International Petroleum Statistics Report

May 1993

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International Petroleum Statistics Report

May 1993

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Office of Energy Markets and End Use
U.S. Department of Energy
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MASTER

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 April 1993 was estimated to be 23.3 to 23.4 million barrels per day (MMBD). The largest producers were Saudi Arabia (including a share of the Neutral Zone) (8.1 to 8.2 MMBD), Iran (3.4 to 3.5 MMBD), Venezuela (2.2 to 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 first quarter of 1993 indicated a increase of 0.1 MMBD from the first quarter 1992 average. The IEA estimates that oil consumption in the first quarter of 1993 averaged 39.6 MMBD.
- o Company-owned oil stocks on land in OECD countries are estimated by the IEA to have decreased by 0.5 MMBD in the first quarter of 1993. Government-owned oil stocks increased by 0.1 MMBD in the first quarter of 1993. The IEA estimates that total oil stocks in the OECD decreased by 0.3 MMBD in the first quarter of 1993.

NOTES

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).

As of December 31, 1992, Ecuador withdrew it's membership in the Organization of Petroleum Exporting Countries (OPEC). For consistency, Ecuador is excluded in the historical series of OPEC totals in all tables.

In this edition, there have been some changes in the factors used by the Energy Information Administration to convert OECD oil data from metric tons to barrels. The new factors are based on revised conversion factors developed by the International Energy Agency. The main changes are for Liquefied Petroleum Gases (LPG) and for the miscellaneous products category in each country. The effect of these changes has been to increase reported consumption in Europe in 1991 and 1992 by less than 1 percent, and to increase reported consumption in Japan by more than 2 percent. The new conversion factors are used beginning in 1991. This is the main reason for the revisions to Tables 1.5 and 1.7.

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 (4th Quarter 1992).....	19
Table 3.3 Net Oil Imports Into OECD Countries (3rd 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.....	
Appendix B. Explanatory Notes.....	53
Appendix C. Glossary.....	55
Appendix D. Estimation Procedures.....	59
	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	1,972	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	400	565	1,550	350	8,790	2,435	15,320	1,580	3,500
February.....	1,230	400	630	1,550	325	8,640	2,425	15,200	1,605	3,500
March.....	1,230	400	735	1,450	375	8,260	2,300	14,750	1,630	3,350
April.....	1,230	400	863	1,500	375	8,213	2,300	14,880	1,605	3,250
May.....	1,210	400	915	1,450	375	8,265	2,300	14,915	1,530	3,250
June.....	1,210	400	1,015	1,450	375	8,315	2,275	15,040	1,560	3,250
July.....	1,210	400	1,080	1,450	400	8,350	2,300	15,190	1,550	3,300
August.....	1,210	400	1,130	1,425	425	8,400	2,330	15,320	1,540	3,450
September.....	1,210	400	1,200	1,475	425	8,450	2,320	15,480	1,550	3,450
October.....	1,210	400	1,280	1,500	440	8,505	2,310	15,645	1,550	3,650
November.....	1,210	400	1,375	1,500	440	8,500	2,305	15,730	1,550	3,650
December.....	1,210	400	1,550	1,500	440	8,575	2,305	15,980	1,550	3,550
1992 Average.....	1,217	400	1,029	1,483	396	8,438	2,325	15,288	1,566	3,429
1993 January.....	1,210	R450	1,675	1,480	450	8,500	2,295	R16,060	1,550	3,650
February.....	1,210	R450	1,865	1,425	430	8,440	2,305	R16,125	1,530	3,750
March.....	1,200	450	1,650	1,350	400	8,300	2,270	15,620	1,500	3,700
1993 Average.....	1,207	450	1,726	1,418	427	8,412	2,290	15,929	1,527	3,698

^{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 March 1993, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 300 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 OPEC3/	Canada	Mexico	United Kingdom	United States4/	China	Former USSR	Other5/	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	25,050	1,585	2,675	1,920	7,363	2,830	9,115	10,821	61,359
February.....	1,925	2,340	24,830	1,560	2,665	1,905	7,373	2,865	8,650	10,670	60,518
March.....	1,900	2,190	24,120	1,620	2,680	1,755	7,315	2,835	8,760	10,744	59,829
April.....	1,925	2,190	24,155	1,535	2,680	1,835	7,291	2,855	9,025	10,838	60,214
May.....	1,925	2,290	24,215	1,510	2,660	1,700	7,110	2,835	8,455	10,566	59,051
June.....	1,925	2,290	24,370	1,560	2,680	1,545	7,138	2,830	8,440	10,758	59,321
July.....	1,975	2,290	24,610	1,630	2,660	1,780	7,096	2,825	8,365	10,818	59,784
August.....	2,000	2,340	24,955	1,675	2,685	1,825	7,928	2,815	8,130	10,802	59,815
September.....	2,025	2,390	25,195	1,620	2,685	1,830	7,019	2,860	7,980	10,873	60,062
October.....	2,050	2,440	25,635	1,665	2,655	1,930	7,065	2,875	7,965	11,017	60,807
November.....	2,050	2,440	25,720	1,640	2,640	1,945	7,027	2,845	7,910	10,847	60,574
December.....	2,100	2,415	25,895	1,575	2,655	1,935	7,125	2,785	7,870	11,074	60,914
1992 Average.....	1,982	2,334	24,897	1,598	2,668	1,825	7,153	2,838	8,388	10,820	60,187
1993 January.....	2,125	2,410	26,095	1,570	2,605	1,810	7,008	2,885	7,800	10,711	60,484
February.....	2,105	2,390	26,200	1,570	2,610	1,930	7,957	2,875	7,785	10,857	60,784
March.....	2,075	2,340	25,535	1,600	2,625	1,710	7,980	2,875	7,720	11,094	60,139
1993 Average.....	2,102	2,380	25,935	1,580	2,613	1,813	7,982	2,878	7,768	10,888	60,459

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 OPEC¹/ Crude Oil Production (Excluding Condensate)
(Thousand Barrels per Day)

	Algeria	Gabon	Indo- nesia	Iran	Iraq	Kuwait ² /	Libya	Nigeria	Qatar	Saudi Arabia ² /	United Arab Emirates	Vene- zuela	Total OPEC
1980 Average...	1,006	175	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,565
1981 Average...	802	151	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,306
1982 Average...	712	156	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,505
1983 Average...	648	157	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	17,153
1984 Average...	694	157	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	16,962
1985 Average...	702	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,675
1986 Average...	600	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,741
1987 Average...	648	155	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,803
1988 Average...	640	159	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,580
1989 Average...	690	208	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,409
1990 Average...	765	277	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	22,735
1991 Average...	800	295	1,433	3,334	2,298	187	1,483	1,832	390	8,181	2,387	2,338	22,958
1992													
January...	800	285	1,400	3,500	400	565	1,550	1,900	350	8,790	2,385	2,350	24,275
February...	800	260	1,425	3,500	400	630	1,550	1,850	325	8,640	2,375	2,300	24,055
March.....	800	300	1,450	3,350	400	735	1,450	1,825	375	8,260	2,250	2,150	23,345
April.....	800	305	1,425	3,250	400	863	1,500	1,850	375	8,213	2,250	2,150	23,380
May.....	780	305	1,350	3,250	400	915	1,450	1,850	375	8,265	2,250	2,250	23,440
June.....	780	305	1,380	3,250	400	1,015	1,450	1,850	375	8,315	2,225	2,250	23,595
July.....	780	305	1,370	3,300	400	1,080	1,450	1,900	400	8,350	2,250	2,250	23,835
August.....	780	305	1,360	3,450	400	1,130	1,425	1,925	425	8,400	2,280	2,300	24,180
September..	780	300	1,370	3,450	400	1,200	1,475	1,950	425	8,450	2,270	2,350	24,420
October....	780	300	1,370	3,650	400	1,280	1,500	1,975	440	8,505	2,260	2,400	24,860
November...	780	300	1,370	3,650	400	1,375	1,500	1,975	440	8,500	2,255	2,400	24,945
December...	780	300	1,370	3,550	400	1,550	1,500	2,000	440	8,575	2,255	2,375	25,095
1992 Average...	787	298	1,386	3,429	400	1,029	1,483	1,904	396	8,438	2,275	2,294	24,120
1993													
January...	780	300	1,370	3,650	R450	1,675	1,480	2,000	450	8,500	2,245	2,370	R25,270
February...	780	300	1,350	3,750	R450	1,865	1,425	1,980	430	8,440	2,255	2,350	R25,375
March.....	770	300	1,320	3,700	450	1,650	1,350	1,950	400	8,300	2,220	2,300	24,710
1993 Average...	777	300	1,347	3,698	450	1,726	1,418	1,977	427	8,412	2,240	2,340	25,110

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 March 1993, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 300 thousand barrels per day.

R=Revised.

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/}	Persian 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	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 January.....	140	460	450	750	525	1,686	1,035	1,217	1,390	5,131
February.....	140	450	460	740	525	1,694	1,025	1,207	1,380	5,124
March.....	140	465	460	710	525	1,695	990	1,172	1,330	5,075
April.....	140	450	460	705	525	1,704	985	1,167	1,325	5,084
May.....	140	410	440	710	525	1,701	990	1,172	1,330	5,001
June.....	140	420	445	710	525	1,701	990	1,172	1,330	5,011
July.....	140	435	440	715	525	1,669	995	1,177	1,335	5,014
August.....	140	435	430	715	525	1,635	995	1,177	1,335	4,980
September.....	140	420	440	720	525	1,660	1,000	1,182	1,340	4,980
October.....	140	430	450	725	525	1,719	1,005	1,187	1,345	5,099
November.....	140	420	440	720	525	1,748	1,000	1,182	1,340	5,113
December.....	140	420	440	725	525	1,739	1,005	1,187	1,345	5,099
1992 Average.....	140	435	446	720	525	1,696	1,001	1,183	1,344	5,059
1993 January.....	140	425	R455	725	525	1,728	1,005	1,187	R1,355	R5,103
February.....	140	425	440	720	525	R1,761	1,000	1,182	R1,350	R5,131
March.....	140	440	440	710	525	E1,753	990	1,172	1,340	5,108
1993 Average.....	140	430	445	718	525	E1,747	998	1,180	1,348	5,113

^{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.

