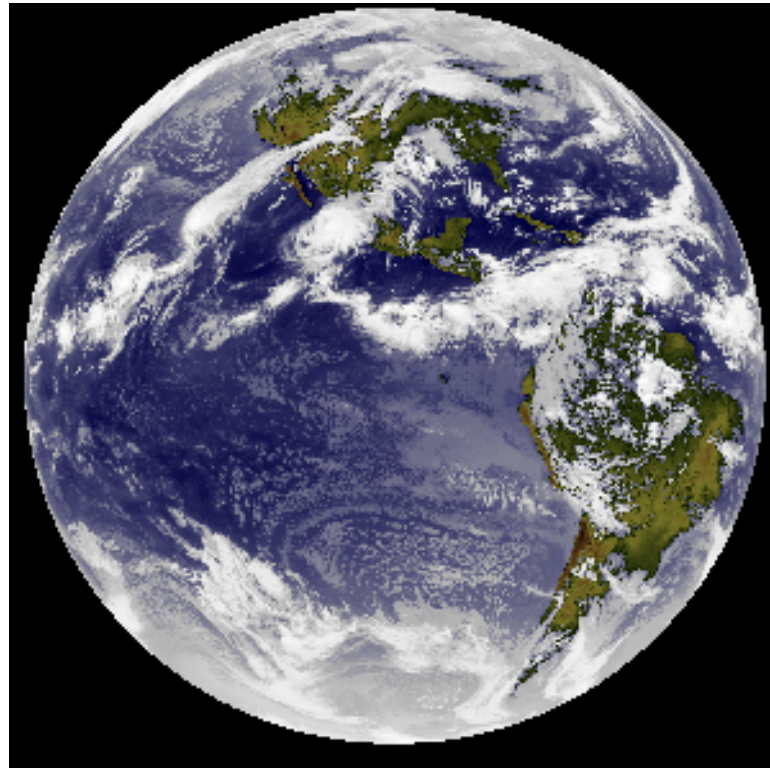


INTERNATIONAL PETROLEUM MONTHLY

March 2002



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Preface

The International Petroleum Monthly 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 Monthly presents data on international oil production, demand, imports, 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 1990 or 1997, 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 and annually for the three years prior to that. 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 2001; OECD stocks from 1973 through 2000; and OECD trade from 1990 through 2000.

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 Energy Statistics Team 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 Louis D. DeMouy, Director, Integrated Energy Statistics Division, (202) 586-8994. Detailed questions and comments concerning the contents of the International Petroleum Monthly may be directed to Patricia A. Smith (202) 586-6925, or Joel Lou (202) 586-1457; Energy Market Chronology - Lowell Feld (202) 586-9502.

Note: Data for the Czech Republic, Hungary, Mexico, Poland, and South Korea have been added to the Organization for Economic Cooperation and Development (OECD) in Figures 3 and 4 and in Tables 1.5 - 1.7, 2.1 - 2.4, 3.1 - 3.6, 3.9, 4.5 - 4.9, 4.12, and 4.16 - 4.18.

Energy Market Chronology - February 2002

The following chronology lists international events that hold significance for world energy markets. Sources include: Associated Press (AP), Dow Jones Business News (DJ), The Los Angeles Times (LAT), The New York Times (NYT), The Oil Daily (OD), Reuters, The Washington Post (WP), The Wall Street Journal (WSJ), and World Markets Online (WMO).

- February 1** An explosion and fire occur at an oil-gathering center near Kuwait's northern Rawdatain oil field, killing four workers and injuring seventeen. As a result, about 600,000 barrels per day of crude oil production go offline. However, Kuwait's Oil Minister, Adel al-Subaih, declares that the use of oil from stockpiles and increased production from other fields will mean that exports will be unaffected in the next two weeks. Some production in the area gradually returns throughout the month as repairs proceed. The Kuwait Petroleum Corporation declares *force majeure* on liquefied petroleum gas (LPG) exports because of damage to the LPG booster station. Oil Minister al-Subaih resigns later in the month, taking responsibility for the incident, though reportedly also in protest of cost cutting and political interference in Kuwait's oil industry. (WSJ, DJ)
- February 4** PetroChina, China's largest oil and natural gas producer, announces that it has reached an agreement with a consortium led by Royal Dutch/Shell, and including Gazprom and Hong Kong & China Gas, to build a 2,600-mile natural gas pipeline from the natural gas-producing Tarim basin in western China to Shanghai on the coast, with deliveries to start in 2004. The cost of the pipeline is expected to be about \$18 billion. Chinese authorities also give Shell the right to discuss investment opportunities in the natural gas pipeline project with ExxonMobil. (Reuters, OD)
- February 6** Saudi Arabia's Crown Prince Abdullah states that Saudi Arabia is facing a "suffocating" economic downturn and that government spending must be cut. The Saudi American Bank (SAMBA) forecasts a 2 percent decline in gross domestic product (GDP) in Saudi Arabia in 2002, due in large part to low world oil prices. (Reuters)
- Nigeria cuts the typical size of its crude oil loadings by 5 percent in order to better comply with its promised OPEC quota cuts. Nigeria has a new OPEC quota of 1.787 million barrels per day, effective from January 1, but output was 2.094 million barrels per day through January 20, according to Nigeria's Department of Petroleum Resources. (Reuters)
- February 7** Turkish government officials state that Turkey aims to import about 80,000 barrels per day of Iraqi Kirkuk crude oil in 2002, an increase over the 50,000 barrels per day imported in 2001. The oil, which is taken into Turkey by truck, is transported by Turkey's foreign trade undersecretariat, for refining by Tupras. The trade is outside of the United Nations oil-for-food program. (Reuters)
- February 8** Colombia's state oil company Ecopetrol announces two substantial discoveries of crude oil, each estimated at over 100 million barrels, in the Piedemonte and Upper Magdalena Valley of Colombia. The new fields are expected to begin full-scale production in 2005. (OD)
- The U.S. Minerals Management Service announces that it has awarded the first four contracts to deliver royalty-in-kind crude oil to the Strategic Petroleum Reserve. The contracts were awarded to ChevronTexaco, Williams, Equiva, and ExxonMobil for about 60,000 barrels per day of royalty oil from federal properties in the Gulf of Mexico. (OD)
- February 9** Venezuelan President Hugo Chavez replaces General Guaicaipuro Lameda with central bank Vice President Gaston Parra as the head of the state-owned Petroleos de Venezuela, S.A. (PdVSA), South America's largest oil company. General Lameda's replacement comes amidst public expression of discontent by several military officers with President Chavez's leftist government. On February 20, the Ministry of Energy and Mines announces the replacement of five of the seven members of the board of directors of PdVSA with new board members more closely aligned with President Chavez. This move sparks daily protests by PdVSA employees. (Reuters, DJ, OD)

- February 11** Oil prices rise to a one-month high as rumors of a very large purchase of Brent crude by Royal Dutch/Shell trading subsidiary Equiva for the U.S. Department of Energy's Strategic Petroleum Reserve (SPR) stoke fears that there could be a supply shortage for Brent crude oil in March. Brent crude oil for March delivery settles \$1.63 per barrel higher, at \$21.35 per barrel. However, oil prices ease somewhat the next day, with Brent falling 32 cents per barrel. As Equiva has the option to deliver the 18.6 million barrels of sweet crude oil to the SPR between April 1, 2002 and May 1, 2003, it is not clear that the company will meet its commitment by taking most of the Brent-for-March-delivery market, though a Shell executive states that the company sees "potential demand for all the Brents in March." (Reuters, OD)
- February 12** A spokesman for Marathon Oil announces that the U.S. State Department has given Marathon, as well as Conoco and Amerada Hess, permission to begin renegotiating dormant oil field contracts with Libya. The approval was issued January 22, 2002. In September 2001, Libya's Foreign Minister announced that U.S. companies would be given one year to resume oil operations in the country before Libya decides whether their licenses should be revoked and given to other firms. Current U.S. sanctions forbid U.S. companies from operating in Libya. (LAT, Reuters)
- February 13** Venezuelan President Hugo Chavez decides to let the Venezuelan bolivar float against the U.S. dollar. The bolivar loses 19 percent of its value on its first day of trading under the new system. The decision comes as part of a package of fiscal and monetary reforms that are aimed at closing a projected government budget deficit. Low world oil prices have reduced projected government revenues for 2002. Oil revenues account for about half of government revenues and about one third of Venezuela's gross domestic product (GDP). (DJ)
- Iraq says that it will not allow United Nations (U.N.) arms inspectors to return to Iraq. Iraqi Vice President Taha Yassin Ramadan states, "There is no need for the spies of the [U.N.] inspection teams to return to Iraq since Iraq is free of weapons of mass destruction." The United States has hinted that actions may be taken against the Iraqi government if U.N. arms inspectors are not allowed to return. (Reuters)
- The government of Argentina announces a 20 percent tax on energy exports. Argentina exports over 300,000 barrels per day of oil, as well as some natural gas, worth about \$2.4 billion and \$637 million, respectively, in 2001. The companies most affected include Repsol-YPF, ChevronTexaco, Perez Companc, and U.S. Pan American Energy. (WSJ, OD)
- El Paso Energy announces that it will build a \$450 million, 380-mile, 500,000-barrel-per-day oil pipeline from the western Gulf of Mexico to Port Arthur and Texas City, Texas. The pipeline is expected to begin functioning in the third quarter of 2004. (OD)
- The Federal Energy Regulatory Commission (FERC) agrees to launch a probe into whether Enron and other energy traders deliberately inflated electricity prices during the California power crisis. FERC has come under pressure from Democratic legislators from the West Coast to undertake such a probe. (OD)
- February 14** The U.S. Nuclear Regulatory Commission announces that it is increasing security at U.S. nuclear facilities, including 104 reactors. The new measures are the result of a review by the Nuclear Regulatory Commission of nuclear plant security that was undertaken in response to the September 11 terrorist attacks. (DJ)
- U.S. President George Bush announces a plan that addresses the issue of "greenhouse gas" emissions, linked by many scientists to global warming. The plan proposes spending on research and new technology, plus tax incentives to promote voluntary (as opposed to mandatory) reductions. The plan links reductions in carbon emissions to U.S. economic output, focusing on emissions intensity per unit of GDP rather than on fixed targets. (WP)
- February 15** U.S. President George Bush authorizes the construction a large, centralized site for the storage of nuclear waste at Yucca Mountain, Nevada, after the Department of Energy recommends its construction. In his letter notifying the U.S. Congress of his decision, Bush states, "Proceeding with the repository program [at Yucca Mountain] is necessary to protect public safety, health, and the nation's security." Nevada Governor Kenny Guinn has indicated that he will oppose the project, so Yucca Mountain will require congressional approval to go forward. The site's selection is also being challenged in court. (WP)

- February 18** ExxonMobil signs an agreement with the government of Papua New Guinea for the construction of a \$3.5 billion sub-sea natural gas pipeline from that country to Queensland, Australia. The other partners in the project include: ChevronTexaco, Oil Search, Orogen Minerals, and Japan PNG Developments, as well as Mineral Resources Development Company, which represents the interests of local landholders. The 1,988-mile pipeline would transport natural gas from the Hides and Kutubu gas fields in the Central Highlands of Papua New Guinea, to a coastal processing facility and then via a section of sub-sea pipeline to northern Australia. The pipeline would supply Australia with around 6 trillion cubic feet of natural gas over a thirty-year period. (WMO)
- February 19** Oman's oil minister states that the non-OPEC oil exporter will continue to abide by its 40,000-barrel-per-day production cut agreement with OPEC until September 2002. (AP)
- February 20** Iranian Oil Minister Bijan Zanganeh asserts that Iran will proceed with oil and natural gas projects in the Caspian Sea, despite a lack of demarcation of sectors among the five littoral states. Zanganeh adds, "[We] will prevent the activities of others in the parts we consider to be ours." (OD)
- Colombian President Andres Pastrana breaks off peace talks with the Revolutionary Armed Forces of Colombia (FARC) guerrillas and orders the Colombian army to re-enter FARC's demilitarized area. President Pastrana takes the action after FARC guerrillas hijack an aircraft carrying 34 people and kidnap Senator Jorge Gechem, president of a Senate peace talks committee. The following day, the Colombian air force bombs FARC targets in the former demilitarized zone, marking an intensification in the conflict in Colombia. (Reuters)
- February 21** Moody's Investors Service puts the long-term debt of AES Corporation on review for a possible downgrade as the energy company's shares drop 11 percent. AES, once the 17th-largest publicly-traded energy company in the world in terms of market value, with 181 electricity generating facilities and 19 million customers, has lost over 90 percent of its stock value in the past 52 weeks, including 36 percent on February 15. On February 6, AES announced plans to sell up to \$1 billion in assets in order to raise cash. Credit analysts are concerned that AES has insufficient cash flow to pay its debt of \$22.3 billion. (WP, DJ)
- The California Public Utilities Commission reaches an accord with the California Department of Water Resources that allows California to sell up to \$11.1 billion in bonds to repay the State's considerable debt from purchasing power during the State's power crisis. The electricity rate agreement assures a revenue flow to the state agency, but requires the agency to attempt to renegotiate long-term contracts that were locked in when rates were higher than they now are. On February 24, State officials announce their intention to ask the Federal Energy Regulatory Commission (FERC) to void over \$40 billion in long-term contracts signed when, according to these officials, the market was being manipulated by sellers. (LAT, WSJ)
- February 22** Angolan rebel leader Jonas Savimbi is killed by government troops, possibly presaging an end to a 30-year conflict that has displaced 4 million people in the country. With most of Angola's 900,000-barrel-per-day oil production located offshore, the fighting had little effect on the petroleum industry, but proceeds from the oil have been diverted to fight the civil war rather than being used for economic development. (DJ)
- February 25** Venezuela declares *force majeure* on some crude oil loadings in order to comply with the OPEC quota cuts begun on January 1. Venezuela had agreed to reduce its quota by 170,000 barrels per day. (Reuters)

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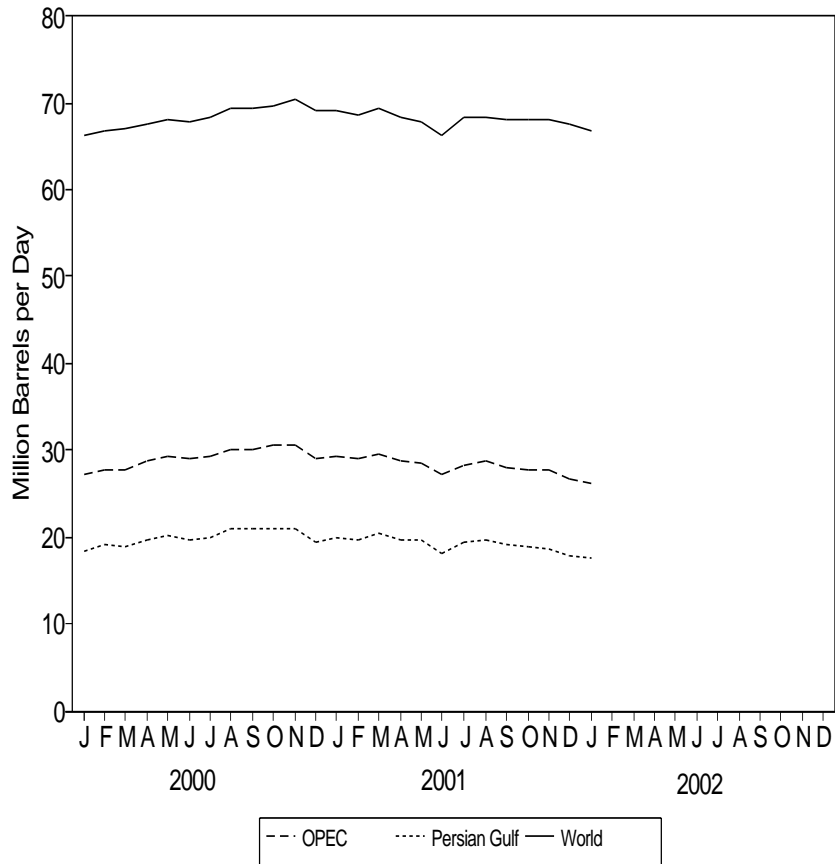
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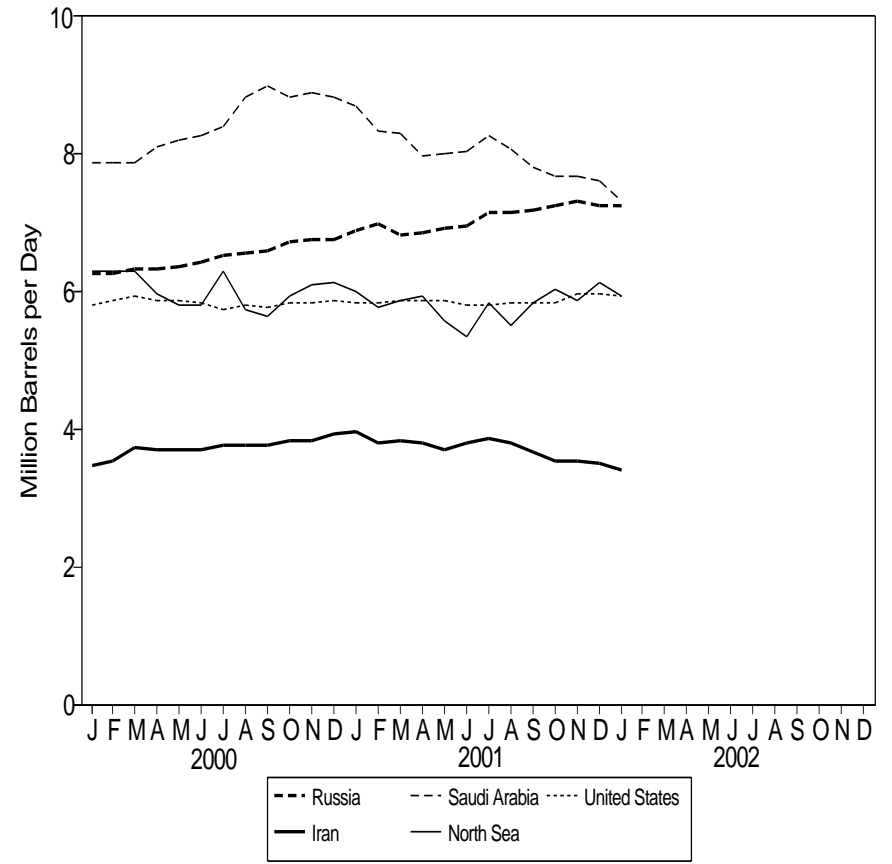
1. Annual and Monthly Oil Data

