International Petroleum Statistics Report

June

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International Petroleum Statistics Report

June 1993

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

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

Preface

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

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

The International Petroleum Statistics Report presents data on international oil production, demand, imports, exports, and stocks. The report has four sections. Section 1 contains time series data on world oil production, and on oil demand and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1980, and monthly data for the most recent two years. Section 2 presents an oil supply/demand balance for world. This balance is presented in quarterly intervals for the most recent two years. Section 3 presents data on oil imports by OECD countries. This section contains annual data for the most recent year, quarterly data for the most recent two quarters, and monthly data for the most recent twelve months. Section 4 presents annual time series data on world oil production and oil stocks, demand, and trade in OECD countries. World oil production and OECD demand data are for the years 1970 through 1992; OECD stocks from 1973 through 1992; and OECD trade from 1982 through 1992.

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

General information about this publication may be obtained from W. Calvin Kilgore, Director, Office of Energy Markets and End Use, (202) 586-1617, and from Arthur T. Andersen, Director, Energy Markets and Contingency Information Division, (202) 586-1441. Detailed questions and comments concerning the contents of the International Petroleum Statistics Report may be directed to Louis D. DeMouy, Chief, International Statistics Branch, (202) 586-6557; Michael J. Maloney, Team Leader, Statistics Team, (202) 586-9415, or Patricia A. Smith (202) 586-6925 or to H. Vicky McLaine (202) 586-9412.

Recent International Developments

- o OPEC's (excluding Ecuador) average crude oil production (excluding condensate) for May 1993 was estimated to be 24.5 to 24.6 million barrels per day (MMBD). The largest producers were Saudi Arabia (including a share of the Neutral Zone) (8.0 to 8.1 MMBD), Iran (3.5 to 3.6 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 0.3 MMBD from the first quarter 1992 average. The IEA estimates that oil consumption in the first quarter of 1993 averaged 39.8 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 0.4 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 its membership in the Organization of Petroleum Exporting Countries (OPEC). For consistency, Ecuador is excluded in the historical series of OPEC totals in all tables.

Beginning with the May edition, there were some changes in the factors used by the Energy Information Administration to convert OECD oil data from metric tons to barrels. The new factors were based on revised conversion factors developed by the International Energy Agency. The major changes were 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 were used beginning in 1991.

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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 / Emirates	United Arab Emirates	Arab Members of OPEC ² / Libya	Indo- nesia	Iran
1980 Average.....	1,106	2,514	1,656	472	9,900	1,709	19,144	1,577	1,662
1981 Average.....	1,002	1,000	1,125	405	9,815	1,474	15,961	1,605	1,380
1982 Average.....	987	1,012	823	330	6,483	1,250	12,035	1,339	2,214
1983 Average.....	968	1,005	1,064	295	5,086	1,149	10,672	1,343	2,440
1984 Average.....	1,014	1,209	1,157	394	4,663	1,146	10,670	1,412	2,174
1985 Average.....	1,037	1,433	1,023	301	3,388	1,193	9,434	1,325	2,250
1986 Average.....	945	1,690	1,419	308	4,870	1,330	11,596	1,390	2,035
1987 Average.....	1,048	2,079	1,585	293	4,265	1,541	11,783	1,343	2,298
1988 Average.....	1,040	2,685	1,492	346	5,086	1,565	13,389	1,342	2,240
1989 Average.....	1,095	2,897	1,783	380	5,064	1,860	14,229	1,409	2,810
1990 Average.....	1,175	2,040	1,175	406	6,410	2,117	14,698	1,462	3,088
1991 Average.....	1,230	298	187	390	8,181	2,447	14,216	1,613	3,334
1992 January.....	1,230	R450	565	350	8,790	2,435	R15,370	1,580	3,500
February.....	1,230	R450	630	325	8,640	2,425	R15,250	1,605	3,500
March.....	1,230	R450	735	375	8,260	2,300	R14,800	1,630	3,350
April.....	1,230	R450	863	375	8,213	2,300	R14,930	1,605	3,250
May.....	1,210	R450	915	375	8,265	2,300	R14,965	1,530	3,250
June.....	1,210	R450	1,015	375	8,315	2,275	R15,090	1,560	3,250
July.....	1,210	R450	1,080	400	8,350	2,300	R15,240	1,550	3,300
August.....	1,210	R450	1,130	425	8,400	2,330	R15,370	1,540	3,450
September.....	1,210	R450	1,200	425	8,450	2,320	R15,530	1,550	3,450
October.....	1,210	R450	1,280	440	8,505	2,310	R15,695	1,550	3,650
November.....	1,210	R450	1,375	440	8,500	2,305	R15,780	1,550	3,650
December.....	1,210	R450	1,550	440	8,575	2,305	R16,030	1,550	3,550
1992 Average.....	1,217	R450	1,029	396	8,438	2,325	R15,338	1,566	3,429
1993 January.....	1,210	R500	1,675	450	8,500	2,295	R16,110	1,550	3,650
February.....	1,210	R500	1,865	430	8,440	2,305	R16,175	1,530	3,750
March.....	1,200	R500	1,650	400	8,300	2,270	R15,670	1,500	3,700
April.....	1,200	500	1,645	400	8,245	2,270	15,610	1,480	3,500
1993 Average.....	1,205	500	1,705	420	8,371	2,285	15,887	1,515	3,649

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 April 1993, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 290 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	R25,100	1,585	2,675	1,920	R7,361	2,830	9,115	10,821	R61,407
February.....	1,925	2,340	R24,880	1,560	2,665	1,905	R7,389	2,865	8,650	10,670	R60,584
March.....	1,900	2,190	R24,170	1,620	2,680	1,755	R7,348	2,835	8,760	10,744	R59,912
April.....	1,925	2,190	R24,205	1,535	2,680	1,835	R7,293	2,855	9,025	10,838	R60,266
May.....	1,925	2,290	R24,265	1,510	2,660	1,700	R7,169	2,835	8,455	10,566	R59,160
June.....	1,925	2,290	R24,420	1,560	2,680	1,545	R7,167	2,830	8,440	10,758	R59,400
July.....	1,975	2,290	R24,660	1,630	2,660	1,780	R7,131	2,825	8,365	10,818	R59,869
August.....	2,000	2,340	R25,005	1,675	2,685	1,825	R6,922	2,815	8,130	10,802	R59,858
September.....	2,025	2,390	R25,245	1,620	2,685	1,830	R7,030	2,860	7,980	10,873	R60,123
October.....	2,050	2,440	R25,685	1,665	2,655	1,930	R7,126	2,875	7,965	11,017	R60,918
November.....	2,050	2,440	R25,770	1,640	2,640	1,945	R7,024	2,845	7,910	10,847	R60,621
December.....	2,100	2,415	R25,945	1,575	2,655	1,935	R7,103	2,785	7,870	11,074	R60,942
1992 Average.....	1,982	2,334	R24,947	1,598	2,668	1,825	R7,171	2,838	8,388	10,820	R60,255
1993 January.....	2,125	2,410	R26,145	1,570	2,605	1,810	E7,008	2,885	7,800	10,711	R60,534
February.....	2,105	2,390	R26,250	R1,610	2,610	1,930	E6,957	2,875	7,785	R10,886	R60,903
March.....	2,075	2,340	R25,585	R1,635	R2,635	1,710	RE6,976	R2,885	R7,685	R11,125	R60,236
April.....	2,025	2,340	25,255	1,635	2,625	1,695	PE6,904	2,885	7,595	11,168	59,762
1993 Average.....	2,082	2,370	25,802	1,612	2,619	1,783	PE6,962	2,883	7,716	10,973	60,350

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	298	187	1,483	1,832	390	8,181	2,387	2,338	22,958
1992 January...	800	285	1,400	3,500	R450	565	1,550	1,900	350	8,790	2,385	2,350	R24,325
February...	800	260	1,425	3,500	R450	630	1,550	1,850	325	8,640	2,375	2,300	R24,105
March.....	800	300	1,450	3,350	R450	735	1,450	1,825	375	8,260	2,250	2,150	R23,395
April.....	800	305	1,425	3,250	R450	863	1,500	1,850	375	8,213	2,250	2,150	R23,430
May.....	780	305	1,350	3,250	R450	915	1,450	1,850	375	8,265	2,250	2,250	R23,490
June.....	780	305	1,380	3,250	R450	1,015	1,450	1,850	375	8,315	2,225	2,250	R23,645
July.....	780	305	1,370	3,300	R450	1,080	1,450	1,900	400	8,350	2,250	2,250	R23,885
August.....	780	305	1,360	3,450	R450	1,130	1,425	1,925	425	8,400	2,280	2,300	R24,230
September...	780	300	1,370	3,450	R450	1,200	1,475	1,950	425	8,450	2,270	2,350	R24,470
October...	780	300	1,370	3,650	R450	1,280	1,500	1,975	440	8,505	2,260	2,400	R24,910
November...	780	300	1,370	3,650	R450	1,375	1,500	1,975	440	8,500	2,255	2,400	R24,995
December...	780	300	1,370	3,550	R450	1,550	1,500	2,000	440	8,575	2,255	2,375	R25,145
1992 Average...	787	298	1,386	3,429	R450	1,029	1,483	1,904	396	8,438	2,275	2,294	R24,169
1993 January...	780	300	1,370	3,650	R500	1,675	1,480	2,000	450	8,500	2,245	2,370	R25,320
February...	780	300	1,350	3,750	R500	1,865	1,425	1,980	430	8,440	2,255	2,350	R25,425
March.....	770	300	1,320	3,700	R500	1,650	1,350	1,950	400	8,300	2,220	2,300	R24,760
April.....	770	300	1,300	3,500	500	1,645	1,350	1,900	400	8,245	2,220	2,300	24,430
1993 Average...	775	300	1,335	3,649	500	1,705	1,401	1,957	420	8,371	2,235	2,330	24,977

