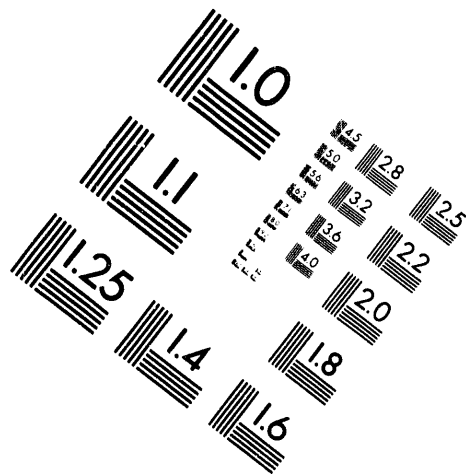
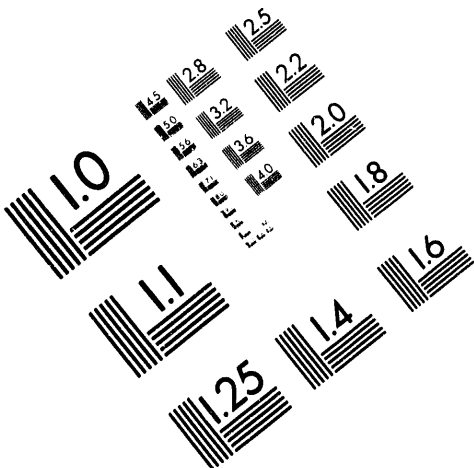




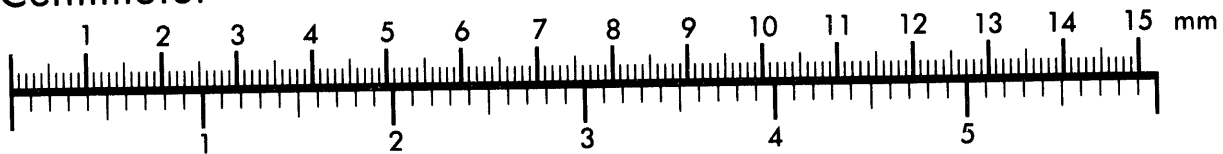
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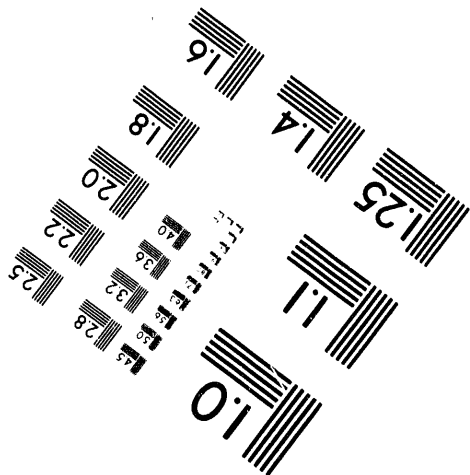
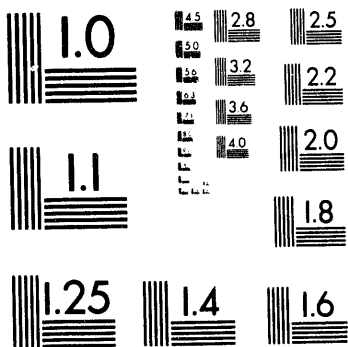
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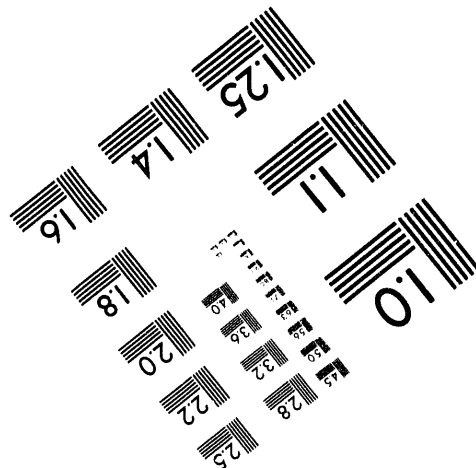
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**1 of 1**

# International Petroleum Statistics Report

**August 1994**

**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.*

**MASTER**

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## Preface

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

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

The International Petroleum Statistics Report presents data on international oil production, demand, imports, exports, and stocks. The report has four sections. Section 1 contains time series data on world oil production, and on oil demand and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1985, and monthly data for the most recent two years. Section 2 presents an oil supply/demand balance for the world. This balance is presented in quarterly intervals for the most recent two years. Section 3 presents data on oil imports by OECD countries. This section contains annual data for the most recent year, quarterly data for the most recent two quarters, and monthly data for the most recent twelve months. Section 4 presents annual time series data on world oil production and oil stocks, demand, and trade in OECD countries. World oil production and OECD demand data are for the years 1970 through 1993; OECD stocks from 1973 through 1993; and OECD trade from 1983 through 1993.

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 (202) 586-9415, or Patricia A. Smith (202) 586-6925 or to H. Vicky McLaine (202) 586-9412; Oil Market Chronology - Lowell Feld (202) 586-9502.

## Oil Market Chronology -- July 1994

*The following chronology lists international events of potential significance for world petroleum markets.*

- July 1 Oil production from the 180,000 barrel per day (b/d) Marib oil concession in north Yemen is halted following an air raid in Yemen's eight-week-old civil war.
- Norwegian oil workers and employers fail to reach an agreement in wage talks. The Norwegian government imposes mandatory arbitration, making any strike or lock-out illegal.
- July 3 An idle Iraq-Turkey pipeline catches fire after Kurdish guerrillas reportedly bomb it. This is the fourth attack on the pipeline in four months.
- July 4 Nigeria's powerful oil worker's union, the National Union of Petroleum and Natural Gas Workers, halts work in a strike. The union is demanding that the military government release from jail Moshood Abiola, the apparent winner of the June 12, 1993 presidential election.
- July 5 Workers at Brazil's state oil company, Petrobras, strike in demand of a 50 percent pay increase, closing 8 of the company's 10 refineries and halting 70 percent of refinery output.
- July 6 Texaco Corporation announces plans to sell about half of its 600 producing fields in the United States and cut 2,500 jobs as part of its broad move to reduce costs.
- July 8 Yemen's 65-day-old civil war ends when the northern troops seize Aden, the southern capital.
- July 11 Nigeria's largest refinery, the 125,000 b/d Warri refinery, closes due to the oil worker's strike.
- July 12 Members of the Petroleum and Natural Gas Senior Staff Association join the strike in Nigeria. Also, Chevron closes its Jislike oil field due to the worker's strike.
- July 13 An explosion damages the crucial Kaduna oil pipeline in Nigeria. It is believed to have been the result of sabotage by striking oil workers.
- July 19 Talks between Kazakhstan, Oman and Russia break down and threatens to stall the \$1.3 billion Caspian Oil Pipeline project, which is slated to link the Tengiz oil field in Kazakhstan to the Russian Black Sea port of Novorossiysk.
- July 21 The continuing strike in Nigeria causes Texaco Inc. to cut back its 60,000 b/d Nigerian production by about 10,000-15,000 b/d.
- July 24 Yemen's 120,000 b/d Aden refinery resumes operations after being inoperable since June 1 due to civil war. Most of the damage had been in the piping and the storage tanks.
- July 26 Exxon and 3,500 native Alaskans reach a \$20 million settlement of claims by the natives against Exxon for fish, seals, kelp and other food lost in the 1989 Exxon Valdez oil spill.

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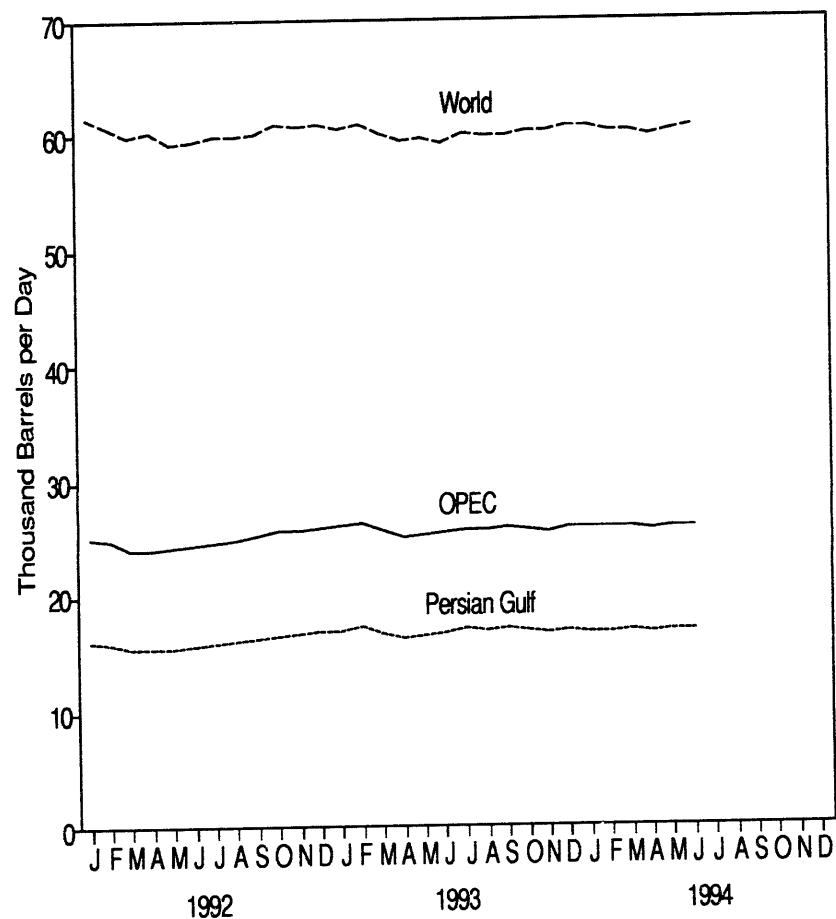
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## **1. Annual and Monthly Oil Data**