Figure 1. World Crude Oil Production, Monthly



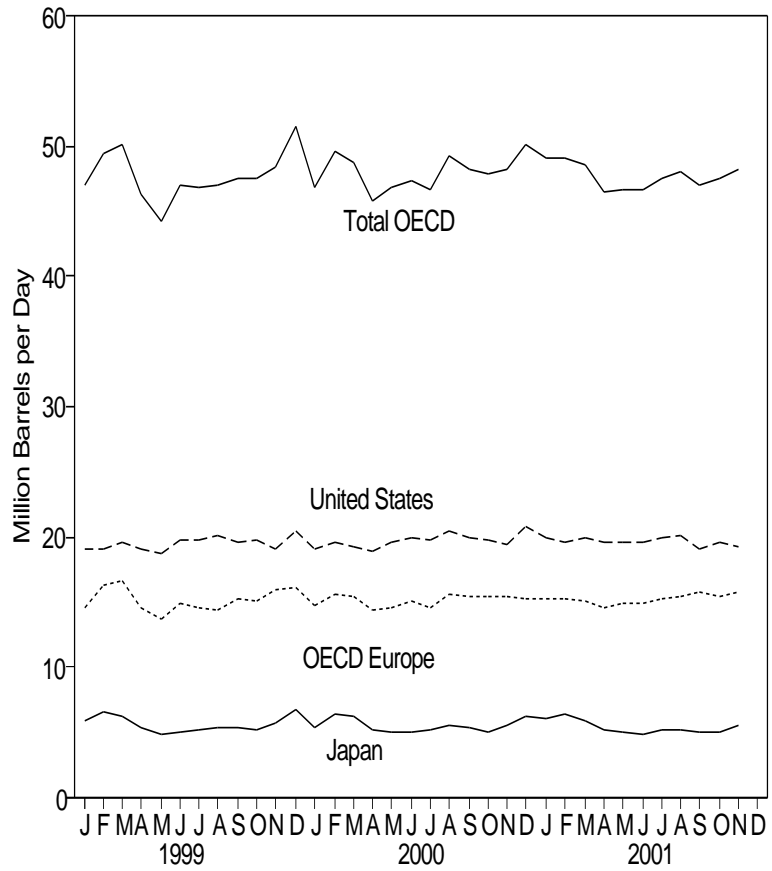
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Figure 2. Leading Crude Oil Producers, Monthly



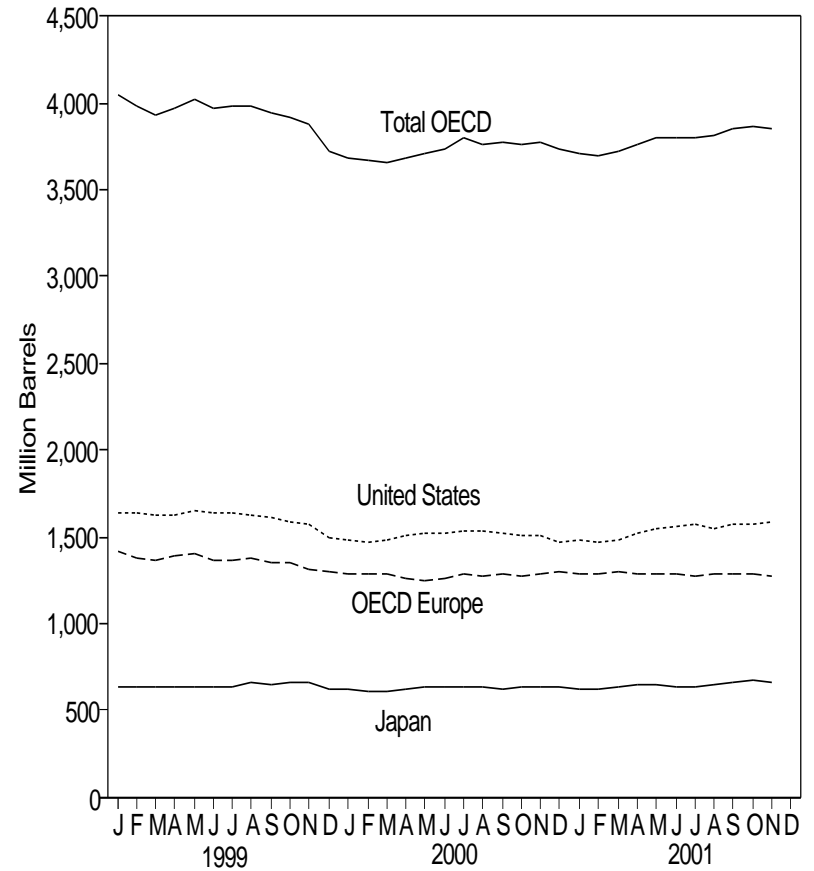
Source: Tables 1.1a-1.1c

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), 1990-Present
(Thousand Barrels per Day)

	Algeria	Indo- nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene- zuela	Total OPEC
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,119
1994 Average.....	1,180	1,510	3,618	553	2,025	1,378	1,931	415	8,120	2,193	2,588	25,510
1995 Average.....	1,202	1,503	3,643	560	2,057	1,390	1,993	442	8,231	2,233	2,750	26,004
1996 Average.....	1,242	1,547	3,686	579	2,062	1,401	2,001	510	8,218	2,278	2,938	26,461
1997 Average.....	1,277	1,520	3,664	1,155	2,007	1,446	2,132	550	8,362	2,316	3,280	27,710
1998 Average.....	1,246	1,518	3,634	2,150	2,085	1,390	2,153	696	8,389	2,345	3,167	28,774
1999 Average.....	1,202	1,472	3,557	2,508	1,898	1,319	2,130	665	7,833	2,169	2,826	27,579
2000 Average.....	1,239	1,466	3,719	2,571	2,126	1,410	2,144	737	8,404	2,348	2,949	29,113
2001 January.....	1,280	1,435	3,935	1,735	2,200	1,450	2,285	775	8,700	2,440	3,100	29,335
February.....	1,250	1,440	3,785	2,195	2,130	1,400	2,255	735	8,320	2,380	3,030	28,920
March.....	1,250	1,395	3,835	2,855	2,100	1,390	2,285	735	8,300	2,420	3,000	29,565
April.....	1,235	1,352	3,785	2,930	2,010	1,380	2,210	715	7,950	2,330	2,920	28,817
May.....	1,250	1,362	3,685	2,905	1,993	1,360	2,140	725	8,000	2,277	2,890	28,587
June.....	1,270	1,382	3,785	1,105	2,030	1,370	2,205	735	8,050	2,260	2,900	27,092
July.....	1,280	1,370	3,875	2,145	2,020	1,380	2,140	735	8,250	2,240	2,890	28,325
August.....	1,280	1,360	3,785	2,875	2,035	1,380	2,207	725	8,070	2,227	2,880	28,824
September.....	1,250	1,350	3,655	2,673	1,970	1,350	2,360	685	7,800	2,150	2,720	27,963
October.....	1,230	1,340	3,535	2,911	1,950	1,320	2,350	685	7,670	2,120	2,750	27,861
November.....	1,240	1,340	3,535	2,805	1,940	1,310	2,350	665	7,670	2,120	2,740	27,715
December.....	1,240	1,310	3,491	2,025	1,940	1,310	2,290	655	7,600	2,120	2,750	26,731
2001 Average.....	1,255	1,369	3,724	2,432	2,026	1,367	2,256	714	8,031	2,256	2,880	28,311
2002 January.....	1,206	1,310	3,385	2,315	1,850	1,260	2,140	625	7,300	2,040	2,630	26,061

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from January 1990 through July 1990 and beginning again 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 January 2002, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 600 thousand barrels per day. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

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), 1990-Present
(Thousand Barrels per Day)

	Norway	United Kingdom	North Sea ^{1/}	Angola	Argentina	Australia	Brazil	Canada	China	Colombia	Ecuador
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.....	2,229	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	536	650	536	671	1,746	2,939	450	365
1995 Average.....	2,768	2,489	5,400	646	715	562	695	1,805	2,990	585	392
1996 Average.....	3,104	2,568	5,822	709	756	570	795	1,837	3,131	623	396
1997 Average.....	3,143	2,518	5,830	714	834	588	841	1,922	3,200	652	388
1998 Average.....	3,017	2,616	5,806	735	847	544	969	1,981	3,198	733	375
1999 Average.....	3,018	2,684	5,958	766	802	539	1,132	1,907	3,195	816	373
2000 Average.....	3,197	2,475	6,013	746	761	722	1,212	1,977	3,249	691	395
2001 January.....	3,325	2,338	5,999	746	767	682	1,322	2,032	3,220	674	420
February.....	3,153	2,279	5,754	749	768	662	1,345	2,052	3,330	613	408
March.....	3,215	2,323	5,858	731	764	673	1,264	2,070	3,376	560	425
April.....	3,279	2,318	5,909	739	775	635	1,273	2,046	3,302	567	425
May.....	3,011	2,262	5,566	733	784	604	1,205	2,027	3,310	565	420
June.....	3,013	2,128	5,333	728	778	644	1,298	1,971	3,312	563	424
July.....	3,349	2,234	5,831	713	776	649	1,345	1,953	3,262	598	406
August.....	2,959	2,211	5,481	701	783	635	1,325	1,954	3,303	668	408
September.....	3,235	2,230	5,827	710	802	612	1,345	2,009	3,288	670	404
October.....	3,343	2,361	6,047	R754	774	613	1,214	2,046	3,313	566	401
November.....	3,208	2,280	5,859	R785	R787	584	1,379	2,082	3,316	550	402
December.....	3,323	R2,418	R6,118	R820	R777	R603	R1,467	R2,110	3,272	634	403
2001 Average.....	3,202	R2,282	R5,800	R742	778	R633	R1,315	R2,029	3,300	602	412
2002 January.....	3,170	2,381	5,932	874	776	643	1,430	2,107	3,311	633	400

^{1/} 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), 1990-Present
(Thousand Barrels per Day)

	Egypt	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ₁ /	World
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253	60,566
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274	60,207
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,229	60,213
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,279	60,236
1994 Average.....	896	329	590	645	2,685	810	6,135	--	560	6,662	3,380	60,991
1995 Average.....	920	365	703	682	2,618	851	5,995	--	575	6,560	3,414	62,335
1996 Average.....	922	368	651	695	2,855	883	5,850	--	582	6,465	3,490	63,711
1997 Average.....	856	370	675	700	3,023	904	5,920	--	561	6,452	3,719	65,690
1998 Average.....	834	352	661	720	3,070	900	5,854	--	553	6,252	3,936	66,921
1999 Average.....	852	340	653	693	2,906	887	6,079	--	538	5,881	4,231	65,870
2000 Average.....	710	330	646	690	3,012	940	6,479	--	523	5,822	4,511	68,200
2001 January.....	669	300	667	650	3,087	965	6,875	--	532	E5,836	4,630	69,072
February.....	659	296	638	650	3,136	965	6,966	--	530	E5,840	4,675	68,634
March.....	655	298	640	650	3,151	980	6,808	--	528	E5,878	4,697	69,251
April.....	652	300	625	650	3,008	956	6,855	--	522	E5,854	4,738	68,336
May.....	596	303	611	650	3,031	983	6,917	--	520	E5,859	4,701	67,678
June.....	627	300	606	670	3,140	972	6,956	--	518	E5,799	4,584	66,122
July.....	630	303	620	665	3,185	973	7,124	--	516	E5,806	4,691	68,123
August.....	634	301	654	665	3,175	957	7,125	--	514	E5,823	4,731	68,350
September...	638	304	662	665	3,177	936	7,189	--	512	E5,829	R4,813	R67,993
October.....	633	302	662	665	2,993	945	7,233	--	509	E5,812	R4,834	R67,833
November....	639	305	666	665	3,168	935	7,306	--	507	E5,946	R4,857	R68,082
December....	641	303	R657	665	3,274	950	7,233	--	505	RE5,948	R4,850	R67,583
2001 Average.....	639	301	R642	659	3,127	960	7,049	--	518	RE5,853	4,734	R68,089
2002 January.....	627	301	656	680	3,253	944	7,242	--	503	PE5,915	4,861	66,768

1/ 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), 1990-Present
(Thousand Barrels per Day)

	Algeria	Indonesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Venezuela	Total OPEC
1990 Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,100	22,461
1991 Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,506
1992 Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,558
1993 Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,304
1994 Average...	750	1,334	3,583	548	2,025	1,378	1,821	380	8,120	2,113	2,542	24,594
1995 Average...	767	1,343	3,608	555	2,057	1,390	1,878	407	8,231	2,148	2,710	25,094
1996 Average...	812	1,367	3,651	574	2,062	1,401	1,885	475	8,218	2,198	2,898	25,541
1997 Average...	847	1,355	3,629	1,150	2,007	1,446	2,017	515	8,362	2,236	3,240	26,804
1998 Average...	816	1,338	3,599	2,145	2,085	1,390	2,043	661	8,389	2,265	3,127	27,858
1999 Average...	772	1,324	3,522	2,503	1,898	1,319	2,020	630	7,833	2,089	2,776	26,686
2000 Average...	809	1,286	3,684	2,566	2,126	1,410	2,034	702	8,404	2,268	2,899	28,188
2001 January...	850	1,255	3,900	1,730	2,200	1,450	2,150	740	8,700	2,360	3,050	28,385
February..	820	1,260	3,750	2,190	2,130	1,400	2,120	700	8,320	2,300	2,980	27,970
March.....	820	1,235	3,800	2,850	2,100	1,390	2,150	700	8,300	2,340	2,950	28,635
April.....	805	1,210	3,750	2,925	2,010	1,380	2,070	680	7,950	2,250	2,870	27,900
May.....	820	1,220	3,650	2,900	1,993	1,360	2,000	690	8,000	2,197	2,840	27,670
June.....	840	1,240	3,750	1,100	2,030	1,370	2,065	700	8,050	2,180	2,850	26,175
July.....	850	1,220	3,840	2,140	2,020	1,380	2,000	700	8,250	2,160	2,840	27,400
August....	850	1,210	3,750	2,870	2,035	1,380	2,067	690	8,070	2,147	2,830	27,899
September.	820	1,200	3,620	2,668	1,970	1,350	2,220	650	7,800	2,070	2,670	27,038
October...	800	1,190	3,500	2,906	1,950	1,320	2,210	650	7,670	2,040	2,700	26,936
November..	810	1,190	3,500	2,800	1,940	1,310	2,210	630	7,670	2,040	2,690	26,790
December..	810	1,160	3,456	2,020	1,940	1,310	2,250	620	7,600	2,040	2,700	25,806
2001 Average...	825	1,216	3,689	2,427	2,026	1,367	2,117	679	8,031	2,176	2,830	27,383
2002 January...	776	1,160	3,350	2,310	1,850	1,260	2,000	590	7,300	1,960	2,580	25,136

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from January 1990 through July 1990 and beginning again 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 January 2002, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 600 thousand barrels per day. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

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, 1990-Present
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Russia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1990 Average.....	130	426	428	620	--	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	--	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	230	--	1,697	1,003	1,185	1,364	4,974
1993 Average.....	145	506	459	704	220	--	1,736	1,040	1,238	1,435	5,180
1994 Average.....	140	529	461	698	200	--	1,727	1,071	1,267	1,465	5,292
1995 Average.....	145	581	447	701	180	--	1,762	1,106	1,301	1,506	5,485
1996 Average.....	150	596	423	697	185	--	1,830	1,082	1,295	1,501	5,576
1997 Average.....	160	636	388	712	195	--	1,817	1,152	1,384	1,589	5,721
1998 Average.....	155	651	424	755	220	--	1,759	1,225	1,449	1,662	5,874
1999 Average.....	190	653	439	666	231	--	1,850	1,152	1,411	1,648	5,984
2000 Average.....	190	699	438	706	232	--	1,911	1,206	1,463	1,706	6,168
2001 January.....	190	680	452	725	246	--	1,381	R1,250	R1,546	1,753	R5,887
February.....	190	749	428	700	247	--	1,728	R1,225	R1,527	1,728	R6,218
March.....	190	740	431	700	244	--	1,830	R1,225	R1,525	1,718	R6,345
April.....	190	713	438	675	233	--	1,836	R1,211	R1,516	1,704	R6,249
May.....	190	674	418	675	230	--	1,921	R1,211	R1,503	1,704	R6,280
June.....	190	697	441	680	226	--	1,910	R1,216	R1,515	1,709	R6,313
July.....	190	657	440	695	230	--	1,892	R1,233	R1,520	1,726	R6,260
August.....	190	700	444	695	233	--	1,946	R1,233	R1,539	1,726	R6,338
September.....	190	700	439	660	233	--	2,027	R1,198	R1,492	1,691	R6,346
October.....	190	735	417	650	236	--	2,016	R1,188	R1,493	1,681	R6,375
November.....	190	R767	404	650	243	--	1,994	R1,188	R1,494	1,681	R6,568
December.....	190	R704	440	650	R244	--	RE1,880	R1,188	R1,496	1,681	R6,408
2001 Average.....	190	R709	433	680	R237	--	RE1,864	R1,214	R1,514	1,708	R6,298
2002 January.....	190	730	442	625	254	--	E2,010	1,163	1,471	1,656	6,520

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia. Excludes fuel ethanol blended into finished motor gasoline.