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 April 1993, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 290 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	R1,688	1,035	1,217	1,390	R5,133
February.....	140	450	460	740	525	R1,696	1,025	1,207	1,380	R5,125
March.....	140	465	460	710	525	R1,694	990	1,172	1,330	R5,073
April.....	140	450	460	705	525	R1,693	985	1,167	1,325	R5,072
May.....	140	410	440	710	525	R1,695	990	1,172	1,330	R4,994
June.....	140	420	445	710	525	1,701	990	1,172	1,330	5,011
July.....	140	435	440	715	525	R1,683	995	1,177	1,335	R5,027
August.....	140	435	430	715	525	R1,638	995	1,177	1,335	R4,982
September.....	140	420	440	720	525	1,660	1,000	1,182	1,340	4,980
October.....	140	430	450	725	525	R1,722	1,005	1,187	1,345	R5,102
November.....	140	420	440	720	525	R1,754	1,000	1,182	1,340	R5,119
December.....	140	420	440	725	525	R1,744	1,005	1,187	1,345	R5,104
1992 Average.....	140	435	446	720	525	R1,697	1,001	1,183	1,344	R5,060
1993 January.....	140	425	455	725	525	1,728	1,005	1,187	1,355	5,103
February.....	140	425	R450	720	525	1,761	1,000	1,182	1,350	R5,141
March.....	140	440	R450	710	525	R1,799	990	1,172	1,340	R5,164
April.....	140	440	450	710	525	E1,818	990	1,172	1,340	5,183
1993 Average.....	140	433	451	716	525	E1,777	996	1,178	1,346	5,147

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	16,658	23,532	65,853
1990 Average.....	9,677	16,249	17,232	24,807	66,721
1991 Average.....	9,883	15,886	16,907	25,112	66,761
1992 January.....	R9,937	R17,202	R18,159	R26,547	R68,181
February.....	R9,908	R17,072	R18,033	R26,317	R67,286
March.....	R9,841	R16,537	R17,554	R25,557	R66,537
April.....	R9,828	R16,509	R17,696	R25,587	R66,933
May.....	R9,751	R16,619	R17,741	R25,652	R65,795
June.....	R9,753	R16,743	R17,845	R25,807	R66,049
July.....	R9,795	R16,948	R17,990	R26,052	R66,630
August.....	R9,431	R17,252	R18,124	R26,397	R66,465
September.....	R9,654	R17,367	R18,284	R26,642	R66,819
October.....	R9,708	R17,712	R18,474	R27,087	R67,633
November.....	R9,768	R17,792	R18,549	R27,167	R67,483
December.....	R9,851	R17,947	R18,814	R27,347	R67,802
1992 Average.....	R9,768	R17,142	R18,106	R26,347	R66,968
1993 January.....	E9,957	R18,147	R18,889	R27,557	R67,611
February.....	E9,646	R18,362	R18,954	R27,657	R67,725
March.....	RE9,674	R17,882	R18,449	R26,982	R67,052
April.....	PE9,823	17,622	18,389	26,652	66,799
1993 Average.....	PE9,778	17,997	18,666	27,206	67,290

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

^{2/}U.S. geographic coverage is the 50 States and the District of Columbia. Beginning in 1993, oxygenate production from merchant MTBE plants are also included.

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

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

See Appendix A for countries in this group.

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

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

Sources: See end of Section 1.

Table 1.5 Oil Stocks^{1/} in OECD Countries, End of Period
(Million Barrels)

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}	Total OECD
1980 December.....	243	170	319	168	1,464	1,392	164	495	72	3,587
1981 December.....	214	167	297	143	1,337	1,484	161	482	67	3,531
1982 December.....	193	179	272	125	1,258	1,430	136	484	68	3,376
1983 December.....	153	149	249	118	1,142	1,454	121	470	68	3,255
1984 December.....	152	159	239	112	1,130	1,556	128	479	69	3,362
1985 December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986 December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987 December.....	127	169	259	121	1,130	1,607	126	540	72	3,474
1988 December.....	140	155	266	112	1,118	1,597	116	538	71	3,440
1989 December.....	138	164	271	118	1,133	1,581	114	577	71	3,476
1990 December.....	140	172	265	112	1,163	1,621	121	590	73	3,568
1991 December.....	153	160	288	119	1,182	1,617	119	R607	65	R3,589
1992										
January.....	148	157	293	116	1,157	R1,610	117	R601	68	R3,553
February.....	145	162	303	118	1,171	R1,588	R111	R596	66	R3,532
March.....	142	159	303	115	1,152	R1,571	108	R586	66	R3,483
April.....	140	155	307	115	1,162	R1,583	108	R578	62	R3,493
May.....	147	161	311	115	1,179	R1,602	R106	R588	63	R3,538
June.....	148	157	307	114	1,180	R1,603	R112	R583	69	R3,547
July.....	146	156	299	120	1,172	1,620	110	R586	67	R3,555
August.....	150	159	303	117	1,201	1,621	R113	R604	69	R3,608
September.....	148	155	299	112	1,181	R1,636	110	R608	69	R3,605
October.....	148	166	302	113	1,199	1,640	108	R613	69	R3,630
November.....	149	172	306	116	R1,205	R1,636	110	R611	71	R3,633
December.....	145	174	306	114	1,216	1,592	109	R602	67	R3,586
1993										
January.....	148	171	R319	120	R1,220	1,611	R110	R614	69	R3,625
February.....	142	163	311	120	1,191	1,595	106	607	69	3,567

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.....	375	227	602
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.....	2,721	865	3,586

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	951	33,793
1984 Average....	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500
1985 Average....	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271
1986 Average....	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279
1987 Average....	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911
1988 Average....	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093
1989 Average....	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570
1990 Average....	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475
1991 Average....	1,935	1,863	2,828	1,801	13,390	16,714	1,621	R5,284	1,052	R38,061
1992										
January....	2,175	2,237	2,968	1,832	14,420	R17,012	R1,638	R5,685	R1,011	R39,766
February....	R2,158	R2,148	2,814	R1,818	R14,096	R16,893	R1,650	R6,250	R1,043	R39,933
March....	R1,985	R1,871	2,809	1,818	R13,713	R16,825	R1,620	R5,777	1,053	R38,988
April....	R1,994	1,891	2,893	1,858	R13,672	R16,764	R1,581	R5,119	1,042	R38,178
May....	R1,611	R1,670	2,588	1,694	R12,328	R16,485	R1,567	R4,750	R1,003	R36,132
June....	R1,847	1,801	2,699	1,725	R13,069	R16,978	R1,616	R4,848	1,086	R37,597
July....	R1,962	1,900	3,029	1,804	R13,680	R17,143	R1,642	R5,019	1,027	R38,511
August....	R1,757	1,655	2,829	1,699	R12,915	R16,929	R1,676	R4,856	1,045	R37,322
September..	R1,971	2,003	3,072	1,870	R14,220	R16,876	R1,655	R5,052	1,022	R38,849
October....	R1,962	1,930	2,778	1,825	R13,495	R17,448	R1,722	R5,258	1,022	R38,945
November....	1,890	2,053	2,848	1,852	R13,814	R17,091	R1,731	R5,501	1,059	R39,196
December....	2,001	2,076	2,862	1,839	R13,978	R17,928	R1,687	R6,146	1,089	R40,827
Average....	R1,942	1,935	2,849	R1,802	R13,613	R17,033	R1,649	R5,353	1,035	R38,683
1993										
January....	1,948	1,857	R2,518	1,720	R12,986	16,502	R1,589	R5,776	R1,004	R37,857
February....	2,136	2,105	2,997	1,863	14,375	17,577	1,764	6,153	1,124	40,993

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, May 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, May 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, May 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					
		Average		Quarter				Quarter					
				First	Second	Third	Fourth	Annual Average	First	Second	Third	Fourth	Annual Average
Supply1/ OECD													
United States2/.....	9.88	9.68	9.88	9.90	9.78	9.63	9.78	9.77	9.76	NA	NA	NA	NA
Other OECD.....	7.11	7.35	7.56	7.95	7.59	7.83	8.13	7.87	7.85	NA	NA	NA	NA
Total OECD.....	16.99	17.03	17.44	17.84	17.37	17.46	17.90	17.64	17.61	NA	NA	NA	NA
Non-OECD													
OPEC.....	23.53	24.81	25.11	26.14	25.68	26.36	27.20	26.35	27.39	NA	NA	NA	NA
Former USSR.....	12.14	11.40	10.41	9.37	9.16	8.69	8.44	8.91	8.28	NA	NA	NA	NA
Other Non-OECD.....	13.19	13.48	13.79	13.99	14.04	14.13	14.10	14.06	14.17	NA	NA	NA	NA
Total Non-OECD.....	48.87	49.69	49.32	49.50	48.88	49.18	49.74	49.32	49.84	NA	NA	NA	NA
Total World Supply.....	65.85	66.72	66.76	67.34	66.25	66.64	67.64	66.97	67.45	NA	NA	NA	NA
Demand3/ OECD													
United States2/.....	17.33	16.99	16.71	16.91	16.74	16.98	17.49	17.03	NA	NA	NA	NA	NA
Other OECD.....	20.24	20.49	21.35	22.64	20.55	21.24	22.17	21.65	NA	NA	NA	NA	NA
Total OECD.....	37.57	37.47	38.06	39.55	37.29	38.22	39.66	38.68	NA	NA	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	NA	NA
Former USSR.....	8.74	8.39	8.20	7.96	7.04	6.24	6.11	6.84	NA	NA	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	NA	NA
Total Non-OECD.....	28.46	28.68	28.62	29.35	28.04	27.20	28.46	28.26	NA	NA	NA	NA	NA
Total World Demand.....	66.03	66.15	66.68	68.90	65.33	65.42	68.12	66.94	NA	NA	NA	NA	NA
Stock Draws / Discrepancy													
Net Reported Stock Draws4/													
U. S. Commercial.....	.10	-.09	-.04	.51	-.34	-.35	.52	.08	NA	NA	NA	NA	NA
U. S. Strategic.....	-.05	-.02	.05	.00	-.01	-.01	-.04	-.02	NA	NA	NA	NA	NA
Other OECD.....	-.14	-.14	-.07	.66	-.36	-.26	-.28	-.06	NA	NA	NA	NA	NA
For Export & Afloat.....	.00	-.05	-.07	.22	-.05	-.60	.00	-.11	NA	NA	NA	NA	NA
Commr. Floating Storage.....	.05	-.18	.15	.11	-.05	.00	.00	.01	NA	NA	NA	NA	NA
Total Reported Draws.....	-.04	-.49	.03	1.50	-.82	-1.22	.20	-.09	NA	NA	NA	NA	NA
Other Stock Draws and Statistical Discrepancy5/	.22	-.08	-.10	.07	-.11	.01	.28	.06	NA	NA	NA	NA	NA

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

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

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.