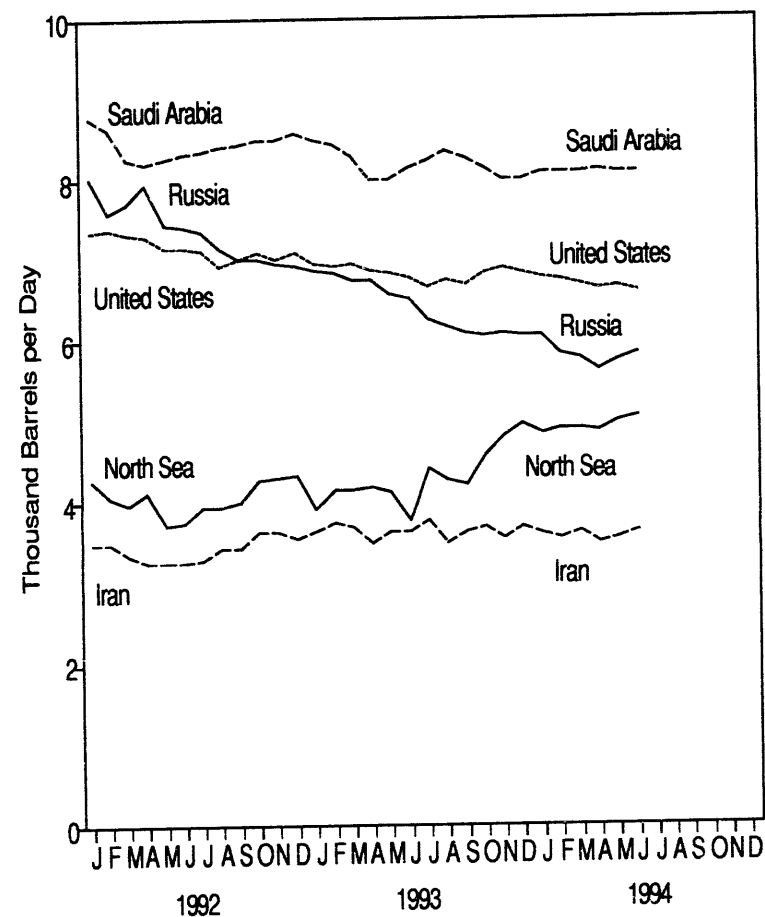


**Figure 1. World Crude Oil Production, Monthly**



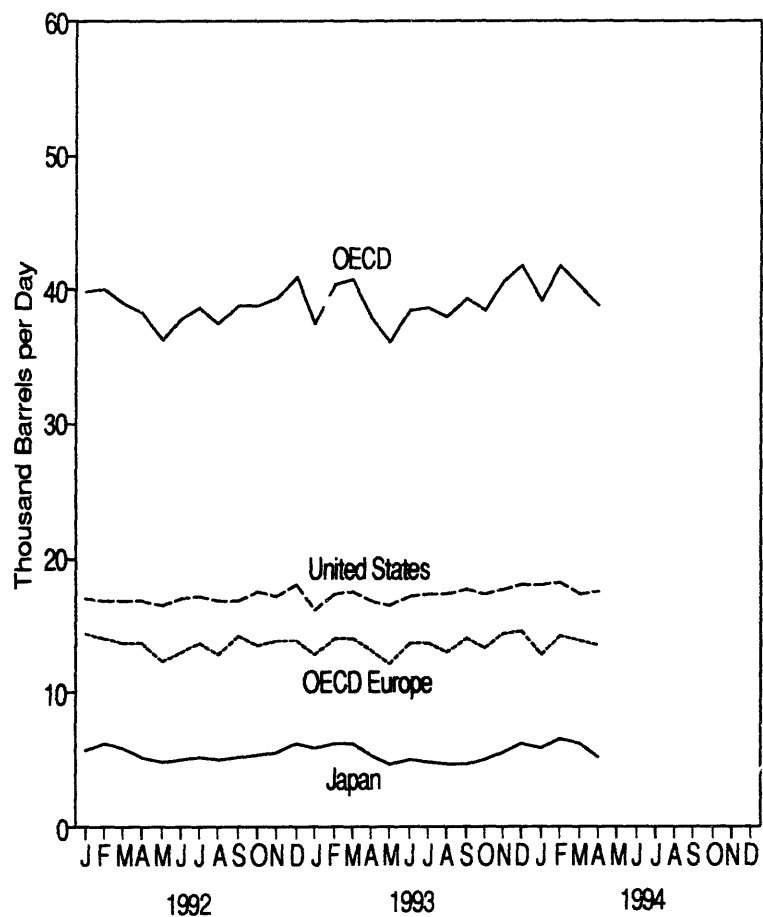
Source: Tables 1.1a-1.1c

**Figure 2. Leading Crude Oil Producers, Monthly**



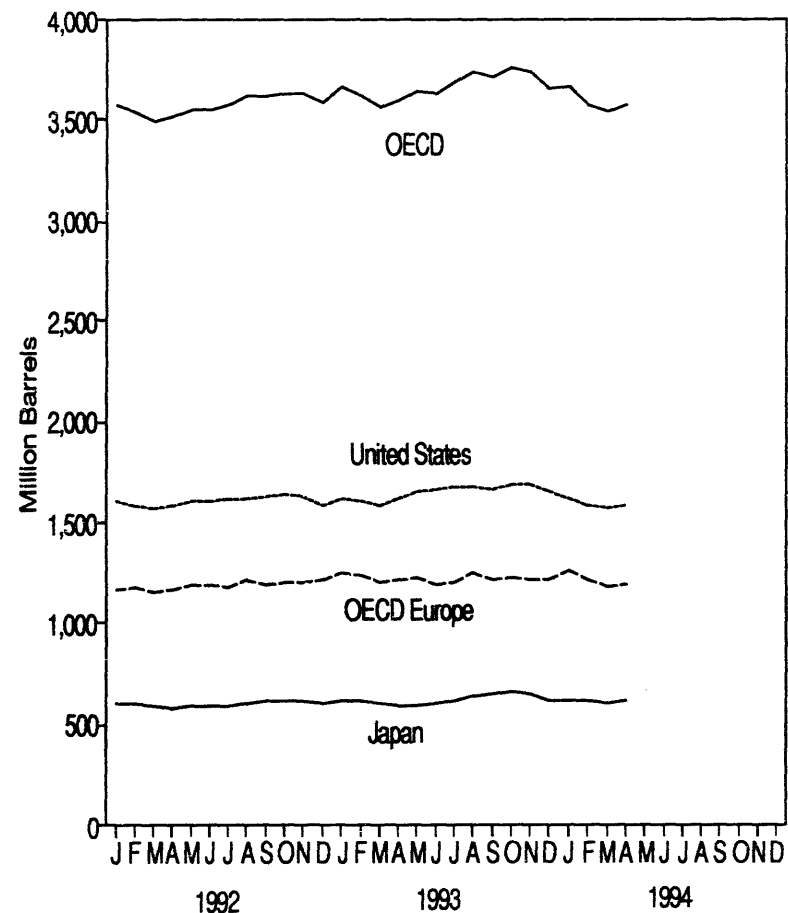
Source: Tables 1.1a-1.1c

Figure 3. OECD Oil Consumption, Monthly



Source: Table 1.7

Figure 4. OECD Oil Stocks, Monthly



Source: Table 1.5

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

	Algeria	Gabon	Indo- nesia	Iran	Iraq	Kuwait <sup>1/</sup>	Libya	Nigeria	Qatar	Saudi Arabia <sup>1/</sup>	United Arab Emirates	Vene- zuela	Total OPEC
1985 Average.....	1,037	172	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	16,353
1986 Average.....	945	166	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	18,441
1987 Average.....	1,048	155	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	18,672
1988 Average.....	1,040	159	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	20,483
1989 Average.....	1,095	208	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	22,279
1990 Average.....	1,175	270	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,465
1991 Average.....	1,230	294	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,569
1992 Average.....	1,217	298	1,566	3,429	450	1,029	1,483	1,982	396	8,438	2,325	2,334	24,947
1993 January.....	1,210	300	1,550	3,650	500	1,675	1,480	2,125	450	8,500	2,295	2,410	26,145
February.....	1,210	300	1,530	3,750	500	1,865	1,425	2,105	430	8,440	2,305	2,390	26,250
March.....	1,200	300	1,500	3,700	500	1,650	1,350	2,075	400	8,300	2,270	2,340	25,585
April.....	1,200	300	1,480	3,500	500	1,645	1,350	2,025	400	8,000	2,270	2,340	25,010
May.....	1,200	300	1,510	3,650	500	1,713	1,350	2,025	420	8,000	2,230	2,340	25,238
June.....	1,200	300	1,510	3,650	500	1,775	1,350	1,995	400	8,150	2,230	2,340	25,400
July.....	1,180	290	1,510	3,800	500	1,940	1,350	1,975	410	8,240	2,210	2,390	25,795
August.....	1,180	290	1,510	3,500	500	2,045	1,370	2,025	410	8,345	2,210	2,390	25,775
September.....	1,180	290	1,510	3,650	530	2,020	1,370	2,045	410	8,270	2,220	2,380	25,875
October.....	1,180	290	1,480	3,700	530	2,045	1,390	2,005	410	8,145	2,220	2,400	25,795
November.....	1,170	290	1,480	3,550	540	2,045	1,370	2,025	410	7,995	2,220	2,400	25,495
December.....	1,170	290	1,510	3,700	540	2,050	1,370	2,175	410	8,000	2,220	2,400	25,835
1993 Average.....	1,190	295	1,507	3,650	512	1,872	1,377	2,050	413	8,198	2,241	2,377	25,681
1994 January.....	1,170	290	1,510	3,600	540	1,995	1,370	2,175	410	8,095	2,220	2,490	25,865
February.....	1,170	290	1,510	3,550	540	1,998	1,370	2,175	395	8,088	2,245	2,490	25,820
March.....	1,170	310	1,510	3,650	540	2,005	1,370	2,125	410	8,095	2,220	2,490	25,895
April.....	1,170	330	1,510	3,500	550	2,020	1,370	2,045	410	8,110	2,220	2,480	25,715
May.....	1,170	340	1,510	3,550	550	2,050	1,370	2,075	410	8,090	2,230	2,500	25,845
June.....	1,170	340	1,510	3,650	550	2,050	1,370	2,065	420	8,090	2,250	2,500	25,965
1994 Average.....	1,170	317	1,510	3,584	545	2,020	1,370	2,110	409	8,095	2,231	2,492	25,851

<sup>1/</sup> Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In June 1994, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 380 thousand barrels per day.

R=Revised data.

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

Sources: See end of Section 1.

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

	Norway	United Kingdom	North Sea <sup>1/</sup>	Angola	Argentina	Australia	Brazil	Canada	China	Colombia	Ecuador
1985 Average.....	788	2,530	3,417	231	460	575	564	1,471	2,505	176	281
1986 Average.....	870	2,539	3,547	282	434	520	572	1,474	2,620	305	293
1987 Average.....	1,022	2,406	3,584	360	428	547	566	1,535	2,690	385	174
1988 Average.....	1,158	2,232	3,540	452	449	538	554	1,616	2,730	378	302
1989 Average.....	1,554	1,802	3,515	455	460	490	596	1,560	2,757	403	279
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,122	1,825	4,068	532	553	538	626	1,598	2,838	438	318
1993 January.....	2,010	1,815	3,945	475	560	520	625	1,570	2,885	450	330
February.....	2,110	1,925	4,152	495	560	505	635	1,610	2,875	495	330
March.....	2,320	1,710	4,152	500	570	505	620	1,635	2,885	470	330
April.....	2,335	1,695	4,198	533	570	521	618	1,605	2,900	445	330
May.....	2,255	1,745	4,114	533	595	537	625	1,660	2,925	465	345
June.....	1,985	1,675	3,781	473	575	530	625	1,725	2,960	490	350
July.....	2,360	1,930	4,408	480	575	505	630	1,710	2,930	435	350
August.....	2,240	1,940	4,283	480	595	495	640	1,770	2,855	405	350
September.....	2,145	1,945	4,213	500	595	495	640	1,740	2,895	450	350
October.....	2,390	2,060	4,595	500	600	415	665	1,725	2,975	465	360
November.....	2,475	2,195	4,825	505	600	460	665	1,675	2,945	470	360
December.....	2,525	2,270	4,964	510	615	460	680	1,710	2,898	440	360
1993 Average.....	2,264	1,909	4,304	499	584	496	639	1,678	2,911	456	346
1994 January.....	2,395	2,280	4,857	510	615	475	680	1,665	2,900	460	360
February.....	2,470	2,280	4,920	525	625	510	670	1,720	2,920	475	360
March.....	2,415	2,315	4,909	505	625	500	670	1,705	2,920	460	360
April.....	2,355	2,340	4,864	525	R640	520	670	1,660	2,940	460	R365
May.....	2,470	2,345	4,982	525	R640	520	680	R1,695	2,940	R360	R365
June.....	2,535	2,345	5,043	525	640	535	680	1,720	2,950	430	365
1994 Average.....	2,439	2,318	4,929	519	631	510	675	1,694	2,928	440	363

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

R=Revised data.

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

Sources: See end of Section 1.

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

	Egypt	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other <sup>1/</sup>	World
1985 Average.....	887	620	440	2,745	498	--	11,585	178	8,971	2,123	53,981
1986 Average.....	813	630	504	2,435	560	--	11,895	194	8,680	2,166	56,227
1987 Average.....	896	609	497	2,548	582	--	11,985	230	8,349	2,120	56,601
1988 Average.....	848	635	540	2,512	617	--	11,978	265	8,140	2,235	58,662
1989 Average.....	865	700	585	2,520	641	--	11,625	340	7,613	2,249	59,773
1990 Average.....	873	660	619	2,553	685	--	10,880	388	7,355	2,253	60,471
1991 Average.....	874	615	646	2,680	700	--	9,887	492	7,417	2,277	60,105
1992 Average.....	881	558	653	2,668	738	7,386	--	531	7,171	3,333	60,255
1993 January.....	870	535	645	2,605	750	6,868	--	560	6,961	3,338	60,517
February.....	870	520	650	2,610	750	6,855	--	560	6,943	3,327	60,874
March.....	870	520	650	2,635	750	6,767	--	570	6,974	3,288	60,154
April.....	870	505	610	2,674	750	6,749	--	575	6,881	3,263	59,439
May.....	900	480	610	2,673	768	6,600	--	575	6,847	3,255	59,630
June.....	900	520	610	2,675	770	6,516	--	575	6,795	3,212	59,361
July.....	870	530	650	2,650	780	6,269	--	580	6,688	3,251	59,968
August.....	870	530	650	2,650	790	6,186	--	580	6,758	3,235	59,794
September.....	870	540	650	2,700	800	6,089	--	580	6,712	3,246	59,817
October.....	870	540	650	2,700	800	6,084	--	580	6,839	3,260	60,273
November.....	870	550	630	2,730	800	6,089	--	580	6,912	3,321	60,327
December.....	870	550	630	2,745	800	6,062	--	530	6,858	3,370	60,718
1993 Average.....	875	527	636	2,671	776	6,425	--	570	6,847	3,280	60,070
1994 January.....	870	550	630	2,745	765	6,062	--	570	E6,777	3,373	60,548
February.....	870	540	650	2,710	765	5,825	--	570	E6,745	3,348	60,397
March.....	870	555	650	2,685	765	5,776	--	570	E6,719	3,346	60,306
April.....	860	555	630	2,700	800	5,622	--	570	E6,634	R3,303	R59,864
May.....	860	R570	630	2,700	800	R5,754	--	570	RE6,658	R3,318	R60,246
June.....	860	570	630	2,700	800	5,851	--	570	PE6,610	3,319	60,601
1994 Average.....	865	557	637	2,707	783	5,816	--	570	PE6,690	3,335	60,327

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

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

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

Sources: See end of Section 1.

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

	Algeria	Gabon	Indonesia	Iran	Iraq	Kuwait <sup>1/</sup>	Libya	Nigeria	Qatar	Saudi Arabia <sup>1/</sup>	United Arab Emirates	Venezuela	Total OPEC
1985 Average...	702	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,675
1986 Average...	600	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,741
1987 Average...	648	155	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,803
1988 Average...	640	159	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,580
1989 Average...	690	208	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,409
1990 Average...	765	277	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,007	22,735
1991 Average...	800	294	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,800
1992 Average...	787	298	1,386	3,429	450	1,029	1,483	1,904	396	8,438	2,275	2,294	24,169
1993 January...	780	300	1,370	3,650	500	1,675	1,480	2,000	450	8,500	2,245	2,370	25,320
February...	780	300	1,350	3,750	500	1,865	1,425	1,980	430	8,440	2,255	2,350	25,425
March.....	770	300	1,320	3,700	500	1,650	1,350	1,950	400	8,300	2,220	2,300	24,760
April.....	770	300	1,300	3,500	500	1,645	1,350	1,900	400	8,000	2,220	2,300	24,185
May.....	770	300	1,330	3,650	500	1,713	1,350	1,900	420	8,000	2,180	2,300	24,413
June.....	770	300	1,330	3,650	500	1,775	1,350	1,870	400	8,150	2,180	2,300	24,575
July.....	750	290	1,330	3,800	500	1,940	1,350	1,850	410	8,240	2,160	2,350	24,970
August....	750	290	1,330	3,500	500	2,045	1,370	1,900	410	8,345	2,160	2,350	24,950
September.	750	290	1,330	3,650	530	2,020	1,370	1,920	410	8,270	2,170	2,340	25,050
October...	750	290	1,300	3,700	530	2,045	1,390	1,880	410	8,145	2,170	2,360	24,970
November..	740	290	1,300	3,550	540	2,045	1,370	1,900	410	7,995	2,170	2,360	24,670
December..	740	290	1,330	3,700	540	2,050	1,370	2,050	410	8,000	2,170	2,360	25,010
1993 Average...	760	295	1,327	3,650	512	1,872	1,377	1,925	413	8,198	2,191	2,337	24,856
1994 January...	740	290	1,330	3,600	540	1,995	1,370	2,050	410	8,095	2,170	2,450	25,040
February...	740	290	1,330	3,550	540	1,998	1,370	2,050	395	8,088	2,195	2,450	24,995
March.....	740	310	1,330	3,650	540	2,005	1,370	2,000	410	8,095	2,170	2,450	25,070
April.....	740	330	1,330	3,500	550	2,020	1,370	1,920	410	8,110	2,170	2,440	24,890
May.....	740	340	1,330	3,550	550	2,050	1,370	1,950	410	8,090	2,180	2,460	25,020
June.....	740	340	1,330	3,650	550	2,050	1,370	1,940	420	8,090	2,200	2,460	25,140
1994 Average...	740	317	1,330	3,584	545	2,020	1,370	1,985	409	8,095	2,181	2,452	25,026

<sup>1/</sup> Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In June 1994, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 380 thousand barrels per day.

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

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

Sources: See end of Section 1.

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

	Algeria	Canada	Mexico	Saudi Arabia	Former USSR	United States <sup>1/</sup>	Persian Gulf <sup>2/</sup>	OAPEC <sup>3/</sup>	OPEC <sup>3/</sup>	World
1985 Average.....	120	337	271	375	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	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	570	1,559	930	1,107	1,281	4,735
1991 Average.....	140	431	457	680	525	1,659	950	1,132	1,312	4,955
1992 Average.....	145	459	446	720	525	1,697	1,013	1,190	1,380	5,118
1993 January.....	145	425	455	725	525	1,737	1,017	1,194	1,386	5,142
February.....	145	425	450	720	525	1,777	1,012	1,189	1,381	5,187
March.....	145	440	450	710	525	1,793	1,012	1,189	1,381	5,198
April.....	145	440	445	710	525	1,802	1,012	1,189	1,381	5,202
May.....	145	450	450	700	525	1,732	1,027	1,204	1,396	5,162
June.....	145	450	460	700	525	1,753	1,027	1,204	1,396	5,173
July.....	145	505	460	705	525	1,741	1,057	1,234	1,426	5,286
August.....	145	505	450	710	525	1,747	1,062	1,239	1,431	5,287
September...	145	520	455	710	525	1,732	1,062	1,239	1,431	5,292
October.....	145	510	455	695	525	1,768	1,047	1,224	1,416	5,323
November.....	145	515	470	685	525	1,670	1,037	1,214	1,406	5,245
December.....	145	520	480	685	525	1,579	1,037	1,214	1,406	5,159
1993 Average.....	145	476	457	704	525	1,736	1,034	1,211	1,403	5,221
1994 January.....	145	535	465	695	500	1,619	1,047	1,224	1,416	5,194
February.....	145	555	460	695	500	1,642	1,047	1,224	1,416	5,222
March.....	145	585	450	695	500	1,676	1,047	1,224	1,416	5,276
April.....	145	585	460	695	500	1,687	1,047	1,224	1,416	5,307
May.....	145	585	460	695	500	R1,715	1,047	1,224	1,416	R5,335
June.....	145	585	460	695	500	E1,678	1,047	1,224	1,416	5,298
1994 Average.....	145	572	459	695	500	E1,670	1,047	1,224	1,416	5,272

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

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

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

R=Revised data. E=Estimated.

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

Sources: See end of Section 1.

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

	United States <sup>1/</sup>	Persian Gulf <sup>2/</sup>	OAPEC <sup>3/</sup>	OPEC <sup>3/</sup>	World
1985 Average.....	11,192	10,320	11,498	17,324	59,264
1986 Average.....	10,905	12,441	13,653	19,477	61,771
1987 Average.....	10,648	12,869	13,992	19,745	62,410
1988 Average.....	10,473	14,310	15,662	21,625	64,673
1989 Average.....	9,880	15,733	16,658	23,532	65,854
1990 Average.....	9,677	16,249	17,232	24,807	66,722
1991 Average.....	9,883	15,723	16,766	24,933	66,623
1992 Average.....	9,768	17,149	18,108	26,379	67,067
1993 January.....	10,041	18,159	18,896	27,588	67,784
February.....	9,680	18,374	18,961	27,688	67,804
March.....	9,769	17,904	18,461	27,023	67,136
April.....	9,626	17,399	18,156	26,448	66,366
May.....	9,547	17,612	18,259	26,691	66,543
June.....	9,472	17,804	18,446	26,853	66,240
July.....	9,407	18,229	18,676	27,278	67,014
August.....	9,523	18,144	18,911	27,263	66,881
September.....	9,444	18,234	18,846	27,363	66,892
October.....	9,630	18,169	18,751	27,268	67,401
November.....	9,681	17,869	18,571	26,958	67,454
December.....	9,405	18,029	18,531	27,298	67,628
1993 Average.....	9,602	17,992	18,621	27,141	67,093
1994 January.....	E9,441	17,979	18,621	27,338	67,569
February.....	E9,256	17,934	18,621	27,293	67,270
March.....	E9,354	18,039	18,626	27,368	67,324
April.....	E9,305	17,929	18,656	27,188	R66,937
May.....	RE9,270	17,999	18,676	27,318	R67,260
June.....	PE9,349	18,129	18,706	27,438	67,742
1994 Average.....	PE9,330	18,002	18,651	27,324	67,352

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

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

<sup>3/</sup> OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in this group.