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

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

See Appendix A for countries in these groups.

-- = Not applicable. 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, 1990-Present
(Thousand Barrels per Day)

	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1990 Average.....	9,677	16,249	17,232	24,536	66,743
1991 Average.....	9,883	15,704	16,747	24,625	66,617
1992 Average.....	9,768	17,010	17,871	25,818	66,941
1993 Average.....	9,602	17,792	18,505	26,610	67,335
1994 Average.....	9,413	18,072	18,745	27,031	68,246
1995 Average.....	9,400	18,351	19,069	27,566	69,868
1996 Average.....	9,445	18,486	19,237	28,018	71,397
1997 Average.....	9,461	19,284	20,067	29,355	73,658
1998 Average.....	9,278	20,599	21,282	30,492	75,124
1999 Average.....	8,993	19,856	20,542	29,283	74,184
2000 Average.....	9,058	21,183	21,672	30,874	76,858
2001 January.....	E8,508	R21,107	R21,470	31,144	R77,338
February.....	E8,889	R20,842	R21,269	30,704	R77,261
March.....	E8,990	R21,542	R21,901	31,339	R77,966
April.....	E8,982	R21,003	R21,383	30,577	R76,965
May.....	E9,130	R20,868	R21,272	30,347	R76,396
June.....	E9,000	R19,253	R19,623	28,857	R74,814
July.....	E9,040	R20,570	R20,859	30,107	R76,813
August.....	E9,009	R21,022	R21,422	30,606	R77,016
September.....	E9,158	R20,203	R20,663	29,710	R76,729
October.....	E9,200	R20,131	R20,664	29,598	R76,668
November.....	E9,297	R19,995	R20,533	29,452	R77,095
December.....	RE9,052	R19,091	R19,675	28,468	R76,303
2001 Average.....	RE9,021	R20,470	R20,895	30,075	R76,781
2002 January.....	PE9,212	18,750	19,339	27,773	75,671

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

^{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 these groups.

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 processing 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	Germany	Italy	United Kingdom	OECD Europe ^{1/}	Canada	Japan	Korea, South	United States ^{2/}	Other ^{3/}	Total OECD ^{4/}
1997 December.....	164	298	147	105	1,306	115	685	88	1,560	122	3,876
1998 December.....	161	321	153	109	1,364	118	649	85	1,647	112	3,975
1999 December.....	163	287	148	105	1,294	109	629	84	1,493	106	3,715
2000											
January.....	166	297	153	105	1,287	108	622	80	1,477	110	3,684
February.....	167	288	149	106	1,281	108	613	79	1,466	113	3,661
March.....	170	285	154	106	1,278	110	606	79	1,476	103	3,652
April.....	171	281	152	104	1,259	112	618	79	1,505	110	3,684
May.....	172	280	148	98	1,247	110	634	80	1,518	112	3,701
June.....	174	278	152	99	1,263	112	632	87	1,526	108	3,728
July.....	171	280	150	106	1,280	117	639	103	1,540	114	3,791
August.....	171	274	153	102	1,272	117	639	87	1,532	106	3,753
September....	173	274	156	99	1,283	117	627	92	1,527	122	3,767
October.....	170	276	160	102	1,277	114	642	97	1,507	115	3,752
November.....	171	272	162	101	1,283	116	645	99	1,505	123	3,772
December.....	174	271	157	103	1,304	112	634	89	1,468	117	3,724
2001											
January.....	168	273	163	100	1,291	113	628	80	1,477	116	3,705
February.....	172	275	159	101	1,292	111	620	86	1,471	118	3,698
March.....	171	270	158	103	1,293	117	636	80	1,477	116	3,718
April.....	171	271	159	102	1,285	116	646	86	1,517	107	3,758
May.....	171	270	156	102	R1,283	119	647	80	1,553	109	3,791
June.....	171	263	149	105	1,280	116	641	83	1,559	113	3,792
July.....	164	262	149	107	R1,274	123	636	90	1,565	112	R3,800
August.....	168	261	156	103	R1,289	122	647	93	1,545	116	R3,813
September....	167	257	152	101	1,284	125	654	92	1,575	122	R3,851
October.....	170	261	151	110	R1,281	125	670	95	1,576	119	R3,866
November.....	165	262	153	111	1,276	125	656	96	1,586	112	3,852

^{1/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

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

^{3/} "Other" consists of Australia, Mexico, New Zealand, and the U.S. Territories.

^{4/} Total OECD includes OECD Europe, Canada, Japan, South Korea, United States, and Other.

R=Revised data.

Notes: •Oil Stocks - See Explanatory Note 2 in Appendix B. •See Table 4.5 for historical series.

Sources: See end of Section 1.

Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries (End of September 2001)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	125	0	125
Mexico.....	51	0	51
United States ^{1/}	1,030	545	1,575
United States Territories.....	21	0	21
Australia/New Zealand.....	50	NA	50
Japan.....	341	313	654
Korea, South.....	92	NA	92
Austria.....	21	0	21
Belgium/Luxembourg.....	30	0	30
Czech Republic.....	16	0	16
Denmark.....	21	0	21
Finland.....	28	0	28
France.....	167	0	167
Germany.....	202	55	257
Greece.....	R28	NA	R28
Hungary.....	17	2	19
Ireland.....	13	0	13
Italy.....	152	0	152
Netherlands.....	104	0	104
Norway.....	30	0	30
Poland.....	27	0	27
Portugal.....	26	0	26
Spain.....	118	0	118
Sweden.....	R35	0	R35
Switzerland.....	38	0	38
Turkey.....	52	0	52
United Kingdom.....	101	0	101
OECD Europe.....	1,227	57	1,284
Total OECD.....	R2,936	915	R3,851

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

NA=Not available. R=Revised data.

Notes: •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, 1997-Present
(Thousand Barrels per Day)

		France	Germany	Italy	United Kingdom	OECD Europe ₁ /	Canada	Japan	Korea, South	United States ₂ /	Other ₃ /	Total OECD ₄ /
1997	Average.....	1,957	2,915	1,908	1,805	15,009	1,923	5,728	2,260	18,620	3,084	46,626
1998	Average.....	2,030	2,921	1,945	1,789	15,335	1,947	5,528	1,930	18,917	3,228	46,885
1999	Average.....	2,027	2,836	1,841	1,739	15,169	2,029	5,587	2,075	19,519	3,313	47,692
2000												
	January.....	2,168	2,408	1,825	1,690	14,688	1,919	5,452	2,364	19,026	3,378	46,825
	February....	2,144	2,722	1,986	1,780	15,633	2,175	6,394	2,401	19,635	3,318	49,555
	March.....	2,125	2,752	1,896	1,876	15,437	1,992	6,254	2,283	19,218	3,468	48,652
	April.....	1,950	2,658	1,775	1,631	14,475	1,885	5,233	2,138	18,816	3,213	45,760
	May.....	1,860	2,693	1,750	1,645	14,672	2,111	4,915	2,093	19,605	3,381	46,776
	June.....	1,969	2,717	1,909	1,677	14,984	2,077	4,930	2,001	20,054	3,308	47,353
	July.....	1,970	2,755	1,812	1,616	14,605	2,022	5,271	1,832	19,696	3,206	46,633
	August.....	1,980	3,073	1,815	1,747	15,581	2,111	5,526	2,034	20,496	3,456	49,204
	September...	1,807	2,995	1,928	1,778	15,400	2,140	5,476	2,037	19,899	3,263	48,214
	October.....	2,257	2,767	1,859	1,773	15,537	2,127	5,047	1,978	19,798	3,303	47,790
	November....	2,041	2,857	1,885	1,813	15,488	2,199	5,616	2,272	19,328	3,351	48,253
	December....	1,976	2,841	1,977	1,626	15,207	2,129	6,246	2,336	20,814	3,324	50,057
	Average.....	2,021	2,770	1,867	1,721	15,140	2,073	5,528	2,146	19,701	3,331	47,920
2001												
	January.....	2,176	2,679	1,836	1,715	R15,234	2,065	6,076	2,441	19,900	3,290	R49,006
	February....	2,110	2,625	1,929	1,710	R15,212	2,095	6,409	2,297	19,597	3,372	R48,981
	March.....	2,019	2,777	1,815	1,810	R15,168	1,948	5,889	2,251	19,892	3,453	R48,599
	April.....	2,021	2,710	1,723	1,719	R14,676	1,861	5,137	1,994	19,591	3,215	R46,475
	May.....	1,905	2,726	1,814	1,681	R14,805	1,982	4,930	1,990	19,491	3,396	R46,594
	June.....	1,974	2,859	1,785	1,681	R14,887	1,963	4,867	2,046	19,608	3,302	R46,673
	July.....	2,057	2,985	1,925	1,664	R15,359	1,975	5,147	1,825	19,884	3,253	R47,443
	August.....	1,996	3,023	1,837	1,696	R15,379	2,122	5,226	1,919	20,085	3,319	R48,050
	September...	2,093	2,894	2,040	1,727	R15,724	1,894	4,979	2,161	19,082	3,094	R46,934
	October.....	2,067	2,907	1,915	1,609	R15,499	2,070	4,955	1,937	19,651	3,317	R47,428
	November....	2,088	2,921	1,918	1,673	15,748	2,101	5,497	2,263	19,252	3,274	48,134

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

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

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

4/ Total OECD includes OECD Europe, Canada, Japan, South Korea, United States, and Other.

R=Revised data.

Notes: •The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition. •See Table 4.6 for historical series. See Appendix B Note 3 for change in demand calculation methodology.

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 2000 and Petroleum Supply Monthly, February 2002.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Energy Intelligence Group, 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, December 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, February 2002.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Monthly Oil Statistics data base, 1997-2001.

Oil Demand

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, February 2002.

Other OECD Countries: • OECD, Monthly Oil Statistics data base, 1997-2001.

2. International Oil Balance Data

Table 2.1 World Oil Balance, 1997-2001
(Million Barrels Per Day)

	1997	1998	1999	2000				2001					
	Annual		1999	Quarter				Annual		Quarter		Annual	
	Average			First	Second	Third	Fourth	Average		First	Second	Third	Fourth	Average
Supply^{1/}													
OECD													
United States ^{2/}	9.46	9.28	8.99	9.13	9.12	9.02	8.96	9.06	8.79	9.04	9.07	9.18	9.02
Other OECD.....	13.97	14.04	13.88	14.61	14.16	14.21	14.39	14.34	14.46	13.99	14.12	14.59	14.29
Total OECD.....	23.44	23.32	22.87	23.74	23.28	23.23	23.35	23.40	23.25	23.02	23.19	23.77	23.31
Non-OECD													
OPEC.....	29.35	30.49	29.28	29.34	30.75	31.65	31.73	30.87	31.07	29.93	30.15	29.17	30.08
Former USSR.....	7.22	7.26	7.65	7.89	7.97	8.19	8.46	8.13	8.64	8.68	8.93	9.10	8.84
Other Non-OECD.....	13.65	14.06	14.38	14.31	14.36	14.48	14.68	14.46	14.57	14.42	14.58	14.64	14.55
Total Non-OECD.....	50.22	51.80	51.31	51.54	53.08	54.32	54.87	53.46	54.28	53.04	53.66	52.91	53.47
Total World Supply.....	73.66	75.12	74.18	75.28	76.37	77.54	78.22	76.86	77.53	76.06	76.85	76.68	76.78
Demand^{3/}													
OECD													
United States ^{2/}	18.62	18.92	19.52	19.29	19.49	20.03	19.99	19.70	19.80	19.56	19.69	NA	NA
Other OECD.....	28.01	27.97	28.17	29.03	27.14	27.98	28.72	28.22	29.06	27.02	27.79	NA	NA
Total OECD.....	46.63	46.88	47.69	48.32	46.63	48.01	48.70	47.92	48.86	46.58	47.48	NA	NA
Non-OECD													
China.....	3.92	4.11	4.32	4.83	4.78	4.73	4.78	4.78	4.92	4.87	4.81	NA	NA
Former USSR.....	3.87	3.78	3.72	3.70	3.55	3.55	3.55	3.59	3.67	3.52	3.51	NA	NA
Other Non-OECD.....	18.44	18.83	19.24	19.22	19.50	19.39	19.58	19.42	19.50	19.73	19.52	NA	NA
Total Non-OECD.....	26.23	26.72	27.29	27.75	27.83	27.67	27.91	27.79	28.09	28.12	27.84	NA	NA
Total World Demand.....	72.85	73.60	74.98	76.07	74.47	75.69	76.62	75.71	76.94	74.70	75.32	NA	NA
Stock Draws / Discrepancy													
Net Reported Stock Draws^{4/}													
U. S. Commercial.....	-.15	-.22	.41	.20	-.55	.00	.33	.00	-.10	-.88	-.16	NA	NA
U. S. Strategic.....	.01	-.02	.01	-.02	.00	-.01	.32	.07	-.01	-.01	-.02	NA	NA
Other OECD.....	-.16	-.03	.29	.51	-.29	-.41	-.18	-.09	.18	.07	-.47	NA	NA
For Export & Afloat.....	-.12	-.01	.15	-.44	-.49	-.43	.27	-.23	-.28	.66	-.33	NA	NA
Commr. Floating Storage...	.00	-.08	-.07	.03	.20	.09	.04	.09	.00	.01	-.01	NA	NA
Total Reported Draws.....	-.42	-.37	.79	.29	-1.14	-.77	.78	-.17	-.21	-.15	-.98	NA	NA
Other Stock Draws and Statistical Discrepancy ^{5/}	-.38	-1.15	.01	.50	-.77	-1.09	-2.39	-.98	-.38	-1.21	-.55	NA	NA

^{1/} Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery processing gain, alcohol, and liquids produced from coal and other sources. See Explanatory Note 1 in Appendix B.

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

^{3/} The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition. See Appendix B Note 3 for change in demand calculation methodology.

^{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.

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

Sources: See end of Section 2.

Table 2.2 World Oil Supply, 1997-2001
(Million Barrels Per Day)

	1997	1998	1999	2000				2001						
	Annual			Quarter				Annual		Quarter				Annual
	Average			First	Second	Third	Fourth	Average		First	Second	Third	Fourth	Average
OECD														
United States ¹ /...	9.46	9.28	8.99	9.13	9.12	9.02	8.96	9.06	8.79	9.04	9.07	9.18	9.02	
Canada.....	2.62	2.69	2.62	2.71	2.71	2.74	2.80	2.74	2.84	2.77	2.72	2.88	2.80	
Mexico.....	3.44	3.52	3.37	3.45	3.51	3.54	3.41	3.48	3.59	3.52	3.65	3.59	3.59	
North Sea ² /.....	6.20	6.18	6.32	6.66	6.18	6.18	6.45	6.37	6.35	6.06	6.14	6.52	6.27	
Other OECD.....	1.71	1.65	1.57	1.78	1.76	1.75	1.74	1.76	1.68	1.63	1.62	1.60	1.63	
Total OECD.....	23.44	23.32	22.87	23.74	23.28	23.23	23.35	23.40	23.25	23.02	23.19	23.77	23.31	
Non-OECD														
OPEC														
Crude														
Algeria.....	1.28	1.25	1.20	1.19	1.24	1.25	1.27	1.24	1.26	1.25	1.27	1.24	1.25	
Indonesia.....	1.52	1.52	1.47	1.44	1.48	1.49	1.46	1.47	1.42	1.37	1.36	1.33	1.37	
Iran.....	3.66	3.63	3.56	3.58	3.69	3.75	3.86	3.72	3.85	3.75	3.77	3.52	3.72	
Iraq.....	1.15	2.15	2.51	2.34	2.76	2.80	2.39	2.57	2.26	2.32	2.56	2.58	2.43	
Kuwait.....	2.01	2.09	1.90	2.01	2.12	2.17	2.21	2.13	2.14	2.01	2.01	1.94	2.03	
Libya.....	1.45	1.39	1.32	1.37	1.41	1.42	1.44	1.41	1.41	1.37	1.37	1.31	1.37	
Nigeria.....	2.13	2.15	2.13	2.05	2.13	2.15	2.24	2.14	2.28	2.18	2.23	2.33	2.26	
Qatar.....	.55	.70	.66	.70	.73	.75	.76	.74	.75	.72	.72	.67	.71	
Saudi Arabia..	8.36	8.39	7.83	7.86	8.18	8.73	8.83	8.40	8.44	8.00	8.04	7.65	8.03	
United Arab														
Emirates...	2.32	2.35	2.17	2.27	2.35	2.36	2.41	2.35	2.41	2.29	2.21	2.12	2.26	
Venezuela.....	3.28	3.17	2.83	2.83	2.93	2.98	3.06	2.95	3.04	2.90	2.83	2.75	2.88	
Natural Gas														
Plant Liquids	1.59	1.66	1.65	1.66	1.69	1.73	1.74	1.71	1.73	1.71	1.71	1.68	1.71	
Processing Gain.	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	
Total OPEC.....	29.35	30.49	29.28	29.34	30.75	31.65	31.73	30.87	31.07	29.93	30.15	29.17	30.08	
Former USSR.....	7.22	7.26	7.65	7.89	7.97	8.19	8.46	8.13	8.64	8.68	8.93	9.10	8.84	
China.....	3.20	3.20	3.19	3.27	3.28	3.24	3.21	3.25	3.31	3.31	3.28	3.30	3.30	
Other Non-OECD....	10.45	10.86	11.18	11.04	11.08	11.25	11.47	11.21	11.26	11.11	11.30	11.34	11.25	
Total Non-OECD....	50.22	51.80	51.31	51.54	53.08	54.32	54.87	53.46	54.28	53.04	53.66	52.91	53.47	
Total Supply.....	73.66	75.12	74.18	75.28	76.37	77.54	78.22	76.86	77.53	76.06	76.85	76.68	76.78	

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 refinery processing gain (except for individual OPEC countries). For OPEC, natural gas plant liquids production and refinery processing gain are shown as separate lines. •Sum of components may not equal total due to rounding.