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

	1989	1990	1991	1992				1993							
				Quarter				Quarter							
				Average	First	Second	Third	Fourth	Annual Average	First	Second	Third	Fourth	Annual Average	
OECD															
United States2/...	9.88	9.68	9.88	9.90	9.78	9.63	9.78	9.77	9.76	NA	NA	NA	NA	NA	NA
Canada.....	2.03	2.02	2.04	2.10	2.01	2.12	2.10	2.08	2.08	NA	NA	NA	NA	NA	NA
North Sea.....	3.73	3.85	4.04	4.38	4.10	4.24	4.58	4.32	4.34	NA	NA	NA	NA	NA	NA
Other OECD.....	1.35	1.47	1.48	1.47	1.48	1.47	1.45	1.47	1.43	NA	NA	NA	NA	NA	NA
Total OECD.....	16.99	17.03	17.44	17.84	17.37	17.46	17.90	17.64	17.61	NA	NA	NA	NA	NA	NA
Non-OECD															
OPEC															
Crude															
Algeria.....	1.09	1.17	1.23	1.23	1.22	1.21	1.21	1.22	1.21	NA	NA	NA	NA	NA	NA
Gabon.....	.21	.27	.29	.28	.30	.30	.30	.30	.30	NA	NA	NA	NA	NA	NA
Indonesia.....	1.41	1.46	1.61	1.60	1.56	1.55	1.55	1.57	1.53	NA	NA	NA	NA	NA	NA
Iran.....	2.81	3.09	3.33	3.45	3.25	3.40	3.62	3.43	3.70	NA	NA	NA	NA	NA	NA
Iraq.....	2.90	2.04	.30	.45	.45	.45	.45	.45	.50	NA	NA	NA	NA	NA	NA
Kuwait.....	1.78	1.17	.19	.64	.93	1.14	1.40	1.03	1.73	NA	NA	NA	NA	NA	NA
Libya.....	1.15	1.38	1.48	1.52	1.47	1.45	1.50	1.48	1.42	NA	NA	NA	NA	NA	NA
Nigeria.....	1.72	1.81	1.89	1.93	1.92	2.00	2.07	1.98	2.10	NA	NA	NA	NA	NA	NA
Qatar.....	.38	.41	.39	.35	.38	.42	.44	.40	.43	NA	NA	NA	NA	NA	NA
Saudi Arabia..	5.06	6.41	8.18	8.56	8.26	8.40	8.53	8.44	8.41	NA	NA	NA	NA	NA	NA
United Arab Emirates...	1.86	2.12	2.45	2.39	2.29	2.32	2.31	2.33	2.29	NA	NA	NA	NA	NA	NA
Venezuela.....	1.91	2.14	2.37	2.31	2.26	2.34	2.43	2.33	2.38	NA	NA	NA	NA	NA	NA
Natural Gas															
Plant Liquids	1.19	1.28	1.34	1.37	1.33	1.34	1.34	1.34	1.35	NA	NA	NA	NA	NA	NA
Processing Gain.	.07	.06	.05	.06	.06	.06	.06	.06	.06	NA	NA	NA	NA	NA	NA
Total OPEC.....	23.53	24.81	25.11	26.14	25.68	26.36	27.20	26.35	27.39	NA	NA	NA	NA	NA	NA
Former USSR.....	12.14	11.40	10.41	9.37	9.16	8.69	8.44	8.91	8.28	NA	NA	NA	NA	NA	NA
China.....	2.76	2.77	2.80	2.84	2.84	2.83	2.83	2.84	2.88	NA	NA	NA	NA	NA	NA
Mexico.....	2.93	3.01	3.16	3.16	3.15	3.14	3.12	3.14	3.10	NA	NA	NA	NA	NA	NA
Other Non-OECD.....	7.51	7.70	7.83	7.99	8.05	8.16	8.14	8.08	8.19	NA	NA	NA	NA	NA	NA
Total Non-OECD.....	48.87	49.69	49.32	49.50	48.88	49.18	49.74	49.32	49.84	NA	NA	NA	NA	NA	NA
Total Supply.....	65.85	66.72	66.76	67.34	66.25	66.64	67.64	66.97	67.45	NA	NA	NA	NA	NA	NA

^{1/}Supply includes crude oil (including lease condensate), natural gas plant liquids, (except for individual OPEC countries), other hydrogen and hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and processing gain (except for individual OPEC countries).

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

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

NA=Not Available.

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

Sources: See end of Section 2.

Table 2.3 Oil Stocks¹/, End of Period
(Million Barrels)

	1989			1990			1991			1992		
	Year End											
							Quarter					
	First	Second	Third	Fourth	First	Second	Third	Fourth	First	Second	Third	Fourth
OECD												
United States ² /												
Commercial.....	1,001	1,035	990	1,066	1,094	1,048	1,002	1,033	1,065	1,017		
Strategic.....	580	586	568	569	569	570	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	112	110	109		
Japan.....	577	590	593	590	622	607	586	583	608	602		
OECD Europe												
France.....	138	140	142	144	150	153	142	148	148	145		
Germany.....	271	265	280	274	287	288	303	307	299	306		
Italy.....	164	172	178	173	170	160	159	157	155	174		
United Kingdom.....	118	112	124	118	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	1,161	1,195	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	3,521	3,564	3,671	3,589	3,483	3,547	3,605	3,586		
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.

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.

NA=Not Available.

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

Sources: See end of Section 2.

Table 2.4 World Oil Demand^{1/}
(Million Barrels Per Day)

	1989	1990	1991	1992				1993							
				Quarter				Quarter							
				Average	First	Second	Third	Fourth	Annual	First	Second	Third	Fourth	Annual	
OECD															
United States ^{2/}	17.33	16.99	16.71	16.91	16.74	16.98	17.49	17.03		NA	NA	NA	NA	NA	NA
U. S. Territories.....	.21	.21	.24	.23	.22	.20	.21	.21		NA	NA	NA	NA	NA	NA
Canada.....	1.73	1.69	1.62	1.64	1.59	1.66	1.71	1.65		NA	NA	NA	NA	NA	NA
Japan.....	4.98	5.14	5.28	5.90	4.90	4.98	5.64	5.35		NA	NA	NA	NA	NA	NA
OECD Europe ^{3/}															
France.....	1.86	1.82	1.94	2.10	1.81	1.90	1.95	1.94		NA	NA	NA	NA	NA	NA
Italy.....	1.93	1.87	1.86	2.08	1.79	1.85	2.02	1.93		NA	NA	NA	NA	NA	NA
United Kingdom.....	1.74	1.75	1.80	1.82	1.76	1.79	1.84	1.80		NA	NA	NA	NA	NA	NA
Germany ^{4/}	2.28	2.38	2.83	2.86	2.73	2.98	2.83	2.85		NA	NA	NA	NA	NA	NA
Other OECD Europe.....	4.73	4.81	4.96	5.20	4.93	5.09	5.12	5.09		NA	NA	NA	NA	NA	NA
Total OECD Europe.....	12.53	12.63	13.39	14.08	13.02	13.60	13.76	13.61		NA	NA	NA	NA	NA	NA
Australia & New Zealand	.79	.82	.81	.81	.83	.81	.84	.82		NA	NA	NA	NA	NA	NA
Total OECD.....	37.57	37.47	38.06	39.55	37.29	38.22	39.66	38.68		NA	NA	NA	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	NA	NA	NA
Former USSR.....	8.74	8.39	8.20	7.96	7.04	6.24	6.11	6.84		NA	NA	NA	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	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	NA	NA	NA
Total World Demand.....	66.03	66.15	66.68	68.90	65.33	65.42	68.12	66.94		NA	NA	NA	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, May 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, May 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, May 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..	20.731	8.444	-0.215	1.747	2.755	1.840	2.317	6.420	-0.540	5.380
Imports from OPEC7/	15.794	6.812	.390	.979	.966	1.344	3.133	4.012	.194	4.209
Imports from Persian Gulf8/										
Total.....	9.443	3.617	.220	.628	.215	.573	1.980	1.774	.088	3.591
Bahrain.....	.033	.003	.001	.001	-	.001	.000	-.002	-	.029
Iran.....	1.475	1.102	.032	.149	.021	.239	.660	.000	.011	.360
Iraq.....	.001	.001	.000	.000	.000	.000	.001	.000	.000	.000
Kuwait.....	.393	.122	.027	.029	.009	.007	.050	.051	-	.220
U.A.E.....	1.626	.176	.021	.033	.002	.013	.107	.004	.000	1.252
Qatar.....	.305	.006	.001	.002	.001	.001	.002	.001	-	.298
Saudi Arabia.....	5.611	2.208	.139	.414	.182	.312	1.160	1.720	.078	1.432
Imports from OPEC-Africa										
Total.....	4.034	2.915	.123	.340	.622	.758	1.072	1.000	.062	.015
Algeria.....	.979	.774	.056	.100	.185	.140	.292	.196	.008	.007
Gabon.....	.243	.095	.000	.066	.006	.000	.022	.124	.000	.008
Libya.....	1.365	1.365	.044	.086	.252	.584	.400	.000	.000	-
Nigeria.....	1.447	.682	.022	.088	.179	.034	.358	.680	.054	.000
Imports from OPEC-South America										
Total.....	1.553	.273	.049	.011	.128	.005	.081	1.161	.044	.010
Venezuela.....	1.553	.273	.049	.011	.128	.005	.081	1.161	.044	.010
Imports from OPEC-Far East										
Total.....	.797	.009	.000	.001	.000	.009	.000	.075	.000	.622
Indonesia.....	.797	.009	.000	.001	.000	.009	.000	.075	.000	.622

