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DE91 005693

International Petroleum Statistics Report

December 1990

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

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, consumption, imports, exports, and stocks. The report has three sections. Section 1 contains time series on world oil production, and on oil consumption and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1973, and monthly data for the most recent two years. Section 2 presents an oil supply/consumption balance for the market economies (i.e. non-communist countries). 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 beginning in 1982, and quarterly data for the most recent two years.

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. Questions about this information may be referred to Louis D. DeMouy, Chief of the EIA's International Statistics Branch, at (202) 586-6557 or Patricia A. Smith at (202) 586-6925 or to Michael J. Maloney, Team Leader of the Branch's Operations Team, at (202) 586-9415.

Recent International Developments

- o OPEC's average crude oil production (excluding condensate) for November 1990 was estimated to be 22.8 to 22.9 million barrels per day (MMBD). The largest producers were Saudi Arabia (including a share of the Neutral Zone) (8.1 to 8.2 MMBD), Iran (3.0 to 3.1 MMBD), Venezuela (2.2 to 2.3 MMBD), and the United Arab Emirates (2.2 to 2.3 MMBD).
- o The International Energy Agency (IEA) preliminary estimates of oil consumption for the Organization for Economic Cooperation and Development (OECD) countries in the third quarter of 1990 indicated an increase of 1.3 MMBD from the third quarter of 1989. According to the Energy Information Administration, oil consumption in the third quarter of 1989 for OECD countries was 36.4 MMBD.
- o Company-owned oil stocks on land in OECD countries are estimated by the IEA to have increased by 0.3 MMBD during the third quarter of 1990. Government-owned oil stocks increased slightly in the United States. The IEA estimates that total oil stocks in the OECD increased by 0.3 MMBD during the third quarter of 1990. According to the Energy Information Administration, total OECD oil stocks increased by 1.2 MMBD during the third quarter of 1989.

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1. Annual and Monthly Oil Data

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

	Algeria	Iraq	Kuwait ^{1/}	Libya	Qatar	Saudi Arabia ^{2/}	United Arab Emirates	Arab Members of OPEC ^{2/}	Indonesia	Iran
1973 Average....	1,097	2,018	3,020	2,175	570	7,596	1,533	18,009	1,339	5,861
1974 Average....	1,009	1,971	2,546	1,521	518	8,480	1,679	17,724	1,375	6,022
1975 Average....	983	2,262	2,084	1,480	438	7,075	1,664	15,985	1,307	5,350
1976 Average....	1,075	2,415	2,145	1,933	497	8,577	1,936	18,578	1,504	5,883
1977 Average....	1,152	2,348	1,969	2,063	445	9,245	1,999	19,221	1,686	5,663
1978 Average....	1,231	2,563	2,131	1,983	487	8,301	1,831	18,527	1,635	5,242
1979 Average....	1,224	3,477	2,500	2,092	508	9,532	1,831	21,164	1,591	3,168
1980 Average....	1,106	2,514	1,656	1,787	472	9,900	1,709	19,144	1,577	1,662
1981 Average....	1,002	1,000	1,125	1,140	405	9,815	1,474	15,961	1,605	1,380
1982 Average....	987	1,012	823	1,150	330	6,483	1,250	12,035	1,339	2,214
1983 Average....	968	1,005	1,064	1,105	295	5,086	1,149	10,672	1,343	2,440
1984 Average....	1,014	1,209	1,157	1,087	394	4,663	1,146	10,670	1,412	2,174
1985 Average....	1,037	1,433	1,023	1,059	301	3,388	1,193	9,434	1,325	2,250
1986 Average....	945	1,690	1,419	1,034	308	4,870	1,330	11,596	1,390	2,035
1987 Average....	1,048	2,079	1,585	972	293	4,265	1,541	11,783	1,343	2,298
1988 Average....	1,040	2,646	1,492	1,055	348	5,288	1,606	13,475	1,328	2,259
1989										
January....	1,090	2,650	1,250	1,050	400	5,000	1,735	13,175	1,365	2,800
February....	1,090	2,650	1,350	1,050	420	4,750	1,650	12,960	1,365	2,850
March....	1,090	2,650	1,390	1,050	340	4,590	1,675	12,785	1,365	2,900
April....	1,090	2,750	1,695	1,100	330	4,995	1,705	13,665	1,365	2,900
May....	1,090	2,750	2,005	1,100	410	5,105	1,705	14,165	1,365	2,500
June....	1,090	2,700	2,105	1,100	420	4,905	1,975	14,295	1,365	2,800
July....	1,110	2,850	1,905	1,100	400	5,005	1,920	14,290	1,350	2,800
August....	1,110	3,000	1,905	1,100	400	5,105	1,960	14,580	1,400	3,000
September..	1,110	2,900	1,905	1,100	400	5,305	2,155	14,875	1,350	2,850
October....	1,110	3,000	1,905	1,100	400	5,405	2,255	15,175	1,400	2,950
November....	1,110	2,950	2,095	1,150	380	5,795	2,355	15,835	1,400	2,800
December....	1,110	3,000	2,090	1,150	395	5,790	2,405	15,940	1,400	2,900
1989 Average....	1,100	2,822	1,802	1,096	391	5,148	1,959	14,319	1,374	2,863
1990										
January....	1,160	2,900	1,995	1,200	370	5,595	2,055	15,275	1,250	2,700
February....	1,160	2,900	1,995	1,350	380	5,695	2,030	15,510	1,250	3,000
March....	1,160	2,900	2,175	1,300	400	5,825	2,055	15,815	1,350	3,000
April....	1,160	2,950	1,950	1,250	400	5,950	2,100	15,760	1,400	2,900
May....	1,160	3,100	1,950	1,250	365	5,450	2,110	15,385	1,350	3,200
June....	1,160	3,200	1,755	1,250	365	5,455	2,050	15,235	1,350	3,100
July....	1,160	3,400	1,860	1,250	370	5,450	2,050	15,530	1,380	3,050
August....	1,160	1,000	140	1,400	400	5,850	1,650	11,600	1,450	3,300
September..	1,190	500	100	1,400	400	7,740	2,200	13,500	1,470	3,300
October....	1,210	450	75	1,550	400	7,810	2,310	13,805	1,475	3,000
1990 Average....	1,168	2,325	1,394	1,320	385	6,083	2,061	14,736	1,373	3,055

^{1/}Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1973 through July 1990. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990. In October 1990, total production in that region amounted to approximately 160 thousand barrels per day and was all included in the Saudi Arabian production.

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

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

	Nigeria	Vene- zuela	Total OPEC3/	Canada	Mexico	United Kingdom	United States4/	China	USSR	Other5/	World
1973 Average....	2,054	3,366	30,988	1,798	465	2	9,208	1,090	8,329	3,804	55,684
1974 Average....	2,255	2,976	30,729	1,551	571	2	8,774	1,315	8,856	3,862	55,660
1975 Average....	1,783	2,346	27,154	1,430	705	12	8,375	1,490	9,472	4,139	52,777
1976 Average....	2,067	2,294	30,737	1,314	831	245	8,132	1,670	9,985	4,355	57,269
1977 Average....	2,085	2,238	31,299	1,321	981	768	8,245	1,874	10,485	4,616	59,589
1978 Average....	1,897	2,165	29,875	1,316	1,209	1,082	8,707	2,082	10,950	4,782	60,003
1979 Average....	2,302	2,356	30,998	1,500	1,461	1,568	8,552	2,122	11,187	5,089	62,477
1980 Average....	2,055	2,168	26,985	1,435	1,936	1,622	8,597	2,114	11,469	5,204	59,353
1981 Average....	1,433	2,102	22,843	1,285	2,313	1,811	8,572	2,012	11,552	5,390	55,778
1982 Average....	1,295	1,895	19,145	1,271	2,748	2,065	8,649	2,045	11,615	5,646	53,184
1983 Average....	1,241	1,801	17,891	1,356	2,689	2,291	8,688	2,120	11,684	6,248	52,967
1984 Average....	1,388	1,798	17,857	1,438	2,780	2,480	8,879	2,296	11,576	6,897	54,203
1985 Average....	1,495	1,677	16,634	1,471	2,745	2,530	8,971	2,505	11,250	7,540	53,646
1986 Average....	1,467	1,787	18,734	1,474	2,435	2,539	8,680	2,620	11,540	7,850	55,872
1987 Average....	1,341	1,752	18,846	1,535	2,548	2,406	8,349	2,690	11,690	8,242	56,306
1988 Average....	1,450	1,903	20,899	1,610	2,512	2,232	8,140	2,728	11,679	8,664	58,464
1989											
January....	1,450	1,840	21,115	1,580	2,525	1,814	7,937	2,790	11,535	9,069	58,365
February....	1,450	1,840	20,920	1,570	2,495	1,764	7,788	2,790	11,535	9,017	57,879
March....	1,600	1,840	21,250	1,540	2,535	1,809	7,575	2,790	11,535	9,236	58,270
April....	1,650	1,840	21,900	1,555	2,520	1,709	7,772	2,690	11,420	9,134	58,700
May....	1,650	1,840	21,980	1,560	2,520	1,554	7,816	2,700	11,420	9,072	58,622
June....	1,750	1,890	22,590	1,600	2,520	1,365	7,624	2,700	11,365	8,920	58,684
July....	1,850	1,850	22,630	1,535	2,515	1,752	7,444	2,740	11,365	9,210	59,191
August....	1,750	1,900	23,160	1,540	2,516	1,839	7,544	2,770	11,365	9,347	60,080
September..	1,750	1,900	23,255	1,580	2,450	1,949	7,548	2,805	11,255	9,340	60,182
October....	1,650	1,950	23,705	1,525	2,510	2,044	7,453	2,830	11,180	9,507	60,754
November....	1,850	1,950	24,405	1,595	2,510	1,964	7,536	2,770	11,180	9,557	61,517
December....	1,850	1,950	24,590	1,545	2,470	1,874	7,337	2,745	11,180	9,429	61,170
1989 Average....	1,689	1,883	22,634	1,560	2,507	1,787	7,613	2,760	11,360	9,238	59,460
1990											
January....	1,750	1,990	23,505	1,460	2,515	1,924	7,522	2,800	11,215	9,546	60,487
February....	1,750	2,140	24,200	1,480	2,515	1,824	7,465	2,780	11,215	9,623	61,102
March....	1,750	2,040	24,515	1,585	2,505	1,929	7,394	2,750	11,050	9,709	61,457
April....	1,850	2,040	24,510	1,530	2,505	1,929	7,331	2,750	11,050	9,733	61,338
May....	1,750	2,040	24,255	1,510	2,480	1,899	7,259	2,750	10,950	9,740	60,843
June....	1,750	2,040	24,025	1,490	2,460	1,844	7,076	2,760	10,900	9,629	60,184
July....	1,750	2,040	24,300	1,525	2,500	1,755	7,144	2,720	10,605	9,548	60,097
August....	1,850	2,090	20,860	1,525	2,540	1,635	7,215	2,755	10,485	9,550	56,565
September..	1,900	2,290	23,060	1,530	2,620	1,765	7,167	2,815	10,395	9,830	59,182
October....	1,950	2,275	23,090	1,580	2,650	1,870	7,292	2,780	10,395	10,112	59,769
1990 Average....	1,805	2,098	23,624	1,522	2,529	1,839	7,286	2,766	10,823	9,702	60,091

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

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

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

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

Notes: a Monthly data are often preliminary. Monthly data also may not average to the annual totals due to rounding. Sources: See end of Section 1.