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

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

See Section 4 for historical series.

Sources: See end of Section 1.



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

		France	Italy	Germany <sup>1/</sup>	United Kingdom	OECD Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>	Total OECD
1985	December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986	December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987	December.....	127	169	259	121	1,130	1,607	126	540	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	1,181	1,617	119	606	65	3,588
1992	December.....	146	174	310	113	1,219	1,592	107	603	67	3,588
1993	January.....	162	173	319	120	R1,250	1,618	108	615	68	R3,660
	February.....	157	168	317	120	R1,236	1,602	102	607	68	R3,616
	March.....	138	165	312	120	1,202	1,590	107	594	66	3,559
	April.....	155	166	311	116	R1,215	1,617	R106	585	73	R3,595
	May.....	162	172	320	117	R1,227	1,650	106	593	69	R3,644
	June.....	139	168	310	119	1,188	1,667	107	603	70	3,634
	July.....	156	169	313	115	R1,207	1,682	112	618	70	R3,689
	August.....	168	170	316	117	R1,246	1,676	112	635	70	R3,739
	September.....	149	162	312	115	R1,209	1,665	108	648	77	R3,707
	October.....	167	162	318	111	R1,232	1,688	105	654	78	R3,758
	November.....	157	165	310	116	R1,219	1,686	107	644	78	R3,735
	December.....	158	165	310	118	1,213	1,647	104	617	68	3,649
1994	January.....	165	168	323	118	R1,257	1,620	102	618	69	R3,665
	February.....	160	158	316	112	1,212	1,581	R97	612	67	R3,569
	March.....	152	156	308	111	1,181	1,578	102	603	72	R3,536
	April.....	152	160	310	108	1,190	1,585	106	612	74	3,567

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

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

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

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

R=Revised data.

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

Sources: See end of Section 1.

**Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries (End of March 1994)**  
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	102	0	102
United States <sup>1/</sup> .....	988	590	1,578
United States Territories.....	26	0	26
Japan.....	348	255	603
Australia/New Zealand.....	46	NA	46
Austria.....	20	0	20
Belgium/Luxembourg.....	30	0	30
Denmark.....	25	0	25
Finland.....	19	0	19
France.....	152	0	152
Germany <sup>2/</sup> .....	255	53	308
Greece.....	34	NA	34
Ireland.....	6	2	8
Italy.....	150	6	156
Netherlands.....	88	0	88
Norway.....	36	0	36
Portugal.....	21	0	21
Spain.....	76	0	76
Sweden.....	34	0	34
Switzerland.....	30	0	30
Turkey.....	32	0	32
United Kingdom.....	111	0	111
OECD Europe.....	1,120	61	1,181
Total OECD.....	2,630	906	3,536

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

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

NA=Not Available.

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

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

Sources: See end of Section 1.

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

		France	Italy	Germany <sup>1/</sup>	United Kingdom	OECD Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>	Total OECD
1985	Average....	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271
1986	Average....	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279
1987	Average....	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911
1988	Average....	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093
1989	Average....	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570
1990	Average....	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475
1991	Average....	1,935	1,863	2,828	1,801	13,391	16,714	1,622	5,284	1,056	38,067
1992	Average....	1,926	1,937	2,843	1,803	13,605	17,033	1,643	5,446	R1,041	R38,768
1993											
	January....	1,953	1,858	2,532	1,715	R12,815	16,173	R1,556	5,929	R968	R37,441
	February...	2,139	1,970	2,897	1,863	R13,997	17,334	R1,665	6,278	R1,131	R40,406
	March.....	2,012	1,945	2,935	1,875	R14,018	17,575	R1,664	6,230	R1,169	R40,655
	April.....	1,933	R1,736	2,822	1,719	R13,116	16,781	1,572	5,440	R1,124	R38,034
	May.....	1,697	R1,715	2,589	1,664	R12,078	16,508	R1,580	4,754	R1,134	R36,054
	June.....	1,964	R1,763	3,047	1,796	R13,628	17,096	R1,673	4,949	R1,117	R38,463
	July.....	1,857	1,799	2,970	1,794	R13,664	17,357	1,700	4,849	R1,054	R38,624
	August.....	1,657	1,718	2,897	1,777	R13,084	17,332	1,716	4,777	R1,119	R38,027
	September..	1,796	1,921	3,168	1,834	R14,088	17,650	1,712	4,757	R1,092	R39,300
	October....	1,822	1,911	2,818	1,789	R13,369	17,323	1,639	5,011	R1,114	R38,456
	November...	2,076	2,095	3,062	1,970	R14,473	17,780	1,697	5,519	R1,131	R40,601
	December...	2,016	2,210	3,129	1,834	R14,563	17,953	1,685	6,237	R1,304	R41,743
	Average....	1,908	1,886	2,904	1,802	R13,568	17,237	1,655	5,389	R1,121	R38,970
1994											
	January....	1,878	1,797	2,473	R1,725	R12,762	17,924	R1,633	R5,885	R1,038	R39,241
	February...	1,999	1,932	2,990	R1,901	R14,201	18,302	R1,710	R6,493	R1,143	R41,850
	March.....	1,856	1,916	3,070	R1,937	R13,913	17,289	R1,668	R6,241	R1,193	R40,305
	April.....	1,882	1,843	2,916	1,795	13,413	17,428	1,586	5,268	1,154	38,848

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

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

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

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

R=Revised data.

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

Sources: See end of Section 1.

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

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

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1993 and Petroleum Supply Monthly, July 1994.

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 1993 and Petroleum Supply Monthly, July 1994.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues.  
o OECD, Monthly Oil Statistics data base, 1980-1994.

### Oil Demand

United States: EIA, Petroleum Supply Annual 1993 and Petroleum Supply Monthly, July 1994.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances, various issues. o OECD, Monthly Oil Statistics data base, 1980-1994.

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

**Table 2.1 World Oil Balance, 1990-1994**  
(Million Barrels Per Day)

	1990	1991	1992	1993				1994					
		Annual		Quarter				Annual	Quarter				Annual
		Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
Supply <sup>1/</sup>													
OECD													
United States <sup>2/</sup> .....	9.68	9.88	9.77	9.83	9.55	9.46	9.57	9.60	9.35	9.31	NA	NA	NA
Other OECD.....	7.35	7.57	7.92	7.85	7.87	8.30	8.73	8.19	8.92	9.05	NA	NA	NA
Total OECD.....	17.03	17.45	17.68	17.69	17.41	17.76	18.30	17.79	18.27	18.35	NA	NA	NA
Non-OECD													
OPEC.....	24.81	24.93	26.38	27.42	26.66	27.30	27.18	27.14	27.33	27.31	NA	NA	NA
Former USSR.....	11.40	10.41	8.91	8.28	8.04	7.55	7.43	7.82	7.19	7.02	NA	NA	NA
Other Non-OECD.....	13.48	13.82	14.09	14.18	14.26	14.32	14.59	14.34	14.60	14.62	NA	NA	NA
Total Non-OECD.....	49.69	49.17	49.38	49.88	48.97	49.17	49.20	49.30	49.12	48.96	NA	NA	NA
Total World Supply.....	66.72	66.62	67.07	67.57	66.38	66.93	67.49	67.09	67.39	67.31	NA	NA	NA
Demand <sup>3/</sup>													
OECD													
United States <sup>2/</sup> .....	16.99	16.71	17.03	17.02	16.79	17.44	17.68	17.24	17.82	NA	NA	NA	NA
Other OECD.....	20.49	21.35	21.74	22.45	20.71	21.20	22.58	21.73	22.59	NA	NA	NA	NA
Total OECD.....	37.47	38.07	38.77	39.47	37.50	38.64	40.26	38.97	40.42	NA	NA	NA	NA
Non-OECD													
China.....	2.30	2.50	2.63	2.78	2.90	3.00	3.10	2.95	3.12	NA	NA	NA	NA
Former USSR.....	8.39	8.35	6.70	6.33	5.60	5.15	5.35	5.60	5.38	NA	NA	NA	NA
Other Non-OECD.....	18.00	17.79	18.64	19.62	19.33	19.18	20.02	19.54	20.26	NA	NA	NA	NA
Total Non-OECD.....	28.68	28.64	27.97	28.73	27.83	27.33	28.47	28.09	28.75	NA	NA	NA	NA
Total World Demand.....	66.16	66.71	66.75	68.20	65.33	65.97	68.73	67.06	69.17	NA	NA	NA	NA
Stock Draws / Discrepancy													
Net Reported Stock Draws <sup>4/</sup>													
U. S. Commercial.....	.01	-.04	.08	.05	-.79	.05	.21	-.12	.81	NA	NA	NA	NA
U. S. Strategic.....	-.07	.05	-.02	-.03	-.05	-.03	-.01	-.03	-.03	NA	NA	NA	NA
Other OECD.....	-.29	-.07	-.07	.31	.01	-.81	.44	-.01	.49	NA	NA	NA	NA
For Export & Afloat.....	.14	-.07	-.10	.00	.00	-.22	.05	-.04	.06	NA	NA	NA	NA
Commr. Floating Storage...	-.12	.15	.01	.00	.00	.00	.00	.00	.00	NA	NA	NA	NA
Total Reported Draws.....	-.34	.03	-.08	.33	-.83	-1.01	.69	-.21	1.31	NA	NA	NA	NA
Other Stock Draws and Statistical Discrepancy <sup>5/</sup>	-.22	.06	-.24	.31	-.23	.05	.55	.17	.46	NA	NA	NA	NA

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

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

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

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

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

NA=Not Available.

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

Sources: See end of Section 2.

**Table 2.2 World Oil Supply, 1990-1994**  
(Million Barrels Per Day)

	1990				1991				1992				1993				1994			
	Annual				Quarter				Annual				Quarter				Annual			
	Average				First Second Third Fourth				Average				First Second Third Fourth				Average			
OECD																				
United States <sup>1</sup> /...	9.68	9.88	9.77	9.83	9.55	9.46	9.57	9.60	9.35	9.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Canada.....	2.02	2.03	2.12	2.09	2.16	2.30	2.27	2.21	2.31	2.33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
North Sea <sup>2</sup> /.....	3.85	4.05	4.32	4.34	4.28	4.57	5.09	4.57	5.19	5.26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other OECD.....	1.48	1.49	1.47	1.42	1.43	1.43	1.37	1.41	1.42	1.45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total OECD.....	17.03	17.45	17.68	17.69	17.41	17.76	18.30	17.79	18.27	18.35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-OECD																				
OPEC																				
Crude																				
Algeria.....	1.17	1.23	1.22	1.21	1.20	1.18	1.17	1.19	1.17	1.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gabon.....	.27	.29	.30	.30	.30	.29	.29	.29	.30	.34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indonesia.....	1.46	1.59	1.57	1.53	1.50	1.51	1.49	1.51	1.51	1.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iran.....	3.09	3.31	3.43	3.70	3.60	3.65	3.65	3.65	3.60	3.57	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iraq.....	2.04	.30	.45	.50	.50	.51	.54	.51	.54	.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kuwait.....	1.17	.19	1.03	1.73	1.71	2.00	2.05	1.87	2.00	2.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya.....	1.38	1.48	1.48	1.42	1.35	1.36	1.38	1.38	1.37	1.37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nigeria.....	1.81	1.89	1.98	2.10	2.02	2.01	2.07	2.05	2.16	2.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Qatar.....	.41	.39	.40	.43	.41	.41	.41	.41	.41	.41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia..	6.41	8.11	8.44	8.41	8.05	8.29	8.05	8.20	8.09	8.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
United Arab																				
Emirates....	2.12	2.39	2.33	2.29	2.24	2.21	2.22	2.24	2.23	2.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Venezuela.....	2.14	2.38	2.33	2.38	2.34	2.39	2.40	2.38	2.49	2.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Natural Gas																				
Plant Liquids	1.28	1.31	1.38	1.38	1.39	1.43	1.41	1.40	1.42	1.42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Processing Gain.	.06	.05	.05	.06	.06	.06	.06	.06	.06	.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total OPEC.....	24.81	24.93	26.38	27.42	26.66	27.30	27.18	27.14	27.33	27.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Former USSR.....	11.40	10.41	8.91	8.28	8.04	7.55	7.43	7.82	7.19	7.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
China.....	2.77	2.83	2.84	2.88	2.93	2.89	2.94	2.91	2.91	2.94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mexico.....	3.01	3.17	3.14	3.10	3.15	3.15	3.22	3.16	3.20	3.19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Non-OECD....	7.70	7.82	8.11	8.20	8.18	8.28	8.43	8.27	8.48	8.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Non-OECD....	49.69	49.17	49.38	49.88	48.97	49.17	49.20	49.30	49.12	48.96	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Supply.....	66.72	66.62	67.07	67.57	66.38	66.93	67.49	67.09	67.39	67.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

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

NA=Not Available.

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

Sources: See end of Section 2.

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

	1990	1991	1992	1993				1994			
	Year End			Quarter				Quarter			
				First	Second	Third	Fourth	First	Second	Third	Fourth
OECD											
United States <sup>1/</sup>											
Commercial.....	1,035	1,048	1,017	1,012	1,084	1,079	1,060	988	NA	NA	NA
Strategic.....	586	569	575	578	583	586	587	590	NA	NA	NA
U. S. Territories.....	28	24	24	22	25	29	25	26	NA	NA	NA
Canada.....	121	119	107	107	107	108	104	102	NA	NA	NA
Japan.....	590	606	603	594	603	648	617	603	NA	NA	NA
OECD Europe											
France.....	140	153	146	138	139	149	158	152	NA	NA	NA
Germany.....	265	288	310	312	310	312	310	308	NA	NA	NA
Italy.....	172	160	174	165	168	162	165	156	NA	NA	NA
United Kingdom.....	112	119	113	120	119	115	118	111	NA	NA	NA
Other OECD Europe....	475	461	476	467	452	470	462	455	NA	NA	NA
Total.....	1,163	1,181	1,219	1,202	1,188	1,209	1,213	1,181	NA	NA	NA
Australia & New Zealand	45	41	43	44	45	48	44	46	NA	NA	NA
Total OECD.....	3,568	3,588	3,588	3,559	3,634	3,707	3,649	3,536	NA	NA	NA
Stocks for Export											
and Afloat <sup>2/</sup> .....	870	895	930	930	930	950	945	940	NA	NA	NA
Commercial Floating <sup>3/</sup> ....	130	75	70	70	70	70	70	70	NA	NA	NA

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

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

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

NA=Not Available.

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

Sources: See end of Section 2.



**Table 2.4 World Oil Demand, 1990-1994**  
(Million Barrels Per Day)

	1990	1991	1992	1993				1994					
		Annual		Quarter				Annual	Quarter				Annual
		Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average
OECD													
United States <sup>1/</sup> .....	16.99	16.71	17.03	17.02	16.79	17.44	17.68	17.24	17.82	NA	NA	NA	NA
U. S. Territories.....	.21	.25	.22	.22	.24	.22	.27	.24	.24	NA	NA	NA	NA
Canada.....	1.69	1.62	1.64	1.63	1.61	1.71	1.67	1.65	1.67	NA	NA	NA	NA
Japan.....	5.14	5.28	5.45	6.14	5.04	4.79	5.59	5.39	6.20	NA	NA	NA	NA
OECD Europe <sup>2/</sup>													
France.....	1.82	1.94	1.93	2.03	1.86	1.77	1.97	1.91	1.91	NA	NA	NA	NA
Italy.....	1.87	1.86	1.94	1.92	1.74	1.81	2.07	1.89	1.88	NA	NA	NA	NA
United Kingdom.....	1.75	1.80	1.80	1.82	1.73	1.80	1.86	1.80	1.85	NA	NA	NA	NA
Germany <sup>3/</sup> .....	2.38	2.83	2.84	2.78	2.82	3.01	3.00	2.90	2.84	NA	NA	NA	NA
Other OECD Europe....	4.81	4.96	5.10	5.04	4.79	5.21	5.22	5.07	5.13	NA	NA	NA	NA
Total OECD Europe....	12.63	13.39	13.61	13.60	12.93	13.61	14.13	13.57	13.60	NA	NA	NA	NA
Australia & New Zealand	.82	.81	.82	.87	.89	.87	.91	.88	.89	NA	NA	NA	NA
Total OECD.....	37.47	38.07	38.77	39.47	37.50	38.64	40.26	38.97	40.42	NA	NA	NA	NA
Non-OECD													
China.....	2.30	2.50	2.63	2.78	2.90	3.00	3.10	2.95	3.12	NA	NA	NA	NA
Former USSR.....	8.39	8.35	6.70	6.33	5.60	5.15	5.35	5.60	5.38	NA	NA	NA	NA
Other Non-OECD.....	18.00	17.79	18.64	19.63	19.33	19.18	20.02	19.54	20.26	NA	NA	NA	NA
Total Non-OECD.....	28.68	28.64	27.97	28.73	27.83	27.33	28.47	28.09	28.75	NA	NA	NA	NA
Total World Demand.....	66.16	66.71	66.75	68.20	65.33	65.97	68.73	67.06	69.17	NA	NA	NA	NA

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

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

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

NA=Not Available.