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..	21.270	8.519	-0.273	1.762	2.770	1.963	2.297	6.524	-0.568	5.577	1.218
Imports from OPEC6/	16.216	6.871	.380	.949	.985	1.400	3.156	4.173	.236	4.331	.606
Imports from Persian Gulf7/											
Total.....	9.700	3.640	.268	.659	.215	.546	1.952	1.818	.119	3.699	.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.....	.002	.002	.000	.000	.000	.000	.002	.000	.000	.000	.000
Kuwait.....	.649	.175	.057	.027	.025	.009	.057	.140	-	.334	.000
U.A.E.....	1.675	.157	.018	.041	.002	.000	.097	.013	.000	1.274	.231
Qatar.....	.344	.014	.000	.006	.000	.003	.005	.000	-	.330	.000
Saudi Arabia.....	5.584	2.218	.139	.457	.161	.297	1.163	1.665	.102	1.410	.189
Imports from OPEC-Africa											
Total.....	4.051	2.966	.071	.289	.642	.833	1.131	.984	.084	.013	.005
Algeria.....	.954	.770	.033	.082	.220	.160	.276	.187	.008	.000	-.011
Gabon.....	.234	.069	.000	.055	.004	.000	.011	.134	.000	.013	.018
Libya.....	1.387	1.387	.038	.060	.262	.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	1.330	.033	.011	.072
Venezuela.....	1.699	.253	.042	.007	.128	.004	.072	1.330	.033	.011	.072
Imports from OPEC-Far East											
Total.....	.796	.018	.000	.000	.000	.018	.000	.040	.000	.632	.106
Indonesia.....	.796	.018	.000	.000	.000	.018	.000	.040	.000	.632	.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..	21.225	8.376	-0.206	1.562	2.756	1.721	2.444	6.891	-0.496	5.321	1.123
Imports from OPEC6/	15.926	6.840	.436	.913	1.004	1.204	3.282	4.136	.230	4.134	.586
Imports from Persian Gulf7/											
Total.....	9.320	3.619	.214	.592	.232	.523	2.059	1.699	.104	3.518	.381
Bahrain.....	.035	.000	.000	.000	-	.000	.000	-.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.....	.527	.198	.038	.053	.009	.006	.092	.065	-	.263	.001
U.A.E.....	1.557	.146	.010	.029	.005	.000	.103	.000	.000	1.211	.195
Qatar.....	.325	.007	.000	.002	.005	.000	.001	.003	-	.315	.000
Saudi Arabia.....	5.344	2.112	.156	.350	.192	.325	1.090	1.634	.087	1.337	.174
Imports from OPEC-Africa											
Total.....	4.241	2.939	.167	.309	.655	.672	1.136	1.177	.080	.010	.034
Algeria.....	1.135	.905	.090	.099	.210	.095	.411	.208	.019	.004	-.001
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.....	1.600	.276	.056	.011	.117	.003	.088	1.188	.046	.007	.084
Venezuela.....	1.600	.276	.056	.011	.117	.003	.088	1.188	.046	.007	.084
Imports from OPEC-Far East											
Total.....	.800	.006	.000	.000	.000	.006	.000	.070	.000	.634	.090
Indonesia.....	.800	.006	.000	.000	.000	.006	.000	.070	.000	.634	.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.

Sources: See end of Section 3.

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

	1992											1993
	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb
Total.....	19.670	21.085	20.187	20.006	21.133	21.458	21.080	21.208	21.221	21.402	21.535	21.175
United States2/.....	5.613	6.556	6.475	6.496	6.961	6.939	6.770	7.100	6.397	6.071	7.011	7.077
Canada.....	-.542	-.572	-.574	-.310	-.507	-.479	-.503	-.631	-.499	-.573	-.496	-.639
OECD Europe3/.....	8.151	8.758	8.393	8.297	8.209	8.648	8.269	8.278	8.553	8.750	8.071	8.333
Main European Importers												
France.....	1.794	1.806	1.871	1.663	1.581	1.682	1.726	1.826	1.740	1.720	1.832	1.758
Germany4/.....	2.801	2.870	2.555	2.488	2.636	2.837	2.796	2.748	2.830	2.733	2.597	2.775
Italy.....	1.759	1.784	1.735	1.633	1.753	1.642	1.769	1.748	2.112	2.033	1.628	1.713
Spain.....	1.067	1.112	1.058	.929	.924	1.125	.987	1.011	.853	.843	.931	1.193
Netherlands.....	.593	.643	.661	1.041	.739	.774	.726	.599	.427	.783	.522	.580
European Net Exporters												
Norway.....	-2.336	-2.145	-2.022	-2.042	-1.964	-1.920	-2.231	-2.118	-2.160	-2.147	-2.012	-2.187
United Kingdom.....	-.130	-.261	-.047	-.060	.050	-.346	-.327	-.260	-.240	-.319	-.103	-.366
Smaller European Importers												
Austria.....	.210	.215	.190	.219	.186	.223	.190	.236	.227	.219	.212	.222
Belgium.....	.540	.574	.494	.425	.426	.549	.531	.475	.575	.543	.573	.574
Denmark.....	.036	.028	.026	.057	.001	.087	.057	-.028	-.001	.104	-.038	.022
Ireland.....	.119	.076	.083	.092	.087	.096	.108	.076	.116	.119	.108	.101
Finland.....	.090	.165	.216	.183	.239	.191	.121	.231	.224	.238	.058	.258
Greece.....	.395	.340	.347	.277	.273	.293	.412	.331	.335	.273	.413	.248
Iceland.....	.000	.021	.001	.031	.001	.015	.003	.008	.004	.026	.000	.033
Luxembourg.....	.040	.046	.034	.038	.037	.036	.041	.042	.040	.044	.039	.032
Portugal.....	.162	.363	.282	.274	.243	.261	.352	.257	.281	.315	.292	.280
Sweden.....	.309	.369	.291	.355	.322	.333	.291	.392	.501	.517	.355	.336
Switzerland.....	.290	.281	.262	.263	.290	.306	.291	.272	.251	.246	.242	.263
Turkey.....	.403	.471	.356	.432	.385	.464	.420	.432	.437	.460	.423	.497
Japan.....	5.454	5.469	5.016	4.712	5.212	5.307	5.447	5.303	5.513	5.914	6.386	5.799
Other OECD.....	.994	.873	.877	.812	1.258	1.043	1.096	1.158	1.258	1.239	.563	.605

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

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

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

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

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

Sources: See end of Section 3.

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

	1992												1993
	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	
Total.....	15.379	15.682	15.149	15.148	15.863	15.619	16.309	16.252	16.109	16.285	16.291	15.608	
United States ₃ /.....	3.572	4.016	4.065	3.910	4.224	4.030	4.156	4.457	3.999	4.056	4.181	4.568	
Canada.....	.133	.168	.164	.200	.221	.203	.268	.183	.276	.252	.262	.186	
OECD Europe ₄ /.....	6.833	6.853	6.477	6.670	6.760	6.750	7.014	6.797	6.996	6.824	6.211	5.809	
Main European Importers													
France.....	1.054	1.026	1.067	.945	.911	.879	.951	1.003	.949	.896	1.268	.966	
Germany ₅ /.....	1.012	.916	.869	.934	.849	1.058	1.109	1.031	1.016	.908	.878	.875	
Italy.....	1.442	1.274	1.290	1.401	1.255	1.162	1.193	1.198	1.454	1.551	1.293	1.281	
Spain.....	.740	.672	.529	.478	.574	.649	.666	.610	.654	.708	.695	.694	
Netherlands.....	.707	.881	.911	.907	1.081	.892	1.020	.917	.664	.942	.000	.000	
European Net Exporters													
Norway.....	.013	.003	.000	.011	.000	.011	.000	.000	.000	.005	.000	.018	
United Kingdom.....	.375	.329	.427	.454	.497	.492	.316	.358	.467	.319	.389	.415	
Smaller European Importers													
Austria.....	.110	.117	.052	.102	.101	.125	.089	.167	.128	.108	.139	.164	
Belgium.....	.325	.324	.311	.323	.331	.319	.361	.354	.412	.301	.384	.342	
Denmark.....	.000	.007	.000	.000	.000	.000	.004	.000	.000	.000	.000	.027	
Ireland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Finland.....	.001	.014	.054	.071	.053	.088	.054	.034	.010	.009	.000	.000	
Greece.....	.408	.392	.335	.368	.320	.351	.404	.346	.294	.200	.326	.217	
Portugal.....	.087	.229	.108	.080	.155	.107	.224	.127	.143	.208	.215	.125	
Sweden.....	.111	.168	.099	.113	.174	.089	.185	.180	.259	.176	.166	.113	
Switzerland.....	.052	.033	.042	.024	.035	.055	.040	.055	.072	.074	.053	.071	
Turkey.....	.395	.469	.383	.458	.424	.473	.399	.416	.474	.419	.403	.501	
Japan.....	4.410	4.175	3.859	3.795	4.031	4.110	4.264	4.273	4.140	4.573	5.030	4.560	
Other OECD.....	.431	.471	.584	.573	.627	.525	.607	.542	.698	.580	.608	.485	

