	383	383	382
Iraq	878	818	815	843	164	188	173	219	146	888	888
Kuwait	188	156	221	215	278	347	341	438	291	814	228
U.A.E.	584	652	674	845	888	773	822	928	1,032	1,285	1,254
Qatar	145	147	248	228	183	139	283	258	263	285	298
Saudi Arabia	1,534	1,254	1,338	984	788	1,088	938	984	1,248	1,367	1,428
Imports from OPEC-Africa											
Total	888	838	812	818	816	823	844	816	828	822	815
Algeria	855	838	812	818	815	823	844	815	816	816	887
Libya	882	-	-	-	-	-	-	882	888	811	888
Nigeria	883	-	-	881	881	-	-	-	-	-	-
Imports from											
OPEC-South America											
Total	827	823	817	814	812	812	811	811	811	818	818
Venezuela	827	823	817	814	812	812	811	811	811	818	818
Imports from OPEC-Far East											
Total	838	886	894	452	486	543	588	631	682	673	624
Indonesia	838	886	894	452	486	543	588	631	682	673	624

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.

Imports & Exports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.

o Sources (888) indicates net imports of less than 8 888 million barrels per day. Data prior to 1982 not available.

Data for 1981 and 1982 are preliminary.

Sources: See end of Section 4.

Table 4.11 OECD Europe/—Net Oil Imports 1982-1992
Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products¹

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Average											
Total Net Imports	8 643	7 781	7 675	7 381	7 893	7 742	7 774	7 994	8 218	8 594	8 419
Imports from OECD^{2/}	6 815	5 721	5 548	5 395	6 163	5 628	5 873	6 205	6 656	6 857	6 844
Imports from											
Persian Gulf^{3/}	4 134	3 165	2 948	2 548	3 513	3 338	3 428	3 754	3 968	3 648	3 658
Bahrain	804	805	819	804	802	801	808	805	828	802	803
Iran	845	859	841	848	811	732	858	1 076	1 190	1 132	1 111
Iraq	424	388	516	673	717	905	959	897	591	800	808
Kuwait	180	251	324	356	456	469	474	452	346	619	142
U.A.E.	371	343	265	131	164	206	134	214	446	281	202
Qatar	127	977	118	851	854	848	821	824	809	809	806
Saudi Arabia	2 383	1 241	884	698	1 609	978	981	1 086	1 298	2 217	2 193
Imports from OECD-Africa	2 179	2 228	2 318	2 524	2 358	2 089	2 230	2 241	2 533	2 947	2 909
Algeria	644	578	574	659	615	627	646	648	683	757	770
Congo	552	662	667	877	898	831	831	817	824	129	895
Libya	940	940	894	948	967	942	1 071	1 044	1 267	1 313	1 340
Nigeria	543	647	783	841	727	669	681	532	559	729	684
Imports from											
OECD-South America	299	324	267	307	252	208	220	212	227	249	271
Venezuela	299	324	267	307	252	208	220	212	227	249	271
Imports from OECD-Eur East	808	810	815	808	802	802	805	804	808	802	809
Total	808	810	815	808	802	802	805	804	808	802	809
Indonesia											

1/ "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.
 2/ OECD-Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
 3/ The Persian Gulf countries are all members of OPEC, except for Bahrain.
 Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
 o Barrels (1,000) indicates net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
 Sources: See end of Section 4.

Table 4.12 France—Net Oil Imports 1982-1992
(million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Average											
Total Net Imports	1 791	1 667	1 724	1 654	1 682	1 742	1 718	1 711	1 750	1 849	1 747
Imports from OPEC ^{1/}	1 281	1 009	961	884	946	684	737	875	1 101	1 101	979
Imports from Persian Gulf ^{2/}											
Total	856	587	493	476	586	459	484	647	864	708	628
Bahrain	001	003	001	-	001	-	007	002	011	000	001
Iran	078	085	048	082	043	088	012	158	182	171	149
Iraq	030	041	072	138	109	151	143	128	042	000	000
Kuwait	018	019	019	035	023	044	017	021	015	011	029
U.A.E.	134	130	089	054	035	-	017	040	233	064	333
Oman	042	018	043	034	038	002	017	009	022	003	002
Saudi Arabia	554	291	200	134	324	175	271	288	339	459	414
Imports from OPEC-Africa											
Total	397	394	451	387	344	212	249	218	233	376	340
Algeria	186	149	158	109	089	072	079	089	092	107	180
Congo	025	011	025	043	043	-	-	-	000	080	066
Libya	052	065	076	070	061	064	090	045	079	104	086
Nigeria	133	169	192	165	129	076	079	044	062	084	088
Imports from OPEC-South America											
Total	028	031	018	020	019	012	011	012	015	017	011
Venezuela	028	031	018	020	019	012	011	012	015	017	011
Imports from OPEC-Far East											
Total	001	-	000	002	000	-	-	000	000	001	001
Indonesia	001	-	000	002	000	-	-	000	000	001	001