Table 1.2 OPEC^{1/} Crude Oil Production (Excluding Condensate)
(Thousand Barrels per Day)

	Algeria	Ecuador	Gabon	Indo- nesia	Iran	Iraq	Kuwait ^{2/}	Libya	Nigeria	Qatar	Saudi Arabia ^{2/}	United Arab Emirates	Vene- zuela	Total OPEC
1980 Average...	1,006	204	175	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,769
1981 Average...	802	211	151	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,517
1982 Average...	712	211	156	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,109	1,878	18,716
1983 Average...	648	237	157	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,091	1,768	17,390
1984 Average...	694	258	157	1,279	2,174	1,209	1,157	1,087	1,369	394	4,663	1,133	1,689	17,220
1985 Average...	702	281	172	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,270	1,558	15,956
1986 Average...	600	293	166	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,441	1,645	18,034
1987 Average...	648	174	155	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,506	1,587	17,977
1988 Average...	640	309	175	1,163	2,259	2,646	1,492	1,055	1,400	348	5,288	1,715	1,715	19,995
1989														
January...	690	310	175	1,200	2,800	2,650	1,250	1,050	1,400	400	5,000	1,635	1,650	20,210
February...	690	280	175	1,200	2,850	2,650	1,350	1,050	1,400	420	4,750	1,550	1,650	20,015
March...	690	280	180	1,200	3,200	2,650	1,390	1,050	1,550	340	4,590	1,575	1,650	20,345
April...	690	280	200	1,200	2,900	2,750	1,695	1,100	1,600	330	4,995	1,605	1,650	20,995
May...	690	250	210	1,200	2,500	2,750	2,005	1,100	1,600	410	5,105	1,605	1,650	21,075
June...	690	280	210	1,200	2,800	2,700	2,105	1,100	1,700	420	4,905	1,875	1,700	21,685
July...	700	280	210	1,200	2,800	2,850	1,905	1,100	1,800	400	5,005	1,865	1,700	21,815
August...	700	300	230	1,250	3,000	3,000	1,905	1,100	1,700	400	5,105	1,905	1,750	22,345
September...	700	300	230	1,200	2,850	2,900	1,905	1,100	1,700	400	5,305	2,100	1,750	22,440
October...	700	300	280	1,250	2,950	3,000	1,905	1,100	1,600	400	5,405	2,200	1,800	22,890
November...	700	290	280	1,250	2,800	2,950	2,095	1,150	1,800	380	5,795	2,300	1,800	23,590
December...	700	290	260	1,250	2,900	3,000	2,090	1,150	1,800	395	5,790	2,350	1,800	23,775
1989 Average...	695	287	220	1,217	2,863	2,822	1,802	1,096	1,639	391	5,148	1,882	1,713	21,775
1990														
January...	750	280	260	1,100	2,700	2,900	1,995	1,200	1,700	370	5,595	2,000	1,950	22,800
February...	750	280	270	1,100	3,000	2,900	1,995	1,350	1,700	380	5,695	1,975	2,100	23,495
March...	750	280	280	1,200	3,000	2,900	2,175	1,300	1,700	400	5,825	2,000	2,000	23,810
April...	750	280	280	1,250	2,900	2,950	1,950	1,250	1,800	400	5,950	2,050	2,000	23,810
May...	750	280	250	1,200	3,200	3,100	1,950	1,250	1,700	365	5,450	2,060	2,000	23,555
June...	750	280	270	1,200	3,100	3,200	1,755	1,250	1,700	365	5,455	2,000	2,000	23,325
July...	750	280	270	1,230	3,050	3,400	1,850	1,250	1,700	370	5,450	2,000	2,000	23,600
August...	750	300	270	1,300	3,300	1,000	140	1,400	1,800	400	5,850	2,000	2,050	20,160
September...	780	290	280	1,320	3,300	500	100	1,400	1,850	400	7,740	2,150	2,250	22,360
October...	800	290	295	1,325	3,000	450	75	1,550	1,900	400	7,810	2,260	2,235	22,390
1990 Average...	758	284	272	1,223	3,055	2,325	1,394	1,320	1,755	385	6,083	2,009	2,058	22,923

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

^{2/}Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990. In October 1990, total production in that region amounted to approximately 160 thousand barrels per day and was all included in the Saudi Arabian production.

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

Sources: See end of Section I

Table 1.3 World Natural Gas Plant Liquids Production
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	Market Economies ^{2/}	World
1973 Average.....	9	314	75	90	165	1,738	191	196	325	2,599	2,781
1974 Average.....	12	314	80	130	246	1,688	231	219	347	2,582	2,846
1975 Average.....	20	309	80	140	256	1,633	246	252	373	2,567	2,842
1976 Average.....	24	289	95	185	295	1,603	291	313	442	2,625	2,942
1977 Average.....	19	290	105	215	353	1,618	335	366	482	2,725	3,102
1978 Average.....	25	281	115	250	410	1,567	410	447	568	2,796	3,235
1979 Average.....	30	331	150	303	467	1,584	458	535	639	2,985	3,484
1980 Average.....	36	331	193	369	531	1,573	534	618	734	3,126	3,695
1981 Average.....	49	330	241	433	598	1,609	599	691	827	3,291	3,927
1982 Average.....	58	318	255	430	612	1,550	612	721	844	3,275	3,925
1983 Average.....	56	309	265	330	618	1,559	552	655	782	3,267	3,927
1984 Average.....	105	336	257	355	625	1,630	604	761	871	3,489	4,157
1985 Average.....	120	337	271	316	685	1,609	586	749	835	3,485	4,217
1986 Average.....	120	328	352	304	795	1,551	619	778	890	3,581	4,423
1987 Average.....	140	367	338	345	880	1,595	648	823	935	3,722	4,653
1988 Average.....	150	384	370	409	870	1,625	736	928	1,039	3,913	4,834
1989											
January.....	150	420	375	410	825	1,664	719	914	1,032	3,997	4,873
February.....	150	440	375	410	825	1,607	719	914	1,032	3,960	4,836
March.....	150	445	365	410	825	1,650	719	914	1,032	3,998	4,874
April.....	150	455	370	410	795	1,674	719	914	1,032	4,037	4,883
May.....	150	405	360	410	795	1,620	719	914	1,032	3,923	4,769
June.....	150	390	360	410	795	1,507	719	914	1,032	3,790	4,636
July.....	150	370	390	410	795	1,541	734	929	1,047	3,849	4,695
August.....	150	380	375	410	795	1,504	734	929	1,047	3,807	4,653
September.....	150	380	385	410	795	1,480	734	929	1,047	3,793	4,639
October.....	150	369	385	410	795	1,478	734	929	1,047	3,776	4,622
November.....	150	405	385	410	795	1,483	734	929	1,047	3,826	4,672
December.....	150	410	385	410	795	1,343	734	929	1,047	3,691	4,537
1989 Average.....	150	405	376	410	802	1,546	727	922	1,040	3,870	4,723
1990											
January.....	150	445	400	420	795	1,525	794	979	1,112	4,013	4,859
February.....	150	445	410	420	795	1,558	794	979	1,112	4,056	4,902
March.....	150	445	420	420	795	1,519	794	979	1,112	4,012	4,858
April.....	150	415	420	420	795	1,481	794	979	1,112	3,949	4,795
May.....	150	390	405	420	795	1,499	794	979	1,112	3,927	4,773
June.....	150	395	405	420	795	1,453	794	979	1,112	3,851	4,697
July.....	150	370	415	420	795	1,480	794	979	1,112	3,813	4,659
August.....	150	355	425	420	795	1,562	674	859	992	3,770	4,616
September.....	150	355	430	420	795	1,587	674	859	992	3,770	4,616
October.....	150	350	430	420	795	1,514	674	859	992	3,732	4,578
1990 Average.....	150	396	416	420	795	1,518	758	943	1,076	3,892	4,738

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

^{2/}See Appendix A for countries in this group.

^{3/}OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in this group.

R=Revised data. E=Estimated.

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

Sources: See end of Section 1.