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
	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	
Total.....	9.185	9.558	9.077	8.941	9.143	9.261	9.564	9.477	9.541	10.077	9.859	9.111	
United States3/.....	1.707	1.729	1.760	1.740	1.772	1.662	1.661	1.730	1.742	1.979	1.825	1.936	
Canada.....	.013	.105	.000	.089	.074	.115	.123	.071	.120	.168	.107	.024	
OECD Europe4/.....	3.449	3.888	3.606	3.607	3.531	3.610	3.720	3.631	3.620	3.668	3.227	2.906	
Main European Importers													
France.....	.660	.664	.733	.551	.610	.602	.565	.657	.648	.672	.929	.618	
Germany5/.....	.189	.223	.214	.257	.245	.235	.214	.254	.203	.187	.191	.173	
Italy.....	.600	.618	.565	.602	.497	.520	.552	.513	.551	.574	.513	.516	
Spain.....	.221	.234	.200	.202	.243	.228	.278	.235	.200	.309	.206	.235	
Netherlands.....	.479	.642	.621	.652	.557	.642	.744	.605	.387	.753	.000	.000	
European Net Exporters													
Norway.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005	.000	.000	
United Kingdom.....	.206	.162	.226	.223	.245	.268	.125	.239	.334	.233	.263	.217	
Smaller European Importers													
Austria.....	.057	.025	.021	.015	.019	.059	.000	.050	.033	.002	.024	.053	
Belgium.....	.253	.263	.236	.263	.256	.257	.278	.290	.354	.219	.324	.288	
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.027	
Finland.....	.001	.014	.054	.071	.053	.029	.023	.034	.010	.009	.000	.000	
Greece.....	.338	.337	.295	.303	.250	.298	.367	.276	.239	.165	.252	.169	
Portugal.....	.033	.143	.038	.019	.113	.035	.102	.056	.086	.110	.049	.063	
Sweden.....	.064	.137	.061	.063	.079	.025	.135	.051	.174	.063	.120	.066	
Switzerland.....	.005	.005	.011	.005	.014	.005	.014	.004	.005	.000	.000	.006	
Turkey.....	.343	.419	.332	.381	.348	.407	.324	.367	.396	.367	.357	.477	
Japan.....	3.797	3.510	3.360	3.173	3.411	3.520	3.625	3.642	3.585	3.866	4.347	3.967	
Other OECD.....	.218	.327	.351	.331	.356	.354	.435	.403	.475	.397	.352	.279	

- 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 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 3.7 United States^{1/}—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1992											1993
	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb
Total Net Imports...	5.613	6.556	6.475	6.496	6.961	6.939	6.770	7.100	6.397	6.071	7.011	7.077
Imports from OPEC ^{2/}	3.572	4.016	4.065	3.910	4.224	4.030	4.156	4.457	3.999	4.056	4.181	4.568
Imports from Persian Gulf ^{3/}	1.707	1.729	1.760	1.740	1.772	1.662	1.661	1.730	1.742	1.979	1.825	1.936
Total.....	.000	-.002	-.002	-.003	-.005	-.003	.000	-.001	.000	.000	.000	.000
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	.000	.000	.000	.000	.000	.000	.000
U.A.E.....	.000	-.002	-.002	-.001	-.002	.005	-.002	.002	.017	.021	-.006	-.012
Qatar.....	.000	.000	.000	.000	.008	.000	.000	.000	.000	.000	.000	.006
Saudi Arabia.....	1.707	1.733	1.764	1.744	1.713	1.594	1.593	1.592	1.608	1.793	1.687	1.626
Imports from OPEC-Africa	.681	1.166	1.110	1.013	1.222	1.184	1.123	1.180	.908	.863	.972	1.294
Total.....	.215	.182	.202	.144	.179	.261	.184	.186	.171	.203	.153	.256
Algeria.....	.025	.186	.135	.129	.143	.108	.165	.167	.114	.120	.090	.126
Gabon.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Libya.....	.441	.798	.773	.740	.900	.815	.774	.827	.623	.540	.729	.912
Nigeria.....												
Imports from OPEC-South America	1.099	1.065	1.038	1.045	1.163	1.090	1.315	1.492	1.334	1.163	1.377	1.286
Total.....	1.099	1.065	1.038	1.045	1.163	1.090	1.315	1.492	1.334	1.163	1.377	1.286
Venezuela.....												
Imports from OPEC-Far East	.085	.054	.155	.109	.062	.091	.057	.054	.015	.051	.007	.052
Total.....	.085	.054	.155	.109	.062	.091	.057	.054	.015	.051	.007	.052
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)

	1993											
	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb
Total Net Imports..	5.454	5.469	5.016	4.712	5.212	5.307	5.447	5.303	5.513	5.914	6.386	5.799
Imports from OPEC1/	4.410	4.175	3.859	3.795	4.031	4.110	4.264	4.273	4.140	4.573	5.030	4.560
Imports from Persian Gulf2/	3.797	3.510	3.360	3.173	3.411	3.520	3.625	3.642	3.585	3.866	4.347	3.967
Total.....	.019	.000	.040	.042	.048	.032	.024	.007	.046	.020	.039	.039
Bahrain.....	.466	.405	.276	.171	.524	.341	.197	.329	.279	.371	.560	.319
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.122	.166	.195	.185	.192	.301	.298	.303	.328	.370	.325	.402
Kuwait.....	1.330	1.259	1.219	1.070	1.181	1.231	1.221	1.291	1.218	1.311	1.510	1.448
U.A.E.....	.246	.265	.296	.303	.240	.365	.341	.364	.335	.292	.403	.376
Qatar.....	1.615	1.414	1.334	1.401	1.225	1.251	1.543	1.349	1.380	1.501	1.511	1.384
Saudi Arabia.....												
Imports from OPEC-Africa												
Total.....	.020	.016	.035	.008	.026	.005	.000	.019	.000	.018	.052	.057
Algeria.....	.000	.016	.035	.008	.006	.005	.000	.000	.000	.000	.000	.000
Gabon.....	.020	.000	.000	.000	.020	.000	.000	.019	.000	.018	.052	.057
Nigeria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Imports from OPEC-South America												
Total.....	.016	.000	.008	.007	.001	.017	.002	.016	.000	.016	.010	.027
Venezuela.....	.016	.000	.008	.007	.001	.017	.002	.016	.000	.016	.010	.027
Imports from OPEC-Far East												
Total.....	.596	.650	.496	.649	.640	.599	.662	.602	.601	.693	.660	.547
Indonesia.....	.596	.650	.496	.649	.640	.599	.662	.602	.601	.693	.660	.547

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
	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb
Total Net Imports...	8.151	8.758	8.393	8.297	8.209	8.648	8.269	8.278	8.553	8.750	8.071	8.333
Imports from OPEC ² /	6.833	6.853	6.477	6.670	6.760	6.750	7.014	6.797	6.996	6.824	6.211	5.809
Imports from Persian Gulf ³ /	3.449	3.888	3.606	3.607	3.531	3.610	3.720	3.631	3.620	3.668	3.227	2.906
Bahrain.....	.000	.000	.003	.000	.000	.000	.000	.000	.016	.000	.000	.000
Iran.....	.955	1.257	1.056	1.193	1.064	1.151	1.252	1.088	1.267	.857	.832	.851
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.006	.000	.000
Kuwait.....	.039	.037	.091	.102	.275	.197	.121	.154	.168	.204	.216	.039
U.A.E.....	.211	.251	.158	.173	.120	.153	.167	.134	.104	.231	.213	.140
Qatar.....	.000	.000	.000	.000	.000	.012	.011	.000	.000	.040	.002	.000
Saudi Arabia.....	2.244	2.343	2.297	2.138	2.072	2.096	2.170	2.255	2.064	2.329	1.964	1.875
Imports from OPEC-Africa												
Total.....	3.028	2.676	2.588	2.756	2.984	2.857	2.976	2.924	3.082	2.894	2.796	2.697
Algeria.....	.691	.773	.713	.687	1.083	.808	.823	.811	.772	.728	.562	.680
Gabon.....	.114	.106	.104	.110	.021	.075	.052	.093	.042	.072	.064	.101
Libya.....	1.356	1.263	1.333	1.326	1.478	1.400	1.406	1.351	1.515	1.298	1.380	1.242
Nigeria.....	.868	.534	.438	.633	.402	.574	.695	.668	.753	.796	.790	.673
Imports from OPEC-South America												
Total.....	.341	.289	.286	.282	.246	.283	.300	.242	.293	.226	.169	.187
Venezuela.....	.341	.289	.286	.282	.246	.283	.300	.242	.293	.226	.169	.187
Imports from OPEC-Far East												
Total.....	.015	.000	.000	.024	.000	.001	.018	.000	.018	.035	.018	.020
Indonesia.....	.015	.000	.000	.024	.000	.001	.018	.000	.018	.035	.018	.020

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

	1992						1993					
	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb
Total Net Imports...	1.794	1.806	1.871	1.663	1.581	1.682	1.726	1.826	1.740	1.720	1.832	1.758
Imports from OPEC1/	1.054	1.026	1.067	.945	.911	.879	.951	1.003	.949	.896	1.268	.966
Imports from Persian Gulf2/	.660	.664	.733	.551	.610	.602	.565	.657	.648	.672	.929	.618
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.016	.000	.000	.000
Bahrain.....	.189	.171	.139	.159	.148	.187	.140	.158	.163	.048	.169	.130
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.019	.002	.060	.023	.093	.066	.000	.000	.000	.081	.108	.000
U.A.E.....	.033	.011	.033	.032	.031	.000	.057	.036	.000	.084	.113	.004
Qatar.....	.000	.000	.000	.000	.000	.000	.005	.000	.000	.017	.002	.000
Saudi Arabia.....	.419	.481	.501	.337	.338	.349	.362	.462	.468	.441	.536	.483
Imports from OPEC-Africa												
Total.....	.387	.355	.320	.380	.281	.270	.379	.339	.311	.217	.339	.341
Algeria.....	.120	.130	.143	.089	.071	.104	.123	.120	.070	.055	.075	.063
Gabon.....	.062	.102	.073	.063	.000	.047	.032	.071	.031	.062	.064	.101
Libya.....	.077	.081	.066	.123	.123	.110	.080	.107	.071	.002	.116	.066
Nigeria.....	.127	.042	.038	.105	.087	.009	.143	.040	.138	.099	.084	.111
Imports from OPEC-South America												
Total.....	.007	.007	.015	.007	.020	.007	.007	.007	.007	.007	.000	.008
Venezuela.....	.007	.007	.015	.007	.020	.007	.007	.007	.007	.007	.000	.008
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.006	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.006	.000	.000	.000	.000	.000	.000	.000	.000