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

Sources: See end of Section 2.

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

	1997	1998	1999	2000				2001			
		Year End		Quarter				Quarter			
				First	Second	Third	Fourth	First	Second	Third	Fourth
OECD											
United States ^{1/}											
Commercial.....	997	1,076	926	907	957	957	927	935	1,016	1,030	NA
Strategic.....	563	571	567	569	569	570	541	542	543	545	NA
U. S. Territories.....	23	22	20	19	20	20	19	18	19	21	NA
Canada.....	115	118	109	110	112	117	112	117	116	125	NA
Mexico.....	48	46	37	37	38	47	48	46	41	51	NA
Australia & New Zealand	51	44	48	46	50	54	51	51	53	50	NA
Japan.....	685	649	629	606	632	627	634	636	641	654	NA
Korea, South.....	88	85	84	79	87	92	89	80	83	92	NA
OECD Europe											
France.....	164	161	163	170	174	173	174	171	171	167	NA
Germany.....	298	321	287	285	278	274	271	270	263	257	NA
Italy.....	147	153	148	154	152	156	157	158	149	152	NA
United Kingdom.....	105	109	105	106	99	99	103	103	105	101	NA
Other OECD Europe....	593	620	591	562	560	581	598	591	592	606	NA
Total.....	1,306	1,364	1,294	1,278	1,263	1,283	1,304	1,293	1,280	1,284	NA
Total OECD.....	3,876	3,975	3,715	3,652	3,728	3,767	3,724	3,718	3,792	3,851	NA
Stocks for Export and Afloat ^{2/}											
Commercial Floating ^{3/}	70	100	126	123	105	97	93	93	92	93	NA

^{1/} 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.

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

^{3/} Stocks stored by industry in tankers moored offshore. Excludes strategic storage.

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

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

Sources: See end of Section 2.

Table 2.4 World Oil Demand, 1997-2001
(Million Barrels Per Day)

	1997	1998	1999	2000				2001					
	Annual Average	Annual Average	Annual Average	Quarter				Annual Average	Quarter				Annual Average
				First	Second	Third	Fourth		First	Second	Third	Fourth	
OECD													
United States ¹ /.....	18.62	18.92	19.52	19.29	19.49	20.03	19.99	19.70	19.80	19.56	19.69	NA	NA
U. S. Territories.....	.27	.31	.32	.37	.28	.32	.37	.34	.38	.37	.29	NA	NA
Canada.....	1.92	1.95	2.03	2.03	2.03	2.09	2.15	2.07	2.03	1.94	2.00	NA	NA
Mexico.....	1.85	1.95	2.00	2.01	2.00	2.00	1.95	1.99	1.97	1.90	1.94	NA	NA
Australia & New Zealand	.96	.97	.99	1.01	1.02	.98	1.00	1.00	1.02	1.03	1.00	NA	NA
Japan.....	5.73	5.53	5.59	6.03	5.02	5.42	5.64	5.53	6.11	4.98	5.12	NA	NA
Korea, South.....	2.26	1.93	2.07	2.35	2.08	1.97	2.19	2.15	2.33	2.01	1.97	NA	NA
OECD Europe²/													
France.....	1.96	2.03	2.03	2.15	1.93	1.92	2.09	2.02	2.10	1.97	2.05	NA	NA
Germany ³ /.....	2.91	2.92	2.84	2.63	2.69	2.94	2.82	2.77	2.70	2.76	2.97	NA	NA
Italy.....	1.91	1.95	1.84	1.90	1.81	1.85	1.91	1.87	1.86	1.77	1.93	NA	NA
United Kingdom.....	1.80	1.79	1.74	1.78	1.65	1.71	1.74	1.72	1.75	1.69	1.70	NA	NA
Other OECD Europe....	6.42	6.65	6.72	6.79	6.63	6.77	6.85	6.76	6.80	6.59	6.84	NA	NA
Total OECD Europe....	15.01	15.34	15.17	15.24	14.71	15.19	15.41	15.14	15.20	14.79	15.48	NA	NA
Total OECD.....	46.63	46.88	47.69	48.32	46.63	48.01	48.70	47.92	48.86	46.58	47.48	NA	NA
Non-OECD													
Former USSR.....	3.87	3.78	3.72	3.70	3.55	3.55	3.55	3.59	3.67	3.52	3.51	NA	NA
Non-OECD Europe.....	.75	.72	.72	.73	.73	.73	.73	.73	.75	.74	.74	NA	NA
China.....	3.92	4.11	4.32	4.83	4.78	4.73	4.78	4.78	4.92	4.87	4.81	NA	NA
Other Asia.....	6.63	6.74	6.93	6.86	6.91	6.74	7.01	6.88	6.96	6.96	6.72	NA	NA
Other Non-OECD.....	11.07	11.38	11.60	11.63	11.86	11.92	11.84	11.81	11.79	12.02	12.06	NA	NA
Total Non-OECD.....	26.23	26.72	27.29	27.75	27.83	27.67	27.91	27.79	28.09	28.12	27.84	NA	NA
Total World Demand.....	72.85	73.60	74.98	76.07	74.47	75.69	76.62	75.71	76.94	74.70	75.32	NA	NA

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

²/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, 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: *Oil demand includes bunkers and refinery fuel. The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix B Note 3 for change in demand calculation methodology. *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 2000 and Petroleum Supply Monthly, February 2002.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Energy Intelligence Group, 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, December 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, February 2002.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Monthly Oil Statistics data base, 1996-2001. 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 2000 and Petroleum Supply Monthly, February 2002.

Other OECD Countries: • OECD, Monthly Oil Statistics data base, 1997-2001.

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, (2000 Average)
(Million Barrels per Day)

	Total	OECD Europe					OECD Outside Europe					
		Total	France	Germany ^{1/}	Italy	United Kingdom	Other Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}
Total Net Imports..	23.993	7.813	1.868	2.561	1.744	-1.068	2.709	-0.839	5.486	2.224	10.419	-1.111
Imports from OPEC ^{5/}	18.774	5.936	.883	.595	1.288	.161	3.009	.310	4.438	2.224	5.182	.684
Imports from Persian Gulf ^{6/}												
Total.....	12.259	3.240	.601	.129	.578	.086	1.845	.108	4.124	2.053	2.483	.250
Bahrain.....	.029	.002	.000	-	.000	.001	.001	.000	.011	.016	-.001	.002
Iran.....	1.539	.791	.102	.018	.208	.000	.464	.000	.498	.247	.000	.002
Iraq.....	1.582	.744	.148	.004	.168	-	.424	.047	.072	.049	.620	.049
Kuwait.....	1.331	.259	.029	.013	.031	.016	.170	.000	.536	.260	.272	.005
U.A.E.....	1.837	.028	.007	.000	.000	.015	.005	.000	1.305	.442	.012	.050
Qatar.....	.610	.003	.002	-	-	-	.001	-	.444	.150	.009	.005
Saudi Arabia.....	5.330	1.413	.314	.093	.171	.054	.781	.061	1.258	.890	1.571	.137
Imports from OPEC-Africa												
Total.....	3.886	2.506	.277	.431	.697	.052	1.049	.099	.017	.034	1.121	.108
Algeria.....	1.156	.817	.123	.147	.129	.019	.400	.068	.002	.006	.225	.037
Libya.....	1.210	1.210	.060	.244	.546	.033	.328	-	-	.000	.000	.000
Nigeria.....	1.520	.479	.094	.040	.023	.001	.322	.030	.015	.028	.896	.071
Imports from OPEC-South America												
Total.....	2.104	.190	.004	.035	.011	.024	.115	.104	.012	.000	1.530	.269
Venezuela.....	2.104	.190	.004	.035	.011	.024	.115	.104	.012	.000	1.530	.269
Imports from OPEC-Far East												
Total.....	.555	.003	.001	.000	.001	.000	.001	-	.294	.152	.047	.058
Indonesia.....	.555	.003	.001	.000	.001	.000	.001	-	.294	.152	.047	.058

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, Czech Republic, Denmark, Finland, Greece, Hungary, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and Turkey.

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

4/ "Other" consists of Australia, Mexico, 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 3.2 Net Oil Imports into OECD Countries, (3rd Quarter 2001)
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe				
		Total	France	Germany ^{1/}	Italy	United Kingdom	Other Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}
Total Net Imports..	24.378	8.465	1.857	2.753	1.789	-0.767	2.833	-0.732	5.155	2.080	10.526	-1.117
Imports from OPEC ^{5/}	18.054	5.486	.890	.440	1.104	.235	2.816	.360	4.177	1.996	5.386	.649
Imports from Persian Gulf ^{6/}												
Total.....	11.699	2.822	.555	.112	.497	.120	1.537	.173	3.815	1.820	2.796	.274
Bahrain.....	.044	.017	.004	-	.002	.005	.007	.000	.018	.008	-.001	.001
Iran.....	1.535	.764	.101	.011	.221	.004	.427	.000	.571	.193	.000	.006
Iraq.....	1.383	.408	.110	.000	.063	-	.235	.085	.000	.000	.813	.076
Kuwait.....	1.278	.238	.055	.002	.020	.024	.136	.005	.469	.300	.262	.004
U.A.E.....	1.761	.051	.021	.000	.000	.029	.001	.000	1.133	.453	.037	.088
Qatar.....	.604	.000	.000	-	-	-	.000	-	.486	.084	.012	.022
Saudi Arabia.....	5.095	1.343	.264	.099	.191	.059	.730	.082	1.137	.782	1.673	.077
Imports from OPEC-Africa												
Total.....	3.697	2.441	.337	.293	.601	.091	1.119	.077	.043	.023	1.067	.046
Algeria.....	1.160	.829	.170	.083	.100	.042	.434	.068	.023	.020	.211	.009
Libya.....	1.133	1.133	.084	.163	.480	.040	.366	-	-	.000	.000	.000
Nigeria.....	1.404	.479	.083	.047	.021	.008	.319	.009	.021	.003	.856	.037
Imports from OPEC-South America												
Total.....	2.093	.238	.001	.035	.008	.029	.164	.110	.020	.003	1.492	.230
Venezuela.....	2.093	.238	.001	.035	.008	.029	.164	.110	.020	.003	1.492	.230
Imports from OPEC-Far East												
Total.....	.608	.003	.001	.000	.000	.000	.002	-	.317	.158	.031	.099
Indonesia.....	.608	.003	.001	.000	.000	.000	.002	-	.317	.158	.031	.099

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, Czech Republic, Denmark, Finland, Greece, Hungary, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and Turkey.

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

4/ "Other" consists of Australia, Mexico, 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, (2nd Quarter 2001)
(Million Barrels per Day)

	Total	OECD Europe						OECD Outside Europe				
		Total	France	Germany ^{1/}	Italy	United Kingdom	Other Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}
Total Net Imports..	23.747	7.613	1.806	2.532	1.543	-0.807	2.540	-0.894	5.032	2.073	10.999	-1.076
Imports from OPEC ^{5/}	18.174	5.119	.754	.503	1.062	.181	2.620	.356	4.062	2.189	5.799	.650
Imports from Persian Gulf ^{6/}												
Total.....	11.738	2.659	.470	.088	.439	.129	1.533	.119	3.790	1.971	2.919	.279
Bahrain.....	.038	.015	.000	-	.000	.004	.010	.000	.013	.008	-.001	.003
Iran.....	1.457	.656	.063	.006	.196	.000	.392	.000	.538	.262	.000	.000
Iraq.....	1.541	.507	.100	.000	.062	-	.346	.073	.000	.023	.860	.078
Kuwait.....	1.163	.161	.029	.005	.010	.019	.097	.000	.500	.246	.249	.007
U.A.E.....	1.742	.080	.027	.000	.000	.053	.000	.000	1.123	.446	.052	.040
Qatar.....	.644	.000	.000	-	-	-	.000	-	.428	.163	.024	.028
Saudi Arabia.....	5.153	1.240	.251	.077	.171	.053	.687	.046	1.189	.822	1.735	.123
Imports from OPEC-Africa												
Total.....	3.757	2.278	.282	.382	.610	.034	.970	.103	.003	.040	1.269	.064
Algeria.....	1.087	.648	.115	.099	.099	.018	.316	.087	.003	.012	.324	.013
Libya.....	1.214	1.214	.076	.217	.504	.016	.401	-	-	.000	.000	.000
Nigeria.....	1.456	.416	.090	.066	.007	.000	.253	.015	.000	.029	.945	.051
Imports from OPEC-South America												
Total.....	2.110	.190	.001	.033	.012	.022	.122	.135	.020	.000	1.547	.218
Venezuela.....	2.110	.190	.001	.033	.012	.022	.122	.135	.020	.000	1.547	.218
Imports from OPEC-Far East												
Total.....	.608	.006	.001	.000	.000	.000	.005	-	.261	.185	.064	.092
Indonesia.....	.608	.006	.001	.000	.000	.000	.005	-	.261	.185	.064	.092

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, Czech Republic, Denmark, Finland, Greece, Hungary, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and Turkey.

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

4/ "Other" consists of Australia, Mexico, 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)

	2000					2001						
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total.....	24.825	24.531	24.989	25.415	23.849	24.022	23.360	23.367	25.021	24.760	23.789	24.141
United States ¹ /....	10.958	11.154	10.447	10.996	11.361	11.130	10.501	10.690	10.234	10.659	10.191	10.410
Canada.....	-.963	-.816	-.969	-.737	-.966	-.752	-.968	-.696	-.748	-.751	-.887	-.739
Mexico.....	-1.516	-1.427	-1.514	-1.548	-1.413	-1.549	-1.519	-1.510	-1.352	-1.495	-1.541	-1.570
OECD Europe ² /.....	8.499	7.129	8.095	7.881	6.873	7.708	8.253	7.870	8.986	8.542	8.335	8.474
Main European Importers												
France.....	1.900	1.799	1.953	1.786	1.685	1.771	1.962	1.725	2.069	1.773	2.156	1.866
Germany ³ /.....	2.631	2.640	2.627	2.351	2.589	2.553	2.453	2.822	2.837	2.596	2.852	2.849
Italy.....	1.792	1.869	1.599	1.640	1.657	1.556	1.414	1.715	1.841	1.813	1.743	1.804
Spain.....	1.496	1.458	1.414	1.447	1.361	1.391	1.390	1.471	1.522	1.391	1.503	1.448
Netherlands.....	1.064	.960	.784	1.021	.648	.812	.916	.971	1.067	.653	.651	.868
European Net Exporters												
Norway.....	-3.198	-3.909	-3.133	-3.422	-3.519	-3.115	-2.739	-3.860	-3.212	-2.756	-3.787	-3.027
United Kingdom....	-1.114	-.930	-.702	-.745	-.973	-.850	-.598	-.774	-.714	-.815	-.708	-.959
Smaller European Importers												
Austria.....	.196	.196	.223	.206	.236	.249	.221	.240	.250	.274	.251	.191
Belgium.....	.690	.722	.605	.600	.583	.644	.476	.599	.530	.613	.564	.523
Czech Republic....	.176	.170	.143	.176	.178	.132	.200	.169	.157	.149	.177	.158
Denmark.....	-.207	-.172	-.172	-.136	-.147	-.127	-.022	-.048	-.150	-.162	-.171	-.192
Ireland.....	.132	.141	.132	.192	.118	.146	.118	.152	.118	.192	.170	.123
Finland.....	.259	.091	.183	.297	.143	.221	.208	.239	.235	.197	.271	.263
Greece.....	.371	.382	.430	.428	.315	.336	.257	.411	.387	.433	.407	.397
Hungary.....	.116	.084	.087	.072	.076	.097	.084	.071	.081	.098	.104	.114
Iceland.....	.015	.010	.011	.028	.012	.015	.019	.027	.014	.023	.018	.020
Luxembourg.....	.052	.047	.051	.052	.052	.051	.049	.053	.044	.048	.048	.053
Poland.....	.467	.341	.303	.328	.318	.322	.410	.371	.349	.407	.389	.400
Portugal.....	.349	.230	.316	.284	.331	.367	.360	.325	.333	.356	.369	.339
Sweden.....	.320	.271	.288	.469	.437	.314	.310	.290	.368	.373	.311	.314
Switzerland.....	.257	.291	.298	.243	.288	.284	.235	.287	.262	.278	.297	.288
Turkey.....	.736	.437	.653	.562	.485	.537	.527	.614	.597	.611	.722	.637
Japan.....	5.618	5.957	6.081	6.242	5.458	5.180	4.451	4.808	5.491	5.167	5.239	4.931
Korea, South.....	2.101	2.197	2.498	2.095	2.215	1.811	2.202	2.046	2.014	2.184	2.049	2.368
Other OECD.....	.129	.337	.351	.486	.320	.494	.439	.159	.397	.453	.403	.266

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

2/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, 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)