Table 1.4 World Oil Supply^{1/} of Crude Oil, Natural Gas Liquids, Other Liquids, and Refinery Gain
(Thousand Barrels per Day)

	United States ^{2/}	Persian Gulf ^{3/}	Market Economies ^{3/}			World
			OAPEC ^{4/}	OPEC ^{4/}	Non-OPEC	
1973 Average	11,428	20,895	18,656	31,376	17,868	59,305
1974 Average	10,978	21,550	18,399	31,143	17,349	59,396
1975 Average	10,505	19,223	16,831	27,604	17,195	56,514
1976 Average	10,251	21,847	19,563	31,253	17,419	61,127
1977 Average	10,437	22,098	20,372	31,850	18,603	63,674
1978 Average	10,820	21,067	19,819	30,533	19,762	64,239
1979 Average	10,707	21,569	22,575	31,720	21,018	66,989
1980 Average	10,809	18,541	20,715	27,802	21,808	64,177
1981 Average	10,739	15,894	17,619	23,759	22,400	60,789
1982 Average	10,783	12,815	13,786	20,073	23,420	58,258
1983 Average	10,788	11,676	12,416	18,750	24,426	58,101
1984 Average	11,107	11,433	12,619	18,608	25,909	59,695
1985 Average	11,192	10,261	11,439	17,549	26,803	59,267
1986 Average	10,905	12,360	13,571	19,692	26,615	61,738
1987 Average	10,648	12,796	13,915	19,849	26,884	62,463
1988 Average	10,473	14,463	15,687	22,006	27,061	64,807
1989						
January	10,421	14,642	15,417	22,215	27,046	64,871
February	10,102	14,477	15,222	22,020	26,605	64,235
March	9,916	14,652	15,067	22,350	26,688	64,648
April	10,173	15,182	15,917	23,000	26,747	65,122
May	10,149	15,282	16,417	23,080	26,472	64,917
June	9,862	15,712	16,552	23,690	25,864	64,864
July	9,767	15,702	16,555	23,745	26,386	65,131
August	9,733	16,189	16,844	24,275	26,571	66,231
September	9,760	16,337	17,198	24,370	26,686	66,366
October	9,614	16,737	17,538	24,820	26,787	66,872
November	9,721	17,197	18,167	25,520	26,979	67,704
December	9,367	17,402	18,287	25,705	26,322	67,207
1989 Average	9,880	15,800	16,606	23,742	26,597	65,718
1990						
January	E9,776	16,497	17,667	24,685	26,919	66,878
February	E9,810	16,880	17,897	25,380	26,960	67,594
March	E9,641	17,235	18,215	25,695	27,092	67,846
April	E9,529	17,130	18,160	25,690	26,899	67,653
May	E9,467	17,055	17,775	25,435	26,729	67,128
June	E9,254	16,806	17,646	25,205	R26,285	R66,409
July	E9,306	17,050	17,955	25,480	R26,177	R66,241
August	E9,559	13,092	13,897	21,911	R26,347	R62,757
September	RE9,485	14,992	RI5,829	24,111	R26,783	R65,363
October	PE9,528	14,797	16,104	24,141	27,288	65,863
1990 Average	PE9,534	16,145	17,106	24,765	26,747	66,361

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

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

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

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

See Appendix A for countries in this group.

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

Notes: Monthly data are after preliminary. Monthly data also may not average to the annual total due to rounding.

Sources: See end of Section 1.

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

	France	Italy	West Germany	United Kingdom	OECD Europe2/	United States3/	Canada	Japan	Other4/	Total OECD
1973 December.....	201	152	181	156	1,070	1,008	140	303	67	2,588
1974 December.....	249	167	213	161	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										
January.....	138	159	277	121	1,133	1,620	117	547	69	3,486
February.....	129	154	272	121	1,103	1,601	116	548	69	3,437
March.....	123	148	270	115	1,085	1,568	111	552	68	3,384
April.....	131	152	271	114	1,091	1,596	118	549	71	3,425
May.....	132	152	272	121	1,111	1,623	117	553	73	3,476
June.....	128	154	269	112	1,096	1,608	119	557	71	3,450
July.....	133	155	270	119	1,120	1,649	125	557	70	3,521
August.....	135	165	271	118	1,133	1,654	123	567	72	3,549
September.....	135	165	274	120	1,137	1,667	121	572	66	3,563
October.....	134	165	272	117	1,121	1,658	117	580	70	3,547
November.....	139	163	267	117	1,125	1,663	121	588	75	3,571
December.....	138	164	271	118	1,133	1,581	114	577	71	3,476
1990										
January.....	132	162	273	119	1,120	1,632	112	588	68	3,521
February.....	134	158	267	116	1,126	1,639	116	569	74	3,525
March.....	130	163	268	121	1,117	1,643	121	581	71	3,533
April.....	135	159	270	114	R1,143	1,640	126	578	77	R3,564
May.....	145	155	268	125	R1,170	1,671	121	590	77	R3,629
June.....	145	160	268	120	R1,146	1,684	119	581	75	R3,605
July.....	R149	155	R271	118	R1,170	1,711	R117	R578	71	R3,648
August.....	150	167	274	122	1,176	1,701	119	582	71	3,649

1/See Explanatory Note 2 in Appendix B.

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

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, 1,420 in 1980, and 1,462 in 1982.

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

R-Revised data.

Sources: See end of Section 1.

Table 1.6 Commercial and Government-Owned Oil Stocks^{1/} in OECD^{2/} Countries (End of June 1990)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	119	0	119
United States ^{3/}	1,097	587	1,684
United States Territories.....	26	0	26
Japan.....	375	206	581
Australia/New Zealand.....	49	NA	49
Austria.....	20	0	20
Belgium/Luxembourg.....	29	0	29
Denmark.....	35	0	35
Germany, West.....	215	53	268
Greece.....	33	NA	33
Ireland.....	7	0	7
Italy.....	154	6	160
Netherlands.....	84	0	84
Norway.....	34	0	34
Portugal.....	22	0	22
Spain.....	73	0	73
Sweden.....	28	1	29
Switzerland.....	40	0	40
Turkey.....	23	0	23
United Kingdom.....	120	0	120
IEA Europe.....	917	60	977
Finland/Iceland.....	25	0	25
France.....	145	0	145
OECD Europe.....	1,086	60	1,146
Total IE/ 2/.....	2,583	853	3,436
Total OECD.....	2,752	853	3,605

1/See Explanatory Note 2 in Appendix B.

2/OECD=Organization for Economic Cooperation and Development. IEA=International Energy Agency. See Appendix A for countries in this group.

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

NA=Not Available.

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

Sources: See end of Section 1.

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

	France	Italy	Germany	United Kingdom	OECD Europe2/	United States3/	Canada	Japan	Other4/	Total OECD
1973 Average....	2,422	2,147	2,915	2,301	14,521	17,308	1,707	5,071	1,006	39,612
1974 Average....	2,260	2,090	2,612	2,138	13,708	16,653	1,718	4,960	1,056	38,117
1975 Average....	2,136	1,940	2,515	1,872	13,059	16,322	1,718	4,502	1,999	36,600
1976 Average....	2,280	1,991	2,708	1,856	13,813	17,461	1,751	4,771	1,068	38,864
1977 Average....	2,235	1,907	2,837	1,880	13,795	18,431	1,779	5,231	1,122	40,359
1978 Average....	2,169	1,948	3,048	1,850	13,963	18,847	1,823	5,142	1,117	40,892
1979 Average....	2,385	2,013	3,073	1,930	14,670	18,513	1,893	5,480	1,090	41,646
1980 Average....	2,256	1,934	2,707	1,725	13,634	17,056	1,873	4,960	1,072	38,595
1981 Average....	2,023	1,874	2,449	1,590	12,515	16,058	1,768	4,848	1,080	36,265
1982 Average....	1,880	1,781	2,372	1,590	12,053	15,296	1,578	4,582	1,008	34,517
1983 Average....	1,835	1,750	2,324	1,531	11,765	15,231	1,448	4,395	954	33,793
1984 Average....	1,754	1,646	2,322	1,849	11,736	15,726	1,472	4,576	989	34,500
1985 Average....	1,775	1,717	2,338	1,634	11,681	15,726	1,504	4,384	976	34,271
1986 Average....	1,772	1,738	2,498	1,649	12,102	16,281	1,506	4,439	951	35,279
1987 Average....	1,789	1,855	2,424	1,603	12,255	16,665	1,548	4,484	958	35,911
1988 Average....	1,797	1,836	2,422	1,697	12,427	17,283	1,693	4,752	939	37,093
1989										
January....	1,923	2,041	1,879	1,716	12,235	17,269	1,720	5,224	895	37,343
February....	2,089	2,136	2,172	1,784	12,999	17,920	1,801	5,601	1,036	39,357
March....	1,946	1,941	2,254	1,810	12,878	17,989	1,732	5,571	949	39,119
April....	1,719	1,753	2,147	1,747	11,910	16,624	1,673	4,581	974	35,762
May....	1,623	1,792	2,128	1,665	11,747	16,546	1,724	4,362	1,022	35,400
June....	1,762	1,884	2,235	1,708	12,346	17,497	1,702	4,455	1,040	37,040
July....	1,668	1,667	2,324	1,617	11,655	16,453	1,684	4,570	983	35,346
August....	1,651	1,737	2,502	1,737	12,389	17,360	1,872	4,586	1,029	37,236
September....	1,846	1,917	2,438	1,727	12,638	16,795	1,721	4,630	902	36,686
October....	1,955	2,061	2,436	1,795	13,052	17,304	1,762	4,746	930	37,795
November....	2,015	2,166	2,520	1,900	13,608	17,311	1,819	5,319	976	39,034
December....	2,095	2,206	2,304	1,822	13,264	18,858	1,950	6,161	981	41,214
Average....	1,856	1,940	2,278	1,752	12,561	17,325	1,763	4,981	976	37,607
1990										
January....	2,043	2,163	2,206	1,742	12,982	16,968	1,696	5,628	953	38,227
February....	1,951	2,015	2,391	1,853	13,094	17,024	1,812	5,952	978	38,861
March....	1,886	1,838	2,342	1,939	12,745	17,083	1,745	5,576	1,063	38,211
April....	1,806	1,594	R2,209	1,744	R12,055	16,666	R1,654	4,737	R948	36,060
May....	1,635	1,762	R2,294	1,774	R12,073	16,843	R1,746	4,544	R1,015	36,221
June....	1,792	1,768	R2,412	1,823	R12,574	17,112	R1,679	4,607	R986	36,957
July....	R1,884	1,846	R2,687	R1,835	R13,056	16,856	R1,730	R5,069	R993	37,704
August....	1,811	1,709	2,384	1,781	12,845	17,936	2,011	5,386	1,098	39,275

1/The term Consumption is used interchangeably with Petroleum Products Supplied. See Appendix C for definition.
2/OECD Europe consists of Austria, Belgium, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and West Germany.
3/U.S. geographic coverage is the 50 States and the District of Columbia.
4/Other consists of Australia, New Zealand, and the U.S. Territories.
R=Revised data. E=Estimate. NA=Not Available.
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 1989 and Petroleum Supply Monthly, September 1990.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, West 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 1989 and Petroleum Supply Monthly, September 1990.

Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.
o OECD, Monthly Oil Statistics data base, 1980-1990.

Oil Consumption

United States: EIA, Petroleum Supply Annual 1989 and Petroleum Supply Monthly, September 1990.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues. o OECD, Monthly Oil Statistics data base, 1980-1990.

2. International Oil Balance Data

Table 2.1 Market Economies Oil Balance
(Million Barrels per Day)

	1988		1989				1990					
	Average		First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
Supply 1/												
Production												
United States.....	10.5	10.1	10.1	10.1	9.8	9.6	9.9	9.7	9.4	9.5	NA	NA
OPEC.....	22.0	22.2	22.3	23.3	24.1	25.3	23.7	25.3	25.4	23.8	NA	NA
Other Non-OPEC.....	16.6	16.6	16.3	16.3	16.8	17.1	16.7	17.2	17.2	17.0	NA	NA
Total Mkt. Economies	49.1	49.0	49.6	49.6	50.7	52.0	50.3	52.2	52.1	50.3	NA	NA
Net CPE Exports 2/.....	2.2	1.8	1.9	1.9	2.0	1.8	1.9	1.6	1.8	2.0	NA	NA
Total Supply.....	51.3	50.8	51.5	51.5	52.6	53.9	52.2	53.9	53.9	52.2	NA	NA
Net Stock Additions												
U.S. Commercial.....	-0.1	-0.4	0.4	0.4	0.6	-1.0	-0.1	0.7	0.4	NA	NA	NA
U.S. Strategic.....	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	NA	NA	NA
Other Mkt. Economies.....	0.4	-0.5	0.2	0.2	1.3	-0.1	0.2	0.4	0.4	NA	NA	NA
Total Stock Additions.	0.4	-0.8	0.7	0.7	2.0	-1.1	0.2	1.1	0.9	NA	NA	NA
Consumption 3/												
United States.....	17.3	17.7	16.9	16.9	16.9	17.8	17.3	17.0	16.9	NA	NA	NA
U.S. Territories.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	NA	NA	NA
Japan.....	4.8	5.5	4.5	4.5	4.6	5.4	5.0	5.7	4.6	NA	NA	NA
OECD Europe 4/.....	12.4	12.7	12.0	12.0	12.2	13.3	12.6	12.9	12.2	NA	NA	NA
Other Mkt. Economies.....	16.4	17.2	17.1	17.1	17.0	17.9	17.3	17.9	17.9	NA	NA	NA
Total Mkt. Economies..	51.1	53.3	50.7	50.7	50.9	54.6	52.4	53.7	51.8	NA	NA	NA
Statistical Discrepancy....	-0.2	-1.7	0.1	0.1	-0.3	0.4	-0.4	-0.9	1.2	NA	NA	NA
Closing Stocks												
(Million Barrels).....	5,253	5,177	5,243	5,243	5,427	5,329	5,329	5,428	5,510	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, liquids produced from coal and other sources, and net CPE exports.
2/CPE=Centrally Planned Economies. See Appendix A for countries in this group. See also Note 1 in Appendix D.
3/The term Consumption is used interchangeably with Petroleum Products Supplied. See Appendix C for definition.
4/WECD Europe consists of Austria, Belgium, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and West Germany.

NA=Not Available.

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

Sources: See end of Section 2.

Table 2.2 Oil Supply^{1/} in the Market Economies
(Million Barrels per Day)

	1988	1989			1990		
	Average	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average	Fourth Quarter
United States 2/.....	10.5	10.1	10.1	9.8	9.6	9.9	NA
Canada.....	2.0	2.0	2.0	2.0	2.0	2.0	NA
Mexico.....	2.9	2.9	2.9	2.9	2.9	2.9	NA
North Sea.....	3.8	3.6	3.4	3.7	3.9	3.7	NA
Other Non-OPEC.....	7.9	8.1	7.9	8.2	8.3	8.1	NA
Subtotal.....	27.0	26.8	26.3	26.5	26.7	26.6	NA
OPEC							
Algeria.....	1.0	1.1	1.1	1.1	1.1	1.1	NA
Ecuador.....	0.3	0.3	0.3	0.3	0.3	0.3	NA
Gabon.....	0.2	0.2	0.2	0.2	0.3	0.3	NA
Indonesia.....	1.3	1.4	1.4	1.4	1.4	1.4	NA
Iran.....	2.3	3.0	2.7	2.9	2.9	2.9	NA
Neutral Zone.....	0.3	0.4	0.4	0.4	0.4	0.4	NA
Iraq.....	2.6	2.7	2.7	2.9	3.0	2.8	NA
Kuwait.....	1.3	1.1	1.7	1.7	1.8	1.6	NA
Libya.....	1.1	1.1	1.1	1.1	1.1	1.1	NA
Nigeria.....	1.5	1.5	1.7	1.8	1.8	1.7	NA
Qatar.....	0.3	0.4	0.4	0.4	0.4	0.4	NA
Saudi Arabia.....	5.1	4.6	4.8	4.9	5.5	5.5	NA
United Arab Emirates.....	1.6	1.7	1.8	2.0	2.3	2.0	NA
Venezuela.....	1.9	1.8	1.9	1.9	2.0	2.1	NA
Natural Gas Plant Liquids	1.0	1.0	1.0	1.0	1.0	1.0	NA
Processing Gain.....	0.1	0.1	0.1	0.1	0.1	0.1	NA
Subtotal.....	22.0	22.2	23.3	24.1	25.3	23.7	NA
Net CPE Exports 3/.....	2.2	1.8	1.9	2.0	1.8	1.9	NA
Total Supply.....	51.3	50.8	51.5	52.6	53.9	52.2	NA

^{1/}Supply includes crude oil (including lease condensate), natural gas plant liquids, (except for individual OPEC countries), other hydrogen and hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and processing gain (except for individual OPEC countries).
For OPEC, natural gas plant liquids production and processing gain are shown as separate lines.
^{2/}U.S. geographic coverage is the 50 States and the District of Columbia.
^{3/}CPE=Centrally Planned Economies. See Appendix A for countries in this group. See also Note 1 in Appendix D.

NA=Not Available.
Note: Sum of components may not equal total due to rounding.
Sources: See end of Section 2.

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

	1988		1989			1990		
	Year End	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	First Quarter	Second Quarter	Third Quarter
OECD								
United States 2/								
Commercial.....	1,037	1,002	1,036	1,090	1,001	1,061	1,097	NA
Strategic.....	560	566	572	577	580	582	587	NA
OECD Europe.....	1,118	1,085	1,096	1,137	1,133	1,117	1,146	NA
Japan.....	538	552	557	572	577	581	581	NA
Other OECD.....	187	179	190	187	184	193	194	NA
Total OECD.....	3,440	3,384	3,450	3,563	3,476	3,533	3,605	NA
Other Stocks 3/.....	808	803	798	839	843	845	840	NA
Total Inland Stocks 4/.....	4,248	4,187	4,248	4,402	4,319	4,378	4,445	NA
Stocks for Export and Afloat 5/.....	920	920	925	960	945	970	980	NA
Commercial Floating 6/.....	85	70	70	65	65	80	85	NA
Total Market Economies.....	5,253	5,177	5,243	5,427	5,329	5,428	5,510	NA

1/See Note 2 in Appendix B.

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

3/EIA estimate. These are stocks in non-OECD countries based on 55 days of forward consumption. See Note 2 in Appendix D.

4/Excludes stocks for export and afloat and floating storage. Includes all government held strategic stocks.

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

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

NA=Not Available.

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

Sources: See end of Section 2.

Table 2.4 Oil Consumption^{1/} in the Market Economies
(Million Barrels per Day)

	1988	1989			1990						
	Average	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Annual Average
OECD											
United States 2/.....	17.3	17.7	16.9	16.9	17.8	17.3	17.0	16.9	NA	NA	NA
U.S. Territories.....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	NA	NA	NA
Canada.....	1.7	1.7	1.7	1.8	1.8	1.8	1.7	1.7	NA	NA	NA
Japan.....	4.8	5.5	4.5	4.6	5.4	5.0	5.7	4.6	NA	NA	NA
OECD Europe											
France.....	1.8	2.0	1.7	1.7	2.0	1.9	2.0	1.7	NA	NA	NA
Italy.....	1.8	2.0	1.8	1.8	2.1	1.9	2.0	1.7	NA	NA	NA
United Kingdom.....	1.7	1.8	1.7	1.7	1.8	1.8	1.8	1.8	NA	NA	NA
West Germany.....	2.4	2.1	2.2	2.4	2.4	2.3	2.3	2.3	NA	NA	NA
Other OECD Europe....	4.7	4.8	4.6	4.6	4.9	4.7	4.8	4.7	NA	NA	NA
Total OECD Europe 3/....	12.4	12.7	12.0	12.2	13.3	12.6	12.9	12.2	NA	NA	NA
Australia & New Zealand.	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	NA	NA	NA
Total OECD.....	37.1	38.6	36.1	36.4	39.4	37.6	38.4	36.4	NA	NA	NA
OPEC.....	3.9	4.1	4.1	4.1	4.1	4.1	4.3	4.3	NA	NA	NA
Other Market Economies....	10.0	10.6	10.5	10.4	11.1	10.6	11.1	11.1	NA	NA	NA
Total Market Economies....	51.1	53.3	50.7	50.9	54.6	52.4	53.7	51.8	NA	NA	NA

1/Includes bunkers and refinery fuel. The term Consumption is used interchangeably with Petroleum Products Supplied. See Appendix C for definition.

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

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

NA=Not Available.

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

Sources: See end of Section 2.

Sources for Section 2 (International Oil Balance Data)

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

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1989 and Petroleum Supply Monthly, September 1990.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, West 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.