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

Sources: See end of Section 2.

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

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

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1993 and Petroleum Supply Monthly, July 1994.

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 1993 and Petroleum Supply Monthly, July 1994.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues.  
o OECD, Monthly Oil Statistics data base, 1980-1994.  
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 1993 and Petroleum Supply Monthly, July 1994.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances, various issues. o OECD, Monthly Oil Statistics data base, 1980-1994.

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

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

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

**Table 3.1 Average Net Oil Imports into OECD Countries, 1993**  
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany <sup>1/</sup>	Italy	Other Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>
Total Net Imports..	21.180	8.090	-0.354	1.762	2.726	1.758	2.198	7.618	-0.582	5.472	0.582
Imports from OPEC <sup>5/</sup>	16.078	6.644	.440	1.046	.945	1.223	2.991	4.255	.268	4.279	.632
Imports from Persian Gulf <sup>6/</sup>											
Total.....	9.837	3.858	.303	.756	.249	.548	2.001	1.775	.106	3.714	.384
Bahrain.....	.027	.004	.000	.002	.000	.000	.001	-.002	-	.021	.003
Iran.....	1.627	1.205	.047	.243	.053	.221	.641	.000	.035	.384	.003
Iraq.....	.000	.000	-	-	-	-	.000	-	-	-	-
Kuwait.....	1.104	.373	.049	.032	.022	.012	.259	.353	.001	.367	.009
U.A.E.....	1.591	.102	.005	.025	.002	.002	.067	.009	.000	1.283	.197
Qatar.....	.341	.000	.000	.000	.000	.000	.000	.001	-	.330	.010
Saudi Arabia.....	5.147	2.173	.203	.454	.172	.313	1.032	1.414	.070	1.328	.162
Imports from OPEC-Africa											
Total.....	3.883	2.534	.085	.282	.591	.653	.923	1.108	.114	.046	.081
Algeria.....	.914	.654	.042	.066	.192	.096	.257	.220	.031	.008	.001
Gabon.....	.241	.044	.000	.041	.000	.000	.002	.152	.000	.038	.008
Libya.....	1.224	1.224	.039	.063	.244	.542	.336	.000	.000	-	.000
Nigeria.....	1.504	.612	.004	.112	.154	.015	.328	.736	.083	.000	.072
Imports from OPEC-South America											
Total.....	1.682	.237	.052	.010	.105	.002	.069	1.295	.048	.009	.093
Venezuela.....	1.682	.237	.052	.010	.105	.002	.069	1.295	.048	.009	.093
Imports from OPEC-Far East											
Total.....	.703	.019	.000	.000	.000	.019	.000	.074	.000	.532	.077
Indonesia.....	.703	.019	.000	.000	.000	.019	.000	.074	.000	.532	.077

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

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

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

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

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

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

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

Sources: See end of Section 3.

**Table 3.2 Net Oil Imports into OECD Countries, (1st Quarter 1994)**  
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany <sup>1/</sup>	Italy	Other Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>
Total Net Imports..	19.633	6.297	-0.779	1.644	2.665	1.728	1.038	7.382	-0.664	5.988	0.631
Imports from OPEC <sup>5/</sup>	14.906	5.535	.270	.997	.828	1.147	2.292	3.712	.298	4.764	.597
Imports from Persian Gulf <sup>6/</sup>											
Total.....	9.102	2.866	.157	.606	.178	.485	1.440	1.574	.153	4.244	.264
Bahrain.....	.040	.005	.000	.000	.004	.001	.000	.002	-	.032	.005
Iran.....	1.473	.878	.025	.105	.018	.204	.527	.000	.042	.544	.009
Iraq.....	.000	.000	-	-	-	-	.000	-	-	-	-
Kuwait.....	.949	.114	.049	.000	.019	.000	.047	.402	.000	.426	.006
U.A.E.....	1.594	.060	.000	.009	.001	.000	.050	.001	.000	1.447	.088
Qatar.....	.391	.000	.000	.000	.000	.000	.000	.000	-	.379	.012
Saudi Arabia.....	4.655	1.808	.084	.492	.137	.279	.816	1.176	.111	1.415	.145
Imports from OPEC-Africa											
Total.....	3.621	2.513	.068	.382	.596	.646	.822	.831	.104	.007	.165
Algeria.....	.779	.518	.016	.085	.177	.093	.148	.246	.012	.000	.003
Gabon.....	.206	.030	.000	.027	.000	.003	.000	.147	.000	.007	.022
Libya.....	1.231	1.231	.052	.084	.232	.517	.346	.000	.000	-	.000
Nigeria.....	1.405	.735	.000	.186	.187	.033	.328	.438	.092	.000	.140
Imports from OPEC-South America											
Total.....	1.488	.143	.045	.009	.058	.000	.030	1.191	.041	.016	.098
Venezuela.....	1.488	.143	.045	.009	.058	.000	.030	1.191	.041	.016	.098
Imports from OPEC-Far East											
Total.....	.735	.018	.000	.000	.000	.018	.000	.113	.000	.529	.075
Indonesia.....	.735	.018	.000	.000	.000	.018	.000	.113	.000	.529	.075

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

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

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

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

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

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

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

Sources: See end of Section 3.

**Table 3.3 Net Oil Imports into OECD Countries, (4th Quarter 1993)**  
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe			
		Total	United Kingdom	France	Germany <sup>1/</sup>	Italy	Other Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>
Total Net Imports..	20.935	7.960	-0.611	1.787	2.817	1.957	2.010	7.877	-0.669	5.216	0.551
Imports from OPEC <sup>5/</sup>	15.187	6.031	.412	1.045	.939	1.322	2.312	4.166	.271	4.146	.574
Imports from Persian Gulf <sup>6/</sup>											
Total.....	9.123	3.193	.294	.647	.274	.601	1.377	1.735	.097	3.745	.352
Bahrain.....	.006	.006	.000	.005	.001	.000	.000	-.002	-	.000	.002
Iran.....	1.337	.919	.036	.148	.046	.260	.429	.000	.028	.386	.004
Iraq.....	.000	.000	-	-	-	-	.000	-	-	-	-
Kuwait.....	1.100	.199	.062	.038	.019	.000	.079	.500	.004	.387	.010
U.A.E.....	1.587	.068	.000	.009	.003	.000	.056	-.005	.000	1.362	.162
Qatar.....	.377	.000	.000	.000	.000	.000	.000	.000	-	.351	.026
Saudi Arabia.....	4.715	2.002	.196	.448	.205	.341	.812	1.242	.065	1.258	.149
Imports from OPEC-Africa											
Total.....	3.883	2.616	.071	.390	.561	.696	.899	1.041	.129	.000	.097
Algeria.....	.812	.531	.029	.067	.170	.112	.153	.236	.045	.000	.000
Gabon.....	.256	.044	.000	.044	.000	.000	.000	.193	.000	.000	.020
Libya.....	1.277	1.277	.041	.060	.232	.562	.381	.000	.000	-	.000
Nigeria.....	1.538	.765	.000	.219	.158	.022	.365	.612	.084	.000	.078
Imports from OPEC-South America											
Total.....	1.581	.204	.048	.013	.106	.002	.036	1.270	.045	.006	.056
Venezuela.....	1.581	.204	.048	.013	.106	.002	.036	1.270	.045	.006	.056
Imports from OPEC-Far East											
Total.....	.606	.024	.000	.000	.000	.024	.000	.118	.000	.395	.070
Indonesia.....	.606	.024	.000	.000	.000	.024	.000	.118	.000	.395	.070

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

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

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

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

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

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

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

Sources: See end of Section 3.

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

	1993								1994			
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total.....	20.061	21.618	21.425	21.698	21.135	20.619	21.304	20.895	20.845	19.682	20.705	21.510
United States <sup>1/</sup> ....	7.581	7.905	8.218	7.600	7.629	8.316	7.923	7.394	6.987	7.619	7.564	8.059
Canada.....	-.561	-.516	-.472	-.617	-.726	-.756	-.531	-.715	-.616	-.830	-.456	-.597
OECD Europe <sup>2/</sup> .....	7.692	8.357	7.774	8.833	8.107	7.522	8.006	8.354	7.924	6.338	6.852	7.529
Main European Importers												
France.....	1.795	1.661	1.691	1.833	1.532	1.717	1.702	1.939	1.952	1.663	1.318	1.814
Germany <sup>3/</sup> .....	2.628	2.584	2.849	2.836	2.900	2.825	2.663	2.957	2.717	2.620	2.655	2.826
Italy.....	1.814	1.486	1.701	1.897	1.581	1.820	2.093	1.964	1.874	1.511	1.779	1.976
Spain.....	.945	1.026	.930	1.109	1.009	.828	.855	1.036	.929	1.187	1.134	.972
Netherlands.....	.491	.911	.773	.921	.627	.523	.708	.615	.778	.539	.458	.544
European Net Exporters												
Norway.....	-2.310	-2.204	-2.305	-2.270	-1.794	-2.453	-2.469	-2.463	-2.496	-2.791	-2.653	-2.424
United Kingdom....	-.114	.085	-.621	-.463	-.497	-.743	-.455	-.628	-.691	-.955	-.708	-.968
Smaller European Importers												
Austria.....	.213	.179	.209	.205	.212	.198	.210	.212	.187	.176	.213	.207
Belgium.....	.466	.543	.476	.527	.458	.549	.563	.504	.548	.491	.522	.464
Denmark.....	.013	-.017	.088	.073	-.004	.047	.087	.049	.013	-.037	.036	.055
Ireland.....	.082	.101	.095	.100	.098	.127	.087	.108	.104	.095	.098	.132
Finland.....	.091	.276	.194	.190	.196	.161	.282	.230	.132	.160	.180	.270
Greece.....	.202	.302	.289	.358	.221	.430	.346	.349	.373	.272	.236	.257
Iceland.....	.002	.021	.001	.026	.002	.028	.005	.030	.005	.027	.003	.020
Luxembourg.....	.036	.041	.039	.036	.039	.040	.038	.042	.042	.043	.046	.043
Portugal.....	.250	.316	.336	.237	.263	.252	.209	.253	.234	.162	.325	.251
Sweden.....	.376	.356	.220	.434	.478	.384	.397	.305	.448	.432	.427	.366
Switzerland.....	.226	.247	.270	.248	.269	.258	.260	.264	.246	.240	.251	.272
Turkey.....	.487	.443	.538	.537	.516	.530	.423	.588	.529	.502	.530	.452
Japan.....	5.093	5.374	5.421	5.196	5.361	4.982	5.323	5.347	5.933	6.117	5.927	5.831
Other OECD.....	.256	.498	.485	.686	.763	.556	.583	.515	.617	.437	.818	.688

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

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

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

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

Sources: See end of Section 3.

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

	1993							1994				
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total.....	15.767	16.244	16.508	16.062	16.140	14.898	15.228	15.437	15.030	14.728	14.943	15.195
United States1/.....	4.272	4.346	4.400	4.036	3.999	4.209	4.144	4.144	3.600	3.806	3.739	4.356
Canada.....	.385	.173	.357	.224	.251	.285	.344	.187	.286	.210	.388	.155
OECD Europe2/.....	6.627	7.026	6.946	6.917	6.901	5.945	5.869	6.272	5.841	5.324	5.418	5.674
Main European Importers												
France.....	1.033	1.022	1.070	.993	1.062	1.105	1.006	1.024	1.202	.933	.850	1.178
Germany3/.....	.976	1.007	.932	1.025	.988	.898	.925	.994	.885	.668	.916	.844
Italy.....	1.290	1.062	1.182	1.031	1.142	1.151	1.365	1.451	1.232	1.055	1.146	1.244
Spain.....	.495	.740	.624	.659	.613	.665	.563	.748	.507	.713	.710	.414
Netherlands.....	.776	1.003	1.067	1.032	.944	.000	.010	.021	.000	.000	.000	.000
European Net Exporters												
Norway.....	.000	.019	.000	.000	.008	.000	.020	.000	.000	.000	.020	.000
United Kingdom....	.432	.600	.441	.535	.402	.484	.404	.350	.267	.344	.205	.334
Smaller European Importers												
Austria.....	.097	.094	.137	.105	.154	.128	.131	.121	.104	.120	.122	.151
Belgium.....	.412	.371	.369	.383	.389	.386	.406	.310	.396	.312	.278	.330
Denmark.....	.000	.000	.000	.017	.012	.000	.002	.005	.004	.009	.004	.012
Ireland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.000	.025	.001	.000	.033	.000	.000	.029	.000	.001	.000	.000
Greece.....	.268	.287	.292	.325	.264	.341	.343	.289	.283	.268	.300	.304
Portugal.....	.138	.146	.231	.155	.198	.101	.114	.259	.224	.226	.164	.236
Sweden.....	.162	.190	.060	.158	.187	.140	.148	.061	.191	.128	.187	.110
Switzerland.....	.072	.043	.100	.069	.054	.051	.060	.095	.073	.078	.044	.085
Turkey.....	.477	.416	.440	.429	.450	.497	.372	.514	.474	.469	.471	.432
Japan.....	3.981	4.031	4.241	4.137	4.250	3.930	4.239	4.271	4.706	4.893	4.707	4.400
Other OECD.....	.502	.668	.564	.748	.739	.529	.632	.562	.596	.494	.691	.610

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

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

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

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports.

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

Sources: See end of Section 3.



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

	1993								1994			
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total.....	9.770	10.020	10.212	9.647	9.917	8.849	9.019	9.496	9.350	8.947	8.993	9.297
United States <sup>1</sup> /.....	1.798	1.833	1.664	1.618	1.768	1.642	1.753	1.811	1.628	1.488	1.599	1.848
Canada.....	.187	.087	.141	.086	.088	.070	.135	.088	.093	.093	.268	.009
OECD Europe <sup>2</sup> /.....	4.203	4.333	4.521	3.864	3.839	3.277	2.926	3.368	3.143	2.746	2.696	3.217
Main European Importers												
France.....	.840	.849	.904	.724	.709	.780	.519	.639	.709	.559	.546	.732
Germany <sup>3</sup> /.....	.294	.242	.269	.251	.311	.272	.305	.246	.206	.138	.187	.288
Italy.....	.657	.497	.606	.443	.434	.491	.592	.719	.531	.415	.502	.504
Spain.....	.275	.368	.313	.233	.207	.298	.109	.329	.310	.285	.341	.220
Netherlands.....	.619	.794	.862	.711	.697	.000	.000	.000	.000	.000	.000	.000
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.278	.453	.350	.407	.279	.367	.265	.250	.209	.211	.056	.260
Smaller European Importers												
Austria.....	.027	.028	.064	.044	.062	.008	.050	.031	.014	.026	.026	.053
Belgium.....	.321	.271	.303	.279	.301	.270	.296	.266	.342	.303	.215	.294
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.000	.024	.001	.000	.002	.000	.000	.000	.000	.001	.000	.000
Greece.....	.250	.230	.235	.248	.245	.245	.281	.258	.198	.226	.241	.278
Portugal.....	.051	.018	.136	.018	.039	.000	.020	.100	.065	.069	.035	.145
Sweden.....	.119	.130	.040	.105	.130	.105	.119	.038	.143	.088	.143	.062
Switzerland.....	.000	.011	.012	.005	.009	.009	.009	.017	.005	.011	.000	.014
Turkey.....	.472	.416	.426	.395	.415	.430	.363	.477	.413	.416	.406	.367
Japan.....	3.311	3.284	3.567	3.641	3.740	3.533	3.823	3.881	4.204	4.387	4.155	3.894
Other OECD.....	.271	.484	.319	.439	.482	.328	.382	.348	.282	.233	.275	.329

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

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

3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.  
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports.  
•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

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

	1993								1994			
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total Net Imports..	7.581	7.905	8.218	7.600	7.629	8.316	7.923	7.394	6.987	7.619	7.564	8.059
Imports from OPEC <sup>1/</sup>	4.272	4.346	4.400	4.036	3.999	4.209	4.144	4.144	3.600	3.806	3.739	4.356
Imports from Persian Gulf <sup>2/</sup>												
Total.....	1.798	1.833	1.664	1.618	1.768	1.642	1.753	1.811	1.628	1.488	1.599	1.848
Bahrain.....	-.003	-.003	-.003	.000	-.003	-.003	.000	-.003	.000	-.004	-.003	-.003
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.222	.235	.368	.467	.445	.530	.486	.484	.309	.423	.476	.261
U.A.E.....	.057	.061	.016	.000	-.002	.000	-.014	.000	.000	-.002	-.002	.004
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	1.522	1.540	1.283	1.151	1.328	1.115	1.281	1.330	1.319	1.071	1.128	1.586
Imports from OPEC-Africa												
Total.....	1.147	1.124	1.307	.948	.907	1.162	1.001	.958	.687	1.014	.810	1.164
Algeria.....	.228	.169	.246	.241	.192	.317	.222	.169	.233	.226	.278	.245
Gabon.....	.169	.107	.168	.152	.211	.242	.143	.191	.144	.212	.091	.288
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.750	.848	.893	.555	.504	.603	.636	.598	.310	.576	.441	.631
Imports from OPEC-South America												
Total.....	1.260	1.292	1.377	1.375	1.273	1.271	1.316	1.225	1.158	1.200	1.215	1.253
Venezuela.....	1.260	1.292	1.377	1.375	1.273	1.271	1.316	1.225	1.158	1.200	1.215	1.253
Imports from OPEC-Far East												
Total.....	.064	.094	.049	.095	.048	.131	.074	.147	.127	.100	.112	.088
Indonesia.....	.064	.094	.049	.095	.048	.131	.074	.147	.127	.100	.112	.088

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

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

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports.