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

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

Notes: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o 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 Germany1/—Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1993											
	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb
Total Net Imports..	2.801	2.870	2.555	2.488	2.636	2.837	2.796	2.748	2.830	2.733	2.597	2.775
Imports from OPEC2/	1.012	.916	.869	.934	.849	1.058	1.109	1.031	1.016	.908	.878	.875
Imports from Persian Gulf3/												
Total.....	.189	.223	.214	.257	.245	.235	.214	.254	.203	.187	.191	.173
Iran.....	.018	.016	.010	.029	.026	.036	.002	.039	.037	.003	.018	.023
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.000	.000	.000	.000	.010	.000	.017	.024	.034	.018	.026	.019
U.A.E.....	.001	.000	.001	.000	.000	.000	.015	.002	.001	.002	.002	.001
Qatar.....	.000	.000	.000	.000	.000	.012	.002	.000	.000	.000	.000	.000
Saudi Arabia.....	.169	.206	.203	.228	.208	.187	.179	.189	.131	.163	.145	.129
Imports from OPEC-Africa												
Total.....	.693	.546	.539	.514	.492	.697	.780	.644	.668	.614	.599	.596
Algeria.....	.139	.177	.152	.151	.171	.205	.255	.229	.256	.175	.151	.234
Gabon.....	.019	.004	.000	.000	.000	.000	.019	.012	.000	.000	.000	.000
Libya.....	.257	.222	.210	.199	.211	.301	.320	.270	.278	.238	.261	.215
Nigeria.....	.277	.144	.177	.164	.110	.191	.186	.132	.135	.201	.187	.147
Imports from OPEC-South America												
Total.....	.130	.147	.117	.163	.111	.126	.115	.134	.144	.108	.088	.106
Venezuela.....	.130	.147	.117	.163	.111	.126	.115	.134	.144	.108	.088	.106
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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

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

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

Notes: 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)

	1993											
	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb
Total Net Imports..	1.759	1.784	1.735	1.633	1.753	1.642	1.769	1.748	2.112	2.033	1.628	1.713
Imports from OPEC1/	1.442	1.274	1.290	1.401	1.255	1.162	1.193	1.198	1.454	1.551	1.293	1.281
Imports from Persian Gulf2/	.600	.618	.565	.602	.497	.520	.552	.513	.551	.574	.513	.516
Total.....	.600	.600	.003	.000	.000	.000	.000	.000	.000	.000	.000	.000
Bahrain.....	.243	.273	.196	.331	.198	.202	.175	.225	.273	.215	.222	.163
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.012	.007	.019	.000	.000	.000	.019	.000	.027	.000	.008	.020
Kuwait.....	.039	.000	.027	.000	.000	.000	.000	.000	.000	.000	.029	.000
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.000	.000
Qatar.....	.306	.337	.321	.271	.299	.318	.358	.288	.252	.350	.254	.333
Saudi Arabia.....												
Imports from OPEC-Africa												
Total.....	.811	.655	.721	.775	.758	.633	.623	.680	.884	.937	.754	.745
Algeria.....	.162	.139	.083	.116	.124	.044	.119	.135	.150	.193	.152	.144
Gabon.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Libya.....	.617	.516	.630	.611	.618	.533	.504	.514	.659	.664	.562	.601
Nigeria.....	.031	.000	.008	.048	.016	.056	.000	.030	.075	.079	.040	.000
Imports from OPEC-South America												
Total.....	.016	.000	.006	.006	.000	.009	.000	.005	.000	.006	.008	.000
Venezuela.....	.016	.000	.006	.006	.000	.009	.000	.005	.000	.006	.008	.000
Imports from OPEC-Far East												
Total.....	.015	.000	.000	.018	.000	.000	.018	.000	.018	.035	.018	.020
Indonesia.....	.015	.000	.000	.018	.000	.000	.018	.000	.018	.035	.018	.020

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
	Mar	Apr	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	
Total.....	0.161	0.203	0.286	0.290	0.522	0.566	0.493	0.593	0.613	0.739	0.684	0.692	
United States2/.....	.000	.000	.000	.000	.058	.066	.070	.137	.117	.165	.144	.316	
OECD Europe3/.....	.039	.037	.091	.102	.275	.197	.121	.154	.168	.204	.216	.039	
Main European Importers													
France.....	.019	.002	.060	.023	.093	.066	.000	.000	.000	.081	.108	.000	
Germany4/.....	.000	.000	.000	.000	.010	.000	.017	.024	.034	.018	.026	.019	
Italy.....	.012	.007	.019	.000	.000	.000	.019	.000	.027	.000	.008	.020	
Spain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Netherlands.....	.000	.000	.000	.060	.074	.025	.065	.032	.025	.067	.000	.000	
European Net Exporters													
United Kingdom.....	.008	.000	.001	.000	.058	.055	.000	.078	.063	.030	.030	.000	
Smaller European Importers													
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Belgium.....	.000	.000	.000	.000	.029	.033	.010	.000	.000	.000	.017	.000	
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Greece.....	.000	.019	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Portugal.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	
Turkey.....	.000	.008	.011	.019	.011	.016	.010	.020	.020	.008	.027	.000	
Japan.....	.122	.166	.195	.185	.192	.301	.298	.303	.328	.370	.325	.402	
Other OECD.....	.000	.000	.000	.002	-.003	.002	.004	.000	.000	.000	.000	-.065	

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

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

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

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

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

Sources: See end of Section 3.

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

	1992						1993					
	Mar	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb
Total Net Imports..	1.759	1.784	1.735	1.633	1.753	1.642	1.769	1.748	2.112	2.033	1.628	1.713
Imports from OPEC1/	1.442	1.274	1.290	1.401	1.255	1.162	1.193	1.198	1.454	1.551	1.293	1.281
Imports from Persian Gulf2/												
Total.....	.600	.618	.565	.602	.497	.520	.552	.513	.551	.574	.513	.516
Bahrain.....	.000	.000	.003	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iran.....	.243	.273	.196	.331	.198	.202	.175	.225	.273	.215	.222	.163
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.012	.007	.019	.000	.000	.000	.019	.000	.027	.000	.008	.020
U.A.E.....	.039	.000	.027	.000	.000	.000	.000	.000	.000	.000	.029	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.000	.000
Saudi Arabia.....	.306	.337	.321	.271	.299	.318	.358	.288	.252	.350	.254	.333
Imports from OPEC-Africa												
Total.....	.811	.655	.721	.775	.758	.633	.623	.680	.884	.937	.754	.745
Algeria.....	.162	.139	.083	.116	.124	.044	.119	.135	.150	.193	.152	.144
Gabon.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Libya.....	.617	.516	.630	.611	.618	.533	.504	.514	.659	.664	.562	.601
Nigeria.....	.031	.000	.008	.048	.016	.056	.000	.030	.075	.079	.040	.000
Imports from OPEC-South America												
Total.....	.016	.000	.006	.006	.000	.009	.000	.005	.000	.006	.008	.000
Venezuela.....	.016	.000	.006	.006	.000	.009	.000	.005	.000	.006	.008	.000
Imports from OPEC-Far East												
Total.....	.015	.000	.000	.018	.000	.000	.018	.000	.018	.035	.018	.020
Indonesia.....	.015	.000	.000	.018	.000	.000	.018	.000	.018	.035	.018	.020

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.

Sources for Section 3 (International Oil Imports)

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1991 and Petroleum Supply Monthly, May 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 ^{1/}	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....	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	1,435	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	R450	1,029	1,483	396	8,438	2,325	R15,338	1,566	3,429

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

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

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

	Nigeria	Venezuela	Total OPEC ^{3/}	Canada	Mexico	United Kingdom	United States ^{4/}	China	Former USSR	Other ^{5/}	World
1970 Average....	1,083	3,708	23,410	1,263	487	2	9,637	600	6,985	3,502	45,886
1971 Average....	1,531	3,549	25,324	1,348	486	2	9,463	780	7,475	3,640	48,518
1972 Average....	1,816	3,220	27,016	1,532	505	2	9,441	900	7,890	3,852	51,138
1973 Average....	2,054	3,366	30,779	1,798	465	2	9,208	1,090	8,324	4,013	55,679
1974 Average....	2,255	2,976	30,552	1,551	571	2	8,774	1,315	8,912	4,039	55,716
1975 Average....	1,783	2,346	26,994	1,430	705	12	8,375	1,490	9,523	4,300	52,828
1976 Average....	2,067	2,294	30,549	1,314	831	245	8,132	1,670	10,060	4,543	57,344
1977 Average....	2,085	2,238	31,115	1,321	981	768	8,245	1,874	10,603	4,799	59,707
1978 Average....	1,897	2,165	29,673	1,316	1,209	1,082	8,707	2,082	11,105	4,984	60,158
1979 Average....	2,302	2,356	30,784	1,500	1,461	1,568	8,552	2,122	11,384	5,303	62,674
1980 Average....	2,055	2,168	26,781	1,435	1,936	1,622	8,597	2,114	11,706	5,408	59,599
1981 Average....	1,433	2,102	22,632	1,285	2,313	1,811	8,572	2,012	11,850	5,601	56,076
1982 Average....	1,295	1,895	18,934	1,271	2,748	2,065	8,649	2,045	11,912	5,857	53,481
1983 Average....	1,241	1,801	17,654	1,356	2,689	2,291	8,688	2,120	11,972	6,485	53,255
1984 Average....	1,388	1,798	17,599	1,438	2,780	2,480	8,879	2,296	11,861	7,155	54,488
1985 Average....	1,495	1,677	16,353	1,471	2,745	2,530	8,971	2,505	11,585	7,821	53,981
1986 Average....	1,467	1,787	18,441	1,474	2,435	2,539	8,680	2,620	11,895	8,143	56,227
1987 Average....	1,341	1,752	18,672	1,535	2,548	2,406	8,349	2,690	11,985	8,416	56,601
1988 Average....	1,450	1,903	20,483	1,616	2,512	2,232	8,140	2,730	11,978	8,971	58,662
1989 Average....	1,716	1,907	22,279	1,560	2,520	1,802	7,613	2,757	11,625	9,617	59,773
1990 Average....	1,810	2,137	23,465	1,553	2,553	1,820	7,355	2,774	10,880	10,070	60,471
1991 Average....	1,892	2,375	23,725	1,548	2,676	1,797	7,417	2,805	9,887	10,367	60,221
1992 Average P..	1,982	2,334	R24,947	1,598	2,668	1,825	R7,171	2,838	8,388	10,820	R60,255

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

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

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

P=Preliminary. R=Revised data.