Net CPE Exports: EIA, International Energy Annual, various issues and Short Term Energy Outlook, various issues.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1989 and Petroleum Supply Monthly, September 1990.

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

o OECD, Monthly Oil Statistics data base, 1980-1990.
Stocks for Export and Afloat and Commercial Floating Stocks -- Petroleum Economics Limited, Oil Industry Developments, various issues.

Oil Consumption

United States: EIA, Petroleum Supply Annual 1989 and Petroleum Supply Monthly, September 1990.

Other OECD Countries: OECD, Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues. o OECD, Monthly Oil Statistics data base, 1980-1990.

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 Net Oil Imports Into OECD^{1/} Countries (2nd Quarter 1990)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	Total	OECD Europe					OECD Outside Europe				
		Total	United Kingdom	France	West Germany	Italy	Other Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}
Total Net Imports...	20.111	7.926	-0.251	1.741	2.144	1.582	2.710	7.648	-0.413	4.793	0.156
Imports from OPEC ^{5/} :	15.108	6.328	.400	.860	.750	1.392	2.925	4.382	.152	3.862	.384
Imports from Persian Gulf ^{6/} :											
Total.....	9.489	3.873	.297	.737	.220	.666	1.953	1.961	.063	3.281	.311
Bahrain.....	.064	.017	-	.017	-	-	-	.002	-	.044	.005
Iran.....	1.600	1.364	.131	.229	.022	.224	.748	.000	-	.236	.000
Iraq.....	1.693	.805	.058	.113	.011	.116	.507	.675	.007	.202	.004
Kuwait.....	.998	.424	.010	.018	.019	.097	.280	.070	.000	.489	.016
U.A.E.....	1.460	.446	.019	.249	.021	.081	.075	.033	.000	.845	.136
Qatar.....	.380	.117	-	.111	.006	-	.000	.014	-	.245	.004
Saudi Arabia.....	3.294	.701	.080	.000	.131	.147	.342	1.171	.056	1.220	.146
Imports from OPEC-Africa											
Total.....	3.585	2.286	.074	.130	.473	.724	.884	1.230	.067	.014	-.011
Algeria.....	.963	.675	.035	.059	.105	.165	.311	.271	.012	.014	-.009
Gabon.....	.062	.017	-	-	-	-	.017	.039	-	.000	.006
Libya.....	1.207	1.207	.019	.060	.263	.540	.326	.000	-	-	.000
Nigeria.....	1.352	.386	.020	.011	.106	.018	.230	.919	.055	-	-.008
Imports from OPEC-South America											
Total.....	1.374	.136	.028	.010	.056	.003	.088	1.090	.022	.006	.070
Ecuador.....	.056	.000	-	.000	-	-	-	.047	-	-	.008
Venezuela.....	1.318	.186	.028	.010	.056	.003	.088	1.042	.022	.006	.062
Imports from OPEC-Far East											
Total.....	.724	.000	-	-	-	-	.000	.100	-	.605	.019
Indonesia.....	.724	.000	-	-	-	-	.000	.100	-	.605	.019

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

^{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 the District of Columbia.

^{4/}"Other" consists of Australia, New Zealand, and the 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: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

Sources: See end of Section 3.

Table 3.2 Net Oil Imports Into OECD¹/ Countries (1st Quarter 1990)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	Total	OECD Europe					OECD Outside Europe				
		Total	United Kingdom	France	West Germany	Italy	Other Europe ² /	United States ³ /	Canada	Japan	Other ⁴ /
Total Net Imports...	21.145	8.101	-0.239	1.757	2.044	1.906	2.634	7.661	-0.292	5.480	0.195
Imports from OPEC ⁵ /	16.120	6.769	.463	.891	.767	1.373	3.275	4.580	.196	4.165	.410
Imports from											
Persian Gulf ⁶ /	10.112	4.125	.332	.706	.233	.657	2.197	2.064	.191	3.541	.282
Total.....	.062	.007	-	.007	-	-	-	-.001	-	.053	.003
Bahrain.....	1.572	1.251	.182	.203	.058	.118	.690	.000	-	.321	.000
Iran.....	1.784	.908	.008	.138	.005	.152	.604	.577	.022	.258	.019
Iraq.....	1.194	.494	.064	.006	.021	.076	.326	.164	.016	.500	.020
Kuwait.....	1.524	.216	.013	.016	.020	.110	.058	.024	.007	1.140	.137
U.A.E.....	.268	.014	.000	.000	.004	-	.010	.030	-	.254	.000
Qatar.....	3.709	1.235	.064	.336	.124	.200	.510	1.300	.056	1.016	.102
Saudi Arabia.....											
Imports from											
OPEC-Africa	3.873	2.473	.108	.186	.470	.711	.998	1.328	.054	.012	.005
Total.....	.990	.657	.051	.067	.131	.146	.263	.335	.000	.002	-.003
Algeria.....	.114	.012	-	-	-	-	.012	.085	-	.010	.006
Libya.....	1.220	1.220	.028	.058	.251	.526	.358	.000	-	-	.000
Nigeria.....	1.549	.585	.030	.062	.088	.039	.365	.908	.054	-	.002
Imports from											
OPEC-South America	1.311	.171	.022	.006	.065	.005	.072	1.011	.042	.007	.080
Total.....	.075	.000	-	.000	-	-	-	.052	-	-	.022
Ecuador.....	1.236	.170	.022	.006	.065	.005	.072	.959	.042	.007	.058
Venezuela.....											
Imports from											
OPEC-Far East	.886	.008	-	-	-	-	.008	.175	-	.657	.046
Total.....	.886	.008	-	-	-	-	.008	.175	-	.657	.046
Indonesia.....											

1/OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.
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 the District of Columbia.
4/"Other" consists of Australia, New Zealand, and the 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: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.
Sources: See end of Section 3.

Table 3.3 Net Oil Imports Into OECD^{1/} Countries (1989 Average)
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	Total	OECD Europe					OECD Outside Europe				
		Total	United Kingdom	France	West Germany	Italy	Other Europe ^{2/}	United States ^{3/}	Canada	Japan	Other ^{4/}
Total Net Imports...	20.142	7.999	-0.197	1.711	2.112	1.716	2.657	7.202	-0.356	5.035	0.262
Imports from OPEC ^{5/} :	14.707	6.208	.342	.875	.739	1.261	2.990	4.123	.205	3.789	.383
Imports from											
Persian Gulf ^{6/}											
Total.....	9.128	3.755	.240	.647	.216	.619	2.033	1.857	.069	3.173	.273
Bahrain.....	.049	.005	-	.002	-	.001	.002	-.001	-	.042	.003
Iran.....	1.384	1.076	.122	.158	.041	.124	.631	.000	.017	.291	.000
Iraq.....	1.580	.898	.034	.128	.009	.138	.590	.449	.013	.219	.000
Kuwait.....	1.084	.452	.006	.021	.022	.093	.310	.157	-	.458	.017
U.A.E.....	1.306	.214	.006	.040	.02	.085	.059	.027	-	.929	.136
Qatar.....	.281	.024	-	.009	.002	.008	.004	.002	-	.250	.006
Saudi Arabia.....	3.443	1.086	.072	.288	.119	.171	.437	1.224	.039	.984	.111
Imports from											
OPEC-Africa											
Total.....	3.450	2.241	.083	.218	.436	.627	.876	1.134	.065	.016	-.007
Algeria.....	.921	.648	.039	.089	.106	.150	.263	.269	.002	.015	-.012
Gabon.....	.081	.017	-	-	-	.001	.016	.050	-	.002	.013
Libya.....	1.044	1.044	.027	.065	.235	.430	.287	.000	-	-	.000
Nigeria.....	1.404	.532	.017	.064	.095	.045	.310	.815	.064	-	-.007
Imports from											
OPEC-South America											
Total.....	1.321	.213	.019	.012	.086	.014	.082	.948	.070	.011	.079
Ecuador.....	.111	.001	-	-	-	-	.001	.087	.001	-	.022
Venezuela.....	1.211	.212	.019	.012	.086	.014	.080	.861	.070	.011	.057
Imports from											
OPEC-Far East											
Total.....	.858	.004	-	.000	-	.002	.001	.182	-	.631	.040
Indonesia.....	.858	.004	-	.000	-	.002	.001	.182	-	.631	.040

1/OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.
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 the District of Columbia.
4/"Other" consists of Australia, New Zealand, and the 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: o Imports are on a direct basis. o Negative numbers represent net exports. o A dash (-) indicates no trade. o Zeros (.000) indicate net imports of less than 0.0005 million barrels per day.
Sources: See end of Section 3.