	2000					2001						
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total.....	19.634	19.228	18.903	19.673	18.776	18.380	17.360	17.415	18.341	18.418	18.448	17.638
United States ¹ /.....	5.546	5.385	4.975	5.760	5.964	5.938	5.491	5.452	5.205	5.506	5.394	5.038
Canada.....	.336	.309	.230	.298	.361	.430	.275	.357	.360	.362	.288	.301
Mexico.....	.095	.095	.041	.044	.065	.009	.080	.027	.072	.010	.033	.034
OECD Europe ² /.....	6.328	5.665	5.451	5.698	5.113	5.253	4.986	5.079	5.766	5.617	5.718	5.379
Main European Importers												
France.....	1.013	.665	.836	.693	.621	.780	.860	.708	1.139	.821	.782	.697
Germany ³ /.....	.555	.529	.520	.378	.542	.487	.480	.501	.446	.372	.584	.482
Italy.....	1.398	1.303	1.160	1.272	1.143	1.102	.938	1.135	1.096	1.080	1.160	1.242
Spain.....	.896	.929	.663	.870	.626	.693	.743	.692	.800	.687	.970	.816
Netherlands.....	.739	.725	.694	.880	.716	.566	.622	.589	.686	.753	.513	.570
European Net Exporters												
Norway.....	.000	.000	.000	.004	.000	.000	.000	.000	.000	.000	.000	.000
United Kingdom....	.133	.143	.150	.187	.170	.152	.222	.177	.299	.230	.160	.198
Smaller European Importers												
Austria.....	.113	.089	.070	.095	.069	.126	.087	.071	.081	.110	.129	.103
Belgium.....	.350	.295	.249	.248	.204	.257	.159	.236	.231	.246	.230	.218
Czech Republic....	.004	.014	.003	.015	.014	.020	.018	.006	.027	.030	.030	.009
Denmark.....	.026	.031	.026	.024	.025	.036	.034	.049	.043	.037	.025	.034
Finland.....	.000	.000	.000	.000	.000	.012	.000	.000	.000	.000	.000	.000
Greece.....	.273	.333	.293	.306	.268	.265	.211	.302	.219	.382	.295	.340
Hungary.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Poland.....	.000	.000	.000	.000	.000	.000	.000	.000	.015	.000	.000	.000
Portugal.....	.177	.105	.156	.121	.197	.141	.125	.167	.173	.170	.232	.121
Sweden.....	.097	.081	.089	.143	.083	.134	.162	.027	.160	.183	.011	.077
Switzerland.....	.113	.111	.116	.112	.099	.102	.068	.090	.062	.097	.101	.094
Turkey.....	.444	.313	.426	.351	.336	.380	.258	.327	.288	.418	.495	.378
Japan.....	4.642	4.876	5.019	5.019	4.415	4.096	3.673	3.954	4.386	4.192	4.359	4.086
Korea, South.....	2.114	2.291	2.620	2.227	2.279	2.026	2.266	1.970	1.947	2.075	1.997	2.204
Other OECD.....	.573	.608	.567	.627	.578	.628	.588	.576	.606	.656	.659	.596

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

²/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, 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; 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)

	2000					2001						
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total.....	12.588	12.579	12.373	13.002	12.211	11.846	11.154	10.974	11.820	12.323	11.864	11.274
United States ¹ /.....	2.774	2.436	2.334	2.674	2.861	3.073	2.818	2.716	2.674	3.004	2.838	2.634
Canada.....	.066	.193	.077	.183	.167	.130	.061	.186	.162	.170	.085	.181
Mexico.....	.013	.022	.024	.014	.033	.009	.044	.003	.026	.010	.026	.010
OECD Europe ² /.....	3.320	2.983	2.643	3.107	2.727	2.727	2.520	2.456	3.007	3.007	2.730	2.445
Main European Importers												
France.....	.692	.344	.541	.488	.401	.531	.477	.394	.678	.595	.455	.334
Germany ³ /.....	.106	.101	.059	.046	.076	.110	.078	.136	.095	.105	.075	.096
Italy.....	.580	.593	.395	.626	.488	.424	.405	.469	.478	.545	.482	.479
Spain.....	.265	.340	.190	.345	.264	.290	.236	.237	.327	.161	.368	.130
Netherlands.....	.462	.588	.445	.613	.558	.344	.437	.360	.505	.446	.351	.425
European Net Exporters												
United Kingdom....	.094	.099	.109	.089	.105	.114	.168	.112	.137	.112	.055	.105
Smaller European Importers												
Austria.....	.045	.017	.002	.020	.037	.039	.038	.033	.039	.049	.069	.036
Belgium.....	.344	.265	.223	.205	.183	.241	.106	.197	.203	.207	.215	.170
Czech Republic....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Denmark.....	.013	.013	.004	.000	.013	.011	.019	.018	.000	.012	.000	.034
Finland.....	.000	.000	.000	.000	.000	.012	.009	.000	.000	.000	.000	.000
Greece.....	.240	.286	.279	.292	.219	.249	.207	.276	.178	.341	.285	.290
Hungary.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Poland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.148	.040	.091	.031	.094	.052	.066	.061	.067	.022	.062	.042
Sweden.....	.067	.067	.074	.135	.069	.064	.134	.000	.133	.138	.000	.077
Switzerland.....	.000	.000	.010	.009	.015	.004	.005	.009	.018	.010	.009	.009
Turkey.....	.262	.231	.222	.207	.206	.240	.135	.153	.148	.266	.303	.220
Japan.....	4.252	4.674	4.712	4.783	4.191	3.789	3.391	3.601	3.929	3.918	4.052	3.875
Korea, South.....	1.950	2.091	2.410	2.002	2.054	1.836	2.029	1.820	1.780	1.862	1.838	1.950
Other OECD.....	.213	.180	.173	.238	.178	.282	.291	.192	.242	.352	.295	.179

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

²/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, 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)

	2000						2001					
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total Net Imports..	10.958	11.154	10.447	10.996	11.361	11.130	10.501	10.690	10.234	10.659	10.191	10.410
Imports from OPEC ^{1/}	5.546	5.385	4.975	5.760	5.964	5.938	5.491	5.452	5.205	5.506	5.394	5.038
Imports from Persian Gulf ^{2/}												
Total.....	2.774	2.436	2.334	2.674	2.861	3.073	2.818	2.716	2.674	3.004	2.838	2.634
Bahrain.....	-.003	.000	.000	.000	.000	-.003	.000	.000	-.003	.000	.000	-.004
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.528	.294	.236	.566	.862	.973	.740	.697	.562	1.192	1.166	.889
Kuwait.....	.344	.242	.280	.302	.242	.251	.255	.287	.256	.243	.221	.196
U.A.E.....	.005	.135	.041	.001	.081	.052	.023	.010	.023	.079	.013	.000
Qatar.....	.003	.007	.000	.020	.019	.030	.023	.011	.010	.014	.006	.010
Saudi Arabia.....	1.897	1.758	1.777	1.785	1.657	1.770	1.777	1.711	1.826	1.476	1.432	1.543
Imports from OPEC-Africa												
Total.....	.925	1.159	1.115	1.260	1.448	1.326	1.030	1.037	.962	1.207	1.053	1.003
Algeria.....	.240	.286	.223	.279	.326	.379	.265	.190	.243	.200	.269	.308
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.685	.873	.892	.981	1.122	.947	.765	.847	.719	1.007	.784	.695
Imports from OPEC-South America												
Total.....	1.752	1.742	1.453	1.755	1.597	1.458	1.588	1.671	1.528	1.269	1.464	1.375
Venezuela.....	1.752	1.742	1.453	1.755	1.597	1.458	1.588	1.671	1.528	1.269	1.464	1.375
Imports from OPEC-Far East												
Total.....	.092	.048	.073	.071	.058	.078	.055	.028	.038	.026	.039	.022
Indonesia.....	.092	.048	.073	.071	.058	.078	.055	.028	.038	.026	.039	.022

^{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.

•Zeros (.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)

	2000					2001						
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total Net Imports..	5.618	5.957	6.081	6.242	5.458	5.180	4.451	4.808	5.491	5.167	5.239	4.931
Imports from OPEC ^{1/}	4.642	4.876	5.019	5.019	4.415	4.096	3.673	3.954	4.386	4.192	4.359	4.086
Imports from Persian Gulf ^{2/}												
Total.....	4.252	4.674	4.712	4.783	4.191	3.789	3.391	3.601	3.929	3.918	4.052	3.875
Bahrain.....	.000	.021	.008	.015	.024	.008	.008	.014	.008	.033	.000	.009
Iran.....	.351	.652	.598	.549	.612	.555	.445	.505	.586	.625	.459	.539
Iraq.....	.110	.000	.000	.000	.000	.000	.000	.000	.000	.000	.064	.000
Kuwait.....	.655	.595	.709	.640	.466	.580	.450	.501	.438	.469	.611	.527
U.A.E.....	1.325	1.450	1.536	1.482	1.297	1.128	.945	1.039	1.189	1.171	1.138	1.079
Qatar.....	.447	.557	.537	.496	.554	.353	.379	.411	.563	.485	.535	.492
Saudi Arabia.....	1.363	1.399	1.323	1.601	1.238	1.165	1.164	1.131	1.145	1.135	1.245	1.228
Imports from OPEC-Africa												
Total.....	.061	.000	.000	.000	.010	.000	.000	.024	.086	.020	.064	.000
Algeria.....	.000	.000	.000	.000	.010	.000	.000	.024	.025	.020	.000	.000
Nigeria.....	.061	.000	.000	.000	.000	.000	.000	.000	.061	.000	.064	.000
Imports from OPEC-South America												
Total.....	.000	.020	.021	.000	.022	.019	.020	.020	.019	.022	.021	.000
Venezuela.....	.000	.020	.021	.000	.022	.019	.020	.020	.019	.022	.021	.000
Imports from OPEC-Far East												
Total.....	.329	.203	.295	.251	.216	.295	.271	.323	.360	.265	.221	.220
Indonesia.....	.329	.203	.295	.251	.216	.295	.271	.323	.360	.265	.221	.220

^{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 3.9 OECD Europe--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	2000					2001						
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total Net Imports..	8.499	7.129	8.095	7.881	6.873	7.708	8.253	7.870	8.986	8.542	8.335	8.474
Imports from OPEC ^{1/}	6.328	5.665	5.451	5.698	5.113	5.253	4.986	5.079	5.766	5.617	5.718	5.379
Imports from Persian Gulf ^{2/}												
Total.....	3.320	2.983	2.643	3.107	2.727	2.727	2.520	2.456	3.007	3.007	2.730	2.445
Bahrain.....	.012	.024	.024	.008	.025	.001	.018	.015	.021	.015	.002	.021
Iran.....	.890	1.043	.598	.953	.557	.810	.598	.755	.825	.711	.794	.524
Iraq.....	.409	.068	.316	.407	.665	.623	.230	.161	.492	.577	.614	.571
Kuwait.....	.184	.321	.233	.287	.192	.126	.165	.185	.230	.299	.141	.205
U.A.E.....	.029	.067	.054	.028	.044	.080	.116	.035	.076	.042	.010	.055
Qatar.....	.008	.000	.000	.005	.000	.000	.000	.000	.000	.000	.001	.000
Saudi Arabia.....	1.788	1.459	1.418	1.420	1.243	1.087	1.393	1.304	1.363	1.363	1.168	1.069
Imports from OPEC-Africa												
Total.....	2.856	2.497	2.638	2.433	2.230	2.323	2.280	2.451	2.518	2.351	2.648	2.594
Algeria.....	.956	.642	.821	.686	.573	.607	.766	.890	.767	.829	.844	.743
Libya.....	1.272	1.218	1.320	1.155	1.273	1.210	1.159	1.125	1.228	1.044	1.211	1.132
Nigeria.....	.628	.636	.496	.592	.384	.507	.355	.436	.523	.478	.594	.719
Imports from OPEC-South America												
Total.....	.163	.204	.174	.165	.180	.187	.203	.186	.255	.273	.328	.359
Venezuela.....	.163	.204	.174	.165	.180	.187	.203	.186	.255	.273	.328	.359
Imports from OPEC-Far East												
Total.....	.001	.004	.020	.001	.001	.016	.002	.001	.007	.001	.013	.001
Indonesia.....	.001	.004	.020	.001	.001	.016	.002	.001	.007	.001	.013	.001

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

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

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, 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)

	2000						2001					
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total Net Imports..	1.900	1.799	1.953	1.786	1.685	1.771	1.962	1.725	2.069	1.773	2.156	1.866
Imports from OPEC ^{1/}	1.013	.665	.836	.693	.621	.780	.860	.708	1.139	.821	.782	.697
Imports from Persian Gulf ^{2/}												
Total.....	.692	.344	.541	.488	.401	.531	.477	.394	.678	.595	.455	.334
Bahrain.....	.000	.017	.010	.008	.000	.001	.000	.001	.012	.000	.002	.017
Iran.....	.098	.032	.034	.089	.079	.059	.052	.111	.095	.095	.146	.007
Iraq.....	.162	.005	.141	.065	.068	.193	.036	.000	.195	.136	.065	.184
Kuwait.....	.006	.000	.005	.039	.017	.008	.063	.016	.088	.061	.018	.017
U.A.E.....	.007	.035	.000	.003	.007	.028	.045	.008	.046	.009	.000	.034
Qatar.....	.000	.000	.000	.005	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.419	.255	.351	.279	.231	.242	.281	.258	.241	.294	.224	.074
Imports from OPEC-Africa												
Total.....	.318	.315	.302	.202	.218	.247	.380	.312	.472	.224	.327	.371
Algeria.....	.117	.118	.147	.108	.082	.052	.215	.186	.237	.084	.183	.113
Libya.....	.020	.069	.051	.042	.048	.082	.097	.065	.084	.103	.064	.054
Nigeria.....	.181	.129	.105	.053	.088	.114	.068	.061	.151	.037	.081	.204
Imports from OPEC-South America												
Total.....	.002	.022	.001	.010	.000	.001	.001	.001	.000	.002	.001	.008
Venezuela.....	.002	.022	.001	.010	.000	.001	.001	.001	.000	.002	.001	.008
Imports from OPEC-Far East												
Total.....	.001	.001	.001	.001	.001	.001	.002	.001	.001	.001	.001	.001
Indonesia.....	.001	.001	.001	.001	.001	.001	.002	.001	.001	.001	.001	.001

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

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

Notes: •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)

	2000						2001					
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total Net Imports..	2.631	2.640	2.627	2.351	2.589	2.553	2.453	2.822	2.837	2.596	2.852	2.849
Imports from OPEC ^{1/}	.555	.529	.520	.378	.542	.487	.480	.501	.446	.372	.584	.482
Imports from Persian Gulf ^{2/}												
Total.....	.106	.101	.059	.046	.076	.110	.078	.136	.095	.105	.075	.096
Iran.....	.000	.004	.000	.005	.000	.017	.000	.016	.000	.017	.000	.000
Iraq.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.006	.005	.000	.000	.000	.015	.000	.000	.005	.000	.000	.000
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.101	.092	.059	.040	.076	.078	.078	.119	.090	.087	.075	.096
Imports from OPEC-Africa												
Total.....	.419	.385	.444	.320	.429	.347	.372	.329	.320	.228	.469	.355
Algeria.....	.170	.077	.134	.057	.120	.067	.112	.127	.072	.049	.139	.105
Libya.....	.212	.261	.276	.242	.266	.181	.207	.150	.209	.130	.177	.156
Nigeria.....	.038	.047	.034	.020	.043	.100	.053	.053	.039	.049	.153	.094
Imports from OPEC-South America												
Total.....	.029	.043	.017	.013	.038	.030	.030	.036	.030	.040	.039	.031
Venezuela.....	.029	.043	.017	.013	.038	.030	.030	.036	.030	.040	.039	.031
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)

	2000					2001						
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total Net Imports..	1.792	1.869	1.599	1.640	1.657	1.556	1.414	1.715	1.841	1.813	1.743	1.804
Imports from OPEC ^{1/}	1.398	1.303	1.160	1.272	1.143	1.102	.938	1.135	1.096	1.080	1.160	1.242
Imports from Persian Gulf ^{2/}												
Total.....	.580	.593	.395	.626	.488	.424	.405	.469	.478	.545	.482	.479
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.005	.000	.000	.000
Iran.....	.202	.288	.099	.301	.179	.226	.181	.257	.200	.206	.151	.177
Iraq.....	.065	.000	.107	.130	.075	.074	.036	.033	.052	.105	.129	.123
Kuwait.....	.000	.062	.034	.030	.031	.000	.000	.000	.000	.063	.000	.000
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.313	.244	.155	.165	.203	.124	.188	.179	.222	.171	.203	.179
Imports from OPEC-Africa												
Total.....	.804	.694	.756	.646	.644	.678	.507	.659	.605	.536	.667	.757
Algeria.....	.180	.108	.143	.096	.102	.152	.042	.136	.076	.088	.161	.117
Libya.....	.577	.521	.534	.514	.520	.526	.465	.523	.498	.417	.507	.548
Nigeria.....	.047	.065	.079	.037	.022	.000	.000	.000	.031	.031	.000	.091
Imports from OPEC-South America												
Total.....	.014	.016	.008	.000	.012	.000	.026	.007	.017	.000	.011	.006
Venezuela.....	.014	.016	.008	.000	.012	.000	.026	.007	.017	.000	.011	.006
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. •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 Korea, South -- Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	2000					2001						
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total Net Imports..	2.101	2.197	2.498	2.095	2.215	1.811	2.202	2.046	2.014	2.184	2.049	2.368
Imports from OPEC ^{1/}	2.114	2.291	2.620	2.227	2.279	2.026	2.266	1.970	1.947	2.075	1.997	2.204
Imports from Persian Gulf ^{2/}												
Total.....	1.950	2.091	2.410	2.002	2.054	1.836	2.029	1.820	1.780	1.862	1.838	1.950
Bahrain.....	.008	.010	.000	.001	.000	.000	.025	.024	.000	.000	.016	.000
Iran.....	.241	.282	.208	.242	.249	.247	.292	.152	.226	.203	.251	.159
Iraq.....	.068	.000	.040	.000	.071	.000	.000	.000	.000	.000	.000	.001
Kuwait.....	.193	.282	.308	.281	.207	.254	.278	.353	.293	.252	.313	.281
U.A.E.....	.519	.404	.602	.616	.447	.358	.535	.435	.463	.459	.438	.395
Qatar.....	.142	.144	.283	.159	.207	.108	.176	.106	.061	.085	.066	.144
Saudi Arabia.....	.779	.968	.969	.703	.873	.869	.722	.749	.737	.863	.754	.970
Imports from OPEC-Africa												
Total.....	.060	.029	.000	.013	.022	.049	.049	.017	.017	.035	.025	.069
Algeria.....	.000	.000	.000	.000	.009	.008	.018	.017	.017	.027	.014	.034
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.060	.029	.000	.013	.013	.041	.031	.000	.000	.009	.011	.035
Imports from OPEC-South America												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.015	.031
Venezuela.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009	.015	.031
Imports from OPEC-Far East												
Total.....	.112	.181	.210	.213	.204	.141	.213	.157	.150	.168	.135	.155
Indonesia.....	.112	.181	.210	.213	.204	.141	.213	.157	.150	.168	.135	.155