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 /	OAPC 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	R1,697	1,001	1,183	1,344	R5,060

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

²/See Appendix A for countries in this group.

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

See Appendix A for countries in this group.

P=Preliminary. R=Revised data.

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/}	OAEPC ^{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.....	R9,768	R17,142	R18,106	R26,347	R66,968

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

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

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

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

See Appendix A for countries in this group.

P=Preliminary. E=Estimated. R=Revised data.

Sources: See end of Section 4.

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

	France	Italy	Germany ^{2/}	United Kingdom	OECD Europe ^{3/}	United States ^{4/}	Canada	Japan	Other ^{5/}	Total OECD
1973 December.....	201	152	181	156	1,070	1,008	140	303	67	2,588
1974 December.....	249	167	213	191	1,227	1,074	145	370	64	2,880
1975 December.....	225	143	187	165	1,154	1,133	174	375	67	2,903
1976 December.....	234	143	208	165	1,205	1,112	153	380	68	2,918
1977 December.....	239	161	225	148	1,268	1,312	167	409	68	3,224
1978 December.....	201	154	238	157	1,219	1,278	144	413	68	3,122
1979 December.....	226	163	272	169	1,353	1,341	150	460	75	3,379
1980 December.....	243	170	319	168	1,464	1,392	164	495	72	3,587
1981 December.....	214	167	297	143	1,337	1,484	161	482	67	3,531
1982 December.....	193	179	272	125	1,258	1,430	136	484	68	3,376
1983 December.....	153	149	249	118	1,142	1,454	121	470	68	3,255
1984 December.....	152	159	239	112	1,130	1,556	128	479	69	3,362
1985 December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986 December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987 December.....	127	169	259	121	1,130	1,607	126	540	72	3,474
1988 December.....	140	155	266	112	1,118	1,597	116	538	71	3,440
1989 December.....	138	164	271	118	1,133	1,581	114	577	71	3,476
1990 December.....	140	172	265	112	1,163	1,621	121	590	73	3,568
1991 December.....	153	160	288	119	1,182	1,617	119	R607	65	R3,589
1992 December P.....	145	174	306	114	1,216	1,592	109	R602	67	R3,586

1/See Explanatory Note 2 in Appendix B.

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

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

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

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

P=Preliminary. 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	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	223	33,493
1971 Average...	2,115	1,838	2,702	2,141	13,005	15,213	1,565	4,142	831	34,755	238	34,993
1972 Average...	2,322	1,947	2,859	2,284	13,934	16,367	1,664	4,363	948	37,275	270	37,545
1973 Average...	2,601	2,068	3,055	2,341	14,925	17,308	1,729	4,949	988	39,900	282	40,182
1974 Average...	2,447	2,004	2,748	2,210	13,988	16,653	1,779	4,864	1,095	38,379	307	38,686
1975 Average...	2,252	1,855	2,650	1,911	13,217	16,322	1,779	4,621	1,041	36,980	307	37,287
1976 Average...	2,420	1,971	2,877	1,892	14,124	17,461	1,818	4,837	1,119	39,358	329	39,687
1977 Average...	2,294	1,897	2,865	1,905	13,916	18,431	1,850	4,880	1,160	40,237	347	40,584
1978 Average...	2,408	1,952	2,927	1,938	14,290	18,847	1,902	4,945	1,204	41,187	363	41,550
1979 Average...	2,463	2,039	3,003	1,971	14,667	18,513	1,971	5,050	1,178	41,379	369	41,748
1980 Average...	2,256	1,934	2,707	1,725	13,634	17,056	1,873	4,960	1,072	38,595	375	38,970
1981 Average...	2,023	1,874	2,449	1,590	12,515	16,058	1,768	4,848	1,080	36,269	355	36,624
1982 Average...	1,880	1,781	2,372	1,590	12,053	15,296	1,578	4,582	1,008	34,517	371	34,888
1983 Average...	1,835	1,750	2,324	1,531	11,765	15,231	1,448	4,395	954	33,793	336	34,129
1984 Average...	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500	340	34,840
1985 Average...	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271	362	34,633
1986 Average...	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279	362	35,641
1987 Average...	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911	342	36,253
1988 Average...	1,797	1,836	2,422	1,697	12,427	17,238	1,693	4,752	939	37,093	322	37,415
1989 Average...	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570	301	37,871
1990 Average...	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475	283	37,758
1991 Average...	1,935	1,863	2,828	1,801	13,390	16,714	R1,621	R5,284	1,052	NA	NA	R38,061
1992 Average...	R1,942	1,935	2,849	R1,802	R13,613	R17,033	R1,649	R5,353	1,035	NA	NA	R38,683

1/The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition.
2/Data through 1990 are for the former 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	20.426	20.731
United States ² /.....	4.298	4.312	4.715	4.286	5.439	5.914	6.587	7.202	7.161	6.426	6.420
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	8.444
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	.210
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	.096
Finland.....	.206	.212	.177	.207	.229	.242	.200	.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	.279
Sweden.....	.394	.365	.300	.349	.379	.309	.313	.290	.324	.312	.348
Switzerland.....	.233	.259	.252	.257	.290	.254	.258	.273	.273	.277	.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	5.286	5.380
Other OECD.....	.478	.338	.350	.322	.338	.291	.250	.313	.270	.396	1.026

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	15.570	15.794
United States3/.....	2.099	1.790	1.987	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.012
Canada.....	.200	.152	.137	.128	.158	.155	.162	.205	.199	.210	.194
OECD Europe4/.....	6.815	5.721	5.548	5.395	6.163	5.628	5.873	6.205	6.656	6.827	6.812
Main European Importers											
France.....	1.281	1.009	.961	.884	.948	.684	.737	.875	1.101	1.101	.979
Germany5/.....	1.007	.868	.807	.787	.831	.679	.761	.739	.776	.871	.966
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	.903
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	.053	.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	.149
Sweden.....	.134	.079	.036	.051	.086	.062	.074	.064	.073	.105	.147
Switzerland.....	.065	.077	.075	.075	.068	.069	.051	.021	.038	.052	.051
Turkey.....	.303	.308	.332	.331	.344	.411	.439	.384	.388	.412	.412
Japan.....	3.388	3.260	3.372	2.983	3.036	3.198	3.309	3.789	4.070	4.038	4.209
Other OECD.....	.477	.378	.334	.268	.301	.408	.316	.367	.513	.493	.568

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	8.052	6.515	6.454	5.585	7.228	7.392	7.941	9.121	9.667	9.220	9.443
Total.....	.691	.436	.502	.304	.909	1.072	1.526	1.857	1.961	1.835	1.774
United States3/...	.065	.052	.008	.011	.054	.054	.056	.069	.081	.084	.088
Canada.....	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.908	3.630	3.617
OECD Europe4/.....	.856	.587	.493	.476	.586	.459	.484	.647	.864	.708	.628
Main European Importers	.475	.288	.242	.152	.232	.187	.197	.216	.217	.227	.215
France.....	.902	.746	.671	.583	.817	.782	.643	.619	.626	.595	.573
Germany5/.....	.342	.279	.345	.294	.509	.516	.587	.663	.647	.609	.624
Italy.....	.488	.399	.377	.264	.328	.295	.306	.352	.291	.281	.232
Netherlands.....											
Spain.....											
European Net Exporters	.009	.005	.006	.003	.006	.002	-	-	.000	.011	.000
Norway.....	.323	.176	.144	.144	.173	.164	.212	.240	.250	.222	.220
United Kingdom...											
Smaller European Importers	.044	.026	.024	.023	.011	.026	.025	.022	.016	.021	.030
Austria.....	.235	.104	.094	.088	.182	.162	.224	.277	.250	.248	.266
Belgium.....	.023	.031	.042	.022	.024	.047	.063	.067	.043	.004	.000
Denmark.....	.004	.001	-	.000	-	-	-	-	-	-	-
Ireland.....	.033	.025	.020	.037	.021	.022	.011	.012	.011	.021	.026
Finland.....	.187	.132	.143	.122	.204	.211	.146	.181	.268	.219	.290
Greece.....	.107	.097	.081	.076	.088	.069	.066	.085	.073	.067	.075
Portugal.....	.054	.017	.005	.006	.036	.029	.045	.043	.039	.064	.081
Sweden.....	.020	.013	.012	.006	.008	.008	.007	.007	.007	.007	.007
Switzerland.....	.233	.239	.268	.265	.289	.348	.411	.323	.307	.324	.349
Turkey.....	2.674	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.591
Japan.....	.288	.225	.204	.176	.195	.299	.241	.267	.322	.301	.373
Other OECD.....											