^{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: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.13 Germany^{1/}—Net Oil Imports 1982-1992

(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Average											
Total Net Imports	2.114	2.087	2.115	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.739
Imports from OPEC ^{2/}	1.007	868	807	787	831	679	761	739	776	871	964
Imports from Persian Gulf ^{3/}											
Total	.475	.288	.242	.152	.232	.187	.197	.216	.217	.227	.215
Bahrain	.001	.000	-	.000	-	-	-	-	-	-	-
Iran	.045	.042	.049	.053	.041	.020	.051	.041	.055	.053	.021
Iraq	.016	.030	.041	.008	.016	.052	.032	.009	.004	.000	.000
Kuwait	.013	.029	.026	.021	.021	.017	.013	.022	.013	.000	.009
U.A.E.	.047	.029	.023	.006	.004	.024	.006	.023	.016	.012	.002
Qatar	.008	.015	.010	-	-	.001	.001	.002	.003	.002	.001
Saudi Arabia	.345	.142	.093	.064	.151	.072	.095	.119	.125	.161	.182
Imports from OPEC-Africa											
Total	.491	.475	.483	.532	.485	.405	.472	.436	.469	.537	.620
Algeria	.119	.104	.086	.130	.137	.146	.141	.106	.098	.126	.183
Gabon	.006	.003	.006	.003	.001	.004	-	-	.005	.013	.006
Libya	.233	.218	.200	.201	.152	.160	.137	.235	.244	.262	.252
Nigeria	.133	.150	.191	.197	.195	.095	.095	.095	.123	.136	.179
Imports from OPEC-South America											
Total	.042	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128
Venezuela	.042	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128
Imports from OPEC-Far East											
Total	.000	-	-	.000	.001	.002	-	-	.002	.000	.000
Indonesia	.000	-	-	.000	.001	.002	-	-	.002	.000	.000

^{1/} Data through 1990 are for the former West Germany.

^{2/} OPEC=Organization of Petroleum Exporting Countries.

^{3/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.

o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.

Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.14 Italy—Net Oil Imports 1982-1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Average											
Total Net Imports	1.751	1.579	1.618	1.603	1.642	1.718	1.590	1.716	1.788	1.771	1.840
Imports from OPEC/	1.409	1.214	1.199	1.205	1.362	1.307	1.192	1.261	1.375	1.399	1.344
Imports from Persian Gulf/											
Total	.902	.746	.671	.583	.817	.782	.643	.619	.626	.595	.573
Bahrain	.001	.000	-	.002	.001	.000	-	.001	.000	.001	.001
Iran	.258	.238	.190	.146	.135	.141	.093	.124	.192	.231	.239
Iraq	.117	.096	.098	.139	.114	.167	.198	.138	.079	.000	.000
Kuwait	.072	.087	.108	.132	.147	.142	.118	.093	.063	.000	.007
U.A.E.	.036	.067	.053	.024	.051	.109	.060	.085	.075	.044	.013
Oman	.029	.013	.018	.007	.004	.029	.002	.008	.000	.004	.001
Saudi Arabia	.390	.244	.204	.134	.364	.194	.171	.171	.216	.315	.312
Imports from OPEC-Africa											
Total	.409	.393	.450	.552	.507	.489	.517	.627	.740	.799	.758
Algeria	.117	.062	.067	.110	.087	.109	.108	.150	.155	.155	.140
Gabon	.001	.009	.001	.001	.001	-	.001	.001	.000	.006	.000
Libya	.226	.225	.261	.299	.309	.342	.389	.430	.556	.581	.584
Nigeria	.066	.097	.121	.142	.110	.038	.019	.045	.029	.057	.034
Imports from OPEC-South America											
Total	.097	.075	.076	.072	.039	.037	.029	.014	.007	.004	.005
Venezuela	.097	.075	.076	.072	.039	.037	.029	.014	.007	.004	.005
Imports from OPEC-Far East											
Total	.002	-	.001	-	-	-	.002	.002	.003	.001	.009
Indonesia	.002	-	.001	-	-	-	.002	.002	.003	.001	.009

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: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.

o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.

Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.15 OECD^{1/} Imports from Iraq 1982-1992

(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Average											
Total.....	0.496	0.408	0.542	0.784	0.964	1.103	1.489	1.581	1.276	0.000	0.000
United States ^{2/}	.003	.010	.012	.046	.081	.083	.343	.449	.518	.000	.000
Canada.....	-	-	-	-	-	.010	.001	.013	.011	.000	.000
OECD Europe ^{3/}	.424	.388	.516	.673	.717	.905	.959	.897	.591	.000	.000
Main European Importers											
France.....	.030	.041	.072	.138	.109	.151	.143	.128	.062	.000	.000
Germany ^{4/}	.016	.030	.041	.008	.016	.052	.032	.009	.004	.000	.000
Italy.....	.117	.096	.098	.139	.114	.167	.198	.138	.079	.000	.000
Netherlands.....	.007	.003	.021	.022	.067	.034	.039	.101	.117	.000	.000
Spain.....	.059	.042	.071	.123	.117	.080	.092	.109	.063	.000	.000
European Net Exporters											
United Kingdom.....	.021	.013	.008	.041	.071	.082	.070	.034	.027	.000	.000
Smaller European Importers											
Austria.....	.002	-	.006	.007	-	.015	.007	.000	.000	.000	.000
Belgium.....	.008	.033	.038	.019	.026	.049	.037	.047	.029	.000	.000
Denmark.....	-	-	-	.000	-	.001	-	-	.000	.000	.000
Greece.....	.028	.027	.060	.038	.030	.065	.059	.052	.044	.000	.000
Portugal.....	.025	.014	.016	.018	.024	.019	.029	.024	.019	.000	.000
Sweden.....	-	-	-	.000	-	.003	.003	.005	.000	.000	.000
Switzerland.....	-	-	-	-	-	.000	-	.000	.000	.000	.000
Turkey.....	.111	.090	.086	.121	.143	.188	.250	.250	.146	.000	.000
Japan.....	.070	.010	.015	.063	.164	.105	.173	.219	.146	.000	.000
Other OECD.....	.000	.000	-.001	.001	.002	.000	.013	.003	.011	.000	.000

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

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

3/ "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.

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

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.16 OECD1/ Imports from Kuwait 1982-1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
	Average										
Total.....	0.309	0.456	0.631	0.624	0.829	0.925	0.936	1.084	0.740	0.039	0.414
United States2/.....	.005	.014	.036	.021	.068	.082	.092	.157	.086	.006	.051
Canada.....	.000	.003	-	-	-	-	-	-	.004	-	-
OECD Europe3/.....	.180	.251	.324	.356	.456	.469	.474	.452	.346	.019	.142
Main European Importers											
France.....	.018	.019	.019	.035	.023	.044	.017	.021	.015	.011	.029
Germany4/.....	.013	.029	.026	.021	.021	.017	.013	.022	.013	.000	.009
Italy.....	.072	.087	.108	.132	.147	.142	.118	.093	.063	.000	.007
Netherlands.....	.038	.065	.095	.098	.122	.150	.189	.194	.151	.002	.052
Spain.....	.013	.001	.003	.003	.020	.015	.030	.015	.010	.003	.000
European Net Exporters											
United Kingdom....	.015	.011	.016	.023	.014	.011	.006	.006	.045	.002	.027
Smaller European Importers											
Austria.....	-	-	-	-	-	-	.004	.002	.000	.000	.000
Belgium.....	.001	.001	.005	.002	.006	.000	-	-	.000	.001	.006
Denmark.....	-	.023	.032	.021	.020	.045	.060	.066	.034	.000	.000
Finland.....	-	-	-	.000	-	-	-	-	-	.000	-
Greece.....	-	-	.009	.005	.038	.030	.015	.009	.000	.000	.002
Portugal.....	-	-	-	-	-	.001	.003	.003	.002	.000	.000
Sweden.....	-	-	-	.002	-	-	-	.001	.001	.000	.000
Switzerland.....	-	-	-	-	-	-	-	-	-	.000	.000
Turkey.....	.011	.014	.011	.012	.046	.013	.019	.019	.011	.000	.010
Japan.....	.100	.156	.231	.215	.278	.347	.341	.458	.291	.014	.220
Other OECD.....	.024	.032	.039	.032	.028	.026	.029	.017	.013	.000	.001

1/ OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

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

3/ "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.