^{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 3.14 OECD Imports from Iraq (Most Recent 12 Months)
(Million Barrels per Day)

	2000					2001						
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total.....	1.133	0.524	0.676	1.183	1.767	1.757	1.092	1.024	1.170	1.973	1.966	1.684
United States ¹ /.....	.528	.294	.236	.566	.862	.973	.740	.697	.562	1.192	1.166	.889
Canada.....	.000	.119	.077	.115	.098	.062	.061	.113	.063	.081	.018	.111
OECD Europe ² /.....	.409	.068	.316	.407	.665	.623	.230	.161	.492	.577	.614	.571
Main European Importers												
France.....	.162	.005	.141	.065	.068	.193	.036	.000	.195	.136	.065	.184
Germany ³ /.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Italy.....	.065	.000	.107	.130	.075	.074	.036	.033	.052	.105	.129	.123
Spain.....	.000	.000	.000	.067	.170	.065	.000	.032	.112	.033	.098	.000
Netherlands.....	.013	.005	.011	.075	.226	.095	.092	.072	.098	.103	.130	.109
Smaller European Importers												
Austria.....	.045	.017	.002	.000	.023	.021	.031	.003	.004	.043	.054	.027
Belgium.....	.032	.042	.013	.000	.050	.071	.035	.022	.000	.010	.004	.016
Czech Republic....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.036	.000	.041	.051	.033	.033	.000	.000	.031	.054	.000	.068
Hungary.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.031	.000	.000	.000	.000	.033	.000	.000	.000	.000	.000	.000
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.024	.000	.000	.019	.021	.039	.000	.000	.000	.093	.135	.044
Japan.....	.110	.000	.000	.000	.000	.000	.000	.000	.000	.000	.064	.000
Korea, South.....	.068	.000	.040	.000	.071	.000	.000	.000	.000	.000	.000	.001
Other OECD.....	.017	.043	.008	.096	.072	.099	.061	.053	.053	.123	.105	.112

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

2/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, 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 3.15 OECD Imports from Kuwait (Most Recent 12 Months)
(Million Barrels per Day)

	2000					2001						
	Dec	Jan	Feb	Mar	April	May	June	July	August	Sept	Oct	Nov
Total.....	1.387	1.438	1.545	1.513	1.119	1.219	1.150	1.335	1.229	1.269	1.317	1.211
United States ¹ /.....	.344	.242	.280	.302	.242	.251	.255	.287	.256	.243	.221	.196
Canada.....	.000	.000	.000	.000	.000	.000	.000	.000	.010	.005	.000	.000
OECD Europe ² /.....	.184	.321	.233	.287	.192	.126	.165	.185	.230	.299	.141	.205
Main European Importers												
France.....	.006	.000	.005	.039	.017	.008	.063	.016	.088	.061	.018	.017
Germany ³ /.....	.006	.005	.000	.000	.000	.015	.000	.000	.005	.000	.000	.000
Italy.....	.000	.062	.034	.030	.031	.000	.000	.000	.000	.063	.000	.000
Spain.....	.000	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000
Netherlands.....	.147	.191	.145	.192	.117	.063	.074	.138	.099	.135	.090	.133
European Net Exporters												
United Kingdom....	.015	.018	.018	.010	.011	.027	.018	.031	.021	.019	.010	.029
Smaller European Importers												
Belgium.....	.000	.016	.000	.000	.000	.000	.000	.000	.000	.000	.002	.002
Denmark.....	.000	.006	.004	.000	.000	.000	.009	.000	.000	.012	.000	.010
Finland.....	.000	.000	.000	.000	.000	.012	.000	.000	.000	.000	.000	.000
Greece.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.009
Turkey.....	.010	.022	.027	.016	.016	.000	.000	.000	.015	.010	.021	.005
Japan.....	.655	.595	.709	.640	.466	.580	.450	.501	.438	.469	.611	.527
Korea, South.....	.193	.282	.308	.281	.207	.254	.278	.353	.293	.252	.313	.281
Other OECD.....	.011	-.002	.015	.003	.012	.008	.002	.009	.002	.001	.031	.001

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

²/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, 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 2000 and Petroleum Supply Monthly, February 2002. Other
OECD Countries: • Organization for Economic Cooperation and Development (OECD), Monthly Oil Statistics data base, 2000-2001.

4. Historical Oil Data Series

1970-2001

Table 4.1a World Crude Oil Production (Including Lease Condensate), 1970-2001
(Thousand Barrels per Day)

	Algeria	Indo- nesia	Iran	Iraq	Kuwait1/ Libya	Nigeria	Qatar	Saudi Arabia1/ Emirates	United Arab Emirates	Vene- zuela	Total OPEC	
1970 Average.....	1,029	854	3,829	1,549	2,990	3,318	1,083	362	3,799	780	3,708	23,301
1971 Average.....	785	892	4,540	1,694	3,197	2,761	1,531	431	4,769	1,060	3,549	25,209
1972 Average.....	1,062	1,081	5,023	1,466	3,283	2,239	1,816	482	6,016	1,203	3,220	26,891
1973 Average.....	1,097	1,339	5,861	2,018	3,020	2,175	2,054	570	7,596	1,533	3,366	30,629
1974 Average.....	1,009	1,375	6,022	1,971	2,546	1,521	2,255	518	8,480	1,679	2,976	30,351
1975 Average.....	983	1,307	5,350	2,262	2,084	1,480	1,783	438	7,075	1,664	2,346	26,771
1976 Average.....	1,075	1,504	5,883	2,415	2,145	1,933	2,067	497	8,577	1,936	2,294	30,327
1977 Average.....	1,152	1,686	5,663	2,348	1,969	2,063	2,085	445	9,245	1,999	2,238	30,893
1978 Average.....	1,231	1,635	5,242	2,563	2,131	1,983	1,897	487	8,301	1,831	2,165	29,464
1979 Average.....	1,224	1,591	3,168	3,477	2,500	2,092	2,302	508	9,532	1,831	2,356	30,581
1980 Average.....	1,106	1,577	1,662	2,514	1,656	1,787	2,055	472	9,900	1,709	2,168	26,606
1981 Average.....	1,002	1,605	1,380	1,000	1,125	1,140	1,433	405	9,815	1,474	2,102	22,481
1982 Average.....	987	1,339	2,214	1,012	823	1,150	1,295	330	6,483	1,250	1,895	18,778
1983 Average.....	968	1,343	2,440	1,005	1,064	1,105	1,241	295	5,086	1,149	1,801	17,497
1984 Average.....	1,014	1,412	2,174	1,209	1,157	1,087	1,388	394	4,663	1,146	1,798	17,442
1985 Average.....	1,037	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	16,181
1986 Average.....	945	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	18,275
1987 Average.....	1,048	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	18,517
1988 Average.....	1,040	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	20,324
1989 Average.....	1,095	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	22,071
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,119
1994 Average.....	1,180	1,510	3,618	553	2,025	1,378	1,931	415	8,120	2,193	2,588	25,510
1995 Average.....	1,202	1,503	3,643	560	2,057	1,390	1,993	442	8,231	2,233	2,750	26,004
1996 Average.....	1,242	1,547	3,686	579	2,062	1,401	2,001	510	8,218	2,278	2,938	26,461
1997 Average.....	1,277	1,520	3,664	1,155	2,007	1,446	2,132	550	8,362	2,316	3,280	27,710
1998 Average.....	1,246	1,518	3,634	2,150	2,085	1,390	2,153	696	8,389	2,345	3,167	28,774
1999 Average.....	1,202	1,472	3,557	2,508	1,898	1,319	2,130	665	7,833	2,169	2,826	27,579
2000 Average.....	1,239	1,466	3,719	2,571	2,126	1,410	2,144	737	8,404	2,348	2,949	29,113
2001 Average P.....	1,255	1,369	3,724	2,432	2,026	1,367	2,256	714	8,031	2,256	2,880	28,311

1/ Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1970 through July 1990 and beginning again 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. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

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), 1970-2001
(Thousand Barrels per Day)

	Norway	United Kingdom	North Sea ^{1/}	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.....	2,229	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	536	650	536	671	1,746	2,939	450	365
1995 Average.....	2,768	2,489	5,400	646	715	562	695	1,805	2,990	585	392
1996 Average.....	3,104	2,568	5,822	709	756	570	795	1,837	3,131	623	396
1997 Average.....	3,143	2,518	5,830	714	834	588	841	1,922	3,200	652	388
1998 Average.....	3,017	2,616	5,806	735	847	544	969	1,981	3,198	733	375
1999 Average.....	3,018	2,684	5,958	766	802	539	1,132	1,907	3,195	816	373
2000 Average.....	3,197	2,475	6,013	746	761	722	1,212	1,977	3,249	691	395
2001 Average P.....	3,202	2,282	5,800	742	778	633	1,315	2,029	3,300	602	412

^{1/} 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), 1970-2001
(Thousand Barrels per Day)

	Egypt	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ^{1/}	World
1970 Average.....	326	109	144	18	487	332	--	6,985	80	9,637	1,529	45,886
1971 Average.....	293	115	143	69	486	294	--	7,475	100	9,463	1,518	48,518
1972 Average.....	231	125	156	93	505	282	--	7,890	124	9,441	1,592	51,138
1973 Average.....	165	150	147	91	465	293	--	8,324	105	9,208	1,667	55,679
1974 Average.....	150	202	156	81	571	290	--	8,912	124	8,774	1,711	55,716
1975 Average.....	235	223	165	98	705	343	--	9,523	170	8,375	1,636	52,828
1976 Average.....	330	223	175	165	831	366	--	10,060	175	8,132	1,620	57,344
1977 Average.....	415	222	199	184	981	341	--	10,603	188	8,245	1,655	59,707
1978 Average.....	485	209	226	217	1,209	315	--	11,105	170	8,707	1,706	60,158
1979 Average.....	525	203	245	283	1,461	295	--	11,384	166	8,552	1,821	62,674
1980 Average.....	595	175	182	283	1,936	282	--	11,706	164	8,597	1,842	59,600
1981 Average.....	598	151	325	264	2,313	319	--	11,850	166	8,572	1,859	56,076
1982 Average.....	670	156	390	306	2,748	324	--	11,912	160	8,649	1,892	53,481
1983 Average.....	727	157	480	365	2,689	375	--	11,972	167	8,688	1,946	53,256
1984 Average.....	822	157	519	440	2,780	414	--	11,861	170	8,879	2,015	54,489
1985 Average.....	887	172	620	440	2,745	498	--	11,585	178	8,971	2,124	53,982
1986 Average.....	813	166	630	504	2,435	560	--	11,895	194	8,680	2,166	56,227
1987 Average.....	896	155	609	497	2,548	582	--	12,050	230	8,349	2,120	56,666
1988 Average.....	848	159	635	540	2,512	617	--	12,053	265	8,140	2,235	58,737
1989 Average.....	865	208	700	585	2,520	641	--	11,715	340	7,613	2,249	59,863
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253	60,566
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274	60,207
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,229	60,213
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,279	60,236
1994 Average.....	896	329	590	645	2,685	810	6,135	--	560	6,662	3,380	60,991
1995 Average.....	920	365	703	682	2,618	851	5,995	--	575	6,560	3,414	62,335
1996 Average.....	922	368	651	695	2,855	883	5,850	--	582	6,465	3,490	63,711
1997 Average.....	856	370	675	700	3,023	904	5,920	--	561	6,452	3,719	65,690
1998 Average.....	834	352	661	720	3,070	900	5,854	--	553	6,252	3,936	66,921
1999 Average.....	852	340	653	693	2,906	887	6,079	--	538	5,881	4,231	65,870
2000 Average.....	710	330	646	690	3,012	940	6,479	--	523	5,822	4,511	68,200
2001 Average P...	639	301	642	659	3,127	960	7,049	--	518	5,853	4,734	68,089

^{1/} 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), 1980-2001
(Thousand Barrels per Day)

	Algeria	Indo- nesia	Iran	Iraq	Kuwait _{1/}	Libya	Nigeria	Qatar	Saudi Arabia _{1/}	United Arab Emirates	Vene- zuela	Total OPEC
1980 Average...	1,006	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,390
1981 Average...	802	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,155
1982 Average...	712	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,349
1983 Average...	648	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	16,996
1984 Average...	694	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	16,805
1985 Average...	702	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,503
1986 Average...	600	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,575
1987 Average...	648	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,648
1988 Average...	640	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,421
1989 Average...	690	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,201
1990 Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,100	22,461
1991 Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,506
1992 Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,558
1993 Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,304
1994 Average...	750	1,334	3,583	548	2,025	1,378	1,821	380	8,120	2,113	2,542	24,594
1995 Average...	767	1,343	3,608	555	2,057	1,390	1,878	407	8,231	2,148	2,710	25,094
1996 Average...	812	1,367	3,651	574	2,062	1,401	1,885	475	8,218	2,198	2,898	25,541
1997 Average...	847	1,355	3,629	1,150	2,007	1,446	2,017	515	8,362	2,236	3,240	26,804
1998 Average...	816	1,338	3,599	2,145	2,085	1,390	2,043	661	8,389	2,265	3,127	27,858
1999 Average ..	772	1,324	3,522	2,503	1,898	1,319	2,020	630	7,833	2,089	2,776	26,686
2000 Average...	809	1,286	3,684	2,566	2,126	1,410	2,034	702	8,404	2,268	2,899	28,188
2001 Average P.	825	1,216	3,689	2,427	2,026	1,367	2,117	679	8,031	2,176	2,830	27,383

_{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning again 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. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

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, 1970-2001
(Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Russia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average.....	3	200	58	50	--	120	1,660	119	137	205	2,383
1971 Average.....	4	234	59	50	--	135	1,693	138	147	243	2,508
1972 Average.....	4	293	61	55	--	155	1,744	155	159	275	2,676
1973 Average.....	9	314	75	90	--	170	1,738	191	196	324	2,785
1974 Average.....	12	314	80	130	--	190	1,688	231	219	347	2,789
1975 Average.....	20	309	80	140	--	205	1,633	246	252	372	2,790
1976 Average.....	24	289	95	185	--	220	1,603	291	313	442	2,865
1977 Average.....	19	290	105	215	--	235	1,618	335	366	482	2,982
1978 Average.....	25	281	115	250	--	255	1,567	410	447	566	3,078
1979 Average.....	30	331	150	303	--	270	1,584	458	535	637	3,285
1980 Average.....	36	331	193	369	--	285	1,573	534	618	732	3,444
1981 Average.....	49	330	241	433	--	300	1,609	599	691	825	3,625
1982 Average.....	58	318	255	430	--	315	1,550	612	721	842	3,626
1983 Average.....	56	309	265	330	--	330	1,559	552	655	780	3,635
1984 Average.....	105	336	257	355	--	340	1,630	604	761	869	3,869
1985 Average.....	120	337	271	375	--	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	--	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	--	430	1,595	721	900	1,006	4,279
1988 Average.....	120	381	370	499	--	450	1,625	808	979	1,077	4,481
1989 Average.....	130	410	384	503	--	425	1,546	851	1,041	1,188	4,502
1990 Average.....	130	426	428	620	--	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	--	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	230	--	1,697	1,003	1,185	1,364	4,974
1993 Average.....	145	506	459	704	220	--	1,736	1,040	1,238	1,435	5,180
1994 Average.....	140	529	461	698	200	--	1,727	1,071	1,267	1,465	5,292
1995 Average.....	145	581	447	701	180	--	1,762	1,106	1,301	1,506	5,485
1996 Average.....	150	596	423	697	185	--	1,830	1,082	1,295	1,501	5,576
1997 Average.....	160	636	388	712	195	--	1,817	1,152	1,384	1,589	5,721
1998 Average.....	155	651	424	755	220	--	1,759	1,225	1,449	1,662	5,874
1999 Average.....	190	653	439	666	231	--	1,850	1,152	1,411	1,648	5,984
2000 Average.....	190	699	438	706	232	--	1,911	1,206	1,463	1,706	6,168
2001 Average P....	190	709	433	680	237	--	1,864	1,214	1,514	1,708	6,298

^{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 these groups.

P=Preliminary.

Sources: See end of Section 4.