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	16,652	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.....	E9,940	17,152	18,109	26,497	68,134
February.....	E9,894	17,022	17,983	26,267	67,222
March.....	E9,824	16,487	17,504	25,507	66,471
April.....	E9,834	16,459	17,646	25,537	66,890
May.....	E9,700	16,569	17,691	25,602	65,694
June.....	E9,708	16,693	17,795	25,757	65,954
July.....	E9,737	16,898	17,940	26,002	66,522
August.....	E9,419	17,202	18,074	26,347	66,403
September.....	E9,616	17,317	18,234	26,592	66,732
October.....	E9,650	17,662	18,424	27,037	67,525
November.....	E9,750	17,742	18,499	27,117	67,415
December.....	E9,862	17,897	18,764	27,297	67,763
1992 Average.....	E9,744	17,092	18,056	26,297	66,893
1993 January.....	E9,957	R18,097	R18,839	R27,507	R67,561
February.....	RE9,646	R18,312	R18,904	R27,607	R67,596
March.....	PE9,606	17,832	18,389	26,932	66,873
1993 Average.....	PE9,739	18,073	18,704	27,340	67,335

^{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.

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	R288	R119	R1,182	1,617	119	R613	65	R3,595
1992 January.....	148	R157	R293	116	R1,157	1,608	R117	R608	68	R3,558
February.....	R145	162	R303	R118	R1,171	1,585	109	R603	66	R3,534
March.....	142	R159	R303	115	R1,152	1,569	R108	R593	66	R3,487
April.....	140	155	R307	R115	R1,162	1,581	R108	R585	62	R3,498
May.....	R147	R161	R311	115	R1,179	1,601	R105	R595	63	R3,544
June.....	R148	R157	R307	R114	R1,180	1,602	R111	R590	R69	R3,553
July.....	R146	156	R299	R120	R1,172	1,620	R110	R593	67	R3,562
August.....	R150	R159	R303	R117	R1,201	1,621	R112	R611	69	R3,614
September.....	R148	155	R299	R112	R1,181	1,635	R110	R615	69	R3,610
October.....	148	R166	R302	R113	R1,199	1,640	R108	R621	R69	R3,637
November.....	149	R172	R306	R116	R1,207	1,635	R110	R618	R71	R3,640
December.....	145	R174	R306	R114	R1,216	1,592	R109	R609	67	R3,593
1993 January.....	148	171	310	120	1,214	1,611	112	619	69	3,624

^{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 December 1992)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	109	0	109
United States ^{3/}	1,017	575	1,592
United States Territories.....	24	0	24
Japan.....	382	227	609
Australia/New Zealand.....	43	NA	43
Austria.....	21	0	21
Belgium/Luxembourg.....	32	0	32
Denmark.....	30	0	30
Finland.....	23	0	23
France.....	145	0	145
Germany ^{4/}	253	53	306
Greece.....	35	NA	35
Ireland.....	6	2	8
Italy.....	168	6	174
Netherlands.....	101	0	101
Norway.....	35	0	35
Portugal.....	23	0	23
Spain.....	74	0	74
Sweden.....	33	2	35
Switzerland.....	35	0	35
Turkey.....	25	0	25
United Kingdom.....	114	0	114
OECD Europe.....	1,153	63	1,216
Total OECD.....	2,728	865	3,593

^{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....	R1,935	R1,863	R2,828	R1,801	R13,390	16,714	R1,608	R5,409	R1,052	R38,174
1992										
January....	R2,175	R2,237	R2,968	R1,832	R14,420	16,982	R1,630	R5,824	R1,012	R39,868
February....	R2,159	R2,149	R2,814	R1,819	R14,098	16,885	R1,624	R6,393	R1,042	R40,043
March....	R1,986	R1,872	R2,809	R1,818	R13,715	16,789	R1,613	R5,918	R1,053	R39,087
April....	R1,984	R1,891	R2,893	R1,858	R13,660	16,772	R1,569	R5,253	R1,042	R38,295
May....	R1,603	R1,671	R2,588	R1,694	R12,318	16,412	R1,557	R4,874	R1,002	R36,163
June....	R1,846	R1,801	R2,699	R1,725	R13,065	16,928	R1,606	R4,967	R1,086	R37,652
July....	R1,953	R, 900	R3,029	R1,804	R13,667	17,060	R1,630	R5,141	R1,027	R38,525
August....	R1,758	R1,655	R2,829	R1,699	R12,914	16,937	R1,665	R4,961	R946	R37,423
September....	R1,962	R2,003	R3,072	R1,870	R14,207	16,851	R1,642	R5,167	R1,045	R38,913
October....	R1,971	R1,930	R2,778	R1,825	R13,490	17,437	R1,708	R5,380	R1,022	R39,037
November....	R1,890	R2,053	R2,848	R1,852	R13,796	17,084	R1,717	R5,631	R1,059	R39,286
December....	R2,001	R2,076	R2,862	R1,839	R14,009	17,913	R1,673	R6,285	R1,089	R40,969
Average....	R1,935	R1,935	R2,849	R1,803	R13,605	17,006	R1,636	R5,480	R1,035	R38,763
1993										
January....	1,948	1,857	2,588	1,720	13,198	16,502	1,565	5,911	1,012	38,187

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 1991 and Petroleum Supply Monthly, April 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. 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 1991 and Petroleum Supply Monthly, April 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 1991 and Petroleum Supply Monthly, April 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				Average				Average				Average				Average			
Supply1/																				
	First	Second	Third	Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth
OECD	9.88	9.68	9.88	9.89	9.75	9.75	9.59	9.75	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74
United States2/	7.11	7.35	7.56	7.95	7.59	7.59	7.83	8.13	7.87	7.87	7.87	7.87	7.87	7.87	7.87	7.87	7.87	7.87	7.87	7.87
Other OECD	16.99	17.03	17.44	17.83	17.34	17.34	17.42	17.88	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62	17.62
Total OECD	23.53	24.81	25.11	26.09	25.63	25.63	26.31	27.15	26.30	26.30	26.30	26.30	26.30	26.30	26.30	26.30	26.30	26.30	26.30	26.30
Non-OECD	12.14	11.40	10.41	9.37	9.16	9.16	8.69	8.44	8.91	8.91	8.91	8.91	8.91	8.91	8.91	8.91	8.91	8.91	8.91	8.91
OPEC	13.19	13.48	13.79	13.99	14.04	14.04	14.13	14.10	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06	14.06
Former USSR	48.87	49.69	49.32	49.45	48.83	48.83	49.13	49.69	49.27	49.27	49.27	49.27	49.27	49.27	49.27	49.27	49.27	49.27	49.27	49.27
Other Non-OECD	65.85	66.72	66.76	67.28	66.17	66.17	66.55	67.57	66.89	66.89	66.89	66.89	66.89	66.89	66.89	66.89	66.89	66.89	66.89	66.89
Total Non-OECD	121.02	126.41	126.08	136.73	135.00	135.00	135.68	147.14	153.76	153.76	153.76	153.76	153.76	153.76	153.76	153.76	153.76	153.76	153.76	153.76
Total World Supply	144.55	151.22	151.19	162.82	160.63	160.63	162.01	174.29	180.06	180.06	180.06	180.06	180.06	180.06	180.06	180.06	180.06	180.06	180.06	180.06
Demand3/	17.33	16.99	16.71	16.89	16.70	16.70	16.95	17.48	17.01	17.01	17.01	17.01	17.01	17.01	17.01	17.01	17.01	17.01	17.01	17.01
OECD	20.24	20.49	21.46	22.77	20.66	20.66	21.33	22.28	21.76	21.76	21.76	21.76	21.76	21.76	21.76	21.76	21.76	21.76	21.76	21.76
United States2/	37.57	37.47	38.17	39.66	37.36	37.36	38.28	39.77	38.76	38.76	38.76	38.76	38.76	38.76	38.76	38.76	38.76	38.76	38.76	38.76
Other OECD	2.38	2.30	2.46	2.58	2.58	2.58	2.68	2.68	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
Non-OECD	8.74	8.39	8.20	7.96	7.04	7.04	6.24	6.11	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84
China	17.34	17.99	17.96	18.81	18.41	18.41	18.27	19.67	18.79	18.79	18.79	18.79	18.79	18.79	18.79	18.79	18.79	18.79	18.79	18.79
Former USSR	28.46	28.68	28.62	29.35	28.04	28.04	27.20	28.46	28.26	28.26	28.26	28.26	28.26	28.26	28.26	28.26	28.26	28.26	28.26	28.26
Other Non-OECD	66.03	66.15	66.80	69.01	65.40	65.40	65.48	68.23	67.02	67.02	67.02	67.02	67.02	67.02	67.02	67.02	67.02	67.02	67.02	67.02
Total Non-OECD	102.61	102.92	103.68	111.17	106.84	106.84	105.68	116.89	113.08	113.08	113.08	113.08	113.08	113.08	113.08	113.08	113.08	113.08	113.08	113.08
Total World Demand	119.94	119.91	120.39	128.06	127.50	127.50	127.63	135.57	138.09	138.09	138.09	138.09	138.09	138.09	138.09	138.09	138.09	138.09	138.09	138.09
Stock Draws / Discrepancy																				
Net Reported Stock Draws4/																				
U. S. Commercial	.10	-.09	-.04	.53	-.35	-.35	-.35	.51	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08	.08
U. S. Strategic	-.05	-.02	.05	NA	-.01	-.01	-.01	-.04	-.02	-.02	-.02	-.02	-.02	-.02	-.02	-.02	-.02	-.02	-.02	-.02
U. S. OECD	-.14	-.14	-.09	.66	-.35	-.35	-.27	-.28	-.06	-.06	-.06	-.06	-.06	-.06	-.06	-.06	-.06	-.06	-.06	-.06
For Export & Afloat	NA	-.05	-.07	.22	-.05	-.05	-.60	NA	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11
Commr. Floating Storage	.05	-.18	.15	.11	-.05	-.05	NA	NA	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
Total Reported Stock Draws	-.04	-.49	.01	1.52	-.83	-.83	-1.22	.19	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09
Other Stock Draws and																				
Statistical Discrepancy5/	.22	-.08	.03	.22	.05	.05	.15	.47	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22