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

Sources: See end of Section 3.

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

(million barrels per day)												
	1993								1994			
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total Net Imports..	5.093	5.374	5.421	5.196	5.361	4.982	5.323	5.347	5.933	6.117	5.927	5.831
Imports from OPEC1/	3.981	4.031	4.241	4.137	4.250	3.930	4.239	4.271	4.706	4.893	4.707	4.400
Imports from Persian Gulf2/												
Total.....	3.311	3.284	3.567	3.641	3.740	3.533	3.823	3.881	4.204	4.387	4.155	3.894
Bahrain.....	.016	.047	.030	.031	.008	.000	.000	.000	.028	.038	.032	.050
Iran.....	.316	.343	.321	.377	.441	.391	.355	.412	.510	.516	.603	.513
Kuwait.....	.348	.286	.320	.414	.482	.291	.431	.441	.459	.419	.399	.311
U.A.E.....	1.084	1.138	1.219	1.108	1.240	1.284	1.456	1.348	1.406	1.455	1.480	1.438
Qatar.....	.231	.254	.338	.301	.340	.381	.301	.370	.393	.395	.352	.406
Saudi Arabia.....	1.315	1.216	1.340	1.410	1.230	1.185	1.280	1.310	1.408	1.564	1.289	1.177
Imports from OPEC-Africa												
Total.....	.114	.130	.071	.022	.020	.000	.000	.000	.000	.000	.020	.035
Algeria.....	.032	.055	.000	.000	.000	.000	.000	.000	.000	.000	.000	.035
Gabon.....	.082	.075	.071	.022	.020	.000	.000	.000	.000	.000	.020	.000
Nigeria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Imports from OPEC-South America												
Total.....	.000	.000	.016	.000	.017	.000	.018	.000	.033	.000	.015	.000
Venezuela.....	.000	.000	.016	.000	.017	.000	.018	.000	.033	.000	.015	.000
Imports from OPEC-Far East												
Total.....	.572	.664	.616	.506	.479	.397	.398	.390	.498	.543	.548	.521
Indonesia.....	.572	.664	.616	.506	.479	.397	.398	.390	.498	.543	.548	.521

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

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

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

Sources: See end of Section 3.

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

	1993								1994			
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total Net Imports..	7.692	8.357	7.774	8.833	8.107	7.522	8.006	8.354	7.924	6.338	6.852	7.529
Imports from OPEC1/	6.627	7.026	6.946	6.917	6.901	5.945	5.869	6.272	5.841	5.324	5.418	5.674
Imports from Persian Gulf2/												
Total.....	4.203	4.333	4.521	3.864	3.839	3.277	2.926	3.368	3.143	2.746	2.696	3.217
Bahrain.....	.000	.017	.000	.000	.000	.015	.000	.004	.009	.005	.000	.000
Iran.....	1.477	1.423	1.508	1.137	.829	.965	.776	1.010	1.136	.680	.800	.811
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.504	.435	.432	.484	.505	.167	.267	.163	.181	.079	.080	.295
U.A.E.....	.098	.161	.101	.070	.075	.065	.051	.088	.040	.100	.045	.105
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	2.123	2.296	2.479	2.173	2.430	2.065	1.832	2.103	1.777	1.882	1.771	2.006
Imports from OPEC-Africa												
Total.....	2.160	2.395	2.156	2.730	2.788	2.435	2.753	2.665	2.585	2.408	2.537	2.295
Algeria.....	.695	.647	.677	.683	.704	.480	.531	.580	.491	.474	.585	.438
Gabon.....	.000	.032	.041	.054	.039	.060	.042	.029	.000	.029	.061	.033
Libya.....	1.126	1.205	1.073	1.306	1.305	1.198	1.337	1.297	1.187	1.235	1.270	1.207
Nigeria.....	.339	.510	.366	.688	.740	.696	.842	.759	.908	.670	.620	.617
Imports from OPEC-South America												
Total.....	.230	.298	.269	.306	.256	.230	.173	.208	.114	.147	.168	.153
Venezuela.....	.230	.298	.269	.306	.256	.230	.173	.208	.114	.147	.168	.153
Imports from OPEC-Far East												
Total.....	.034	.018	.000	.017	.018	.018	.017	.035	.008	.029	.017	.009
Indonesia.....	.034	.018	.000	.017	.018	.018	.017	.035	.008	.029	.017	.009

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

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

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

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

•See Section 4 for annual data.

Sources: See end of Section 3.

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

	1993								1994			
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total Net Imports..	1.795	1.661	1.691	1.833	1.532	1.717	1.702	1.939	1.952	1.663	1.318	1.814
Imports from OPEC <sup>1/</sup>	1.033	1.022	1.070	.993	1.062	1.105	1.006	1.024	1.202	.933	.850	1.178
Imports from Persian Gulf <sup>2/</sup>												
Total.....	.840	.849	.904	.724	.709	.780	.519	.639	.709	.559	.546	.732
Bahrain.....	.000	.000	.000	.000	.000	.015	.000	.000	.000	.000	.000	.000
Iran.....	.273	.410	.333	.394	.109	.239	.048	.152	.183	.018	.106	.154
Kuwait.....	.069	.000	.010	.000	.064	.032	.068	.016	.000	.000	.000	.067
U.A.E.....	.000	.024	.000	.000	.001	.000	.000	.026	.016	.012	.000	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.498	.414	.562	.330	.535	.495	.403	.444	.510	.529	.440	.511
Imports from OPEC-Africa												
Total.....	.186	.166	.159	.255	.353	.339	.486	.348	.486	.353	.305	.446
Algeria.....	.092	.034	.052	.057	.067	.068	.063	.069	.093	.091	.071	.066
Gabon.....	.000	.032	.032	.044	.030	.060	.042	.029	.000	.029	.052	.033
Libya.....	.063	.038	.047	.048	.112	.008	.087	.086	.087	.094	.073	.062
Nigeria.....	.032	.062	.028	.105	.144	.202	.295	.163	.306	.139	.109	.284
Imports from OPEC-South America												
Total.....	.007	.007	.007	.014	.001	.000	.000	.037	.007	.022	.000	.000
Venezuela.....	.007	.007	.007	.014	.001	.000	.000	.037	.007	.022	.000	.000
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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

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

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

represent net exports.

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

Sources: See end of Section 3.

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

	1993								1994			
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total Net Imports..	2.628	2.584	2.849	2.836	2.900	2.825	2.663	2.957	2.717	2.620	2.655	2.826
Imports from OPEC <sup>1/</sup>	.976	1.007	.932	1.025	.988	.898	.925	.994	.885	.668	.916	.844
Imports from Persian Gulf <sup>2/</sup>												
Total.....	.294	.242	.269	.251	.311	.272	.305	.246	.206	.138	.187	.288
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.004	.009	.002	.000	.000
Iran.....	.082	.073	.072	.063	.069	.081	.018	.037	.051	.000	.000	.033
Kuwait.....	.032	.032	.025	.008	.013	.021	.015	.021	.013	.016	.029	.029
U.A.E.....	.004	.001	.000	.000	.000	.000	.006	.003	.001	.001	.000	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.177	.136	.172	.179	.229	.170	.266	.180	.131	.119	.158	.226
Imports from OPEC-Africa												
Total.....	.612	.658	.542	.641	.560	.495	.537	.649	.628	.472	.675	.492
Algeria.....	.225	.204	.205	.200	.188	.172	.162	.176	.188	.132	.208	.107
Gabon.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Libya.....	.250	.288	.198	.280	.202	.205	.227	.265	.208	.197	.287	.226
Nigeria.....	.137	.167	.138	.161	.170	.118	.148	.208	.233	.144	.180	.159
Imports from OPEC-South America												
Total.....	.070	.106	.121	.134	.116	.131	.083	.104	.060	.060	.055	.064
Venezuela.....	.070	.106	.121	.134	.116	.131	.083	.104	.060	.060	.055	.064
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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

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

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

Sources: See end of Section 3.

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

	1993								1994			
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total Net Imports..	1.814	1.486	1.701	1.897	1.581	1.820	2.093	1.964	1.874	1.511	1.779	1.976
Imports from OPEC <sup>1/</sup>	1.290	1.062	1.182	1.031	1.142	1.151	1.365	1.451	1.232	1.055	1.146	1.244
Imports from												
Persian Gulf <sup>2/</sup>												
Total.....	.657	.497	.606	.443	.434	.491	.592	.719	.531	.415	.502	.504
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.003	.000	.000
Iran.....	.318	.207	.298	.096	.100	.163	.304	.313	.256	.166	.187	.180
Kuwait.....	.019	.020	.019	.000	.000	.000	.000	.000	.000	.000	.000	.013
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.320	.270	.289	.348	.334	.328	.288	.406	.274	.245	.315	.311
Imports from												
OPEC-Africa												
Total.....	.598	.547	.576	.564	.689	.637	.757	.697	.694	.614	.627	.731
Algeria.....	.067	.075	.070	.052	.077	.102	.116	.117	.091	.089	.098	.074
Gabon.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.000
Libya.....	.531	.471	.506	.494	.605	.534	.595	.558	.536	.525	.491	.627
Nigeria.....	.000	.000	.000	.019	.007	.000	.046	.022	.067	.000	.030	.031
Imports from												
OPEC-South America												
Total.....	.000	.000	.000	.006	.000	.005	.000	.000	.000	.000	.000	.000
Venezuela.....	.000	.000	.000	.006	.000	.005	.000	.000	.000	.000	.000	.000
Imports from												
OPEC-Far East												
Total.....	.034	.018	.000	.017	.018	.018	.017	.035	.008	.029	.017	.009
Indonesia.....	.034	.018	.000	.017	.018	.018	.017	.035	.008	.029	.017	.009

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

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

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

Sources: See end of Section 3.

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

	1993								1994			
	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April
Total.....	1.068	0.950	1.134	1.371	1.491	1.001	1.201	1.101	0.959	0.921	0.964	0.879
United States <sup>1/</sup> .....	.222	.235	.368	.467	.445	.530	.486	.484	.309	.423	.476	.261
Canada.....	.000	.000	.000	.004	.000	.004	.005	.004	.000	.000	.000	.000
OECD Europe <sup>2/</sup> .....	.504	.435	.432	.484	.505	.167	.267	.163	.181	.079	.080	.295
Main European Importers												
France.....	.069	.000	.010	.000	.064	.032	.068	.016	.000	.000	.000	.067
Germany <sup>3/</sup> .....	.032	.032	.025	.008	.013	.021	.015	.021	.013	.016	.029	.029
Italy.....	.019	.020	.019	.000	.000	.000	.000	.000	.000	.000	.000	.013
Spain.....	.000	.000	.000	.000	.000	.000	.000	.000	.003	.003	.003	.031
Netherlands.....	.225	.231	.286	.332	.282	.000	.000	.000	.000	.000	.000	.000
European Net Exporters												
United Kingdom....	.063	.061	.030	.060	.063	.062	.063	.060	.088	.030	.026	.089
Smaller European Importers												
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Belgium.....	.062	.065	.056	.073	.067	.035	.062	.052	.059	.009	.006	.040
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.019	.000	.000	.000	.000	.000	.018	.000	.004	.000	.000	.000
Portugal.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Sweden.....	.000	.000	.000	.000	.000	.003	.018	.001	.001	.001	.001	.000
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.014	.026	.006	.010	.016	.014	.023	.014	.015	.020	.015	.026
Japan.....	.348	.286	.320	.414	.482	.291	.431	.441	.459	.419	.399	.311
Other OECD.....	-.006	-.006	.013	.002	.059	.008	.012	.009	.009	.000	.009	.012

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

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

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

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

Sources: See end of Section 3.



## Sources for Section 3 (International Oil Imports)

### Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1993 and Petroleum Supply Monthly, July 1994. Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. OECD, Monthly Oil Statistics data base, 1991-1994.

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

**1970-1993**

**Table 4.1a World Crude Oil Production (Including Lease Condensate), 1970-1993**  
(Thousand Barrels per Day)

	Algeria	Gabon	Indo- nesia	Iran	Iraq	Kuwait <sup>1/</sup>	Libya	Nigeria	Qatar	Saudi Arabia <sup>1/</sup>	United Arab Emirates	Vene- zuela	Total OPEC
1970 Average.....	1,029	109	854	3,829	1,549	2,990	3,318	1,083	362	3,799	780	3,708	23,410
1971 Average.....	785	115	892	4,540	1,694	3,197	2,761	1,531	431	4,769	1,060	3,549	25,324
1972 Average.....	1,062	125	1,081	5,023	1,466	3,283	2,239	1,816	482	6,016	1,203	3,220	27,016
1973 Average.....	1,097	150	1,339	5,861	2,018	3,020	2,175	2,054	570	7,596	1,533	3,366	30,779
1974 Average.....	1,009	202	1,375	6,022	1,971	2,546	1,521	2,255	518	8,480	1,679	2,976	30,552
1975 Average.....	983	223	1,307	5,350	2,262	2,084	1,480	1,783	438	7,075	1,664	2,346	26,994
1976 Average.....	1,075	223	1,504	5,883	2,415	2,145	1,933	2,067	497	8,577	1,936	2,294	30,549
1977 Average.....	1,152	222	1,686	5,663	2,348	1,969	2,063	2,085	445	9,245	1,999	2,238	31,115
1978 Average.....	1,231	209	1,635	5,242	2,563	2,131	1,983	1,897	487	8,301	1,831	2,165	29,673
1979 Average.....	1,224	203	1,591	3,168	3,477	2,500	2,092	2,302	508	9,532	1,831	2,356	30,784
1980 Average.....	1,106	175	1,577	1,662	2,514	1,656	1,787	2,055	472	9,900	1,709	2,168	26,781
1981 Average.....	1,002	151	1,605	1,380	1,000	1,125	1,140	1,433	405	9,815	1,474	2,102	22,632
1982 Average.....	987	156	1,339	2,214	1,012	823	1,150	1,295	330	6,483	1,250	1,895	18,934
1983 Average.....	968	157	1,343	2,440	1,005	1,064	1,105	1,241	295	5,086	1,149	1,801	17,654
1984 Average.....	1,014	157	1,412	2,174	1,209	1,157	1,087	1,388	394	4,663	1,146	1,798	17,599
1985 Average.....	1,037	172	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	16,353
1986 Average.....	945	166	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	18,441
1987 Average.....	1,048	155	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	18,672
1988 Average.....	1,040	159	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	20,483
1989 Average.....	1,095	208	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	22,279
1990 Average.....	1,175	270	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,465
1991 Average.....	1,230	294	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,569
1992 Average.....	1,217	298	1,566	3,429	450	1,029	1,483	1,982	396	8,438	2,325	2,334	24,947
1993 Average P.....	1,190	295	1,507	3,650	512	1,872	1,377	2,050	413	8,198	2,241	2,377	25,681

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

P=Preliminary.