Table 4.4 World Oil Supply, 1970-2001
(Thousand Barrels per Day)

	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average.....	11,673	13,541	14,571	23,567	48,986
1971 Average.....	11,554	15,940	15,427	25,514	51,766
1972 Average.....	11,601	17,734	16,451	27,228	54,574
1973 Average.....	11,428	20,895	18,656	31,015	59,300
1974 Average.....	10,978	21,550	18,399	30,762	59,391
1975 Average.....	10,505	19,223	16,831	27,218	56,511
1976 Average.....	10,251	21,847	19,563	30,841	61,121
1977 Average.....	10,437	22,098	20,372	31,443	63,665
1978 Average.....	10,820	21,067	19,819	30,120	64,225
1979 Average.....	10,707	21,569	22,575	31,300	66,973
1980 Average.....	10,809	18,541	20,715	27,419	64,139
1981 Average.....	10,739	15,894	17,619	23,393	60,746
1982 Average.....	10,783	12,815	13,786	19,702	58,215
1983 Average.....	10,788	11,676	12,416	18,352	58,046
1984 Average.....	11,107	11,433	12,619	18,389	59,638
1985 Average.....	11,192	10,320	11,498	17,151	59,249
1986 Average.....	10,905	12,441	13,653	19,310	61,758
1987 Average.....	10,648	12,869	13,992	19,589	62,418
1988 Average.....	10,473	14,310	15,662	21,465	64,690
1989 Average.....	9,880	15,733	16,658	23,323	65,877
1990 Average.....	9,677	16,249	17,232	24,536	66,743
1991 Average.....	9,883	15,704	16,747	24,625	66,617
1992 Average.....	9,768	17,010	17,871	25,818	66,941
1993 Average.....	9,602	17,792	18,505	26,610	67,335
1994 Average.....	9,413	18,072	18,745	27,031	68,246
1995 Average.....	9,400	18,351	19,069	27,566	69,868
1996 Average.....	9,445	18,486	19,237	28,018	71,397
1997 Average.....	9,461	19,284	20,067	29,355	73,658
1998 Average.....	9,278	20,599	21,282	30,492	75,124
1999 Average.....	8,993	19,856	20,542	29,283	74,184
2000 Average.....	9,058	21,183	21,672	30,874	76,858
2001 Average P.....	9,021	20,470	20,895	30,075	76,781

^{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 these groups.

P=Preliminary.

Note: Oil Supply includes crude oil, natural gas plant liquids, other liquids, and refinery processing 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	Germany ^{1/}	Italy	United Kingdom	OECD Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}	Total OECD
1973 December.....	201	181	152	156	1,070	140	303	NA	1,008	67	2,588
1974 December.....	249	213	167	191	1,227	145	370	NA	1,074	64	2,880
1975 December.....	225	187	143	165	1,154	174	375	NA	1,133	67	2,903
1976 December.....	234	208	143	165	1,205	153	380	NA	1,112	68	2,918
1977 December.....	239	225	161	148	1,268	167	409	NA	1,312	68	3,224
1978 December.....	201	238	154	157	1,219	144	413	NA	1,278	68	3,122
1979 December.....	226	272	163	169	1,353	150	460	NA	1,341	75	3,379
1980 December.....	243	319	170	168	1,464	164	495	NA	1,392	72	3,587
1981 December.....	214	297	167	143	1,337	161	482	NA	1,484	67	3,531
1982 December.....	193	272	179	125	1,258	136	484	NA	1,430	68	3,376
1983 December.....	153	249	149	118	1,142	121	470	NA	1,454	68	3,255
1984 December.....	152	239	159	112	1,130	128	479	NA	1,556	69	3,362
1985 December.....	139	233	157	123	1,092	113	494	NA	1,519	66	3,284
1986 December.....	127	252	155	124	1,133	111	509	NA	1,593	72	3,418
1987 December.....	127	259	169	121	1,130	126	540	NA	1,607	71	3,474
1988 December.....	140	266	155	112	1,118	116	538	NA	1,597	71	3,440
1989 December.....	138	271	164	118	1,133	114	577	NA	1,581	71	3,476
1990 December.....	140	265	172	112	1,163	121	590	NA	1,621	73	3,568
1991 December.....	153	288	160	119	1,181	119	606	NA	1,617	65	3,588
1992 December.....	146	310	174	113	1,219	107	603	NA	1,592	67	3,588
1993 December.....	158	309	163	118	1,221	105	618	NA	1,647	69	3,661
1994 December.....	158	312	164	115	1,240	119	645	NA	1,653	69	3,726
1995 December.....	159	301	162	107	1,228	109	630	NA	1,563	71	3,601
1996 December.....	158	300	152	108	1,256	103	651	NA	1,507	74	3,591
***** See Footnote 5 for Explanation of Changes in Data Series *****											
1997 December.....	164	298	147	105	1,306	115	685	88	1,560	122	3,876
1998 December.....	161	321	153	109	1,364	118	649	85	1,647	112	3,975
1999 December.....	163	287	148	105	1,294	109	629	84	1,493	106	3,715
2000 December P....	174	271	157	103	1,304	112	634	89	1,468	117	3,724

^{1/} Data through December 1990 are for the former West Germany. Beginning with December 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, 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, Mexico, New Zealand, and the U.S. Territories.

^{5/} There is a discontinuity in the time series between 1996 and 1997. Consistent stock data prior to 1997 are not available for five countries -- Czech Republic, Hungary, Mexico, Poland, and South Korea. Data are available for 1997 forward.

P=Preliminary. NA=Not available.

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

Sources: See end of Section 4.

Table 4.6 World Oil Demand, 1970-2001
(Thousand Barrels per Day)

	France	Germany ^{1/}	Italy	United Kingdom	OECD Europe ^{2/3/}	Canada	Japan	Korea, South	United States ^{4/}	Other ^{5/}	Total OECD ^{3/}	World Total
1970 Average...	1,937	2,830	1,710	2,096	12,924	1,516	3,817	199	14,697	1,339	34,492	46,808
1971 Average...	2,115	2,941	1,838	2,141	13,570	1,564	4,142	232	15,213	1,350	36,072	49,416
1972 Average...	2,322	3,097	1,947	2,284	14,533	1,664	4,363	235	16,367	1,537	38,699	53,094
1973 Average...	2,601	3,324	2,068	2,341	15,598	1,729	4,949	281	17,308	1,658	41,523	57,237
1974 Average...	2,447	3,030	2,004	2,210	14,699	1,779	4,864	287	16,653	1,806	40,089	56,677
1975 Average...	2,252	2,957	1,855	1,911	13,998	1,779	4,621	311	16,322	1,794	38,825	56,198
1976 Average...	2,420	3,206	1,971	1,892	14,964	1,818	4,837	357	17,461	1,946	41,382	59,673
1977 Average...	2,294	3,212	1,897	1,905	14,810	1,850	4,880	422	18,431	2,035	42,429	61,826
1978 Average...	2,408	3,290	1,952	1,938	15,247	1,902	4,945	482	18,847	2,194	43,616	64,158
1979 Average...	2,463	3,373	2,039	1,971	15,668	1,971	5,050	525	18,513	2,278	44,005	65,220
1980 Average...	2,256	3,082	1,934	1,725	14,640	1,873	4,960	537	17,056	2,342	41,408	63,067
1981 Average...	2,023	2,804	1,874	1,590	13,452	1,768	4,848	536	16,058	2,479	39,141	60,903
1982 Average...	1,880	2,743	1,781	1,590	12,965	1,578	4,582	534	15,296	2,484	37,439	59,503
1983 Average...	1,835	2,661	1,750	1,531	12,650	1,448	4,395	561	15,231	2,303	36,588	58,739
1984 Average...	1,754	2,662	1,646	1,849	12,629	1,472	4,576	587	15,726	2,442	37,432	59,831
1985 Average...	1,775	2,700	1,717	1,634	12,603	1,504	4,384	569	15,726	2,441	37,228	60,091
1986 Average...	1,772	2,860	1,738	1,649	13,009	1,506	4,439	607	16,281	2,436	38,277	61,759
1987 Average...	1,789	2,767	1,855	1,603	13,142	1,548	4,484	639	16,665	2,479	38,957	62,999
1988 Average...	1,797	2,744	1,836	1,697	13,291	1,693	4,752	731	17,283	2,489	40,238	64,819
1989 Average...	1,857	2,581	1,930	1,738	13,359	1,733	4,983	843	17,325	2,638	40,881	65,917
1990 Average...	1,818	2,664	1,872	1,752	13,368	1,690	5,140	1,025	16,988	2,706	40,917	65,974
1991 Average...	1,935	2,828	1,863	1,801	13,827	1,622	5,284	1,202	16,714	2,751	41,400	66,559
1992 Average...	1,926	2,843	1,937	1,803	14,073	1,643	5,446	1,456	17,033	2,773	42,424	66,758
1993 Average...	1,875	2,900	1,852	1,815	14,140	1,688	5,401	1,690	17,237	2,826	42,982	66,996
1994 Average...	1,833	2,879	1,841	1,837	14,226	1,727	5,674	1,856	17,718	2,966	44,167	68,286
1995 Average...	1,896	2,875	2,048	1,845	14,756	1,755	5,711	2,027	17,725	2,989	44,962	69,878
1996 Average...	1,935	2,911	2,058	1,845	14,964	1,797	5,867	2,183	18,309	2,953	46,072	71,411
***** See Note Below and Appendix B, Note 3 for Explanation of Change in Data Series *****												
1997 Average...	1,957	2,915	1,908	1,805	15,009	1,923	5,728	2,260	18,620	3,084	46,626	72,853
1998 Average...	2,030	2,921	1,945	1,789	15,335	1,947	5,528	1,930	18,917	3,228	46,885	73,603
1999 Average...	2,027	2,836	1,841	1,739	15,169	2,029	5,587	2,075	19,519	3,313	47,692	74,982
2000 Average P.	2,021	2,770	1,867	1,721	15,140	2,073	5,528	2,146	19,701	3,331	47,920	75,712

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

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

3/ Data for 1970 - 1992 exclude Czech Republic.

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

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

P=Preliminary.

Note: There is a discontinuity in the time series between 1996 and 1997. 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, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total ^{1/}	20.565	20.282	21.016	21.953	21.984	21.688	22.488	23.230	23.589	23.632	23.993
United States ^{2/}	7.161	6.626	6.938	7.618	8.054	7.886	8.498	9.158	9.764	9.912	10.419
Canada.....	-.429	-.486	-.553	-.594	-.632	-.763	-.812	-.829	-.917	-.800	-.839
Mexico.....	-1.327	-1.451	-1.435	-1.316	-1.283	-1.285	-1.463	-1.485	-1.494	-1.365	-1.404
OECD Europe ^{1/3/}	8.604	8.837	8.745	8.552	7.775	7.652	7.829	7.841	8.406	7.684	7.813
Main European Importers											
France.....	1.750	1.851	1.766	1.741	1.596	1.702	1.716	1.747	1.855	1.862	1.868
Germany ^{4/}	2.202	2.642	2.714	2.697	2.704	2.673	2.766	2.778	2.860	2.608	2.561
Italy.....	1.788	1.750	1.819	1.728	1.760	1.802	1.773	1.775	1.809	1.731	1.744
Netherlands.....	.668	.677	.699	.674	.706	.686	.748	.758	.765	.753	.859
Spain.....	.950	.937	.985	1.054	1.105	1.188	1.169	1.259	1.350	1.384	1.413
European Net Exporters											
Norway.....	-1.543	-1.825	-2.102	-2.255	-2.587	-2.795	-3.150	-3.176	-3.043	-3.027	-3.202
United Kingdom....	-.214	-.170	-.233	-.368	-.861	-.980	-.850	-.980	-1.031	-1.260	-1.068
Smaller European Importers											
Austria.....	.201	.210	.207	.203	.208	.194	.213	.221	.234	.226	.216
Belgium.....	.442	.498	.510	.496	.510	.488	.564	.581	.605	.549	.579
Czech Republic ^{5/} ..	-	-	-	.139	.154	.154	.169	.160	.162	.160	.153
Denmark.....	.063	.046	.031	.022	.025	.038	.027	-.007	-.004	-.088	-.160
Ireland.....	.095	.094	.096	.101	.109	.115	.123	.133	.147	.165	.144
Finland.....	.208	.200	.185	.180	.231	.143	.178	.184	.208	.208	.223
Greece.....	.273	.293	.322	.323	.289	.339	.346	.356	.382	.352	.381
Hungary.....	.128	.114	.123	.119	.111	.108	.102	.106	.113	.103	.101
Iceland.....	.011	.012	.011	.014	.015	.015	.015	.016	.017	.018	.019
Luxembourg.....	.034	.039	.040	.039	.040	.036	.039	.040	.043	.044	.049
Poland.....	.275	.271	.297	.304	.294	.298	.360	.383	.392	.390	.382
Portugal.....	.250	.256	.276	.269	.266	.287	.271	.292	.321	.340	.325
Sweden.....	.324	.308	.316	.330	.357	.351	.400	.365	.378	.347	.347
Switzerland.....	.273	.272	.276	.249	.261	.247	.258	.268	.277	.256	.249
Turkey.....	.425	.361	.407	.494	.484	.563	.594	.583	.565	.561	.629
Japan.....	5.239	5.237	5.413	5.415	5.711	5.662	5.736	5.762	5.352	5.463	5.486
Korea, South.....	1.046	1.205	1.523	1.770	1.874	1.991	2.171	2.310	2.015	2.158	2.224
Other OECD.....	.270	.314	.384	.507	.483	.546	.529	.471	.463	.579	.293

^{1/} Data for 1990-1992 exclude Czech Republic.

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

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

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

^{5/} Data for 1990-1992 are not available.

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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.8 OECD Imports from OPEC, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total ^{1/}	15.576	15.360	15.567	16.018	15.765	15.469	15.630	18.751	19.135	18.389	18.774
United States ^{2/}	4.172	3.918	3.888	4.103	4.036	3.979	4.194	4.542	4.881	4.934	5.182
Canada.....	.199	.210	.210	.268	.285	.257	.261	.312	.297	.301	.310
Mexico ^{3/}	-	-	-	-	-	-	-	.052	.036	.044	.060
OECD Europe ^{4/5/}	6.633	6.728	6.758	6.794	6.385	6.154	6.053	6.268	6.711	5.925	5.936
Main European Importers											
France.....	1.101	1.021	.932	1.006	.956	.911	.897	.899	1.029	.915	.883
Germany ^{6/}.....	.771	.859	.957	.948	.838	.711	.660	.645	.656	.597	.595
Italy.....	1.375	1.393	1.343	1.222	1.117	1.203	1.244	1.353	1.421	1.234	1.288
Netherlands.....	.850	.900	.914	.982	.906	.791	.779	.774	.849	.789	.711
Spain.....	.652	.700	.632	.582	.668	.781	.775	.789	.867	.814	.842
European Net Exporters											
Norway.....	.007	.014	.004	.005	.003	.003	.001	.003	.000	.001	.000
United Kingdom....	.406	.377	.390	.439	.306	.254	.234	.199	.213	.135	.161
Smaller European Importers											
Austria.....	.097	.108	.115	.128	.119	.057	.023	.130	.122	.105	.091
Belgium.....	.313	.362	.359	.359	.284	.276	.284	.292	.341	.221	.253
Czech Republic ^{3/} ..	-	-	-	-	-	-	-	.008	.011	.013	.010
Denmark.....	.044	.006	.001	.006	.008	.022	.027	.031	.033	.030	.032
Ireland.....	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
Finland.....	.013	.029	.033	.007	.004	.004	.001	.006	.004	.000	.000
Greece.....	.340	.298	.346	.303	.266	.263	.280	.317	.352	.314	.314
Hungary ^{3/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Poland ^{3/}	-	-	-	-	-	-	-	.000	.005	.001	.001
Portugal.....	.166	.139	.152	.166	.227	.209	.177	.188	.184	.163	.159
Sweden.....	.073	.105	.116	.123	.126	.109	.091	.096	.100	.081	.081
Switzerland.....	.036	.052	.051	.063	.082	.083	.098	.096	.102	.101	.094
Turkey.....	.388	.365	.412	.452	.475	.477	.483	.442	.418	.412	.421
Japan.....	4.062	4.026	4.198	4.245	4.495	4.467	4.470	4.699	4.467	4.403	4.438
Korea, South ^{3/}	-	-	-	-	-	-	-	2.150	2.034	2.120	2.224
Other OECD.....	.510	.478	.512	.609	.563	.612	.653	.727	.710	.661	.624

^{1/} Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

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

^{3/} Data for 1990-1996 are not available.

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

^{5/} Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

^{6/} Data for 1990 are for the former West Germany only.