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.
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						
				Quarters				Quarters						
				First	Second	Third	Fourth	Annual Average	First	Second	Third	Fourth	Annual Average	
OECD														
United States ^{2/} ...	9.88	9.68	9.88	9.89	9.75	9.59	9.75	9.74	9.74	9.74	9.74	9.74	NA	NA
Canada.....	2.03	2.02	2.04	2.10	2.01	2.12	2.10	2.08	2.06	2.06	2.06	2.06	NA	NA
North Sea.....	3.73	3.85	4.04	4.38	4.10	4.24	4.58	4.32	4.34	4.34	4.34	4.34	NA	NA
Other OECD.....	1.35	1.47	1.48	1.47	1.48	1.47	1.45	1.47	1.43	1.43	1.43	1.43	NA	NA
Total OECD.....	16.99	17.03	17.44	17.83	17.34	17.42	17.88	17.62	17.57	17.57	17.57	17.57	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	1.21	1.21	1.21	NA	NA
Gabon.....	.21	.27	.29	.28	.30	.30	.30	.30	.30	.30	.30	.30	NA	NA
Indonesia...	1.41	1.46	1.61	1.60	1.56	1.55	1.55	1.57	1.53	1.53	1.53	1.53	NA	NA
Iran.....	2.81	3.09	3.33	3.45	3.25	3.40	3.62	3.43	3.70	3.70	3.70	3.70	NA	NA
Iraq.....	2.90	2.04	.30	.40	.40	.40	.40	.40	.45	.45	.45	.45	NA	NA
Kuwait.....	1.78	1.17	.19	.64	.93	1.14	1.40	1.03	1.73	1.73	1.73	1.73	NA	NA
Libya.....	1.15	1.38	1.48	1.52	1.47	1.45	1.50	1.42	1.42	1.42	1.42	1.42	NA	NA
Nigeria.....	1.72	1.81	1.89	1.93	1.92	2.00	2.07	1.98	2.10	2.10	2.10	2.10	NA	NA
Qatar.....	.38	.41	.39	.35	.38	.42	.44	.40	.43	.43	.43	.43	NA	NA
Saudi Arabia..	5.06	6.41	8.18	8.56	8.26	8.40	8.53	8.44	8.41	8.41	8.41	8.41	NA	NA
United Arab Emirates...	1.86	2.12	2.45	2.39	2.29	2.32	2.31	2.33	2.29	2.29	2.29	2.29	NA	NA
Venezuela.....	1.91	2.14	2.37	2.31	2.26	2.34	2.43	2.33	2.38	2.38	2.38	2.38	NA	NA
Natural Gas														
Plant Liquids	1.19	1.28	1.34	1.37	1.33	1.34	1.34	1.34	1.35	1.35	1.35	1.35	NA	NA
Processing Gain.	.07	.06	.05	.06	.06	.06	.06	.06	.06	.06	.06	.06	NA	NA
Total OPEC.....	23.53	24.81	25.11	26.09	25.63	26.31	27.15	26.30	27.34	27.34	27.34	27.34	NA	NA
Former USSR.....	12.14	11.40	10.41	9.37	9.16	8.69	8.44	8.91	8.29	8.29	8.29	8.29	NA	NA
China.....	2.76	2.77	2.80	2.84	2.84	2.83	2.83	2.84	2.88	2.88	2.88	2.88	NA	NA
Mexico.....	2.93	3.01	3.16	3.16	3.15	3.14	3.12	3.14	3.09	3.09	3.09	3.09	NA	NA
Other Non-OECD.....	7.51	7.70	7.83	7.99	8.05	8.16	8.14	8.08	8.17	8.17	8.17	8.17	NA	NA
Total Non-OECD.....	48.87	49.69	49.32	49.45	48.83	49.13	49.69	49.27	49.77	49.77	49.77	49.77	NA	NA
Total Supply.....	65.85	66.72	66.76	67.28	66.17	66.55	67.57	66.89	67.33	67.33	67.33	67.33	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).

^{2/}For OPEC, natural gas plant liquids production and processing gain are shown as separate lines.

^{3/}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 Stocks¹/, End of Period
(Million Barrels)**

	1989	1990	1991	1992						
	Year End	Quarters								
		First	Second	Third	Fourth					
OECD										
United States ^{2/}										
Commercial.....	1,001	1,035	990	1,066	1,094	1,048	1,000	1,032	1,064	1,017
Strategic.....	580	586	568	568	569	569	569	570	571	575
U. S. Territories.....	23	28	25	24	28	24	23	25	24	24
Canada.....	114	121	117	107	117	119	108	111	110	109
Japan.....	577	590	599	597	630	613	593	590	615	609
OECD Europe										
France.....	138	140	142	144	150	153	142	148	148	145
Germany.....	271	265	281	274	288	288	303	307	299	306
Italy.....	164	172	178	173	170	160	159	157	155	174
United Kingdom.....	118	112	124	117	120	119	115	114	112	114
Other OECD Europe.....	441	475	454	452	469	461	433	456	467	476
Total.....	1,133	1,163	1,179	1,162	1,196	1,182	1,152	1,180	1,181	1,216
Australia & New Zealand	48	45	50	48	46	41	43	44	46	43
Total OECD.....	3,476	3,568	3,528	3,571	3,680	3,595	3,487	3,553	3,610	3,593
Stocks for Export										
and Afloat ^{3/}	920	940	915	900	940	965	945	950	1,005	1,005
Commercial Floating ^{4/}	65	130	160	125	85	75	65	70	70	70

1/See Note 2 in Appendix B.

1/See Note 2 in Appendix B.
2/U.S. stock data include Alaskan crude oil in transit by water. These data were previously reported in stocks for export and afloat U S geographic coverage is the 50 States and the District of Columbia.

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

4/ Stocks stored by industry in tankers moored offshore. Excludes strategic storage.

4/ Stocks stored
NA=Not Available.

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

Note: Sum of components may not equal 100%.

Sources: See end of Section 2.

Table 2.4 World Oil Demand1/
(Million Barrels Per Day)

	1989	1990	1991	1992				1993			
		Annual Average	Quarters				Quarters				Annual Average
			First	Second	Third	Fourth	First	Second	Third	Fourth	
OECD											
United States2/.....	17.33	16.99	16.71	16.89	16.70	16.95	17.48	17.01	NA	NA	NA
U. S. Territories.....	.21	.21	.24	.23	.22	.20	.21	.21	NA	NA	NA
Canada.....	1.73	1.69	1.61	1.62	1.58	1.65	1.70	1.64	NA	NA	NA
Japan.....	4.98	5.14	5.41	6.04	5.03	5.09	5.77	5.48	NA	NA	NA
OECD Europe3/											
France.....	1.86	1.82	1.94	2.11	1.82	1.89	1.95	1.93	NA	NA	NA
Italy.....	1.93	1.87	1.86	2.08	1.79	1.85	2.02	1.94	NA	NA	NA
United Kingdom.....	1.74	1.75	1.80	1.82	1.76	1.79	1.84	1.80	NA	NA	NA
Germany4/.....	2.28	2.38	2.83	2.86	2.73	2.98	2.83	2.85	NA	NA	NA
Other OECD Europe....	4.73	4.81	4.96	5.20	4.93	5.08	5.12	5.08	NA	NA	NA
Total OECD Europe....	12.53	12.63	13.39	14.08	13.01	13.59	13.76	13.61	NA	NA	NA
Australia & New Zealand	.79	.82	.81	.81	.83	.81	.84	.82	NA	NA	NA
Total OECD.....	37.57	37.47	38.17	39.66	37.36	38.28	39.77	38.76	NA	NA	NA
Non-OECD											
China.....	2.38	2.30	2.46	2.58	2.58	2.68	2.68	2.63	NA	NA	NA
Former USSR.....	8.74	8.39	8.20	7.96	7.04	6.24	6.11	6.84	NA	NA	NA
Other Non-OECD.....	17.34	17.99	17.96	18.81	18.41	18.27	19.67	18.79	NA	NA	NA
Total Non-OECD.....	28.46	28.68	28.62	29.35	28.04	27.20	28.46	28.26	NA	NA	NA
Total World Demand.....	66.03	66.15	66.80	69.01	65.40	65.48	68.23	67.02	NA	NA	NA

1/Includes bunkers and refinery fuel. The term Demand is used interchangeably with the terms Consumption and Petroleum Products applied. 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 1991 and Petroleum Supply Monthly, April 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 1991 and Petroleum Supply Monthly, April 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 1991 and Petroleum Supply Monthly, April 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..	20.831	8.446	-0.215	1.747	2.755	1.840	2.319	6.895	-0.540	5.479	0.551
Imports from OPEC7/	15.883	6.806	.390	.979	.964	1.344	3.129	4.001	.194	4.303	.579
Imports from Persian Gulf8/											
Total.....	9.521	3.616	.220	.628	.215	.573	1.979	1.770	.088	3.671	.377
Bahrain.....	.033	.003	.001	.001	-	.001	.000	-.002	-	.030	.002
Iran.....	1.475	1.102	.032	.149	.021	.239	.660	.000	.011	.361	.002
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.394	.121	.027	.029	.008	.007	.050	.051	-	.221	.001
U.A.E.....	1.648	.175	.021	.033	.002	.013	.106	.004	.000	1.275	.194
Qatar.....	.310	.006	.001	.002	.001	.001	.002	.001	-	.303	.000
Saudi Arabia.....	5.661	2.208	.139	.414	.182	.312	1.160	1.716	.078	1.481	.179
Imports from OPEC-Africa											
Total.....	4.031	2.912	.123	.340	.622	.758	1.070	1.001	.062	.015	.041
Algeria.....	.977	.772	.056	.100	.185	.140	.290	.197	.008	.007	-.006
Gabon.....	.243	.095	.000	.066	.006	.000	.022	.124	.000	.008	.016
Libya.....	1.364	1.364	.044	.086	.252	.584	.399	.000	.000	-	.000
Nigeria.....	1.447	.682	.022	.088	.179	.034	.358	.680	.054	.000	.032
Imports from OPEC-South America											
Total.....	1.551	.272	.049	.011	.128	.005	.080	1.153	.044	.010	.072
Venezuela.....	1.551	.272	.049	.011	.128	.005	.080	1.153	.044	.010	.072
Imports from OPEC-Far East											
Total.....	.812	.009	.000	.001	.000	.009	.000	.075	.000	.637	.091
Indonesia.....	.812	.009	.000	.001	.000	.009	.000	.075	.000	.637	.091