Notes: •OPEC=Organization of Petroleum Exporting Countries.

Sources: See end of Section 4.

**Table 4.1b World Crude Oil Production (Including Lease Condensate), 1970-1993**  
(Thousand Barrels per Day)

	Norway	United Kingdom	North Sea <sup>1/</sup>	Angola	Argentina	Australia	Brazil	Canada	China	Colombia	Ecuador
1970 Average.....	0	2	0	112	393	178	167	1,263	600	219	4
1971 Average.....	6	2	6	93	423	309	174	1,348	780	214	4
1972 Average.....	33	2	35	140	433	327	167	1,532	900	196	78
1973 Average.....	32	2	36	162	420	369	169	1,798	1,090	184	209
1974 Average.....	35	2	38	169	414	388	176	1,551	1,315	168	177
1975 Average.....	189	12	202	165	395	409	177	1,430	1,490	157	161
1976 Average.....	279	245	525	108	398	426	167	1,314	1,670	146	188
1977 Average.....	280	768	1,055	194	431	431	161	1,321	1,874	138	183
1978 Average.....	356	1,082	1,446	131	453	432	160	1,316	2,082	131	202
1979 Average.....	403	1,568	1,976	147	473	441	166	1,500	2,122	124	214
1980 Average.....	528	1,622	2,151	150	491	380	182	1,435	2,114	126	204
1981 Average.....	501	1,811	2,322	130	496	394	213	1,285	2,012	125	211
1982 Average.....	520	2,065	2,617	122	491	370	260	1,271	2,045	141	211
1983 Average.....	614	2,291	2,965	177	491	416	339	1,356	2,120	152	237
1984 Average.....	697	2,480	3,250	208	478	492	475	1,438	2,296	168	258
1985 Average.....	788	2,530	3,417	231	460	575	564	1,471	2,505	176	281
1986 Average.....	870	2,539	3,547	282	434	520	572	1,474	2,620	305	293
1987 Average.....	1,022	2,406	3,584	360	428	547	566	1,535	2,690	385	174
1988 Average.....	1,158	2,232	3,540	452	449	538	554	1,616	2,730	378	302
1989 Average.....	1,554	1,802	3,515	455	460	490	596	1,560	2,757	403	279
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,122	1,825	4,068	532	553	538	626	1,598	2,838	438	318
1993 Average P.....	2,264	1,909	4,304	499	584	496	639	1,678	2,911	456	346

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

P=Preliminary.

Sources: See end of Section 4.

**Table 4.1c World Crude Oil Production (Including Lease Condensate), 1970-1993**  
(Thousand Barrels per Day)

	Egypt	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other <sup>1/</sup>	World
1970 Average.....	326	144	18	487	332	---	6,985	80	9,637	1,529	45,886
1971 Average.....	293	143	69	486	294	---	7,475	100	9,463	1,518	48,518
1972 Average.....	231	156	93	505	282	---	7,890	124	9,441	1,592	51,138
1973 Average.....	165	147	91	465	293	---	8,324	105	9,208	1,667	55,679
1974 Average.....	150	156	81	571	290	---	8,912	124	8,774	1,711	55,716
1975 Average.....	235	165	98	705	343	---	9,523	170	8,375	1,636	52,828
1976 Average.....	330	175	165	831	366	---	10,060	175	8,132	1,620	57,344
1977 Average.....	415	199	184	981	341	---	10,603	188	8,245	1,655	59,707
1978 Average.....	485	226	217	1,209	315	---	11,105	170	8,707	1,706	60,158
1979 Average.....	525	245	283	1,461	295	---	11,384	166	8,552	1,821	62,674
1980 Average.....	595	182	283	1,936	282	---	11,706	164	8,597	1,841	59,599
1981 Average.....	598	325	264	2,313	319	---	11,850	166	8,572	1,859	56,076
1982 Average.....	670	390	306	2,748	324	---	11,912	160	8,649	1,892	53,481
1983 Average.....	727	480	365	2,689	375	---	11,972	167	8,688	1,945	53,255
1984 Average.....	822	519	440	2,780	414	---	11,861	170	8,879	2,014	54,488
1985 Average.....	887	620	440	2,745	498	---	11,585	178	8,971	2,123	53,981
1986 Average.....	813	630	504	2,435	560	---	11,895	194	8,680	2,166	56,227
1987 Average.....	896	609	497	2,548	582	---	11,985	230	8,349	2,120	56,601
1988 Average.....	848	635	540	2,512	617	---	11,978	265	8,140	2,235	58,662
1989 Average.....	865	700	585	2,520	641	---	11,625	340	7,613	2,249	59,773
1990 Average.....	873	660	619	2,553	685	---	10,880	388	7,355	2,253	60,471
1991 Average.....	874	615	646	2,680	700	---	9,887	492	7,417	2,277	60,105
1992 Average.....	881	558	653	2,668	738	7,386	---	531	7,171	3,333	60,255
1993 Average P....	875	527	636	2,671	776	6,425	---	570	6,847	3,280	60,070

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

-- = Not applicable. P=Preliminary.

Sources: See end of Section 4.

**Table 4.2 OPEC Crude Oil Production (Excluding Condensate), 1980-1993**  
(Thousand Barrels per Day)

	Algeria	Gabon	Indonesia	Iran	Iraq	Kuwait <sup>1/</sup>	Libya	Nigeria	Qatar	Saudi Arabia <sup>1/</sup>	United Arab Emirates	Venezuela	Total OPEC
1980 Average...	1,006	175	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,565
1981 Average...	802	151	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,306
1982 Average...	712	156	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,505
1983 Average...	648	157	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	17,153
1984 Average...	694	157	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	16,962
1985 Average...	702	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,675
1986 Average...	600	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,741
1987 Average...	648	155	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,803
1988 Average...	640	159	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,580
1989 Average...	690	208	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,409
1990 Average...	765	277	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,097	22,735
1991 Average...	800	294	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,800
1992 Average...	787	298	1,386	3,429	450	1,029	1,483	1,904	396	8,438	2,275	2,294	24,169
1993 Average P.	760	295	1,327	3,650	512	1,872	1,377	1,925	413	8,198	2,191	2,337	24,856

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

P=Preliminary.

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

Sources: See end of Section 4.

**Table 4.3 World Natural Gas Plant Liquids Production, 1970-1993**  
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Former USSR	United States <sup>1/</sup>	Persian Gulf <sup>2/</sup>	OAPEC <sup>3/</sup>	OPEC <sup>3/</sup>	World
1970 Average.....	3	200	58	50	120	1,660	119	137	205	2,383
1971 Average.....	4	234	59	50	135	1,693	138	147	243	2,508
1972 Average.....	4	293	61	55	155	1,744	155	159	275	2,676
1973 Average.....	9	314	75	90	170	1,738	191	196	324	2,785
1974 Average.....	12	314	80	130	190	1,688	231	219	347	2,789
1975 Average.....	20	309	80	140	205	1,633	246	252	372	2,790
1976 Average.....	24	289	95	185	220	1,603	291	313	442	2,865
1977 Average.....	19	290	105	215	235	1,618	335	366	482	2,982
1978 Average.....	25	281	115	250	255	1,567	410	447	566	3,078
1979 Average.....	30	331	150	303	270	1,584	458	535	637	3,285
1980 Average.....	36	331	193	369	285	1,573	534	618	732	3,444
1981 Average.....	49	330	241	433	300	1,609	599	691	825	3,625
1982 Average.....	58	318	255	430	315	1,550	612	721	842	3,626
1983 Average.....	56	309	265	330	330	1,559	552	655	780	3,635
1984 Average.....	105	336	257	355	340	1,630	604	761	869	3,869
1985 Average.....	120	337	271	375	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	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	431	457	680	525	1,659	950	1,132	1,312	4,955
1992 Average.....	145	459	446	720	525	1,697	1,013	1,190	1,380	5,118
1993 Average P....	145	476	457	704	525	1,736	1,034	1,211	1,403	5,221

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

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

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

P=Preliminary.

Sources: See end of Section 4.

**Table 4.4 World Oil Supply, 1970-1993**  
(Thousand Barrels per Day)

	United States <sup>1/</sup>	Persian Gulf <sup>2/</sup>	OAPEC <sup>3/</sup>	OPEC <sup>3/</sup>	World
1970 Average.....	11,673	13,541	14,571	23,676	48,986
1971 Average.....	11,554	15,940	15,427	25,629	51,766
1972 Average.....	11,601	17,734	16,451	27,353	54,574
1973 Average.....	11,428	20,895	18,656	31,165	59,300
1974 Average.....	10,978	21,550	18,399	30,964	59,391
1975 Average.....	10,505	19,223	16,831	27,441	56,511
1976 Average.....	10,251	21,847	19,563	31,064	61,121
1977 Average.....	10,437	22,098	20,372	31,665	63,665
1978 Average.....	10,820	21,067	19,819	30,329	64,225
1979 Average.....	10,707	21,569	22,575	31,503	66,973
1980 Average.....	10,809	18,541	20,715	27,595	64,153
1981 Average.....	10,739	15,894	17,619	23,545	60,763
1982 Average.....	10,783	12,815	13,786	19,859	58,226
1983 Average.....	10,788	11,676	12,416	18,510	58,056
1984 Average.....	11,107	11,433	12,619	18,547	59,645
1985 Average.....	11,192	10,320	11,498	17,324	59,264
1986 Average.....	10,905	12,441	13,653	19,477	61,771
1987 Average.....	10,648	12,869	13,992	19,745	62,410
1988 Average.....	10,473	14,310	15,662	21,625	64,673
1989 Average.....	9,880	15,733	16,658	23,532	65,854
1990 Average.....	9,677	16,249	17,232	24,807	66,722
1991 Average.....	9,883	15,723	16,766	24,933	66,623
1992 Average.....	9,768	17,149	18,108	26,379	67,067
1993 Average P.....	9,602	17,992	18,621	27,141	67,093

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

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

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

P=Preliminary.

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

Note 1 in Appendix B.

Sources: See end of Section 4.



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

	France	Italy	Germany <sup>1/</sup>	United Kingdom	OECD Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>	Total OECD
1973 December.....	201	152	181	156	1,070	1,008	140	303	67	2,588
1974 December.....	249	167	213	191	1,227	1,074	145	370	64	2,880
1975 December.....	225	143	187	165	1,154	1,133	174	375	67	2,903
1976 December.....	234	143	208	165	1,205	1,112	153	380	68	2,918
1977 December.....	239	161	225	148	1,268	1,312	167	409	68	3,224
1978 December.....	201	154	238	157	1,219	1,278	144	413	68	3,122
1979 December.....	226	163	272	169	1,353	1,341	150	460	75	3,379
1980 December.....	243	170	319	168	1,464	1,392	164	495	72	3,587
1981 December.....	214	167	297	143	1,337	1,484	161	482	67	3,531
1982 December.....	193	179	272	125	1,258	1,430	136	484	68	3,376
1983 December.....	153	149	249	118	1,142	1,454	121	470	68	3,255
1984 December.....	152	159	239	112	1,130	1,556	128	479	69	3,362
1985 December.....	139	157	233	123	1,092	1,519	113	494	66	3,284
1986 December.....	127	155	252	124	1,133	1,593	111	509	72	3,418
1987 December.....	127	169	259	121	1,130	1,607	126	540	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	1,181	1,617	119	606	65	3,588
1992 December.....	146	174	310	113	1,219	1,592	107	603	67	3,588
1993 December P....	158	165	310	118	1,213	1,647	104	617	68	3,649

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

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

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

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

P=Preliminary.

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

Sources: See end of Section 4.

**Table 4.6 OECD Oil Demand, 1970-1993**  
(Thousand Barrels per Day)

	France	Italy	Germany <sup>1/</sup>	United Kingdom	OECD Europe <sup>2/</sup>	United States <sup>3/</sup>	Canada	Japan	Other <sup>4/</sup>	OECD Excluding East Germany	East Germany	OECD Including East Germany	World Total
1970 Average...	1,937	1,710	2,607	2,096	12,404	14,697	1,516	3,817	836	33,270	223	33,493	46,808
1971 Average...	2,115	1,838	2,702	2,141	13,005	15,213	1,565	4,142	831	34,755	238	34,993	49,416
1972 Average...	2,322	1,947	2,859	2,284	13,934	16,367	1,664	4,363	948	37,275	270	37,545	53,094
1973 Average...	2,601	2,068	3,055	2,341	14,925	17,308	1,729	4,949	988	39,900	282	40,182	57,237
1974 Average...	2,447	2,004	2,748	2,210	13,988	16,653	1,779	4,864	1,095	38,379	307	38,686	56,677
1975 Average...	2,252	1,855	2,650	1,911	13,217	16,322	1,779	4,621	1,041	36,980	307	37,287	56,198
1976 Average...	2,420	1,971	2,877	1,892	14,124	17,461	1,818	4,837	1,119	39,358	329	39,687	59,673
1977 Average...	2,294	1,897	2,865	1,905	13,916	18,431	1,850	4,880	1,160	40,237	347	40,584	61,826
1978 Average...	2,408	1,952	2,927	1,938	14,290	18,847	1,902	4,945	1,204	41,187	363	41,550	64,158
1979 Average...	2,463	2,039	3,003	1,971	14,667	18,513	1,971	5,050	1,178	41,379	369	41,748	65,220
1980 Average...	2,256	1,934	2,707	1,725	13,634	17,056	1,873	4,960	1,072	38,595	375	38,970	63,067
1981 Average...	2,023	1,874	2,449	1,590	12,515	16,058	1,768	4,848	1,080	36,269	355	36,624	60,903
1982 Average...	1,880	1,781	2,372	1,590	12,053	15,296	1,578	4,582	1,008	34,517	371	34,888	59,503
1983 Average...	1,835	1,750	2,324	1,531	11,765	15,231	1,448	4,395	954	33,793	336	34,129	58,744
1984 Average...	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500	340	34,840	59,836
1985 Average...	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271	362	34,633	60,098
1986 Average...	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279	362	35,641	61,762
1987 Average...	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	959	35,911	342	36,253	63,010
1988 Average...	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093	322	37,415	64,832
1989 Average...	1,857	1,930	2,280	1,738	12,531	17,325	1,733	4,983	998	37,570	301	37,871	66,030
1990 Average...	1,818	1,872	2,382	1,752	12,629	16,988	1,690	5,140	1,027	37,475	283	37,758	66,159
1991 Average...	1,935	1,863	2,828	1,801	13,391	16,714	1,622	5,284	1,056	—	—	38,067	66,709
1992 Average...	1,926	1,937	2,843	1,803	13,605	17,033	1,643	5,446	1,036	—	—	R38,768	R66,747
1993 Average P	1,908	1,886	2,904	1,802	R13,568	17,237	1,655	5,389	R1,121	—	—	R38,970	R67,056

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

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

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

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

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

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

Sources: See end of Section 4.