Table 3.4 OECD/ Total Net Oil Imports
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
	Average							Qtr3	Qtr4	Avg	Qtr1	Qtr2
Total.....	17.760	16.532	16.962	15.878	17.670	18.008	18.706	20.076	21.042	20.142	21.145	20.111
United States ^{2/}	4.298	4.312	4.715	4.286	5.439	5.914	6.587	7.511	7.127	7.202	7.661	7.648
Canada.....	-.126	-.284	-.308	-.419	-.391	-.358	-.585	-.298	-.351	-.356	-.292	-.413
OECD Europe ^{3/}	8.663	7.761	7.675	7.381	7.893	7.742	7.774	8.001	8.519	7.999	8.101	7.926
Main European Importers												
France.....	1.791	1.667	1.724	1.654	1.682	1.742	1.718	1.667	1.922	1.711	1.757	1.741
Germany.....	2.114	2.087	2.115	2.166	2.380	2.281	2.279	2.275	2.230	2.112	2.044	2.144
Italy.....	1.751	1.579	1.618	1.603	1.642	1.718	1.590	1.627	1.914	1.716	1.906	1.582
Netherlands.....	.557	.532	.532	.515	.632	.562	.646	.658	.630	.635	.588	.711
Spain.....	.964	.954	.855	.802	.747	.803	.869	.964	.895	.952	.871	.979
European Net Exporters												
Norway.....	-.345	-.502	-.578	-.656	-.718	-.866	-1.036	-1.522	-1.441	-1.420	-1.458	-1.491
United Kingdom....	-.600	-.906	-.829	-1.035	-1.067	-1.015	-.760	-.268	-.229	-.197	-.239	-.251
Smaller European Importers												
Austria.....	.172	.167	.176	.174	.188	.194	.185	.197	.209	.192	.174	.201
Belgium.....	.437	.396	.374	.382	.456	.443	.451	.440	.521	.454	.460	.408
Denmark.....	.192	.173	.165	.166	.150	.122	.107	.091	.072	.078	.079	.079
Ireland.....	.091	.084	.081	.078	.098	.081	.076	.073	.088	.079	.083	.109
Finland.....	.206	.212	.177	.207	.229	.242	.200	.282	.259	.220	.121	.196
Greece.....	.207	.197	.197	.210	.245	.230	.242	.257	.244	.252	.316	.273
Iceland.....	.010	.010	.010	.011	.011	.013	.012	.006	.013	.011	.010	.017
Luxembourg.....	.022	.021	.021	.023	.024	.028	.028	.029	.032	.031	.033	.033
Portugal.....	.184	.183	.185	.166	.183	.199	.198	.263	.188	.246	.274	.260
Sweden.....	.394	.365	.300	.349	.379	.309	.313	.284	.330	.290	.359	.309
Switzerland.....	.233	.259	.252	.257	.290	.254	.258	.262	.273	.254	.258	.289
Turkey.....	.282	.304	.302	.310	.342	.402	.397	.415	.370	.384	.466	.336
Japan.....	4.446	4.384	4.531	4.308	4.392	4.418	4.680	4.701	5.394	5.035	5.480	4.793
Other.....	.478	.338	.350	.322	.338	.291	.250	.162	.353	.262	.195	.156

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

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

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

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

Sources: See end of Section 3.

Table 3.5 OECD¹/ Imports From OPEC²/
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990				
	Average														
												Qtr3	Qtr4	Avg	Qtr1
Total.....	13.031	11.388	11.481	10.641	12.524	12.472	13.193	14.818	15.632	14.707	16.120	15.108			
United States/.....	2.136	1.843	2.037	1.820	2.826	3.053	3.501	4.384	4.181	4.123	4.580	4.382			
Canada.....	.200	.152	.137	.128	.158	.155	.162	.231	.185	.205	.196	.152			
OECD Europe4/.....	6.816	5.723	5.548	5.395	6.163	5.628	5.873	6.202	6.728	6.208	6.769	6.328			
Main European Importers															
France.....	1.281	1.009	.961	.884	.948	.684	.737	.840	1.081	.875	.891	.860			
Germany.....	1.007	.868	.807	.787	.831	.679	.761	.746	.769	.739	.767	.750			
Italy.....	1.410	1.214	1.199	1.205	1.362	1.307	1.192	1.252	1.446	1.261	1.373	1.392			
Netherlands.....	.536	.538	.584	.568	.771	.773	.875	.861	.986	.905	.948	.843			
Spain.....	.701	.617	.595	.553	.600	.564	.608	.696	.733	.689	.657	.643			
European Net Exporters															
Norway.....	.013	.007	.006	.005	.008	.002	.002	.004	.000	.003	.006	.004			
United Kingdom.....	.461	.310	.282	.308	.328	.277	.323	.339	.377	.342	.463	.400			
Smaller European Importers															
Austria.....	.080	.062	.081	.087	.090	.087	.082	.097	.126	.089	.055	.075			
Belgium.....	.361	.231	.197	.159	.288	.257	.302	.372	.350	.353	.338	.333			
Denmark.....	.030	.039	.049	.035	.025	.053	.067	.071	.079	.069	.058	.060			
Ireland.....	.004	.001	-	.000	.001	.001	-	-	-	-	-	-			
Finland.....	.034	.025	.020	.037	.021	.023	.011	.025	.014	.013	.005	.013			
Greece.....	.260	.206	.208	.197	.273	.279	.233	.258	.195	.244	.401	.356			
Portugal.....	.135	.134	.116	.113	.120	.101	.118	.167	.107	.156	.187	.169			
Sweden.....	.134	.079	.036	.051	.086	.062	.074	.045	.064	.064	.103	.074			
Switzerland.....	.065	.077	.075	.075	.068	.069	.051	.023	.036	.021	.053	.017			
Turkey.....	.303	.308	.332	.331	.344	.411	.439	.405	.365	.384	.463	.339			
Japan.....	3.388	3.260	3.372	2.985	3.038	3.198	3.309	3.623	4.135	3.789	4.165	3.862			
Other.....	.491	.410	.387	.312	.339	.439	.347	.377	.403	.383	.410	.384			

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

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

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

⁴/OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and West Germany.

Notes: o Imports are on a direct basis. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

Sources: See end of Section 3.

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

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
	Average							Qtr3	Qtr4	Avg	Qtr1	Qtr2
Total.....	8.052	6.515	6.454	5.585	7.228	7.392	7.941	9.152	9.845	9.128	10.112	9.489
United States ^{3/}	.691	.436	.502	.304	.909	1.072	1.526	2.072	1.803	1.857	2.064	1.961
Canada.....	.065	.052	.008	.011	.054	.054	.056	.111	.053	.069	.101	.063
OECD Europe ^{4/}	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.748	4.142	3.755	4.125	3.873
Main European Importers												
France.....	.856	.587	.493	.476	.586	.459	.484	.572	.839	.647	.706	.737
Germany.....	.475	.288	.242	.152	.232	.187	.197	.251	.253	.216	.233	.220
Italy.....	.902	.746	.671	.583	.817	.782	.643	.621	.691	.619	.657	.666
Netherlands.....	.342	.279	.345	.294	.509	.516	.587	.633	.764	.663	.677	.575
Spain.....	.488	.399	.377	.264	.328	.295	.306	.356	.356	.352	.286	.322
European Net Exporters												
Norway.....	.009	.005	.006	.003	.006	.002	.212	.215	.272	.240	.000	.000
United Kingdom.....	.323	.176	.144	.144	.173	.164	.212	.215	.272	.240	.332	.297
Smaller European Importers												
Austria.....	.044	.026	.024	.023	.011	.026	.025	.034	.026	.023	.009	.009
Belgium.....	.235	.104	.094	.088	.182	.162	.224	.289	.289	.277	.280	.263
Denmark.....	.023	.031	.042	.022	.024	.047	.063	.071	.079	.067	.057	.060
Ireland.....	.004	.001	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000
Finland.....	.033	.025	.020	.037	.021	.022	.011	.024	.011	.012	.005	.012
Greece.....	.187	.132	.143	.122	.204	.211	.146	.200	.151	.181	.323	.288
Portugal.....	.107	.097	.081	.076	.088	.069	.066	.083	.057	.085	.099	.101
Sweden.....	.054	.017	.005	.006	.036	.029	.045	.010	.061	.043	.063	.040
Switzerland.....	.020	.013	.012	.006	.008	.008	.007	.012	.005	.007	.001	.009
Turkey.....	.233	.239	.268	.265	.289	.348	.411	.377	.286	.323	.396	.277
Japan.....	2.674	2.638	2.773	2.533	2.557	2.637	2.691	2.943	3.586	3.173	3.541	3.281
Other.....	.268	.225	.204	.176	.195	.299	.241	.279	.262	.273	.282	.311

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

^{2/}The Persian Gulf countries consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

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

^{4/}OECD Europe consists of Austria, Belgium, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and West Germany.

Notes: o Imports are on a direct basis. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

Sources: See end of Section 3.

Table 3.7 United States/---Net Oil Imports
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
	Average							Qtr-3	Qtr-4	Avg	Qtr-1	Qtr-2
Total Net Imports...	4.298	4.312	4.715	4.286	5.439	5.914	6.587	7.511	1.127	7.202	7.661	7.648
Imports from OPEC2/...	2.136	1.843	2.037	1.820	2.826	3.053	3.501	4.384	4.181	4.123	4.580	4.382
Imports from												
Persian Gulf3/												
Total.....	.691	.436	.502	.304	.909	1.072	1.526	2.072	1.803	1.857	2.064	1.961
Bahrain.....	-.001	-.001	-.001	-.001	.001	-.001	.000	-.001	-.001	-.001	-.001	-.002
Iran.....	.035	.048	.010	.027	.019	.098	.000	.000	.000	.000	.000	.000
Iraq.....	.003	.010	.012	.046	.081	.083	.343	.524	.441	.459	.577	.675
Kuwait.....	.005	.014	.036	.021	.068	.082	.092	.318	.148	.157	.164	.070
U.A.E.....	.091	.029	.116	.044	.043	.059	.028	.020	.012	.027	.024	.033
Qatar.....	.007	.000	.005	.000	.013	.000	.000	.008	.000	.002	.000	.014
Saudi Arabia.....	.551	.336	.324	.168	.685	.751	1.063	1.203	1.204	1.224	1.300	1.171
Imports from												
OPEC-Africa												
Total.....	.750	.598	.598	.536	.737	.867	.934	1.269	1.164	1.134	1.328	1.230
Algeria.....	.170	.240	.323	.187	.271	.295	.300	.245	.287	.269	.335	.271
Gabon.....	.041	.059	.058	.052	.026	.037	.016	.054	.078	.050	.085	.039
Libya.....	.026	.000	.001	.004	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.513	.299	.216	.293	.440	.535	.618	.970	.800	.815	.908	.919
Imports from												
OPEC-South												
America												
Total.....	.447	.472	.594	.666	.864	.828	.837	.929	.992	.948	1.011	1.090
Ecuador.....	.037	.052	.050	.064	.076	.027	.046	.094	.078	.087	.052	.047
Venezuela.....	.410	.420	.544	.602	.788	.801	.790	.836	.914	.861	.959	1.042
Imports from												
OPEC-Far East												
Total.....	.247	.335	.342	.313	.317	.284	.205	.112	.220	.182	.175	.100
Indonesia.....	.247	.335	.342	.313	.317	.284	.205	.112	.220	.182	.175	.100

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

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

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

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

Sources: See end of Section 3.