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/ 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	6.420
Imports from OPEC ^{2/}	2.099	1.790	1.987	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.012
Imports from Persian Gulf ^{3/}											
Total.....	.691	.436	.502	.304	.909	1.072	1.526	1.857	1.961	1.835	1.774
Bahrain.....	-.001	-.001	-.001	-.001	.001	-.001	.000	-.001	-.001	-.001	-.002
Iran.....	.035	.048	.010	.027	.019	.098	.000	.000	.000	.032	.000
Iraq.....	.003	.010	.012	.046	.081	.083	.343	.449	.518	.000	.000
Kuwait.....	.005	.014	.036	.021	.068	.082	.092	.157	.086	.006	.051
U.A.E.....	.091	.029	.116	.044	.043	.059	.028	.027	.016	.001	.004
Qatar.....	.007	.000	.005	.000	.013	.000	.000	.002	.004	.000	.001
Saudi Arabia.....	.551	.336	.324	.168	.685	.751	1.063	1.224	1.339	1.797	1.720
Imports from OPEC-Africa											
Total.....	.750	.598	.598	.536	.737	.867	.934	1.134	1.144	1.040	1.000
Algeria.....	.170	.240	.323	.187	.271	.295	.300	.269	.280	.253	.196
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	1.161
Venezuela.....	.410	.420	.544	.602	.788	.801	.790	.861	1.016	1.020	1.161
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	5.286	5.380
Imports from OPEC1/	3.388	3.260	3.372	2.983	3.036	3.198	3.309	3.789	4.070	4.038	4.209
Imports from Persian Gulf2/	2.674	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.591
Total.....	2.674	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.591
Bahrain.....	.013	.024	.024	.026	.034	.037	.036	.042	.037	.037	.029
Iran.....	.228	.394	.258	.259	.220	.230	.187	.291	.385	.383	.360
Iraq.....	.070	.010	.015	.063	.164	.105	.173	.219	.146	.000	.000
Kuwait.....	.100	.156	.231	.215	.278	.347	.341	.458	.291	.014	.220
U.A.E.....	.584	.652	.674	.845	.890	.773	.822	.929	1.032	1.285	1.252
Qatar.....	.145	.147	.240	.220	.183	.139	.203	.250	.263	.285	.298
Saudi Arabia.....	1.534	1.254	1.330	.904	.789	1.005	.930	.984	1.240	1.367	1.432
Imports from OPEC-Africa											
Total.....	.060	.038	.012	.010	.016	.023	.044	.016	.020	.022	.015
Algeria.....	.055	.038	.012	.010	.015	.023	.044	.015	.010	.010	.007
Gabon.....	.002	-	-	-	-	-	-	.002	.009	.011	.008
Libya.....	.003	-	-	.001	.001	-	-	-	-	-	-
Nigeria.....	-	-	-	-	-	-	-	-	.001	.001	.000
Imports from OPEC-South America											
Total.....	.027	.023	.017	.014	.012	.012	.011	.011	.011	.010	.010
Venezuela.....	.027	.023	.017	.014	.012	.012	.011	.011	.011	.010	.010
Imports from OPEC-Far East											
Total.....	.639	.586	.594	.452	.486	.563	.599	.631	.682	.673	.622
Indonesia.....	.639	.586	.594	.452	.486	.563	.599	.631	.682	.673	.622

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 Europe¹/—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	8.444
Imports from OPEC ² /	6.815	5.721	5.548	5.395	6.163	5.628	5.873	6.205	6.656	6.827	6.812
Imports from Persian Gulf ³ /	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.908	3.630	3.617
Bahrain.....	.004	.005	.019	.004	.002	.001	.009	.005	.020	.002	.003
Iran.....	.845	.859	.841	.648	.511	.732	.850	1.076	1.190	1.132	1.102
Iraq.....	.424	.388	.516	.673	.717	.905	.959	.897	.591	.000	.000
Kuwait.....	.180	.251	.324	.356	.456	.469	.474	.452	.346	.019	.122
U.A.E.....	.371	.343	.265	.131	.164	.206	.134	.214	.446	.251	.176
Qatar.....	.127	.077	.118	.051	.054	.040	.021	.024	.026	.009	.006
Saudi Arabia.....	2.383	1.241	.884	.698	1.609	.978	.981	1.086	1.290	2.217	2.208
Imports from OPEC–Africa											
Total.....	2.179	2.228	2.318	2.524	2.398	2.089	2.230	2.241	2.533	2.947	2.915
Algeria.....	.644	.578	.574	.659	.615	.627	.646	.648	.683	.757	.774
Gabon.....	.052	.062	.067	.077	.090	.031	.031	.017	.024	.129	.095
Libya.....	.940	.940	.894	.948	.967	.962	1.071	1.044	1.267	1.333	1.365
Nigeria.....	.543	.647	.783	.841	.727	.469	.481	.532	.559	.729	.682
Imports from OPEC–South America											
Total.....	.299	.324	.267	.307	.252	.208	.220	.212	.227	.249	.273
Venezuela.....	.299	.324	.267	.307	.252	.208	.220	.212	.227	.249	.273
Imports from OPEC–Far East											
Total.....	.008	.010	.015	.008	.002	.002	.005	.004	.008	.002	.009
Indonesia.....	.008	.010	.015	.008	.002	.002	.005	.004	.008	.002	.009

- 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/											
Total.....	.856	.587	.493	.476	.586	.459	.484	.647	.864	.708	.628
Bahrain.....	.001	.003	.001	-	.001	-	.007	.002	.011	.000	.001
Iran.....	.078	.085	.068	.082	.065	.088	.012	.158	.182	.171	.149
Iraq.....	.030	.041	.072	.138	.109	.151	.143	.128	.062	.000	.000
Kuwait.....	.018	.019	.019	.035	.023	.044	.017	.021	.015	.011	.029
U.A.E.....	.134	.130	.089	.054	.035	-	.017	.040	.233	.064	.033
Qatar.....	.042	.018	.043	.034	.030	.002	.017	.009	.022	.003	.002
Saudi Arabia.....	.554	.291	.200	.134	.324	.175	.271	.288	.339	.459	.414
Imports from OPEC-Africa											
Total.....	.397	.394	.451	.387	.344	.212	.249	.218	.233	.376	.340
Algeria.....	.186	.149	.158	.109	.089	.072	.079	.089	.092	.107	.100
Gabon.....	.025	.011	.025	.043	.065	-	-	-	.000	.080	.066
Libya.....	.052	.065	.076	.070	.061	.064	.090	.065	.079	.104	.086
Nigeria.....	.133	.169	.192	.165	.129	.076	.079	.064	.062	.084	.088
Imports from OPEC-South America											
Total.....	.028	.031	.018	.020	.019	.012	.011	.012	.015	.017	.011
Venezuela.....	.028	.031	.018	.020	.019	.012	.011	.012	.015	.017	.011
Imports from OPEC-Far East											
Total.....	.001	-	.000	.002	.000	-	-	.000	.000	.001	.001
Indonesia.....	.001	-	.000	.002	.000	-	-	.000	.000	.001	.001

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

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

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

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

Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.13 Germany^{1/}—Net Oil Imports 1982–1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Average											
Total Net Imports...	2.114	2.087	2.115	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.755
Imports from OPEC ^{2/}	1.007	.868	.807	.787	.831	.679	.761	.739	.776	.871	.966
Imports from Persian Gulf ^{3/}	.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	.009
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											
Total.....	.491	.475	.483	.532	.485	.405	.472	.436	.469	.537	.622
Algeria.....	.119	.104	.086	.130	.137	.146	.141	.106	.098	.126	.185
Gabon.....	.006	.003	.006	.003	.001	.004	—	—	.005	.013	.006
Libya.....	.233	.218	.200	.201	.152	.160	.237	.235	.244	.262	.252
Nigeria.....	.133	.150	.191	.197	.195	.095	.095	.095	.123	.136	.179
Imports from OPEC-South America											
Total.....	.042	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128
Venezuela.....	.042	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128
Imports from OPEC-Far East											
Total.....	.000	—	—	.000	.001	.002	—	—	.002	.000	.000
Indonesia.....	.000	—	—	.000	.001	.002	—	—	.002	.000	.000

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

2/ OPEC=Organization of Petroleum Exporting Countries. 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 OPEC1/	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 Gulf2/	.902	.746	.671	.583	.817	.782	.643	.619	.626	.595	.573
Total.....	.001	.000	—	.002	.001	.000	—	.001	.000	.001	.001
Bahrain.....	.258	.238	.190	.146	.135	.141	.093	.124	.192	.231	.239
Iran.....	.117	.096	.098	.139	.114	.167	.198	.138	.079	.000	.000
Iraq.....	.072	.087	.108	.132	.147	.142	.118	.093	.063	.000	.007
Kuwait.....	.036	.067	.053	.024	.051	.109	.060	.085	.075	.044	.013
U.A.E.....	.029	.013	.018	.007	.004	.029	.002	.008	.000	.004	.001
Qatar.....	.390	.244	.204	.134	.364	.194	.171	.171	.216	.315	.312
Saudi Arabia.....											
Imports from OPEC-Africa	.409	.393	.450	.552	.507	.489	.517	.627	.740	.799	.758
Total.....	.117	.062	.067	.110	.087	.109	.108	.150	.155	.155	.140
Algeria.....	.001	.009	.001	.001	.001	—	.001	.001	.000	.006	.000
Gabon.....	.226	.225	.261	.299	.309	.342	.389	.430	.556	.581	.584
Libya.....	.066	.097	.121	.142	.110	.038	.019	.045	.029	.057	.034
Nigeria.....											
Imports from OPEC-South America	.097	.075	.076	.072	.039	.037	.029	.014	.007	.004	.005
Total.....	.097	.075	.076	.072	.039	.037	.029	.014	.007	.004	.005
Venezuela.....											
Imports from OPEC-Far East	.002	—	.001	—	—	—	.002	.002	.003	.001	.009
Total.....	.002	—	.001	—	—	—	.002	.002	.003	.001	.009
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 4.15 OECD^{1/} Imports from Iraq 1982-1992
(Million Barrels per Day of Crude Oil, Natural Gas Liquids and Refined Products)

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

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

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

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

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

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

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

Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Table 4.16 OECD1/ Imports from Kuwait 1982-1992

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

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Total.....	0.309	0.456	0.631	0.624	0.829	0.925	0.936	1.084	0.740	0.039	0.393
United States ^{2/}	.005	.014	.036	.021	.068	.082	.092	.157	.086	.006	.051
Canada.....	.000	.003	-	-	-	-	-	-	.004	-	-
OECD Europe ^{3/}	.180	.251	.324	.356	.456	.469	.474	.452	.346	.019	.122
Main European Importers											
France.....	.018	.019	.019	.035	.023	.044	.017	.021	.015	.011	.029
Germany ^{4/}	.013	.029	.026	.021	.021	.017	.013	.022	.013	.000	.009
Italy.....	.072	.087	.108	.132	.147	.142	.118	.093	.063	.000	.007
Netherlands.....	.038	.065	.095	.098	.122	.150	.189	.194	.151	.002	.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	.220
Other OECD.....	.024	.032	.039	.032	.028	.026	.029	.017	.013	.000	.001

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

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

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

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

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

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

Data for 1991 and 1992 are preliminary.

Sources: See end of Section 4.

Sources for Section 4 (Historical Oil Data)

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

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

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

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