**Table 4.7 OECD Total Net Imports, 1983-1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Average											
Total.....	16.532	16.962	15.878	17.670	18.008	18.706	20.082	20.456	20.414	20.783	21.180
United States <sup>1</sup> /.....	4.312	4.715	4.286	5.439	5.914	6.587	7.202	7.161	6.626	6.938	7.618
Canada.....	-.284	-.309	-.419	-.391	-.358	-.585	-.462	-.425	-.479	-.546	-.582
OECD Europe <sup>2</sup> /.....	7.781	7.675	7.381	7.893	7.742	7.774	7.994	8.210	8.588	8.459	8.090
Main European Importers											
France.....	1.667	1.724	1.654	1.682	1.742	1.718	1.711	1.750	1.869	1.784	1.762
Germany <sup>3</sup> /.....	2.087	2.115	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.739	2.726
Italy.....	1.579	1.618	1.603	1.642	1.718	1.590	1.716	1.788	1.769	1.839	1.758
Netherlands.....	.532	.532	.515	.632	.562	.646	.635	.677	.690	.713	.691
Spain.....	.954	.855	.802	.747	.803	.869	.952	.950	.951	.998	.993
European Net Exporters											
Norway.....	-.502	-.578	-.656	-.718	-.866	-1.036	-1.420	-1.543	-1.825	-2.102	-2.254
United Kingdom.....	-.906	-.829	-1.035	-1.067	-1.015	-.760	-.200	-.214	-.158	-.221	-.354
Smaller European Importers											
Austria.....	.167	.176	.174	.188	.194	.185	.191	.201	.212	.209	.206
Belgium.....	.396	.374	.382	.456	.443	.451	.454	.442	.506	.517	.509
Denmark.....	.173	.165	.166	.150	.122	.107	.078	.063	.048	.032	.030
Ireland.....	.084	.081	.078	.098	.081	.076	.079	.095	.094	.097	.101
Finland.....	.212	.177	.207	.229	.242	.200	.220	.208	.211	.188	.183
Greece.....	.197	.197	.210	.245	.230	.242	.252	.273	.297	.326	.328
Iceland.....	.010	.010	.011	.011	.013	.012	.011	.011	.012	.011	.015
Luxembourg.....	.021	.021	.023	.024	.028	.028	.031	.034	.039	.040	.040
Portugal.....	.183	.185	.166	.183	.199	.198	.246	.250	.258	.279	.271
Sweden.....	.365	.300	.349	.379	.309	.313	.290	.324	.312	.320	.352
Switzerland.....	.259	.252	.257	.290	.254	.258	.254	.273	.273	.277	.251
Turkey.....	.304	.302	.310	.342	.402	.397	.384	.425	.366	.413	.483
Japan.....	4.384	4.531	4.308	4.392	4.418	4.680	5.035	5.239	5.286	5.464	5.472
Other OECD.....	.338	.350	.322	.338	.291	.250	.313	.270	.392	.467	.582

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

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

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

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

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

•Data for 1992 and 1993 are preliminary.

Sources: See end of Section 4.

**Table 4.8 OECD Imports from OPEC, 1983-1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Average										
Total.....	11.302	11.378	10.531	12.408	12.414	13.115	14.602	15.675	15.597	15.809	16.078
United States <sup>1</sup> /....	1.790	1.987	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.012	4.255
Canada.....	.152	.137	.128	.158	.155	.162	.205	.199	.210	.210	.268
OECD Europe <sup>2</sup> /.....	5.721	5.548	5.395	6.163	5.628	5.873	6.205	6.656	6.857	6.853	6.644
Main European Importers											
France.....	1.009	.961	.884	.948	.684	.737	.875	1.101	1.101	.998	1.046
Germany <sup>3</sup> /.....	.868	.807	.787	.831	.679	.761	.739	.776	.871	.964	.945
Italy.....	1.214	1.199	1.205	1.362	1.307	1.192	1.261	1.375	1.399	1.343	1.223
Netherlands.....	.538	.584	.568	.771	.773	.875	.905	.862	.928	.926	.753
Spain.....	.615	.595	.553	.600	.564	.608	.689	.655	.702	.637	.622
European Net Exporters											
Norway.....	.007	.006	.005	.008	.002	.002	.003	.007	.014	.004	.005
United Kingdom....	.310	.282	.308	.328	.277	.323	.342	.406	.377	.390	.440
Smaller European Importers											
Austria.....	.062	.081	.087	.090	.087	.082	.086	.097	.108	.115	.127
Belgium.....	.231	.197	.159	.288	.257	.302	.353	.313	.362	.359	.363
Denmark.....	.039	.049	.035	.025	.053	.067	.069	.044	.006	.001	.005
Ireland.....	.001	-	.000	.001	.001	-	-	.000	.000	.000	.000
Finland.....	.025	.020	.037	.021	.023	.011	.013	.013	.029	.033	.007
Greece.....	.206	.208	.197	.273	.279	.233	.244	.343	.298	.346	.304
Portugal.....	.134	.116	.113	.120	.101	.118	.156	.166	.139	.158	.165
Sweden.....	.079	.036	.051	.086	.062	.074	.064	.073	.105	.116	.136
Switzerland.....	.077	.075	.075	.068	.069	.051	.021	.038	.052	.051	.063
Turkey.....	.308	.332	.331	.344	.411	.439	.384	.388	.365	.412	.440
Japan.....	3.260	3.372	2.983	3.036	3.198	3.309	3.789	4.070	4.038	4.206	4.279
Other OECD.....	.378	.334	.268	.301	.408	.316	.367	.513	.491	.528	.632

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

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

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

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1992 and 1993 are preliminary.

Sources: See end of Section 4.

**Table 4.9 OECD Imports from Persian Gulf, 1983-1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Average										
Imports from											
Persian Gulf											
Total.....	6.515	6.454	5.585	7.228	7.392	7.941	9.121	9.667	9.249	9.456	9.837
United States <sup>1/</sup> ...	.436	.502	.304	.909	1.072	1.526	1.857	1.961	1.835	1.774	1.775
Canada.....	.052	.008	.011	.054	.054	.056	.069	.081	.084	.092	.106
OECD Europe <sup>2/</sup> .....	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.908	3.660	3.666	3.858
Main European Importers											
France.....	.587	.493	.476	.586	.459	.484	.647	.864	.708	.640	.756
Germany <sup>3/</sup> .....	.288	.242	.152	.232	.187	.197	.216	.217	.227	.215	.249
Italy.....	.746	.671	.583	.817	.782	.643	.619	.626	.595	.573	.548
Netherlands.....	.279	.345	.294	.509	.516	.587	.663	.647	.609	.650	.572
Spain.....	.399	.377	.264	.328	.295	.306	.352	.291	.281	.231	.275
European Net Exporters											
Norway.....	.005	.006	.003	.006	.002	-	-	.000	.011	.000	.000
United Kingdom...	.176	.144	.144	.173	.164	.212	.240	.250	.222	.220	.303
Smaller European Importers											
Austria.....	.026	.024	.023	.011	.026	.025	.022	.016	.021	.031	.036
Belgium.....	.104	.094	.088	.182	.162	.224	.277	.250	.279	.292	.288
Denmark.....	.031	.042	.022	.024	.047	.063	.067	.043	.004	.000	.002
Ireland.....	.001	-	.000	-	-	-	-	-	-	-	-
Finland.....	.025	.020	.037	.021	.022	.011	.012	.011	.021	.023	.002
Greece.....	.132	.143	.122	.204	.211	.146	.181	.268	.219	.291	.254
Portugal.....	.097	.081	.076	.088	.069	.066	.085	.073	.067	.074	.050
Sweden.....	.017	.005	.006	.036	.029	.045	.043	.039	.064	.068	.098
Switzerland.....	.013	.012	.006	.008	.008	.007	.007	.007	.007	.007	.008
Turkey.....	.239	.268	.265	.289	.348	.411	.323	.307	.324	.349	.415
Japan.....	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.586	3.714
Other OECD.....	.225	.204	.176	.195	.299	.241	.267	.322	.300	.338	.384

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

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

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

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

•Data for 1992 and 1993 are preliminary.

Sources: See end of Section 4.

**Table 4.10 United States—Net Oil Imports, 1983–1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Average											
Total Net Imports..	4.312	4.715	4.286	5.439	5.914	6.587	7.202	7.161	6.626	6.938	7.618
Imports from OPEC1/	1.790	1.987	1.756	2.750	3.025	3.455	4.036	4.236	4.002	4.012	4.255
Imports from Persian Gulf2/											
Total.....	.436	.502	.304	.909	1.072	1.526	1.857	1.961	1.835	1.774	1.775
Bahrain.....	-.001	-.001	-.001	.001	-.001	.000	-.001	-.001	-.001	-.002	-.002
Iran.....	.048	.010	.027	.019	.098	.000	.000	.000	.032	.000	.000
Iraq.....	.010	.012	.046	.081	.083	.343	.449	.518	.000	.000	-
Kuwait.....	.014	.036	.021	.068	.082	.092	.157	.086	.006	.051	.353
U.A.E.....	.029	.116	.044	.043	.059	.028	.027	.016	.001	.004	.009
Qatar.....	.000	.005	.000	.013	.000	.000	.002	.004	.000	.001	.001
Saudi Arabia.....	.336	.324	.168	.685	.751	1.063	1.224	1.339	1.797	1.720	1.414
Imports from OPEC-Africa											
Total.....	.598	.598	.536	.737	.867	.934	1.134	1.144	1.040	1.000	1.108
Algeria.....	.240	.323	.187	.271	.295	.300	.269	.280	.253	.196	.220
Gabon.....	.059	.058	.052	.026	.037	.016	.050	.064	.084	.124	.152
Libya.....	.000	.001	.004	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.299	.216	.293	.440	.535	.618	.815	.800	.703	.680	.736
Imports from OPEC-South America											
Total.....	.420	.544	.602	.788	.801	.790	.861	1.016	1.020	1.161	1.295
Venezuela.....	.420	.544	.602	.788	.801	.790	.861	1.016	1.020	1.161	1.295
Imports from OPEC-Far East											
Total.....	.335	.342	.313	.317	.284	.205	.182	.113	.106	.075	.074
Indonesia.....	.335	.342	.313	.317	.284	.205	.182	.113	.106	.075	.074

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.  
2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1992 and 1993 are preliminary.

Sources: See end of Section 4.

**Table 4.11 Japan—Net Oil Imports, 1983–1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Average										
Total Net Imports..	4.384	4.531	4.308	4.392	4.418	4.680	5.035	5.239	5.286	5.464	5.472
Imports from OPEC <sup>1/</sup>	3.260	3.372	2.983	3.036	3.198	3.309	3.789	4.070	4.038	4.206	4.279
Imports from Persian Gulf <sup>2/</sup>											
Total.....	2.638	2.773	2.533	2.557	2.637	2.691	3.173	3.394	3.370	3.586	3.714
Bahrain.....	.024	.024	.026	.034	.037	.036	.042	.037	.037	.029	.021
Iran.....	.394	.258	.259	.220	.230	.187	.291	.385	.383	.362	.384
Iraq.....	.010	.015	.063	.164	.105	.173	.219	.146	.000	.000	—
Kuwait.....	.156	.231	.215	.278	.347	.341	.458	.291	.014	.220	.367
U.A.E.....	.652	.674	.845	.890	.773	.822	.929	1.032	1.285	1.256	1.283
Qatar.....	.147	.240	.220	.183	.139	.203	.250	.263	.285	.300	.330
Saudi Arabia.....	1.254	1.330	.904	.789	1.005	.930	.984	1.240	1.367	1.420	1.328
Imports from OPEC-Africa											
Total.....	.038	.012	.010	.016	.023	.044	.016	.020	.022	.015	.046
Algeria.....	.038	.012	.010	.015	.023	.044	.015	.010	.010	.007	.008
Gabon.....	—	—	—	—	—	—	.002	.009	.011	.009	.038
Libya.....	—	—	.001	.001	—	—	—	—	—	—	—
Nigeria.....	—	—	—	—	—	—	—	.001	.001	.000	.000
Imports from OPEC-South America											
Total.....	.023	.017	.014	.012	.012	.011	.011	.011	.010	.010	.009
Venezuela.....	.023	.017	.014	.012	.012	.011	.011	.011	.010	.010	.009
Imports from OPEC-Far East											
Total.....	.586	.594	.452	.486	.563	.599	.631	.682	.673	.624	.532
Indonesia.....	.586	.594	.452	.486	.563	.599	.631	.682	.673	.624	.532

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

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

Notes: •Imports include Crude Oil, Natural Gas Liquids, and Refined Products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1992 and 1993 are preliminary.

Sources: See end of Section 4.

**Table 4.12 OECD Europe—Net Oil Imports, 1983–1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Average										
Total Net Imports..	7.781	7.675	7.381	7.893	7.742	7.774	7.994	8.210	8.588	8.459	8.090
Imports from OPEC <sup>1/</sup>	5.721	5.548	5.395	6.163	5.628	5.873	6.205	6.656	6.857	6.853	6.644
Imports from											
Persian Gulf <sup>2/</sup>											
Total.....	3.165	2.968	2.560	3.513	3.330	3.428	3.754	3.908	3.660	3.666	3.858
Bahrain.....	.005	.019	.004	.002	.001	.009	.005	.020	.002	.003	.004
Iran.....	.859	.841	.648	.511	.732	.850	1.076	1.190	1.132	1.113	1.205
Iraq.....	.388	.516	.673	.717	.905	.959	.897	.591	.000	.000	.000
Kuwait.....	.251	.324	.356	.456	.469	.474	.452	.346	.019	.142	.373
U.A.E.....	.343	.265	.131	.164	.206	.134	.214	.446	.281	.199	.102
Qatar.....	.077	.118	.051	.054	.040	.021	.024	.026	.009	.006	.000
Saudi Arabia.....	1.241	.884	.698	1.609	.978	.981	1.086	1.290	2.217	2.203	2.173
Imports from OPEC-Africa											
Total.....	2.228	2.318	2.524	2.398	2.089	2.230	2.241	2.533	2.947	2.913	2.534
Algeria.....	.578	.574	.659	.615	.627	.646	.648	.683	.757	.772	.654
Gabon.....	.062	.067	.077	.090	.031	.031	.017	.024	.129	.095	.044
Libya.....	.940	.894	.948	.967	.962	1.071	1.044	1.267	1.332	1.361	1.224
Nigeria.....	.647	.783	.841	.727	.469	.481	.532	.559	.729	.686	.612
Imports from											
OPEC-South America											
Total.....	.324	.267	.307	.252	.208	.220	.212	.227	.249	.268	.237
Venezuela.....	.324	.267	.307	.252	.208	.220	.212	.227	.249	.268	.237
Imports from OPEC-Far East											
Total.....	.010	.015	.008	.002	.002	.005	.004	.008	.002	.009	.019
Indonesia.....	.010	.015	.008	.002	.002	.005	.004	.008	.002	.009	.019

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.  
2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1992 and 1993 are preliminary.  
Sources: See end of Section 4.



**Table 4.13 France—Net Oil Imports, 1983–1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Average										
Total Net Imports..	1.667	1.724	1.654	1.682	1.742	1.718	1.711	1.750	1.869	1.784	1.762
Imports from OPEC <sup>1/</sup>	1.009	.961	.884	.948	.684	.737	.875	1.101	1.101	.998	1.046
Imports from Persian Gulf <sup>2/</sup>											
Total.....	.587	.493	.476	.586	.459	.484	.647	.864	.708	.640	.756
Bahrain.....	.003	.001	—	.001	—	.007	.002	.011	.000	.001	.002
Iran.....	.085	.068	.082	.065	.088	.012	.158	.182	.171	.151	.243
Iraq.....	.041	.072	.138	.109	.151	.143	.128	.062	.000	.000	—
Kuwait.....	.019	.019	.035	.023	.044	.017	.021	.015	.011	.029	.032
U.A.E.....	.130	.089	.054	.035	—	.017	.040	.233	.064	.033	.025
Qatar.....	.018	.043	.034	.030	.002	.017	.009	.022	.003	.002	.000
Saudi Arabia.....	.291	.200	.134	.324	.175	.271	.288	.339	.459	.424	.454
Imports from OPEC-Africa											
Total.....	.394	.451	.387	.344	.212	.249	.218	.233	.376	.348	.282
Algeria.....	.149	.158	.109	.089	.072	.079	.089	.092	.107	.105	.066
Gabon.....	.011	.025	.043	.065	—	—	—	.000	.080	.066	.041
Libya.....	.065	.076	.070	.061	.064	.090	.065	.079	.104	.087	.063
Nigeria.....	.169	.192	.165	.129	.076	.079	.064	.062	.084	.090	.112
Imports from OPEC-South America											
Total.....	.031	.018	.020	.019	.012	.011	.012	.015	.017	.011	.010
Venezuela.....	.031	.018	.020	.019	.012	.011	.012	.015	.017	.011	.010
Imports from OPEC-Far East											
Total.....	—	.000	.002	.000	—	—	.000	.000	.001	.001	.000
Indonesia.....	—	.000	.002	.000	—	—	.000	.000	.001	.001	.000

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

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

Notes: •Imports include Crude Oil, Natural Gas Liquids, and Refined Products, and are on a direct basis. •Negative numbers represent net exports. •A dash (—) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1992 and 1993 are preliminary.

Sources: See end of Section 4.