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, (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	Germany2/	Italy	Other Europe3/	United States4/	Canada	Japan	Other5/
Total Net Imports...	21.374	8.527	-0.273	1.762	2.770	1.963	2.305	7.031	-0.568	5.673	0.711
Imports from OPEC6/	16.302	6.862	.380	.949	.980	1.400	3.152	4.178	.236	4.425	.600
Imports from Persian Gulf7/											
Total.....	9.778	3.637	.268	.659	.212	.546	1.952	1.818	.119	3.780	.424
Bahrain.....	.029	.005	.000	.005	-	.000	.000	.000	-	.024	.000
Iran.....	1.417	1.069	.054	.123	.027	.237	.628	.000	.017	.327	.004
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.647	.173	.057	.027	.023	.009	.057	.140	-	.335	.000
U.A.E.....	1.699	.157	.018	.041	.002	.000	.097	.013	.000	1.298	.231
Qatar.....	.351	.014	.000	.006	.000	.003	.005	.000	-	.337	.000
Saudi Arabia.....	5.632	2.218	.139	.457	.161	.297	1.163	1.665	.102	1.459	.189
Imports from OPEC-Africa											
Total.....	4.044	2.959	.071	.289	.639	.833	1.128	.984	.084	.013	.005
Algeria.....	.950	.766	.033	.082	.220	.160	.273	.187	.008	.000	-.011
Gabon.....	.234	.069	.000	.055	.004	.000	.011	.134	.000	.013	.018
Libya.....	1.384	1.384	.038	.060	.260	.612	.415	.000	.000	-	.000
Nigeria.....	1.477	.739	.000	.092	.156	.061	.430	.664	.075	.000	-.002
Imports from OPEC-South America											
Total.....	1.699	.253	.042	.007	.128	.004	.072	1.335	.033	.011	.066
Venezuela.....	1.699	.253	.042	.007	.128	.004	.072	1.335	.033	.011	.066
Imports from OPEC-Far East											
Total.....	.810	.018	.000	.000	.000	.018	.000	.040	.000	.646	.106
Indonesia.....	.810	.018	.000	.000	.000	.018	.000	.040	.000	.646	.106

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 OECD1/ Countries, (3rd 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	Germany2/	Italy	Other Europe3/	United States4/	Canada	Japan	Other5/
Total Net Imports..	21.319	8.376	-0.206	1.662	2.756	1.721	2.444	7.442	-0.496	5.415	0.582
Imports from OPEC6/	16.009	6.836	.436	.913	1.004	1.204	3.279	4.139	.230	4.220	.583
Imports from											
Persian Gulf7/											
Total.....	9.393	3.619	.214	.592	.232	.523	2.059	1.699	.104	3.590	.381
Bahrain.....	.035	.000	.000	.000	-	.000	.030	-.003	-	.035	.003
Iran.....	1.531	1.155	.009	.158	.021	.192	.774	.000	.017	.356	.004
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.529	.198	.038	.053	.009	.006	.092	.065	-	.265	.001
U.A.E.....	1.578	.146	.010	.029	.005	.000	.103	.000	.000	1.232	.199
Qatar.....	.331	.007	.000	.002	.005	.000	.001	.003	-	.321	.000
Saudi Arabia.....	5.388	2.112	.156	.350	.192	.325	1.090	1.634	.087	1.381	.174
Imports from											
OPEC-Africa											
Total.....	4.237	2.935	.167	.309	.655	.672	1.132	1.177	.080	.010	.034
Algeria.....	1.132	.902	.090	.099	.210	.095	.407	.208	.019	.004	-
Gabon.....	.213	.049	.000	.026	.006	.000	.016	.138	.000	.007	.018
Libya.....	1.428	1.428	.053	.105	.277	.552	.442	.000	.000	-	.000
Nigeria.....	1.464	.556	.024	.079	.162	.024	.267	.830	.062	.000	.017
Imports from											
OPEC-South America											
Total.....	1.599	.276	.056	.011	.117	.003	.088	1.191	.046	.005	.081
Venezuela.....	1.599	.276	.056	.011	.117	.003	.088	1.191	.046	.005	.081
Imports from											
OPEC-Far East											
Total.....	.815	.006	.000	.000	.000	.006	.000	.070	.000	.649	.090
Indonesia.....	.815	.006	.000	.000	.000	.006	.000	.070	.000	.649	.090

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

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

(.000) Sources: See end of Section 3.

Table 3.4 OECD^{1/} Total Net Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992											1993
	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan
Total.....	20.453	19.757	21.188	20.282	20.098	21.235	21.549	21.169	21.280	21.293	21.545	22.157
United States ^{2/}	5.902	6.124	7.129	6.869	6.804	7.544	7.467	7.312	7.617	6.881	6.591	7.011
Canada.....	- .680	- .557	- .572	- .574	- .310	- .507	- .479	- .503	- .631	- .499	- .573	- .535
OECD Europe ^{3/}	8.919	8.152	8.758	8.393	8.297	8.209	8.648	8.269	8.259	8.534	8.788	8.632
Main European Importers												
France.....	1.765	1.794	1.806	1.871	1.663	1.581	1.682	1.726	1.826	1.740	1.720	1.832
Germany ^{4/}	2.887	2.801	2.870	2.555	2.488	2.636	2.837	2.796	2.748	2.830	2.733	2.884
Italy.....	2.089	1.759	1.784	1.735	1.633	1.769	1.642	1.769	1.748	2.112	2.033	1.628
Spain.....	1.152	1.067	1.112	1.058	.929	.924	1.125	.987	1.011	.853	.843	.931
Netherlands.....	.651	.593	.643	.661	1.041	.739	.774	.726	.599	.427	.783	.649
European Net Exporters												
Norway.....	-1.788	-2.336	-2.145	-2.022	-2.042	-1.964	-1.920	-2.231	-2.118	-2.160	-2.147	-2.012
United Kingdom.....	-.238	-.130	-.261	-.047	-.060	.050	-.346	-.327	-.260	-.240	-.319	-.041
Smaller European Importers												
Austria.....	.214	.210	.215	.190	.219	.186	.223	.190	.224	.214	.244	.212
Belgium.....	.555	.540	.574	.494	.425	.426	.549	.531	.474	.574	.545	.539
Denmark.....	-.025	.036	.028	.026	.057	.001	.087	.057	-.028	-.001	.104	-.038
Ireland.....	.058	.121	.076	.083	.092	.087	.096	.108	.076	.116	.119	.108
Finland.....	.071	.090	.165	.216	.183	.239	.191	.121	.231	.224	.238	.058
Greece.....	.287	.395	.340	.347	.277	.273	.293	.412	.331	.335	.273	.413
Iceland.....	.027	.000	.021	.001	.031	.001	.015	.003	.008	.004	.026	-
Luxembourg.....	.044	.040	.046	.034	.038	.037	.036	.041	.042	.040	.044	.039
Portugal.....	.268	.161	.363	.282	.274	.243	.261	.352	.256	.277	.320	.288
Sweden.....	.310	.309	.369	.291	.355	.322	.333	.298	.388	.500	.523	.478
Switzerland.....	.280	.299	.281	.262	.291	.290	.306	.291	.272	.251	.246	.242
Turkey.....	.312	.403	.471	.356	.432	.385	.464	.420	.432	.437	.460	.423
Japan.....	5.748	5.554	5.572	5.110	4.804	5.314	5.398	5.536	5.394	5.604	6.020	6.493
Other OECD.....	.555	.483	.300	.483	.504	.675	.515	.554	.641	.774	.719	.556

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. c 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)

	1992											1993
	Feb	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan
Total.....	15.729	15.465	15.785	15.237	15.236	15.956	15.703	16.379	16.327	16.202	16.374	17.174
United States3/.....	3.455	3.564	3.995	4.058	3.858	4.224	4.030	4.164	4.473	4.000	4.056	4.124
Canada.....	.141	.133	.168	.164	.200	.221	.203	.268	.183	.276	.252	.254
OECD Europe4/.....	6.858	6.823	6.853	6.477	6.670	6.758	6.754	7.001	6.777	6.995	6.819	7.156
Main European Importers												
France.....	1.045	1.054	1.026	1.067	.945	.911	.879	.951	1.003	.949	.896	1.268
Germany5/.....	1.008	1.012	.916	.869	.934	.849	1.058	1.109	1.031	1.016	.894	.883
Italy.....	1.537	1.442	1.274	1.290	1.401	1.255	1.162	1.193	1.198	1.454	1.551	1.293
Spain.....	.670	.740	.672	.529	.478	.574	.649	.666	.610	.654	.708	.695
Netherlands.....	.876	.703	.881	.911	.907	1.081	.892	1.020	.906	.669	.948	1.019
European Net Exporters												
Norway.....	.000	.013	.003	.000	.011	.000	.011	.000	.000	.000	.005	-
United Kingdom.....	.325	.375	.329	.427	.454	.497	.492	.316	.358	.467	.319	.389
Smaller European Importers												
Austria.....	.158	.110	.117	.052	.102	.101	.125	.089	.156	.116	.130	.139
Belgium.....	.330	.325	.324	.311	.323	.331	.319	.361	.354	.412	.301	.305
Denmark.....	.000	.000	.007	.000	.000	.000	.000	.004	.000	.000	.000	.000
Ireland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.002	.001	.014	.054	.071	.053	.088	.054	.034	.010	.009	-
Greece.....	.338	.408	.392	.335	.368	.320	.351	.404	.346	.294	.200	.326
Portugal.....	.121	.087	.229	.108	.080	.152	.110	.211	.129	.153	.197	.203
Sweden.....	.120	.104	.168	.099	.113	.174	.089	.185	.180	.255	.169	.180
Switzerland.....	.068	.052	.033	.042	.024	.035	.055	.040	.055	.072	.074	.053
Turkey.....	.260	.395	.469	.383	.458	.424	.473	.399	.416	.474	.419	.403
Japan.....	4.621	4.507	4.278	3.947	3.883	4.127	4.192	4.347	4.367	4.235	4.667	4.981
Other OECD.....	.654	.439	.492	.591	.625	.627	.525	.599	.526	.697	.580	.659