Table 3.8 Japan--Net Oil Imports
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
	Average							Qtr3	Qtr4	Avg	Qtr1	Qtr2
Total Net Imports...	4.446	4.384	4.531	4.308	4.392	4.418	4.680	4.701	5.394	5.035	5.480	4.793
Imports from OPEC1/	3.388	3.260	3.372	2.985	3.038	3.198	3.309	3.623	4.135	3.789	4.165	3.862
Imports from Persian Gulf2/												
Total.....	2.674	2.638	2.773	2.533	2.557	2.637	2.691	2.943	3.586	3.173	3.541	3.281
Bahrain.....	.013	.024	.024	.026	.034	.037	.036	.037	.049	.042	.053	.044
Iran.....	.228	.394	.258	.259	.220	.230	.187	.301	.303	.291	.321	.236
Iraq.....	.070	.010	.015	.063	.164	.105	.173	.218	.233	.219	.258	.202
Kuwait.....	.100	.156	.231	.215	.278	.347	.341	.464	.567	.458	.500	.489
U.A.E.....	.584	.652	.674	.845	.890	.773	.822	.830	1.182	.929	1.140	.845
Qatar.....	.145	.147	.240	.220	.183	.139	.203	.159	.280	.250	.254	.245
Saudi Arabia.....	1.534	1.254	1.330	.904	.789	1.005	.930	.933	.971	.984	1.016	1.220
Imports from OPEC-Africa												
Total.....	.060	.038	.012	.010	.016	.023	.044	.015	.010	.016	.012	.014
Algeria.....	.055	.038	.012	.010	.015	.023	.044	.015	.010	.015	.002	.014
Gabon.....	.002	-	-	-	-	-	-	.000	.000	.002	.010	.000
Libya.....	.003	-	-	.001	.001	-	-	-	-	-	-	-
Imports from OPEC-South America												
Total.....	.027	.023	.017	.016	.013	.012	.011	.005	.010	.011	.007	.006
Ecuador.....	-	-	-	.002	.001	-	-	-	-	-	-	-
Venezuela.....	.027	.023	.017	.014	.012	.012	.011	.005	.010	.011	.007	.006
Imports from OPEC-Far East												
Total.....	.639	.586	.594	.452	.486	.563	.599	.696	.579	.631	.657	.605
Indonesia.....	.639	.586	.594	.452	.486	.563	.599	.696	.579	.631	.657	.605

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

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

Notes: o Imports are on a direct basis. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports. Sources: See end of Section 3.

Table 3.9 OECD Europe¹/--Net Oil Imports
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
	Average							Qtr3	Qtr4	Avg	Qtr1	Qtr2
Total Net Imports...	8.663	7.781	7.675	7.381	7.893	7.742	7.774	8.001	8.519	7.999	8.101	7.926
Imports from OPEC2/:	6.816	5.723	5.548	5.395	6.163	5.628	5.873	6.202	6.728	6.208	6.769	6.328
Imports from												
Persian Gulf3/												
Total.....	4.334	3.165	2.968	2.560	3.513	3.330	3.428	3.748	4.142	3.755	4.125	3.873
Bahrain.....	.004	.005	.019	.004	.002	.001	.009	.004	.011	.005	.007	.017
Iran.....	.845	.859	.841	.648	.511	.732	.850	1.235	1.166	1.076	1.251	1.364
Iraq.....	.424	.388	.516	.673	.717	.905	.959	.889	.905	.898	.908	.805
Kuwait.....	.180	.251	.324	.356	.456	.469	.474	.429	.452	.452	.494	.424
U.A.E.....	.371	.343	.265	.131	.164	.206	.134	.124	.336	.214	.216	.446
Qatar.....	.127	.077	.118	.051	.054	.040	.021	.016	.016	.024	.014	.117
Saudi Arabia.....	2.383	1.241	.884	.698	1.609	.978	.981	1.051	1.256	1.086	1.235	.701
Imports from												
OPEC-Africa												
Total.....	2.179	2.228	2.318	2.524	2.398	2.089	2.230	2.233	2.421	2.241	2.473	2.286
Algeria.....	.644	.578	.574	.659	.615	.627	.646	.605	.677	.648	.657	.675
Gabon.....	.052	.062	.067	.077	.090	.031	.031	.022	.018	.017	.012	.017
Libya.....	.940	.940	.894	.948	.967	.962	1.071	1.071	1.117	1.044	1.220	1.207
Nigeria.....	.543	.647	.783	.841	.727	.469	.481	.534	.608	.532	.585	.386
Imports from4												
CPEC-South												
America												
Total.....	.300	.326	.267	.307	.252	.208	.220	.223	.163	.213	.171	.186
Ecuador.....	.001	.002	-	-	-	-	-	.005	.000	.001	.000	.000
Venezuela.....	.299	.324	.267	.307	.252	.208	.220	.218	.163	.212	.170	.186
Imports from												
CPEC-Far East												
Total.....	.008	.010	.015	.008	.002	.002	.005	.002	.013	.004	.008	.000
Indonesia.....	.008	.010	.015	.008	.002	.002	.005	.002	.013	.004	.008	.000

¹/OECD Europe¹ consists of Austria, Belgium, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and West Germany.

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

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

Notes: o Imports are on a direct basis. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

Sources: See end of Section 3.

Table 3.10 France--Net Oil Imports
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
								Qtr3	Qtr4	Avg	Qtr1	Qtr2
Total Net Imports...	1.791	1.667	1.724	1.654	1.682	1.742	1.718	1.667	1.922	1.711	1.757	1.741
Imports from OPEC1/	1.281	1.009	.961	.884	.948	.684	.737	.840	1.081	.875	.891	.860
Imports from												
Persian Gulf2/												
Total.....	.856	.587	.493	.476	.586	.459	.484	.572	.839	.647	.706	.737
Bahrain.....	.001	.003	.001	-	.001	-	.007	.000	.009	.002	.007	.017
Iran.....	.078	.085	.068	.082	.065	.088	.012	.168	.202	.158	.203	.229
Iraq.....	.030	.041	.072	.138	.109	.151	.143	.110	.104	.128	.138	.113
Kuwait.....	.018	.019	.019	.035	.023	.044	.017	.026	.025	.021	.006	.018
U.A.E.....	.134	.130	.089	.054	.035	-	.017	.000	.145	.040	.016	.249
Qatar.....	.042	.018	.043	.034	.030	.002	.017	.000	.000	.009	.000	.111
Saudi Arabia.....	.554	.291	.200	.134	.324	.175	.271	.268	.354	.288	.336	.000
Imports from												
OPEC-Africa												
Total.....	.397	.394	.451	.387	.344	.212	.249	.255	.231	.218	.186	.130
Algeria.....	.186	.149	.158	.109	.089	.072	.079	.110	.087	.089	.067	.059
Gabon.....	.025	.011	.025	.043	.065	-	-	-	-	-	-	-
Libya.....	.052	.065	.076	.070	.061	.064	.090	.086	.049	.065	.058	.060
Nigeria.....	.133	.169	.192	.165	.129	.076	.079	.059	.096	.064	.062	.011
Imports from												
OPEC-South												
America												
Total.....	.028	.031	.018	.020	.019	.012	.011	.011	.019	.012	.006	.010
Ecuador.....	-	-	-	-	-	-	-	-	-	-	.000	.000
Venezuela.....	.028	.031	.018	.020	.019	.012	.011	.011	.019	.012	.006	.010
Imports from												
OPEC-Far East												
Total.....	.001	-	.000	.002	.000	-	-	.002	.000	.000	-	-
Indonesia.....	.001	-	.000	.002	.000	-	-	.002	.000	.000	-	-

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

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

Notes: o Imports are on a direct basis. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

Sources: See end of Section 3.

Table 3.11 West Germany--Net Oil Imports
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
	Average							Qtr-3	Qtr-4	Avg	Qtr-1	Qtr-2
Total Net Imports...	2.114	2.087	2.115	2.166	2.380	2.281	2.279	2.275	2.230	2.112	2.044	2.144
Imports from OPEC ¹ ...	1.007	.868	.807	.787	.831	.679	.761	.746	.769	.739	.767	.750
Imports from												
Persian Gulf ² /												
Total.....	.475	.288	.242	.152	.232	.187	.197	.251	.253	.216	.233	.220
Bahrain.....	.001	.000	-	.000	-	-	-	-	-	-	-	-
Iran.....	.045	.042	.049	.053	.041	.020	.051	.052	.026	.041	.058	.032
Iraq.....	.016	.030	.041	.008	.016	.052	.032	.013	.010	.009	.005	.011
Kuwait.....	.013	.029	.026	.021	.021	.017	.013	.024	.026	.022	.021	.019
U.A.E.....	.047	.029	.023	.006	.004	.024	.006	.015	.017	.023	.020	.021
Qatar.....	.008	.015	.010	-	-	.001	.001	.000	.007	.002	.004	.006
Saudi Arabia.....	.345	.142	.093	.064	.151	.072	.095	.147	.168	.119	.124	.131
Imports from												
OPEC-Africa												
Total.....	.491	.475	.483	.532	.485	.405	.472	.406	.440	.436	.470	.473
Algeria.....	.119	.104	.086	.130	.137	.146	.141	.081	.103	.106	.131	.105
Gabon.....	.006	.003	.006	.003	.001	.004	-	-	-	-	-	-
Libya.....	.233	.218	.200	.201	.152	.160	.237	.216	.228	.235	.251	.263
Nigeria.....	.133	.150	.191	.197	.195	.095	.095	.109	.109	.095	.088	.106
Imports from												
OPEC-South												
America												
Total.....	.042	.106	.082	.103	.113	.086	.091	.090	.076	.086	.065	.056
Venezuela.....	.042	.106	.082	.103	.113	.086	.091	.090	.076	.086	.065	.056
Imports from												
OPEC-Far East												
Total.....	.000	-	-	.000	.001	.002	-	-	-	-	-	-
Indonesia.....	.000	-	-	.000	.001	.002	-	-	-	-	-	-

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

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

Notes: o Imports are on a direct basis. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

Sources: See end of Section 3.