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

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade.
o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. Data prior to 1982 not available.
Data for 1991 and 1992 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 1992 and 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 1992.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.

o OECD, Monthly Oil Statistics data base, 1980-1993.

Oil Demand

United States: EIA, Petroleum Supply Annual 1992.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues. o OECD, Annual Oil Statistics data base, 1970-1979. o OECD, Monthly Oil Statistics data base, 1980-1993.

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1992.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.

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, 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, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the U.S. Virgin Islands).

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

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

Appendix B

Explanatory Notes

Appendix B. Explanatory Notes

Note 1: World Oil Supply

Supply includes production of crude oil (including lease condensates), natural gas plant liquids, other hydrocarbons for refinery feedstocks, refinery gas, alcohol, and liquids produced from coal and other sources. Beginning in 1993, U.S. data includes fuel ethanol blended into finished motor gasoline and kerosene production from merchant stills 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 Stocks and Energy Balances of OECD Countries, the IEA defines oil stocks as follows: All non-refinery 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 tanks, barges, international tankers (when part 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, and other ship bunkers, service stations, retail stocks 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 sectional 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. Being IEA definitions, at the end of March 1993 United States (including territories) oil stocks totaled 1,436 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. But imports from the CPEs were included in the balance as part of local Market Economies supply. At present, the former Soviet Union and most of the countries in 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 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 2.1) to the whole world.

Demand Data. EIA has now developed quarterly figures for world oil demand, including demand in the former USSR. These are published in Table 4 of EIA's Short-Term Energy Outlook. The procedures involved in developing Energy Information Administration/International Petroleum Statistics Report September 1993

quarterly world demand numbers may be summarized as follows:

Complete monthly data are available for the 23 OECD countries. Annual demand data for all countries (about 200 countries) are presented in EA: a International Energy Survey. In 1980, the OECD accounted for about three-fifths of total world demand, the 25 largest countries 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 big problem, therefore, is to develop good figures for the 25 largest countries outside the OECD.

Of these 25 countries, by far the largest consumer is the former Soviet Union, which in 1980 accounted for about one-third of the demand in the group of 25. The next largest consumer is China, which in 1980 accounted for about one-tenth of the demand in the group. Thus in 1980 the former Soviet Union and China accounted for about half of the demand in the group of 25. For these 2 countries, data are available on all 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 EA 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 gains 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 at home, 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 has 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 Economics 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 CEEs are included, the stocks that must be estimated are a considerably larger part of the total. In 1980, total oil demand in the former CEEs 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 changes. 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. It was 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 effluent, 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 value 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 Economics oil balance to a world oil balance. Supply data are tracked for all producing countries. Demand data are tracked for the 23 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 Journal. The stock levels in these tables are based on reported data for the OECD and for stocks of 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.

Domest (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 condensates.

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 Condensates. 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 condensates).

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, (propane, butane, propane-butane mixtures, and ethane-propane mixtures), isopentane, natural gasoline, unfractionated streams, plant condensates, 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 condensates), 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, paraffins 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 a 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 a 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. The International Energy Annual, 1991, published in December 1992, presents final demand data for all countries for 1990, and preliminary demand data for 1991. 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 1990 numbers match the currently published International Energy Annual. Numbers for 1991 and 1992 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 2 largest non-OECD oil consumers are the former Soviet Union and China. For these 2 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.

DATA is the trademark
of the
Centrus Bureau's
Public Information Service

Current economic and demographic statistics are just a phone call away. For further information on accessing CENDATA, contact DIALOG Information Services on (800)334-2564 or CompuServe on (800)848-8199. For an informative brochure, phone the Census Bureau on (301)763-2074.

END

**DATE
FILMED**

12/29/93