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 Gulf2/ (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992												1993
	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	
Total.....	9.733	9.268	9.643	9.152	9.012	9.222	9.328	9.635	9.554	9.632	10.145	10.364	
United States3/.....	1.772	1.707	1.729	1.760	1.740	1.772	1.662	1.661	1.730	1.742	1.979	1.790	
Canada.....	.093	.013	.105	.000	.089	.074	.115	.123	.071	.120	.168	.085	
OECD Europe4/.....	3.470	3.445	3.888	3.606	3.607	3.531	3.610	3.720	3.628	3.626	3.658	3.892	
Main European Importers													
France.....	.570	.660	.664	.733	.551	.610	.602	.565	.657	.648	.672	.929	
Germany5/.....	.220	.189	.223	.214	.257	.245	.235	.214	.254	.203	.179	.144	
Italy.....	.670	.600	.618	.565	.602	.497	.520	.552	.513	.551	.574	.513	
Spain.....	.226	.221	.234	.200	.202	.243	.228	.278	.235	.200	.309	.206	
Netherlands.....	.640	.479	.642	.621	.652	.557	.642	.744	.598	.396	.752	.768	
European Net Exporters													
Norway.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	-	
United Kingdom.....	.181	.206	.162	.226	.223	.245	.268	.125	.239	.334	.233	.263	
Smaller European Importers													
Austria.....	.051	.057	.025	.021	.015	.019	.059	.000	.048	.031	.006	.024	
Belgium.....	.278	.253	.263	.236	.263	.256	.257	.278	.290	.354	.219	.247	
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	
Finland.....	.002	.001	.014	.054	.071	.053	.029	.023	.034	.010	.009	-	
Greece.....	.305	.338	.337	.295	.303	.250	.298	.367	.276	.239	.165	.252	
Portugal.....	.060	.033	.143	.038	.019	.113	.035	.102	.062	.085	.104	.106	
Sweden.....	.058	.060	.137	.061	.063	.079	.025	.135	.051	.174	.063	.084	
Switzerland.....	.011	.005	.005	.011	.005	.014	.005	.014	.004	.005	.000	-	
Turkey.....	.199	.343	.419	.332	.381	.348	.407	.324	.367	.396	.367	.357	
Japan.....	3.919	3.884	3.594	3.436	3.245	3.490	3.588	3.696	3.722	3.669	3.944	4.216	
Other OECD.....	.479	.218	.327	.351	.331	.356	.354	.435	.403	.475	.397	.381	

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
roes (.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 States¹/—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992											1993
	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan
Total Net Imports..	5.902	6.124	7.129	6.869	6.804	7.544	7.467	7.312	7.617	6.881	6.591	7.011
Imports from OPEC ² /	3.455	3.564	3.995	4.058	3.858	4.224	4.030	4.164	4.473	4.000	4.056	4.124
Imports from Persian Gulf ³ /	1.772	1.707	1.729	1.760	1.740	1.772	1.662	1.661	1.730	1.742	1.979	1.790
Total.....	1.772	1.707	1.729	1.760	1.740	1.772	1.662	1.661	1.730	1.742	1.979	1.790
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.000	.000	.000	.000	.000	.058	.066	.070	.137	.117	.165	.109
U.A.E.....	.002	.000	.000	.000	.000	.002	.005	.002	.002	.017	.021	.006
Qatar.....	.000	.000	.000	.000	.000	.008	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	1.776	1.707	1.733	1.764	1.744	1.713	1.594	1.593	1.592	1.608	1.793	1.687
Imports from OPEC-Africa	.645	.681	1.166	1.110	1.013	1.222	1.184	1.123	1.180	.908	.863	.950
Total.....	.218	.215	.182	.202	.144	.179	.261	.184	.186	.171	.203	.153
Algeria.....	.105	.025	.186	.135	.129	.143	.108	.165	.167	.114	.120	.068
Gabon.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Libya.....	.322	.441	.798	.773	.740	.900	.815	.774	.827	.623	.540	.729
Nigeria.....												
Imports from OPEC-South America	.997	1.091	1.044	1.031	.993	1.163	1.090	1.323	1.508	1.335	1.163	1.377
Total.....	.997	1.091	1.044	1.031	.993	1.163	1.090	1.323	1.508	1.335	1.163	1.377
Venezuela.....												
Imports from OPEC-Far East	.039	.085	.054	.155	.109	.062	.091	.057	.054	.015	.051	.007
Total.....	.039	.085	.054	.155	.109	.062	.091	.057	.054	.015	.051	.007
Indonesia.....												

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
	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan
Total Net Imports..	5.748	5.554	5.572	5.110	4.804	5.314	5.398	5.536	5.394	5.604	6.020	6.493
Imports from OPEC1/	4.621	4.507	4.278	3.947	3.883	4.127	4.192	4.347	4.367	4.235	4.667	4.981
Imports from Persian Gulf2/	3.919	3.884	3.594	3.436	3.245	3.490	3.588	3.696	3.722	3.669	3.944	4.216
Total.....	.031	.019	.000	.041	.043	.049	.032	.024	.007	.046	.020	.032
Bahrain.....	.426	.469	.406	.276	.171	.524	.341	.197	.329	.279	.371	.407
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.096	.122	.169	.197	.185	.192	.304	.301	.304	.328	.372	.412
U.A.E.....	1.402	1.357	1.278	1.240	1.086	1.199	1.250	1.246	1.321	1.239	1.334	1.432
Qatar.....	.278	.250	.270	.301	.307	.244	.372	.348	.370	.341	.301	.329
Saudi Arabia.....	1.685	1.667	1.471	1.381	1.452	1.282	1.289	1.579	1.392	1.437	1.547	1.605
Imports from OPEC-Africa												
Total.....	.008	.020	.016	.035	.008	.026	.005	.000	.019	.000	.018	.021
Algeria.....	.008	.000	.016	.035	.008	.006	.005	.000	.000	.000	.000	.000
Gabon.....	.000	.020	.000	.000	.000	.020	.000	.000	.019	.000	.018	.021
Nigeria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Imports from OPEC-South America												
Total.....	.012	.016	.000	.008	.007	.000	.016	.000	.016	.000	.016	.016
Venezuela.....	.012	.016	.000	.008	.007	.000	.016	.000	.016	.000	.016	.016
Imports from OPEC-Far East												
Total.....	.714	.606	.668	.509	.666	.659	.614	.675	.617	.611	.709	.760
Indonesia.....	.714	.606	.668	.509	.666	.659	.614	.675	.617	.611	.709	.760

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. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.9 OECD Europe¹—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992											1993
	Feb	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan
Total Net Imports..	8.919	8.152	8.758	8.393	8.297	8.209	8.648	8.269	8.259	8.534	8.788	8.632
Imports from OPEC ² /	6.858	6.823	6.853	6.477	6.670	6.758	6.754	7.001	6.777	6.995	6.819	7.156
Imports from Persian Gulf ³ /	3.470	3.445	3.888	3.606	3.607	3.531	3.610	3.720	3.628	3.626	3.658	3.892
Total.....	.018	.000	.000	.003	.000	.000	.000	.000	.000	.016	.000	.000
Bahrain.....	.980	.955	1.257	1.056	1.193	1.064	1.151	1.252	1.075	1.254	.883	1.121
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.031	.039	.037	.091	.102	.275	.197	.121	.154	.168	.197	.207
Kuwait.....	.212	.207	.251	.158	.173	.120	.153	.167	.132	.118	.220	.212
U.A.E.....	.011	.000	.000	.000	.000	.000	.012	.011	.000	.000	.040	.002
Qatar.....	.219	2.244	2.343	2.297	2.138	2.072	2.096	2.170	2.268	2.070	2.311	2.349
Saudi Arabia.....												
Imports from OPEC-Africa												
Total.....	3.185	3.026	2.676	2.588	2.756	2.984	2.856	2.966	2.910	3.063	2.908	2.972
Algeria.....	.729	.691	.773	.713	.687	1.083	.806	.813	.813	.769	.718	.663
Gabon.....	.200	.114	.106	.104	.110	.021	.075	.052	.093	.042	.072	.123
Libya.....	1.382	1.354	1.263	1.333	1.326	1.478	1.400	1.406	1.341	1.505	1.311	1.349
Nigeria.....	.874	.868	.534	.438	.633	.402	.574	.695	.663	.747	.807	.837
Imports from OPEC-South America												
Total.....	.220	.337	.289	.286	.282	.243	.288	.297	.239	.304	.218	.274
Venezuela.....	.220	.337	.289	.286	.282	.243	.288	.297	.239	.304	.218	.274
Imports from OPEC-Far East												
Total.....	.000	.015	.000	.000	.024	.000	.001	.018	.000	.018	.035	.018
Indonesia.....	.000	.015	.000	.000	.024	.000	.001	.018	.000	.018	.035	.018