Table 3.12 Italy--Net Oil Imports
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
								Qtr3	Qtr4	Avg	Qtr1	Qtr2
Total Net Imports...	1.751	1.579	1.618	1.603	1.642	1.718	1.590	1.627	1.914	1.716	1.906	1.582
Imports from OPEC ^{1/}	1.410	1.214	1.199	1.205	1.362	1.307	1.192	1.252	1.446	1.261	1.373	1.392
Imports from Persian Gulf ^{2/}												
Total.....	.902	.746	.671	.583	.817	.782	.643	.621	.691	.619	.657	.666
Bahrain.....	.001	.000	-	.002	.001	.000	-	.000	.002	.001	-	-
Iran.....	.258	.238	.190	.146	.135	.141	.093	.167	.172	.124	.118	.224
Iraq.....	.117	.096	.098	.139	.114	.167	.198	.125	.141	.138	.152	.116
Kuwait.....	.072	.087	.108	.132	.147	.142	.118	.082	.086	.093	.076	.097
U.A.E.....	.036	.067	.053	.024	.051	.109	.060	.067	.084	.085	.110	.081
Qatar.....	.029	.013	.018	.007	.004	.029	.002	.016	.007	.008	-	-
Saudi Arabia.....	.390	.244	.204	.134	.364	.194	.171	.164	.199	.171	.200	.147
Imports from OPEC-Africa												
Total.....	.409	.393	.450	.552	.507	.489	.517	.628	.742	.627	.711	.724
Algeria.....	.117	.062	.067	.110	.087	.109	.108	.136	.200	.150	.146	.165
Gabon.....	.001	.009	.001	.001	.001	-	.001	.004	.000	.001	-	-
Libya.....	.226	.225	.261	.299	.309	.342	.389	.456	.498	.430	.526	.540
Nigeria.....	.066	.097	.121	.142	.110	.038	.019	.032	.044	.045	.039	.018
Imports from OPEC-South America												
Total.....	.097	.075	.076	.072	.039	.037	.029	.002	.007	.014	.005	.003
Ecuador.....	.001	-	-	-	-	-	-	-	-	-	-	-
Venezuela.....	.097	.075	.076	.072	.039	.037	.029	.002	.007	.014	.005	.003
Imports from OPEC-Far East												
Total.....	.002	-	.001	-	-	-	.002	.000	.008	.002	-	-
Indonesia.....	.002	-	.001	-	-	-	.002	.000	.008	.002	-	-

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

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

Notes: o Imports are on a direct basis. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

Sources: See end of Section 3.

Table 3.13 OECD¹/ Imports From Iraq
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
	Average							Qtr3	Qtr4	Avg	Qtr1	Qtr2
Total.....	0.496	0.408	0.542	0.784	0.964	1.103	1.489	1.648	1.609	1.580	1.784	1.693
United States ² /.....	.003	.010	.012	.046	.081	.083	.343	.524	.441	.449	.577	.675
Canada.....	-	-	-	-	-	.010	.001	.013	.027	.013	.022	.907
OECD Europe ³ /.....	.424	.388	.516	.673	.717	.905	.959	.389	.905	.898	.908	.805
Main European Importers												
France.....	.030	.041	.072	.138	.109	.151	.143	.110	.104	.128	.138	.113
Germany.....	.016	.030	.041	.008	.016	.052	.032	.013	.010	.009	.005	.011
Italy.....	.117	.096	.098	.139	.114	.167	.198	.125	.141	.138	.152	.116
Netherlands.....	.007	.003	.021	.022	.067	.034	.039	.068	.211	.101	.015	.112
Spain.....	.059	.042	.071	.123	.117	.080	.092	.108	.112	.109	.096	.094
European Net Exporters												
United Kingdom.....	.021	.013	.008	.041	.071	.082	.070	.034	.015	.034	.008	.058
Smaller European Importers												
Austria.....	.002	-	.006	.007	-	.015	.007	.002	.005	.002	.000	.000
Belgium.....	.008	.033	.038	.019	.026	.049	.037	.040	.030	.047	.045	.040
Denmark.....	-	-	-	.000	-	.001	-	-	-	-	-	-
Greece.....	.028	.027	.060	.038	.030	.065	.059	.062	.053	.052	.103	.061
Portugal.....	.025	.014	.016	.018	.024	.019	.029	.011	.021	.024	.041	.022
Sweden.....	-	-	-	.000	-	.003	.003	.000	.000	.005	-	-
Switzerland.....	-	-	-	-	-	.000	-	.000	.000	.000	-	-
Turkey.....	.111	.090	.086	.121	.143	.188	.250	.318	.201	.250	.303	.179
Japan.....	.070	.010	.015	.063	.164	.105	.173	.218	.233	.219	.258	.202
Other OECD.....	.000	.000	-.001	.001	.002	.000	.013	.003	.003	.000	.019	.004

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

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

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

Notes: o Imports are on a direct basis. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

Sources: See end of Section 3.

Table 3.14 OECD¹/ Imports From Kuwait
(Million Barrels per Day of Crude Oil, Natural Gas Liquids, and Refined Products)

	1982	1983	1984	1985	1986	1987	1988	1989			1990	
	Average							Qtr3	Qtr4	Avg	Qtr1	Qtr2
Total.....	0.309	0.456	0.631	0.624	0.829	0.925	0.936	1.228	1.179	1.084	1.194	0.998
United States ² /.....	.005	.014	.036	.021	.068	.082	.092	.318	.148	.157	.164	.070
Canada.....	.000	.003	-	-	-	-	-	-	-	-	.016	.000
OECD Europe ³ /.....	.180	.251	.324	.356	.456	.469	.474	.429	.452	.452	.494	.424
Main European Importers												
France.....	.018	.019	.019	.035	.023	.044	.017	.026	.025	.021	.006	.018
Germany.....	.013	.029	.026	.021	.021	.017	.013	.024	.026	.022	.021	.019
Italy.....	.072	.087	.108	.132	.147	.142	.118	.082	.086	.093	.076	.097
Netherlands.....	.038	.065	.095	.098	.122	.150	.189	.174	.179	.194	.240	.183
Spain.....	.013	.001	.003	.003	.020	.015	.030	.014	.016	.015	.008	.012
European Net Exporters												
United Kingdom.....	.015	.011	.016	.023	.014	.011	.006	.002	.015	.006	.064	.010
Smaller European Importers												
Austria.....	-	-	-	-	-	-	.004	.004	.000	.002	-	-
Belgium.....	.001	.001	.005	.002	.006	.000	-	-	-	-	.001	.001
Denmark.....	-	.023	.032	.021	.020	.045	.060	.069	.077	.066	.057	.058
Finland.....	-	-	-	.000	-	-	-	-	-	-	-	-
Greece.....	-	-	.009	.005	.038	.030	.015	.012	.002	.009	-	-
Portugal.....	-	-	-	-	-	.001	.003	.002	.004	.003	.002	.006
Sweden.....	-	-	-	.002	-	-	-	.003	.001	.001	.002	.002
Turkey.....	.011	.014	.011	.012	.046	.013	.019	.017	.019	.017	.017	.019
Japan.....	.100	.156	.231	.215	.278	.347	.341	.464	.567	.458	.500	.489
Other OECD.....	.024	.032	.039	.032	.028	.026	.029	.017	.012	.017	.020	.016

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

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

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

Notes: o Imports are on a direct basis. o A dash (-) indicates no trade. o Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

Sources: See end of Section 3.

Sources for Section 3 (International Oil Imports)

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1989 and Petroleum Supply Monthly, September 1990. Other OECD Countries: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances of OECD Countries, various issues.

Appendix A
Organizational and Geographical
Definitions

Appendix A. Organizational and Geographical Definitions

International Energy Agency (IEA) countries are: Australia, Austria, Belgium, Canada, Denmark, West Germany, Greece, Ireland, Italy, Japan, Luxembourg, the Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, the United Kingdom, and the United States. Australia and Portugal joined the IEA as new members in 1979 and 1980, respectively.

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

OECD Europe countries are: Austria, Belgium, Denmark, Finland, France, West 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, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.

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.

Centrally Planned Economies (CPE) or Communist countries are: Albania, Bulgaria, Cambodia, China, Cuba, Czechoslovakia, East Germany, Hungary, Laos, Mongolia, North Korea, Poland, Romania, U.S.S.R., Vietnam, and Yugoslavia.

Market Economies consist of the World excluding Centrally Planned Economies.

Appendix B
Explanatory Notes

Appendix B. Explanatory Notes

Note 1: World Oil Supply

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

Note 2: Oil Stocks

The International Energy Agency (IEA) assembles and reports total oil stock data for the member countries of the Organization for Economic Cooperation and Development (OECD). Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. In its report titled Quarterly Oil Statistics and Energy Balances of OECD Countries, the IEA defines oil stocks as follows: "All non-military stocks held by importers (including all final consumers directly), refiners, Governments, major non-importing final consumers eligible under IEA/OECD commitments and by foreign entities in the following facilities: bulk terminals, refinery tanks, pipeline tankage, barges, intercoastal tankers (when port of departure and destination are in the reporting country), tankers in port (to the extent that their cargo is to be unloaded in the reporting country), and inland ship bunkers. Oil is reported regardless of the ownership of such storage facilities." IEA data exclude oil held in pipelines, rail and truck tank cars, sea-going ships, bunkers, service stations, retail stores and tankers at sea." Also the IEA defines the United States to be the 50 States and the District of Columbia, and the U.S. Territories (Puerto Rico, Guam, and the U.S. Virgin Islands). The Energy Information Administration (EIA) does not include the United States Territories in its statistical definition of the United States. Further, the EIA includes oil in oil pipelines as part of its stock data. Tables 1.5, 1.6, and 2.3 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of June 1990 United States (including territories) oil stocks totaled 1,526 million barrels.

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.

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.

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

Note 1: Net CPE Exports are calculated using total exports minus total imports for the following countries: Albania, Bulgaria, Cambodia, China, Cuba, Czechoslovakia, East Germany, Hungary, Laos, Mongolia, North Korea, Poland, Romania, U.S.S.R., Vietnam, and Yugoslavia. Export and import data are found in the data base for the International Energy Annual.

Note 2: Other Stocks are oil stocks in non-OECD countries not normally published. EIA estimates that these countries maintain average oil stocks equal to approximately 55 days of forward consumption.

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