**Table 4.14 Germany—Net Oil Imports, 1983–1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Average										
Total Net Imports...	2.087	2.115	2.166	2.380	2.281	2.279	2.112	2.202	2.664	2.739	2.726
Imports from OPEC <sup>1/</sup>	.868	.807	.787	.831	.679	.761	.739	.776	.871	.964	.945
Imports from Persian Gulf <sup>2/</sup>											
Total.....	.288	.242	.152	.232	.187	.197	.216	.217	.227	.215	.249
Bahrain.....	.000	—	.000	—	—	—	—	—	—	—	.000
Iran.....	.042	.049	.053	.041	.020	.051	.041	.055	.053	.021	.053
Iraq.....	.030	.041	.008	.016	.052	.032	.009	.004	.000	.000	—
Kuwait.....	.029	.026	.021	.021	.017	.013	.022	.013	.000	.009	.022
U.A.E.....	.029	.023	.006	.004	.024	.006	.023	.016	.012	.002	.002
Qatar.....	.015	.010	—	—	.001	.001	.002	.003	.002	.001	.000
Saudi Arabia.....	.142	.093	.064	.151	.072	.095	.119	.125	.161	.182	.172
Imports from OPEC-Africa											
Total.....	.475	.483	.532	.485	.405	.472	.436	.469	.537	.620	.591
Algeria.....	.104	.086	.130	.137	.146	.141	.106	.098	.126	.183	.192
Gabon.....	.003	.006	.003	.001	.004	—	—	.005	.013	.006	.000
Libya.....	.218	.200	.201	.152	.160	.237	.235	.244	.262	.252	.244
Nigeria.....	.150	.191	.197	.195	.095	.095	.095	.123	.136	.179	.154
Imports from OPEC-South America											
Total.....	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128	.105
Venezuela.....	.106	.082	.103	.113	.086	.091	.086	.088	.107	.128	.105
Imports from OPEC-Far East											
Total.....	—	—	.000	.001	.002	—	—	.002	.000	.000	.000
Indonesia.....	—	—	.000	.001	.002	—	—	.002	.000	.000	.000

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

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

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Data through 1990 are for the former West Germany. •Negative numbers represent net exports. •A dash (—) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1992 and 1993 are preliminary.

Sources: See end of Section 4.

**Table 4.15 Italy—Net Oil Imports, 1983–1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Average										
Total Net Imports..	1.579	1.618	1.603	1.642	1.718	1.590	1.716	1.788	1.769	1.839	1.758
Imports from OPEC <sup>1/</sup>	1.214	1.199	1.205	1.362	1.307	1.192	1.261	1.375	1.399	1.343	1.223
Imports from Persian Gulf <sup>2/</sup>											
Total.....	.746	.671	.583	.817	.782	.643	.619	.626	.595	.573	.548
Bahrain.....	.000	-	.002	.001	.000	-	.001	.000	.001	.001	.000
Iran.....	.238	.190	.146	.135	.141	.093	.124	.192	.231	.239	.221
Iraq.....	.096	.098	.139	.114	.167	.198	.138	.079	.000	.000	-
Kuwait.....	.087	.108	.132	.147	.142	.118	.093	.063	.000	.007	.012
U.A.E.....	.067	.053	.024	.051	.109	.060	.085	.075	.044	.013	.002
Qatar.....	.013	.018	.007	.004	.029	.002	.008	.000	.004	.001	.000
Saudi Arabia.....	.244	.204	.134	.364	.174	.171	.171	.216	.315	.312	.313
Imports from OPEC-Africa											
Total.....	.393	.450	.552	.507	.489	.517	.627	.740	.799	.757	.653
Algeria.....	.062	.067	.110	.087	.109	.108	.150	.155	.155	.140	.096
Gabon.....	.009	.001	.001	.001	-	.001	.001	.000	.006	.000	.000
Libya.....	.225	.261	.299	.309	.342	.389	.430	.556	.581	.584	.542
Nigeria.....	.097	.121	.142	.110	.038	.019	.045	.029	.057	.034	.015
Imports from OPEC-South America											
Total.....	.075	.076	.072	.039	.037	.029	.014	.007	.004	.005	.002
Venezuela.....	.075	.076	.072	.039	.037	.029	.014	.007	.004	.005	.002
Imports from OPEC-Far East											
Total.....	-	.001	-	-	-	.002	.002	.003	.001	.009	.019
Indonesia.....	-	.001	-	-	-	.002	.002	.003	.001	.009	.019

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

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

Notes: •Imports include Crude Oil, Natural Gas Liquids, and Refined Products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data 1992 and 1993 are preliminary.

Sources: See end of Section 4.

**Table 4.16 OECD Imports from Iraq, 1983-1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Average										
Total.....	0.408	0.542	0.784	0.964	1.103	1.489	1.581	1.276	0.000	0.000	0.000
United States <sup>1</sup> /.....	.010	.012	.046	.081	.083	.343	.449	.518	.000	.000	-
Canada.....	-	-	-	-	.010	.001	.013	.011	.000	.000	-
OECD Europe <sup>2</sup> /.....	.388	.516	.673	.717	.905	.959	.897	.591	.000	.000	.000
Main European Importers											
France.....	.041	.072	.138	.109	.151	.143	.128	.062	.000	.000	-
Germany <sup>3</sup> /.....	.030	.041	.008	.016	.052	.032	.009	.004	.000	.000	-
Italy.....	.096	.098	.139	.114	.167	.198	.138	.079	.000	.000	-
Netherlands.....	.003	.021	.022	.067	.034	.039	.101	.117	.000	.000	-
Spain.....	.042	.071	.123	.117	.080	.092	.109	.063	.000	.000	-
European Net Exporters											
United Kingdom.....	.013	.008	.041	.071	.082	.070	.034	.027	.000	.000	-
Smaller European Importers											
Austria.....	-	.006	.007	-	.015	.007	.000	.000	.000	.000	-
Belgium.....	.033	.038	.019	.026	.049	.037	.047	.029	.000	.000	-
Denmark.....	-	-	.000	-	.001	-	-	.000	.000	.000	-
Greece.....	.027	.060	.038	.030	.065	.059	.052	.044	.000	.000	-
Portugal.....	.014	.016	.018	.024	.019	.029	.024	.019	.000	.000	-
Sweden.....	-	-	.000	-	.003	.003	.005	.000	.000	.000	-
Switzerland.....	-	-	-	-	.000	-	.000	.000	.000	.000	.000
Turkey.....	.090	.086	.121	.143	.188	.250	.250	.146	.000	.000	-
Japan.....	.010	.015	.063	.164	.105	.173	.219	.146	.000	.000	-
Other OECD.....	.000	-.001	.001	.002	.000	.013	.003	.011	.000	.000	-

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

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

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

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1992 and 1993 are preliminary.

Sources: See end of Section 4.

**Table 4.17 OECD Imports from Kuwait, 1983-1993**  
(Million Barrels per Day)

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
	Average										
Total.....	0.456	0.631	0.624	0.829	0.925	0.936	1.084	0.740	0.039	0.414	1.104
United States <sup>1/</sup> .....	.014	.036	.021	.068	.082	.092	.157	.086	.006	.051	.353
Canada.....	.003	-	-	-	-	-	-	.004	-	-	.001
OECD Europe <sup>2/</sup> .....	.251	.324	.356	.456	.469	.474	.452	.346	.019	.142	.373
Main European Importers											
France.....	.019	.019	.035	.023	.044	.017	.021	.015	.011	.029	.032
Germany <sup>3/</sup> .....	.029	.026	.021	.021	.017	.013	.022	.013	.000	.009	.022
Italy.....	.087	.108	.132	.147	.142	.118	.093	.063	.000	.007	.012
Netherlands.....	.065	.095	.098	.122	.150	.189	.194	.151	.002	.052	.184
Spain.....	.001	.003	.003	.020	.015	.030	.015	.010	.003	.000	.003
European Net Exporters											
United Kingdom....	.011	.016	.023	.014	.011	.006	.006	.045	.002	.027	.049
Smaller European Importers											
Austria.....	-	-	-	-	-	.004	.002	.000	.000	.000	.000
Belgium.....	.001	.005	.002	.006	.000	-	-	.000	.001	.006	.049
Denmark.....	.023	.032	.021	.020	.045	.060	.066	.034	.000	.000	.000
Finland.....	-	-	.000	-	-	-	-	-	.000	-	-
Greece.....	-	.009	.005	.038	.030	.015	.009	.000	.000	.002	.005
Portugal.....	-	-	-	-	.001	.003	.003	.002	.000	.000	.000
Sweden.....	-	-	.002	-	-	-	.001	.001	.000	.000	.002
Switzerland.....	-	-	-	-	-	-	-	-	.000	.000	.000
Turkey.....	.014	.011	.012	.046	.013	.019	.019	.011	.000	.010	.015
Japan.....	.156	.231	.215	.278	.347	.341	.458	.291	.014	.220	.367
Other OECD.....	.032	.039	.032	.028	.026	.029	.017	.013	.000	.000	.009

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

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

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

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1992 and 1993 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 1993 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 1993.

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

o OECD, Monthly Oil Statistics data base, 1980-1994.

### Oil Demand

United States: EIA, Petroleum Supply Annual 1993.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances, various issues. o OECD, Annual Oil Statistics data base, 1970-1979. o OECD, Monthly Oil Statistics data base, 1980-1994.

### Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1993.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, 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 (Guam, Puerto Rico, and the U.S. Virgin Islands).

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

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

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

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

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

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



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**Appendix B**  
**Explanatory Notes**

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## Appendix B. Explanatory Notes

### Note 1: World Oil Supply

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

### Note 2: Oil Stocks

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

The Energy Information Administration (EIA) does not include the United States Territories in its statistical definition of the United States. Further, the EIA includes oil in oil pipelines as part of its stock data. Tables 1.5, 1.6, 2.3, and 4.4 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of March 1994 United States (including territories) oil stocks totaled 1,442 million barrels.

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

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

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

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

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

Complete monthly data are available for the 24 OECD countries. Annual demand data for all countries (about 200 countries) are presented in EIA's International Energy Annual. In 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 24 OECD countries, and for 25 large consumers outside of the OECD. Demand for the remaining countries (less than 10 percent of total demand) is estimated, for years that are not yet available in the International Energy Annual. The stock levels in these tables are based on reported data for the OECD and for stocks at sea. The line in Table 2.1 labelled "Other Stock Draw and Statistical Discrepancy" is a balancing item.

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## **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, 1992, published in January 1994, presents final demand data for all countries for 1991, and preliminary demand data for 1992. 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 1991 numbers match the currently published International Energy Annual. Numbers for 1992 and 1993 are the best available EIA estimates, based upon the best annual data currently available, analytic judgment about current trends, and some seasonal adjustments. These are the same numbers that appear in the international oil balance table in EIA's Short-Term Energy Outlook.

The 2 largest non-OECD oil consumers are the former Soviet Union and China. For these 2 countries, published data are available on production and net exports. Demand is computed as production minus net exports. This is the same approach used in the Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other major publications dealing with international oil data. Note, however, that because of this computation, the demand numbers for the former Soviet Union and China implicitly exclude stock draw and refinery gain.



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## **Appendix E**

### **Conversions**

**Table E1. Conversion Factors**

Product Unit	Equivalent
<b>Refined Petroleum Products</b>	
Barrels per Metric Ton	
Asphalt.....	6.06
Distillate Fuel Oil.....	7.46
Gasoline, Aviation.....	8.90
Gasoline, Motor.....	8.53
Greases.....	6.30
Jet Fuel, Kerosene-type.....	7.93
Jet Fuel, Naptha-type.....	8.27
Kerosene.....	7.73
Liquefied Petroleum Gas (LPG).....	11.60
Lubricants.....	7.00
Miscellaneous Products.....	8.04
Naphthas.....	8.22
Natural Gas Liquids (NGL).....	10.40
Natural Gasoline.....	10.00
Paraffin Oil.....	7.14
Paraffin Wax.....	7.87
Petrolatum.....	7.87
Petroleum Coke.....	5.51
Residual Fuel Oil.....	6.66
White Spirits.....	8.50

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

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>North America</b>											
Canada.....	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453
Mexico.....	7.108	7.108	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965
United States.....	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333
<b>Central &amp; South America</b>											
Argentina.....	7.149	7.149	7.149	7.149	7.149	7.149	7.149	7.149	7.149	7.149	7.149
Barbados.....	7.286	7.286	7.286	7.286	7.286	7.286	7.286	7.286	7.286	7.286	7.286
Bolivia.....	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881
Brazil.....	7.268	7.268	7.268	7.268	7.268	7.268	7.268	7.268	7.268	7.268	7.268
Chile.....	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Colombia.....	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
Cuba.....	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449
Ecuador.....	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130
Guatemala.....	7.210	7.210	7.210	7.210	7.210	7.210	7.210	7.210	7.210	7.210	7.210
Peru.....	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407
Suriname.....	--	--	6.199	6.199	6.199	6.199	6.199	6.199	6.199	6.199	6.199
Trinidad and Tobago.....	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
Venezuela.....	6.795	6.795	6.880	6.880	6.880	6.880	6.880	6.880	6.880	6.880	6.880
<b>Western Europe</b>											
Austria.....	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082
Denmark.....	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689
France.....	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Germany.....	7.295	7.295	7.295	7.295	7.295	7.295	7.295	7.295	7.295	7.295	7.295
Greece.....	7.178	7.178	7.178	7.178	7.178	7.178	7.178	7.178	7.178	7.178	7.178
Italy.....	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853
Netherlands.....	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853	6.853
Norway.....	7.810	7.810	7.810	7.810	7.810	7.810	7.810	7.810	7.810	7.810	7.810
Spain.....	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Sweden.....	--	--	--	--	7.247	7.247	7.247	7.247	7.247	7.247	7.247
Turkey.....	7.150	7.150	7.150	7.150	7.150	7.150	7.150	7.150	7.150	7.150	7.150
United Kingdom.....	7.466	7.466	7.466	7.466	7.466	7.466	7.466	7.466	7.466	7.466	7.466
Former Yugoslavia.....	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418

-- = No Production of this form of energy.

Sources: International Energy Annual 1992, DOE/EIA-0219 (92) (94/01) (January 1994).

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

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Eastern Europe &amp; Former U.S.S.R.</b>											
Albania.....	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594
Bulgaria.....	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Former Czechoslovakia.....	6.780	6.780	6.780	6.780	6.780	6.780	6.780	6.780	6.780	6.780	6.780
Hungary.....	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690
Poland.....	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Romania.....	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Former U.S.S.R.....	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
<b>Middle East</b>											
Bahrain.....	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Iran.....	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305
Iraq.....	7.426	7.426	7.426	7.426	7.426	7.426	7.426	7.426	7.426	7.426	7.426
Israel.....	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247
Jordan.....	---	---	---	---	7.190	7.190	7.190	7.190	7.190	7.190	7.190
Kuwait.....	7.245	7.245	7.245	7.245	7.245	7.245	7.245	7.245	7.245	7.245	7.245
Oman.....	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Qatar.....	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Saudi Arabia.....	7.268	7.268	7.268	7.268	7.268	7.268	7.268	7.268	7.268	7.268	7.268
Syria.....	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836	6.836
United Arab Emirates.....	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480	7.480
Yemen.....	---	---	---	7.627	7.636	7.632	7.632	7.631	7.631	7.631	7.631
<b>Africa</b>											
Algeria.....	7.936	7.936	7.936	7.936	7.936	7.936	7.936	7.936	7.936	7.936	7.936
Angola.....	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.409
Benin.....	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870
Cameroon.....	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205
Congo.....	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Egypt.....	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.256
Equatorial Guinea.....	---	---	---	---	---	---	---	---	8.077	8.077	8.077
Gabon.....	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305
Ghana.....	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Ivory Coast.....	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Libya.....	7.515	7.515	7.515	7.515	7.515	7.515	7.515	7.515	7.515	7.515	7.515
Morocco.....	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600
Nigeria.....	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.315
Tunisia.....	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689
Zaire.....	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320

-- = No Production of this form of energy.

Sources: International Energy Annual 1992. DOE/EIA-0219(92) (94/01) (January 1994).

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

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
<b>Far East &amp; Oceania</b>											
Australia.....	7.720	7.855	7.855	7.855	7.855	7.855	7.855	7.855	7.855	7.855	7.855
Bangladesh.....	--	--	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453
Brunei.....	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340
China.....	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
India.....	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600
Indonesia.....	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558	7.558
Japan.....	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Malaysia.....	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641
Myanmar (Burma).....	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
New Zealand.....	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127	8.127
Pakistan.....	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Papua New Guinea.....	--	--	--	--	--	--	--	--	7.809	7.809	7.809
Philippines.....	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Taiwan.....	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568
Thailand.....	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758
Vietnam.....	--	--	--	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082

-- = No Production of this form of energy.

Sources: International Energy Annual 1992. DOE/EIA-0219 (92) (94/01) (January 1994).

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