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: 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 3.10 France—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992												1993
	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	
Total Net Imports..	1.765	1.794	1.806	1.871	1.663	1.581	1.682	1.726	1.826	1.740	1.720	1.832	
Imports from OPEC1/	1.045	1.054	1.026	1.067	.945	.911	.879	.951	1.003	.949	.896	1.268	
Imports from Persian Gulf2/													
Total.....	.570	.660	.664	.733	.551	.610	.602	.565	.657	.648	.672	.929	
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.016	.000	.000	
Iran.....	.073	.189	.171	.139	.159	.148	.187	.140	.158	.163	.048	.169	
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Kuwait.....	.000	.019	.002	.060	.023	.093	.066	.000	.000	.000	.000	.000	
U.A.E.....	.039	.033	.011	.033	.032	.031	.000	.057	.036	.000	.084	.113	
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.005	.000	.000	.017	.002	
Saudi Arabia.....	.459	.419	.481	.501	.337	.338	.349	.362	.462	.468	.441	.536	
Imports from OPEC-Africa													
Total.....	.455	.387	.355	.320	.380	.281	.270	.379	.339	.311	.217	.339	
Algeria.....	.135	.120	.130	.143	.089	.071	.104	.123	.120	.070	.055	.075	
Gabon.....	.160	.062	.102	.073	.063	.000	.047	.032	.071	.031	.062	.064	
Libya.....	.061	.077	.081	.066	.123	.123	.110	.080	.107	.071	.002	.116	
Nigeria.....	.098	.127	.042	.038	.105	.087	.009	.143	.040	.138	.099	.084	
Imports from OPEC-South America													
Total.....	.020	.007	.007	.015	.007	.020	.007	.007	.007	.007	.007	.000	
Venezuela.....	.020	.007	.007	.015	.007	.020	.007	.007	.007	.007	.007	.000	
Imports from OPEC-Far East													
Total.....	.000	.000	.000	.000	.006	.000	.000	.000	.000	.000	.000	.000	
Indonesia.....	.000	.000	.000	.000	.006	.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 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 3.11 Germany^{1/}—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992											1993
	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan
Total Net Imports..	2.887	2.801	2.870	2.555	2.488	2.636	2.837	2.796	2.748	2.830	2.733	2.884
Imports from OPEC ^{2/}	1.008	1.012	.916	.869	.934	.849	1.058	1.109	1.031	1.016	.894	.883
Imports from Persian Gulf ^{3/}	.220	.189	.223	.214	.257	.245	.235	.214	.254	.203	.179	.144
Total.....	.031	.018	.016	.010	.029	.026	.036	.002	.039	.037	.003	.010
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.000	.000	.000	.000	.000	.010	.000	.017	.024	.034	.011	.000
U.A.E.....	.001	.001	.000	.001	.000	.000	.000	.015	.002	.001	.002	.002
Qatar.....	.000	.000	.000	.000	.000	.000	.012	.002	.000	.000	.000	.000
Saudi Arabia.....	.189	.169	.206	.203	.228	.208	.187	.179	.189	.131	.163	.132
Imports from OPEC-Africa	.668	.693	.546	.539	.514	.452	.697	.780	.644	.668	.607	.615
Total.....	.160	.139	.177	.152	.151	.171	.205	.255	.229	.256	.175	.151
Algeria.....	.009	.019	.004	.000	.000	.000	.000	.019	.012	.000	.000	.014
Gabon.....	.274	.257	.222	.210	.199	.211	.301	.320	.270	.278	.231	.248
Libya.....	.226	.277	.144	.177	.164	.110	.191	.186	.132	.135	.201	.202
Nigeria.....												
Imports from OPEC-South America	.120	.130	.147	.117	.163	.111	.126	.115	.134	.144	.108	.124
Total.....	.120	.130	.147	.117	.163	.111	.126	.115	.134	.144	.108	.124
Venezuela.....												
Imports from OPEC-Far East	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....												

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: 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 3.12 Italy—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

		1992												1993
		Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	
Total Net Imports..	2.089	1.759	1.784	1.735	1.633	1.753	1.642	1.769	1.748	2.112	2.033	1.628	1.628	
Imports from OPEC1/	1.537	1.442	1.274	1.290	1.401	1.255	1.162	1.193	1.198	1.454	1.551	1.293	1.293	
Imports from Persian Gulf2/														
Total.....	.670	.600	.618	.565	.602	.497	.520	.552	.513	.551	.574	.513	.513	
Bahrain.....	.002	.000	.000	.003	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Iran.....	.297	.243	.273	.196	.331	.198	.202	.175	.225	.273	.215	.222	.222	
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Kuwait.....	.004	.012	.007	.019	.000	.000	.000	.019	.000	.027	.000	.008	.008	
U.A.E.....	.030	.039	.000	.027	.000	.000	.000	.000	.000	.000	.000	.029	.029	
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.009	.009	
Saudi Arabia.....	.338	.306	.337	.321	.271	.299	.318	.358	.288	.252	.350	.254	.254	
Imports from OPEC-Africa														
Total.....	.869	.811	.655	.721	.775	.758	.633	.623	.680	.884	.937	.754	.754	
Algeria.....	.190	.162	.139	.083	.116	.124	.044	.119	.135	.150	.193	.152	.152	
Gabon.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Libya.....	.678	.617	.516	.630	.611	.618	.533	.504	.514	.659	.664	.562	.562	
Nigeria.....	.000	.031	.000	.008	.048	.016	.056	.000	.030	.075	.079	.040	.040	
Imports from OPEC-South America														
Total.....	.000	.016	.000	.006	.006	.000	.009	.000	.005	.000	.006	.008	.008	
Venezuela.....	.000	.016	.000	.006	.006	.000	.009	.000	.005	.000	.006	.008	.008	
Imports from OPEC-Far East														
Total.....	.000	.015	.000	.000	.018	.000	.000	.018	.000	.018	.035	.018	.018	
Indonesia.....	.000	.015	.000	.000	.018	.000	.000	.018	.000	.018	.035	.018	.018	

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. o See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.13 OECD1/ Imports from Kuwait (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992												1993
	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	
Total.....	0.128	0.161	0.206	0.288	0.290	0.522	0.569	0.496	0.594	0.615	0.734	0.763	
United States2/.....	.000	.000	.000	.000	.000	.058	.066	.070	.137	.117	.165	.109	
OECD Europe3/.....	.031	.039	.037	.091	.102	.275	.197	.121	.154	.168	.197	.207	
Main European Importers													
France.....	.000	.019	.002	.060	.023	.093	.066	.000	.000	.000	.081	.108	
Germany4/.....	.000	.000	.000	.000	.000	.010	.000	.017	.024	.034	.011	-	
Italy.....	.004	.012	.007	.019	.000	.000	.000	.019	.000	.027	.000	.008	
Spain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	-	
Netherlands.....	.000	.000	.000	.000	.060	.074	.025	.065	.032	.025	.067	.032	
European Net Exporters													
United Kingdom....	.027	.008	.000	.001	.000	.058	.055	.000	.078	.063	.030	.030	
Smaller European Importers													
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Belgium.....	.000	.000	.000	.000	.000	.029	.033	.010	.000	.000	.000	.002	
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Greece.....	.000	.000	.019	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Portugal.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Turkey.....	.000	.000	.008	.011	.019	.011	.016	.010	.020	.020	.008	.027	
Japan.....	.096	.122	.169	.197	.185	.192	.304	.301	.304	.328	.372	.412	
Other OECD.....	.000	.000	.000	.000	.002	-.003	.002	.004	.000	.000	.000	.035	

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.

Sources for Section 3 (International Oil Imports)

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1991 and Petroleum Supply Monthly, April 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/}	Indonesia	Iran
1970 Average....	1,029	1,549	2,990	3,318	362	3,799	780	13,827	854	3,829
1971 Average....	1,785	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	1,023	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 Average P..	1,217	400	1,029	1,483	396	8,438	2,325	15,288	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 Barrel per Day)

	Nigeria	Venezuela	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	3,550	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	57,244
1977 Average	2,085	2,238	31,115	1,321	981	768	8,245	1,874	10,603	4,799	59,707
1978 Average	1,807	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	1,441	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	24,897	1,598	2,668	1,825	7,153	2,838	8,388	10,820	60,187

^{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 /	OAEPC 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	1,696	1,001	1,183	1,344	5,059

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

²/See Appendix A for countries in this group.

³/OAEPC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in this group.

P=Feliminary.

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.....	E9,744	17,092	18,056	26,297	66,893

^{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	R288	R119	R1,182	1,617	119	R613	65	R3,595
1992 December P....	145	174	306	114	1,216	1,592	109	609	67	3,593

^{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, 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. R=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	OECD Including East Germany
1970 Average...	1,937	1,710	2,607	2,096	12,404	14,697	1,516	3,817	836	33,270	33,493
1971 Average...	2,115	1,838	2,702	2,141	13,005	15,213	1,565	4,142	831	34,755	34,993
1972 Average...	2,322	1,947	2,859	2,284	13,934	16,367	1,664	4,363	948	37,275	37,545
1973 Average...	2,601	2,068	3,055	2,341	14,925	17,308	1,729	4,949	988	39,900	40,182
1974 Average...	2,447	2,004	2,748	2,210	13,988	16,653	1,779	4,864	1,095	38,379	38,686
1975 Average...	2,252	1,855	2,650	1,911	13,217	16,322	1,779	4,621	1,041	36,980	37,287
1976 Average...	2,420	1,971	2,877	1,892	14,124	17,461	1,818	4,837	1,119	39,358	39,687
1977 Average...	2,294	1,897	2,865	1,905	13,916	18,431	1,850	4,880	1,160	40,237	40,584
1978 Average...	2,408	1,952	2,927	1,938	14,290	18,847	1,902	4,945	1,204	41,187	41,550
1979 Average...	2,463	2,039	3,003	1,971	14,667	18,513	1,971	5,050	1,178	41,379	41,748
1980 Average...	2,256	1,934	2,707	1,725	13,634	17,056	1,873	4,960	1,072	38,595	38,970
1981 Average...	2,023	1,874	2,449	1,590	12,515	16,058	1,768	4,848	1,080	36,269	36,624
1982 Average...	1,880	1,781	2,372	1,590	12,053	15,296	1,578	4,582	1,008	34,517	34,888
1983 Average...	1,835	1,750	2,324	1,531	11,765	15,231	1,448	4,395	954	33,793	34,129
1984 Average...	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500	34,840
1985 Average...	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271	34,633
1986 Average...	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279	35,641
1987 Average...	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911	36,253
1988 Average...	1,797	1,836	2,422	1,697	12,427	17,238	1,693	4,752	939	37,093	37,415
1989 Average...	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570	37,871
1990 Average...	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475	37,758
1991 Average...	R1,935	R1,863	R2,828	R1,801	R13,390	16,714	R1,608	R5,409	R1,052	NA	R38,174
1992 Average...	1,935	1,935	2,849	1,803	13,605	17,006	1,636	5,480	1,035	NA	38,763

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

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.

P=Preliminary. R=Revised data. NA=Not Available.

Sources: See end of Section 4.

Table 4.6 OECD1/Total Net 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
Total	17.760	16.532	16.962	15.878	17.670	18.008	18.706	20.082	20.501	20.521	20.831
United States ^{2/}	4.298	4.312	4.715	4.286	5.439	5.914	6.587	7.202	7.161	6.626	6.895
Canada.....	-126	-284	-309	-419	-391	-358	-585	-462	-380	-475	-540
OECD Europe ^{3/}	8.663	7.781	7.675	7.381	7.893	7.742	7.774	7.994	8.210	8.593	8.446
Main European Importers											
France.....	1.791	1.667	1.724	1.654	1.682	1.742	1.718	1.711	1.750	1.869	1.747
Germany ^{4/}	2.114	2.087	2.115	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.755
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	.690	.691
Spain.....	.964	.954	.855	.802	.747	.803	.869	.952	.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.....	-.600	-.906	-.829	-1.035	-1.067	-1.015	-.760	-.200	-.214	-.156	-.215
Smaller European Importers											
Austria.....	.172	.167	.176	.174	.188	.194	.185	.191	.201	.212	.212
Belgium.....	.437	.396	.374	.382	.456	.443	.451	.454	.442	.505	.518
Denmark.....	.192	.173	.165	.166	.150	.122	.107	.078	.063	.048	.032
Ireland.....	.091	.084	.081	.078	.098	.081	.076	.079	.095	.094	.097
Finland.....	.206	.212	.229	.207	.242	.242	.220	.220	.208	.211	.178
Greece.....	.207	.197	.197	.210	.245	.230	.242	.252	.273	.297	.327
Iceland.....	.010	.010	.010	.011	.011	.013	.012	.011	.011	.012	.011
Luxembourg.....	.022	.021	.021	.023	.024	.028	.028	.031	.034	.039	.040
Portugal.....	.184	.183	.185	.166	.183	.199	.198	.246	.250	.259	.278
Sweden.....	.394	.365	.300	.349	.379	.309	.313	.290	.324	.312	.348
Switzerland.....	.233	.259	.252	.257	.290	.254	.258	.254	.273	.273	.277
Turkey.....	.282	.304	.302	.310	.342	.402	.397	.384	.425	.366	.413
Japan.....	4.446	4.384	4.531	4.308	4.392	4.418	4.680	5.035	5.239	5.381	5.479
Other OECD.....	.478	.338	.350	.322	.338	.291	.250	.313	.270	.396	.551

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 4.7 OECD₁/Imports from OPEC₂/ 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
Total.....	12.979	11.302	11.378	10.531	12.408	12.414	13.115	14.602	15.675	15.658	15.883
United States ₃ /.....	2.099	1.790	1.987	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.001
Canada.....	.200	.152	.137	.128	.158	.155	.162	.205	.199	.210	.194
OECD Europe ₄ /.....	6.815	5.721	5.548	5.395	6.163	5.628	5.873	6.205	6.656	6.827	6.806
Main European Importers											
France.....	1.281	1.009	.961	.884	.948	.684	.737	.875	1.101	1.101	.979
Germany ₅ /.....	1.007	.868	.807	.787	.831	.679	.761	.739	.776	.871	.964
Italy.....	1.409	1.214	1.199	1.205	1.362	1.307	1.192	1.261	1.375	1.399	1.344
Netherlands.....	.535	.538	.584	.568	.771	.773	.875	.905	.862	.928	.902
Spain.....	.701	.615	.595	.553	.600	.564	.608	.689	.655	.702	.637
European Net Exporters											
Norway.....	.013	.007	.006	.005	.008	.002	.002	.003	.007	.014	.004
United Kingdom.....	.461	.310	.282	.308	.328	.277	.323	.342	.406	.377	.390
Smaller European Importers											
Austria.....	.080	.062	.081	.087	.090	.087	.082	.086	.097	.108	.116
Belgium.....	.361	.231	.197	.159	.288	.257	.302	.353	.313	.331	.333
Denmark.....	.030	.039	.049	.035	.025	.025	.067	.069	.044	.006	.001
Ireland.....	.004	.001	-	.000	.001	.001	-	-	.000	.000	.000
Finland.....	.034	.025	.020	.037	.021	.023	.011	.013	.013	.029	.036
Greece.....	.260	.206	.208	.197	.273	.279	.233	.244	.343	.298	.344
Portugal.....	.135	.134	.116	.113	.120	.101	.118	.156	.166	.139	.148
Sweden.....	.134	.079	.036	.051	.086	.062	.074	.064	.073	.105	.144
Switzerland.....	.065	.077	.075	.075	.068	.069	.051	.021	.038	.052	.051
Turkey.....	.303	.308	.332	.331	.344	.411	.439	.384	.388	.365	.412
Japan.....	3.388	3.260	3.372	2.983	3.036	3.198	3.309	3.789	4.070	4.126	4.303
Other OECD.....	.477	.378	.334	.268	.301	.408	.316	.367	.513	.493	.579

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/ 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 4.8 OECD 1/Imports from Persian Gulf2/ 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											
Imports from Persian Gulf											
Total.....	8.052	6.515	6.454	5.585	7.228	7.392	7.941	9.121	9.667	9.294	9.521
United States3/...	.691	.436	.502	.304	.909	1.072	1.526	1.857	1.961	1.835	1.770
Canada.....	.065	.052	.008	.011	.054	.054	.056	.069	.081	.084	.088
OECD Europe4/.....	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.908	3.630	3.616
Main European Importers											
France.....	.856	.587	.493	.476	.586	.459	.484	.647	.864	.708	.628
Germany5/.....	.475	.288	.242	.152	.232	.187	.197	.216	.217	.227	.215
Italy.....	.902	.746	.671	.583	.817	.782	.643	.619	.626	.595	.573
Netherlands.....	.342	.279	.345	.294	.509	.516	.587	.663	.647	.609	.624
Spain.....	.488	.399	.377	.264	.328	.295	.306	.352	.291	.281	.232
European Net Exporters											
Norway.....	.009	.005	.006	.003	.006	.002	—	—	.000	.011	.000
United Kingdom...	.323	.176	.144	.144	.173	.164	.212	.240	.250	.222	.220
Smaller European Importers											
Austria.....	.044	.026	.024	.023	.011	.026	.025	.022	.016	.021	.030
Belgium.....	.235	.104	.094	.088	.182	.162	.224	.277	.250	.248	.266
Denmark.....	.023	.031	.042	.022	.024	.047	.063	.067	.043	.004	.000
Ireland.....	.004	.001	—	.000	—	—	—	—	—	—	—
Finland.....	.033	.025	.020	.037	.021	.022	.011	.012	.011	.021	.026
Greece.....	.187	.132	.143	.122	.204	.211	.146	.181	.268	.219	.290
Portugal.....	.107	.097	.081	.076	.088	.069	.066	.085	.073	.067	.075
Sweden.....	.054	.017	.005	.006	.036	.029	.045	.043	.039	.064	.080
Switzerland.....	.020	.013	.012	.006	.008	.008	.007	.007	.007	.007	.007
Turkey.....	.233	.239	.268	.265	.289	.348	.411	.323	.307	.324	.349
Japan.....	2.674	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394	3.444	3.671
Other OECD.....	.288	.225	.204	.176	.195	.299	.241	.267	.322	.301	.377

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, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

5/ 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 4.9 United States^{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...	4.298	4.312	4.715	4.286	5.439	5.914	6.587	7.202	7.161	6.626	6.895
Imports from OPEC ^{2/}	2.099	1.790	1.987	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.001
Imports from Persian Gulf ^{3/}	.691	.436	.502	.304	.909	1.072	1.526	1.857	1.961	1.835	1.770
Total.....	-.001	-.001	-.001	-.001	.001	-.001	.000	-.001	-.001	-.001	-.002
Bahrain.....	.035	.048	.010	.027	.019	.098	.000	.000	.000	.032	.000
Iran.....	.003	.010	.012	.046	.081	.083	.343	.449	.518	.000	.000
Iraq.....	.005	.014	.036	.021	.068	.082	.092	.157	.086	.006	.051
Kuwait.....	.091	.029	.116	.044	.028	.059	.028	.027	.016	.001	.004
U.A.E.....	.007	.000	.005	.000	.013	.000	.000	.002	.004	.000	.001
Qatar.....	.551	.336	.324	.168	.685	.751	1.063	1.224	1.339	1.797	1.716
Saudi Arabia.....											
Imports from OPEC-Africa											
Total.....	.750	.598	.598	.536	.737	.867	.934	1.134	1.144	1.040	1.001
Algeria.....	.170	.240	.323	.187	.271	.295	.300	.269	.280	.253	.197
Gabon.....	.041	.059	.058	.052	.026	.037	.016	.050	.064	.084	.124
Libya.....	.026	.000	.001	.004	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.513	.299	.216	.293	.440	.535	.618	.815	.800	.703	.680
Imports from OPEC-South America											
Total.....	.410	.420	.544	.602	.788	.801	.790	.861	1.016	1.020	1.153
Venezuela.....	.410	.420	.544	.602	.788	.801	.790	.861	1.016	1.020	1.153
Imports from OPEC-Far East											
Total.....	.247	.335	.342	.313	.317	.284	.205	.182	.113	.106	.075
Indonesia.....	.247	.335	.342	.313	.317	.284	.205	.182	.113	.106	.075

^{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. Data prior to 1982 not available.

Data for 1991 and 1992 are preliminary.

Sources: See 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	4.384	4.531	4.308	4.392	4.418	4.680	5.035	5.239	5.381	5.479
Imports from OPEC1/	3.388	3.260	3.372	2.983	3.036	3.198	3.309	3.789	4.070	4.126	4.303
Imports from Persian Gulf2/	2.674	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394	3.444	3.671
Total.....	.013	.024	.024	.026	.034	.037	.036	.042	.037	.037	.030
Bahrain.....	.228	.394	.258	.259	.220	.230	.187	.291	.385	.383	.361
Iran.....	.070	.010	.015	.063	.164	.105	.173	.219	.146	.000	.000
Iraq.....	.100	.156	.231	.215	.278	.347	.341	.458	.291	.014	.221
Kuwait.....	.584	.652	.674	.845	.890	.773	.822	.929	1.032	1.309	1.275
U.A.E.....	.145	.147	.240	.220	.183	.139	.203	.250	.263	.289	.303
Qatar.....	1.534	1.254	1.330	.904	.789	1.005	.930	.984	1.240	1.413	1.481
Saudi Arabia.....											
Imports from OPEC-Africa	.060	.038	.012	.010	.016	.023	.044	.016	.020	.022	.015
Total.....	.055	.038	.012	.010	.015	.023	.044	.015	.010	.010	.007
Algeria.....	.002	-	-	-	-	-	-	.002	.009	.011	.008
Gabon.....	.003	-	-	.001	.001	-	-	-	-	-	-
Libya.....	-	-	-	-	-	-	-	-	.001	.001	.000
Nigeria.....	-	-	-	-	-	-	-	-	-	-	-
Imports from OPEC-South America	.027	.023	.017	.014	.012	.012	.011	.011	.011	.010	.010
Total.....	.027	.023	.017	.014	.012	.012	.011	.011	.011	.010	.010
Venezuela.....											
Imports from OPEC-Far East	.639	.586	.594	.452	.486	.563	.599	.631	.682	.687	.637
Total.....	.639	.586	.594	.452	.486	.563	.599	.631	.682	.687	.637
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 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 4.11 OECD Europe/—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..	8.663	7.781	7.675	7.381	7.893	7.742	7.774	7.994	8.210	8.593	8.446
Imports from OPEC2/	6.815	5.721	5.548	5.395	6.163	5.628	5.873	6.205	6.656	6.827	6.806
Imports from Persian Gulf3/	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.908	3.630	3.616
Total.....	.004	.005	.019	.004	.002	.001	.009	.005	.020	.002	.003
Bahrain.....	.845	.859	.841	.648	.511	.732	.850	1.076	1.190	1.132	1.102
Iran.....	.424	.388	.516	.673	.717	.905	.959	.897	.591	.000	.000
Iraq.....	.180	.251	.324	.356	.456	.469	.474	.452	.346	.019	.121
Kuwait.....	.371	.343	.265	.131	.164	.206	.134	.214	.446	.251	.175
U.A.E.....	.127	.077	.118	.051	.054	.040	.021	.024	.026	.009	.006
Qatar.....	2.383	1.241	.884	.698	1.609	.978	.981	1.086	1.290	2.217	2.208
Saudi Arabia.....											
Imports from OPEC-Africa	2.179	2.228	2.318	2.524	2.398	2.089	2.230	2.241	2.533	2.947	2.912
Total.....	.644	.578	.574	.659	.615	.627	.646	.648	.683	.757	.772
Algeria.....	.052	.062	.067	.077	.090	.031	.031	.017	.024	.129	.095
Gabon.....	.940	.940	.894	.948	.967	.962	1.071	1.044	1.267	1.333	1.364
Libya.....	.543	.647	.783	.841	.727	.469	.481	.532	.559	.729	.682
Nigeria.....											
Imports from OPEC-South America	.299	.324	.267	.307	.252	.208	.220	.212	.227	.249	.272
Total.....	.299	.324	.267	.307	.252	.208	.220	.212	.227	.249	.272
Venezuela.....											
Imports from OPEC-Far East	.008	.010	.015	.008	.002	.002	.005	.004	.008	.002	.009
Total.....	.008	.010	.015	.008	.002	.002	.005	.004	.008	.002	.009
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/ 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. Data prior to 1982 not available.

Data for 1991 and 1992 are preliminary.

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	1.869	1.747
Imports from OPEC1/	1.281	1.009	.961	.884	.948	.684	.737	.875	1.101	1.101	.979
Imports from Persian Gulf2/	.856	.587	.493	.476	.586	.459	.484	.647	.864	.708	.628
Total.....	.001	.003	.001	—	.001	—	.007	.002	.011	.000	.001
Bahrain.....	.078	.085	.068	.082	.065	.088	.012	.158	.182	.171	.149
Iran.....	.030	.041	.072	.138	.109	.151	.143	.128	.062	.000	.000
Iraq.....	.018	.019	.019	.035	.023	.044	.017	.021	.015	.011	.029
Kuwait.....	.134	.130	.089	.054	.035	—	.017	.040	.233	.064	.033
U.A.E.....	.042	.018	.043	.034	.030	.002	.017	.009	.022	.003	.002
Qatar.....	.554	.291	.200	.134	.324	.175	.271	.288	.339	.459	.414
Saudi Arabia.....											
Imports from OPEC-Africa	.397	.394	.451	.387	.344	.212	.249	.218	.233	.376	.340
Total.....	.186	.149	.158	.109	.089	.072	.079	.089	.092	.107	.100
Algeria.....	.025	.011	.025	.043	.065	—	—	—	.000	.080	.066
Gabon.....	.052	.065	.076	.070	.061	.064	.090	.065	.079	.104	.086
Libya.....	.133	.169	.192	.165	.129	.076	.079	.064	.062	.084	.088
Nigeria.....											
Imports from OPEC-South America	.028	.031	.018	.020	.019	.012	.011	.012	.015	.017	.011
Total.....	.028	.031	.018	.020	.019	.012	.011	.012	.015	.017	.011
Venezuela.....											
Imports from OPEC-Far East	.001	—	.000	.002	.000	—	—	.000	.000	.001	.001
Total.....	.001	—	.000	.002	.000	—	—	.000	.000	.001	.001
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 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 Germany1/---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	2.755
Imports from OPEC2/	1.007	.868	.807	.787	.831	.679	.761	.739	.776	.871	.964
Imports from Persian Gulf3/	.475	.288	.242	.152	.232	.187	.197	.216	.217	.227	.215
Total.....	.001	.000	-	.000	-	-	-	-	-	-	-
Bahrain.....	.045	.042	.049	.053	.041	.020	.051	.041	.055	.053	.021
Iran.....	.016	.030	.041	.008	.016	.052	.032	.009	.004	.000	.000
Iraq.....	.013	.029	.026	.021	.021	.017	.013	.022	.013	.000	.008
Kuwait.....	.047	.029	.023	.006	.004	.024	.006	.023	.016	.012	.002
U.A.E.....	.008	.015	.010	-	-	.001	.001	.002	.003	.002	.001
Qatar.....	.345	.142	.093	.064	.151	.072	.095	.119	.125	.161	.182
Saudi Arabia.....											
Imports from OPEC-Africa	.491	.475	.483	.532	.485	.405	.472	.436	.469	.537	.622
Total.....	.119	.104	.086	.130	.137	.146	.141	.106	.098	.126	.185
Algeria.....	.006	.003	.006	.003	.001	.004	-	-	.005	.013	.006
Gabon.....	.233	.218	.200	.201	.152	.160	.237	.235	.244	.262	.252
Libya.....	.133	.150	.191	.197	.195	.095	.095	.095	.123	.136	.179
Nigeria.....											
Imports from OPEC-South America	.042	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128
Total.....	.042	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128
Venezuela.....											
Imports from OPEC-Far East	.000	-	-	.000	.001	.002	-	-	.002	.000	.000
Total.....	.000	-	-	.000	.001	.002	-	-	.002	.000	.000
Indonesia.....											

1/ Data through 1990 are for the former 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: 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/}	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 ^{2/}											
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	.118	.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
Qatar.....	.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 OECD1/ 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 States2/.....	.003	.010	.012	.046	.081	.083	.343	.449	.518	.000	.000
Canada.....	-	-	-	-	-	.010	.001	.013	.011	.000	.000
OECD Europe3/.....	.424	.388	.516	.673	.717	.905	.959	.897	.591	.000	.000
Main European Importers											
France.....	.030	.041	.072	.133	.109	.151	.143	.128	.062	.000	.000
Germany4/.....	.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	0.394
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	.121
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	.008
Italy.....	.072	.087	.108	.132	.147	.142	.118	.093	.063	.000	.007
Netherlands.....	.038	.065	.095	.098	.122	.150	.189	.194	.151	.002	.032
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	.221
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 1991 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 1991.

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, 1980-1992.

Oil Demand

United States: EIA, Petroleum Supply Annual 1991.

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, 1980-1992.

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1991.

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, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States.

Organization for Economic Cooperation and Development (OECD) countries are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States. Total OECD includes the United States Territories.

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

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

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

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

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

Appendix B

Explanatory Notes

Appendix B. Explanatory Notes

Note 1: World Oil Supply

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

Note 2: Oil Stocks

The International Energy Agency (IEA) assembles and reports total oil stock data for the member countries of the Organization for Economic Cooperation and Development (OECD). Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. In its report titled Quarterly Oil Statistics and Energy Balances of OECD Countries, the IEA defines oil stocks as follows: "All non-military stocks held by importers (including all final consumers directly), refiners, Governments, major non-importing final consumers eligible under IEA/OECD commitments and by foreign entities in the following facilities: bulk terminals, refinery tanks, pipeline tankage, barges, intercoastal tankers (when port of departure and destination are in the reporting country), tankers in port (to the extent that their cargo is to be unloaded in the reporting country), and inland ship bunkers. Oil is reported regardless of the ownership of such storage facilities." IEA data exclude "oil held in pipelines, rail and truck tank cars, sea-going ships' bunkers, service stations, retail stores and tankers at sea." Also the IEA defines the United States to be the 50 States and the District of Columbia, and the U.S. Territories (Puerto Rico, Guam, and the U.S. Virgin Islands).

The Energy Information Administration (EIA) does not include the United States Territories in its statistical definition of the United States. Further, the EIA includes oil in oil pipelines as part of its stock data. Tables 1.5, 1.6, 2.3, and 4.4 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of December 1992 United States (including territories) oil stocks totaled 1,448 million barrels.

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

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

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

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

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

Complete monthly data are available for the 23 OECD countries. Annual demand data for all countries (about 200 countries) are presented in EIA's International Energy Annual. In 1990, the OECD accounted for about three-fifths of total world demand, the 25 largest consumers outside of the OECD accounted for about one-third of the world total, and the remaining countries (about 150 countries) accounted for less than one-tenth of the total. The key problem, therefore, is to develop good figures for the 25 largest consumers outside the OECD.

Of these 25 countries, by far the largest consumer is the former Soviet Union, which in 1990 accounted for about one-third of the demand in the group of 25. The next largest consumer is China, which in 1990 accounted for about one-tenth of the demand in the group. Thus in 1990 the former Soviet Union and China accounted for almost half of the demand in the group of 25. For these 2 countries, data are available on oil production and net exports. The demand numbers shown in Section 2 are computed as production minus net exports. This is the same procedure used in the EIA Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other respected publications that deal with international oil markets. Note, however, that this method of computing demand ignores both refinery gain and stock changes.

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

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

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

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

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

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

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

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

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

Summary. Section 2 was expanded from a Market Economies oil balance to a world oil balance. Supply data are tracked for all producing countries. Demand data are tracked for the 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 Annual. The stock levels in these tables are based on reported data for the OECD and for stocks at sea. The line in Table 2.1 labelled "Other Stock Draw and Statistical Discrepancy" is a balancing item.

Appendix C

Glossary

Appendix C. Glossary

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

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

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

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

Lease Condensate. A liquid recovered from natural gas at the well or at small gas/oil separators in the field. Consists primarily of pentanes and heavier hydrocarbons (also called field condensate).

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

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

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

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

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, ethane, liquefied petroleum gases, petrochemical feedstocks, special naphthas, lubricants, paraffin wax, petroleum coke, asphalt road oil, still gas, and other miscellaneous products.

Processing Gain. The amount by which the total volume of refinery output is greater than the volume of input for 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.

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