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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.9 OECD Imports from Persian Gulf, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Imports from Persian Gulf											
Total ¹ /.....	9.667	9.249	9.456	10.029	9.609	9.310	9.215	11.867	12.428	12.029	12.259
United States ² /...	1.961	1.835	1.774	1.775	1.722	1.563	1.594	1.747	2.131	2.459	2.483
Canada.....	.081	.084	.092	.105	.119	.070	.111	.120	.098	.089	.108
Mexico ³ /.....	-	-	-	-	-	-	-	.022	.015	.019	.019
OECD Europe ⁴ /5/...	3.908	3.660	3.666	4.048	3.506	3.365	3.171	3.471	3.956	3.295	3.240
Main European Importers											
France.....	.864	.708	.640	.757	.651	.647	.573	.617	.730	.626	.601
Germany ⁶ /.....	.217	.227	.215	.250	.217	.172	.145	.157	.163	.140	.129
Italy.....	.626	.595	.573	.548	.430	.494	.502	.583	.658	.570	.578
Netherlands.....	.647	.609	.650	.744	.662	.563	.566	.584	.676	.621	.529
Spain.....	.291	.281	.231	.287	.275	.324	.304	.359	.419	.339	.336
European Net Exporters											
Norway.....	.000	.011	.000	.000	.000	.000	.000	.000	.000	-	-
United Kingdom...	.250	.222	.220	.303	.174	.135	.102	.094	.108	.031	.086
Smaller European Importers											
Austria.....	.016	.021	.031	.036	.038	.035	.004	.045	.049	.045	.042
Belgium.....	.250	.279	.292	.291	.232	.252	.263	.259	.307	.182	.223
Czech Republic ³ /.	-	-	-	-	-	-	-	.002	.001	.000	.001
Denmark.....	.043	.004	.000	.002	.000	.000	.000	.002	.007	.002	.008
Finland.....	.011	.021	.023	.002	.002	.002	.000	.000	.001	.000	.000
Greece.....	.268	.219	.291	.253	.214	.223	.235	.282	.322	.279	.280
Hungary ³ /.....	-	-	-	-	-	-	-	.000	.001	.000	.000
Poland ³ /.....	-	-	-	-	-	-	-	.000	.001	.000	.000
Portugal.....	.073	.067	.074	.050	.117	.107	.083	.106	.136	.110	.091
Sweden.....	.039	.064	.068	.088	.076	.068	.067	.073	.071	.060	.052
Switzerland.....	.007	.007	.007	.008	.012	.007	.006	.008	.009	.007	.007
Turkey.....	.307	.324	.349	.429	.405	.336	.320	.301	.296	.282	.276
Japan.....	3.394	3.370	3.586	3.721	3.946	3.979	4.025	4.304	4.132	4.051	4.124
Korea, South ³ /.....	-	-	-	-	-	-	-	1.892	1.859	1.893	2.053
Other OECD.....	.322	.300	.338	.381	.316	.334	.313	.311	.237	.223	.232

1/ Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

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

3/ Data for 1990-1996 are not available.

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

5/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

6/ Data for 1990 are for the former West Germany only.

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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.10 United States--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total Net Imports..	7.161	6.626	6.938	7.618	8.054	7.886	8.498	9.158	9.764	9.912	10.419
Imports from OPEC ^{1/}	4.172	3.918	3.888	4.103	4.036	3.979	4.194	4.542	4.881	4.934	5.182
Imports from											
Persian Gulf ^{2/}											
Total.....	1.961	1.835	1.774	1.775	1.722	1.563	1.594	1.747	2.131	2.459	2.483
Bahrain.....	-.001	-.001	-.002	-.002	-.002	-.003	-.002	-.002	-.001	.000	-.001
Iran.....	.000	.032	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.518	.000	.000	.000	.000	.000	.001	.089	.336	.725	.620
Kuwait.....	.086	.006	.051	.353	.312	.218	.236	.253	.301	.248	.272
U.A.E.....	.016	.001	.004	.009	.011	.004	-.003	-.003	.000	-.002	.012
Qatar.....	.004	.000	.001	.001	.000	.000	.000	.004	.004	.010	.009
Saudi Arabia.....	1.339	1.797	1.720	1.414	1.402	1.344	1.363	1.406	1.491	1.477	1.571
Imports from OPEC-Africa											
Total.....	1.080	.956	.876	.956	.880	.859	.872	.979	.983	.915	1.121
Algeria.....	.280	.253	.196	.220	.243	.234	.256	.285	.290	.259	.225
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.800	.703	.680	.736	.637	.625	.616	.694	.693	.656	.896
Imports from											
OPEC-South America											
Total.....	1.016	1.020	1.161	1.295	1.322	1.468	1.667	1.758	1.701	1.481	1.530
Venezuela.....	1.016	1.020	1.161	1.295	1.322	1.468	1.667	1.758	1.701	1.481	1.530
Imports from OPEC-Far East											
Total.....	.113	.106	.075	.074	.109	.087	.058	.057	.065	.080	.047
Indonesia.....	.113	.106	.075	.074	.109	.087	.058	.057	.065	.080	.047

^{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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.11 Japan--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total Net Imports..	5.239	5.237	5.413	5.415	5.711	5.662	5.736	5.762	5.352	5.463	5.486
Imports from OPEC ^{1/}	4.062	4.026	4.198	4.245	4.495	4.467	4.470	4.699	4.467	4.403	4.438
Imports from Persian Gulf ^{2/}											
Total.....	3.394	3.370	3.586	3.721	3.946	3.979	4.025	4.304	4.132	4.051	4.124
Bahrain.....	.037	.037	.029	.025	.028	.029	.033	.023	.016	.017	.011
Iran.....	.385	.383	.362	.384	.459	.399	.451	.461	.473	.502	.498
Iraq.....	.146	.000	.000	.000	.000	.000	.000	.015	.017	.099	.072
Kuwait.....	.291	.014	.220	.368	.430	.501	.500	.557	.507	.515	.536
U.A.E.....	1.032	1.285	1.256	1.287	1.398	1.420	1.396	1.441	1.402	1.266	1.305
Qatar.....	.263	.285	.300	.330	.328	.335	.335	.364	.450	.442	.444
Saudi Arabia.....	1.240	1.367	1.420	1.327	1.303	1.296	1.310	1.441	1.268	1.210	1.258
Imports from OPEC-Africa											
Total.....	.011	.011	.007	.008	.017	.026	.032	.036	.025	.038	.017
Algeria.....	.010	.010	.007	.008	.012	.011	.012	.014	.012	.013	.002
Nigeria.....	.001	.001	.000	.000	.005	.016	.020	.023	.013	.025	.015
Imports from OPEC-South America											
Total.....	.011	.010	.010	.009	.009	.002	.003	.003	.000	.001	.012
Venezuela.....	.011	.010	.010	.009	.009	.002	.003	.003	.000	.001	.012
Imports from OPEC-Far East											
Total.....	.682	.673	.624	.533	.551	.488	.442	.380	.326	.329	.294
Indonesia.....	.682	.673	.624	.533	.551	.488	.442	.380	.326	.329	.294

^{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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.12 OECD Europe--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total Net Imports ^{1/}	8.604	8.837	8.745	8.552	7.775	7.652	7.829	7.841	8.406	7.684	7.813
Imports from OPEC ^{2/3/}	6.633	6.728	6.758	6.794	6.385	6.154	6.053	6.268	6.711	5.925	5.936
Imports from Persian Gulf ^{4/}											
Total ^{3/}	3.908	3.660	3.666	4.048	3.506	3.365	3.171	3.471	3.956	3.295	3.240
Bahrain	.020	.002	.003	.004	.003	.000	.001	.001	.004	.001	.002
Iran	1.190	1.132	1.113	1.253	1.074	1.149	1.059	.942	1.021	.938	.791
Iraq	.591	.000	.000	.001	.000	.000	.006	.337	.726	.808	.744
Kuwait	.346	.019	.142	.461	.302	.269	.288	.249	.275	.222	.259
U.A.E.	.446	.281	.199	.092	.067	.011	.004	.009	.019	.005	.028
Qatar	.026	.009	.006	.000	.000	.002	.002	.000	.000	.000	.003
Saudi Arabia	1.290	2.217	2.203	2.237	2.060	1.933	1.811	1.932	1.911	1.321	1.413
Imports from OPEC-Africa											
Total ^{3/}	2.509	2.818	2.818	2.491	2.644	2.500	2.644	2.575	2.521	2.414	2.506
Algeria	.683	.757	.772	.693	.690	.724	.746	.687	.719	.712	.817
Libya	1.267	1.332	1.361	1.193	1.233	1.201	1.204	1.269	1.300	1.256	1.210
Nigeria	.559	.729	.686	.605	.721	.575	.694	.620	.502	.446	.479
Imports from OPEC-South America											
Total ^{3/}	.227	.249	.268	.240	.219	.273	.206	.206	.215	.212	.190
Venezuela	.227	.249	.268	.240	.219	.273	.206	.206	.215	.212	.190
Imports from OPEC-Far East											
Total ^{3/}	.008	.002	.009	.019	.019	.017	.033	.017	.024	.005	.003
Indonesia	.008	.002	.009	.019	.019	.017	.033	.017	.024	.005	.003

1/ Data for 1990-1992 exclude Czech Republic.

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

3/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

4/ 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, 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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.13 France--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total Net Imports..	1.750	1.851	1.766	1.741	1.596	1.702	1.716	1.747	1.855	1.862	1.868
Imports from OPEC ^{1/}	1.101	1.021	.932	1.006	.956	.911	.897	.899	1.029	.915	.883
Imports from											
Persian Gulf ^{2/}											
Total.....	.864	.708	.640	.757	.651	.647	.573	.617	.730	.626	.601
Bahrain.....	.011	.000	.001	.002	.000	.000	.001	.000	.002	.001	.000
Iran.....	.182	.171	.151	.243	.156	.208	.172	.127	.157	.137	.102
Iraq.....	.062	.000	.000	.000	.000	.000	.000	.078	.171	.148	.148
Kuwait.....	.015	.011	.029	.032	.016	.022	.017	.017	.019	.036	.029
U.A.E.....	.233	.064	.033	.025	.003	.002	.001	.000	.012	.001	.007
Qatar.....	.022	.003	.002	.000	.000	.000	.000	.000	.000	.000	.002
Saudi Arabia.....	.339	.459	.424	.454	.477	.416	.381	.394	.369	.302	.314
Imports from OPEC-Africa											
Total.....	.233	.296	.281	.242	.301	.262	.323	.282	.301	.284	.277
Algeria.....	.092	.107	.105	.066	.089	.103	.105	.131	.115	.118	.123
Libya.....	.079	.104	.087	.063	.059	.043	.051	.060	.061	.067	.060
Nigeria.....	.062	.084	.090	.112	.153	.115	.168	.091	.126	.099	.094
Imports from											
OPEC-South America											
Total.....	.015	.017	.011	.010	.003	.002	.001	.000	.000	.002	.004
Venezuela.....	.015	.017	.011	.010	.003	.002	.001	.000	.000	.002	.004
Imports from OPEC-Far East											
Total.....	.000	.001	.001	.000	.000	.000	.000	.000	.000	.004	.001
Indonesia.....	.000	.001	.001	.000	.000	.000	.000	.000	.000	.004	.001

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

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

Notes: •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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.14 Germany--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total Net Imports..	2.202	2.642	2.714	2.697	2.704	2.673	2.766	2.778	2.860	2.608	2.561
Imports from OPEC ^{1/}	.771	.859	.957	.948	.838	.711	.660	.645	.656	.597	.595
Imports from											
Persian Gulf ^{2/}											
Total.....	.217	.227	.215	.250	.217	.172	.145	.157	.163	.140	.129
Bahrain.....	-	-	-	.000	.001	.000	.000	.000	.000	-	-
Iran.....	.055	.053	.021	.053	.040	.031	.018	.023	.020	.016	.018
Iraq.....	.004	.000	.000	.000	.000	.000	.000	.001	.020	.017	.004
Kuwait.....	.013	.000	.009	.022	.026	.015	.016	.012	.016	.015	.013
U.A.E.....	.016	.012	.002	.002	.001	.000	.000	.001	.000	.000	.000
Qatar.....	.003	.002	.001	.000	.000	.000	.000	.000	.000	-	-
Saudi Arabia.....	.125	.161	.182	.173	.149	.125	.111	.120	.106	.091	.093
Imports from OPEC-Africa											
Total.....	.465	.524	.614	.594	.543	.461	.462	.442	.447	.417	.431
Algeria.....	.098	.126	.183	.195	.161	.135	.125	.095	.127	.098	.147
Libya.....	.244	.262	.252	.244	.244	.234	.258	.246	.277	.296	.244
Nigeria.....	.123	.136	.179	.154	.139	.093	.079	.101	.043	.023	.040
Imports from											
OPEC-South America											
Total.....	.088	.107	.128	.105	.079	.078	.053	.046	.046	.041	.035
Venezuela.....	.088	.107	.128	.105	.079	.078	.053	.046	.046	.041	.035
Imports from OPEC-Far East											
Total.....	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.002	.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. •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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.15 Italy--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total Net Imports..	1.788	1.750	1.819	1.728	1.760	1.802	1.773	1.775	1.809	1.731	1.744
Imports from OPEC ^{1/}	1.375	1.393	1.343	1.222	1.117	1.203	1.244	1.353	1.421	1.234	1.288
Imports from Persian Gulf ^{2/}											
Total.....	.626	.595	.573	.548	.430	.494	.502	.583	.658	.570	.578
Bahrain.....	.000	.001	.001	.000	.000	.000	.001	.000	.002	.000	.000
Iran.....	.192	.231	.239	.221	.143	.233	.263	.258	.273	.269	.208
Iraq.....	.079	.000	.000	.000	.000	.000	.000	.033	.108	.130	.168
Kuwait.....	.063	.000	.007	.012	.001	.000	.000	.000	.000	.003	.031
U.A.E.....	.075	.044	.013	.002	.000	.000	.000	.000	.000	.000	.000
Qatar.....	.000	.004	.001	.000	.000	.002	.002	.000	.000	-	-
Saudi Arabia.....	.216	.315	.312	.313	.286	.260	.236	.291	.274	.169	.171
Imports from OPEC-Africa											
Total.....	.740	.793	.757	.653	.660	.679	.714	.745	.723	.655	.697
Algeria.....	.155	.155	.140	.096	.099	.100	.110	.086	.083	.111	.129
Libya.....	.556	.581	.584	.542	.543	.562	.580	.609	.601	.516	.546
Nigeria.....	.029	.057	.034	.015	.018	.017	.025	.050	.039	.027	.023
Imports from OPEC-South America											
Total.....	.007	.004	.005	.002	.007	.014	.008	.012	.020	.007	.011
Venezuela.....	.007	.004	.005	.002	.007	.014	.008	.012	.020	.007	.011
Imports from OPEC-Far East											
Total.....	.003	.001	.009	.019	.019	.015	.021	.014	.023	.001	.001
Indonesia.....	.003	.001	.009	.019	.019	.015	.021	.014	.023	.001	.001

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

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

Notes: •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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.16 Korea, South--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total Net Imports..	1.046	1.205	1.523	1.770	1.874	1.991	2.171	2.310	2.015	2.158	2.224
Imports from OPEC ^{1/}	NA	NA	NA	NA	NA	NA	NA	2.150	2.034	2.120	2.224
Imports from Persian Gulf ^{2/}											
Total.....	NA	NA	NA	NA	NA	NA	NA	1.892	1.859	1.893	2.053
Bahrain.....	NA	NA	NA	NA	NA	NA	NA	.015	.030	.015	.016
Iran.....	NA	NA	NA	NA	NA	NA	NA	.231	.213	.242	.247
Iraq.....	NA	NA	NA	NA	NA	NA	NA	.000	.014	.020	.049
Kuwait.....	NA	NA	NA	NA	NA	NA	NA	.226	.266	.266	.260
U.A.E.....	NA	NA	NA	NA	NA	NA	NA	.403	.393	.375	.442
Qatar.....	NA	NA	NA	NA	NA	NA	NA	.096	.109	.123	.150
Saudi Arabia.....	NA	NA	NA	NA	NA	NA	NA	.921	.834	.852	.890
Imports from OPEC-Africa											
Total.....	NA	NA	NA	NA	NA	NA	NA	.117	.069	.070	.034
Algeria.....	NA	NA	NA	NA	NA	NA	NA	.012	.008	.011	.006
Libya.....	NA	NA	NA	NA	NA	NA	NA	.001	.000	.000	.000
Nigeria.....	NA	NA	NA	NA	NA	NA	NA	.104	.061	.058	.028
Imports from OPEC-South America											
Total.....	NA	NA	NA	NA	NA	NA	NA	.001	.000	.002	.000
Venezuela.....	NA	NA	NA	NA	NA	NA	NA	.001	.000	.002	.000
Imports from OPEC-Far East											
Total.....	NA	NA	NA	NA	NA	NA	NA	.155	.136	.170	.152
Indonesia.....	NA	NA	NA	NA	NA	NA	NA	.155	.136	.170	.152

^{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 2000 are preliminary.

NA=Not available.

Sources: See end of Section 4.

Table 4.17 OECD Imports from Iraq, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Totall ^{1/}	1.276	0.000	0.000	0.001	0.000	0.000	0.007	0.460	1.124	1.727	1.582
United States ^{2/}.....	.518	.000	.000	.000	.000	.000	.001	.089	.336	.725	.620
Canada.....	.011	.000	.000	.000	.000	.000	.000	.014	.014	.027	.047
OECD Europe ^{3/4/}.....	.591	.000	.000	.001	.000	.000	.006	.337	.726	.808	.744
Main European Importers											
France.....	.062	.000	.000	.000	.000	.000	.000	.078	.171	.148	.148
Germany ^{5/}.....	.004	.000	.000	.000	.000	.000	.000	.001	.020	.017	.004
Italy.....	.079	.000	.000	.000	.000	.000	.000	.033	.108	.130	.168
Netherlands.....	.117	.000	.000	.000	.000	.000	.000	.024	.113	.170	.066
Spain.....	.063	.000	.000	.000	.000	.000	.002	.074	.130	.123	.122
European Net Exporters											
United Kingdom....	.027	.000	.000	.000	.000	.000	.000	.000	-	-	-
Smaller European Importers											
Austria.....	.000	.000	.000	.001	.000	.000	.000	.017	.031	.035	.030
Belgium.....	.029	.000	.000	.000	.000	.000	.000	.010	.047	.027	.037
Czech Republic ^{6/} ..	-	-	-	-	-	-	-	.002	.000	.000	.001
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
Greece.....	.044	.000	.000	.000	.000	.000	.000	.013	.013	.029	.037
Hungary ^{6/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Portugal.....	.019	.000	.000	.000	.000	.000	.000	.011	.029	.031	.017
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	-	.000	.007
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000
Turkey.....	.146	.000	.000	.000	.000	.000	.003	.074	.063	.097	.108
Japan.....	.146	.000	.000	.000	.000	.000	.000	.015	.017	.099	.072
Korea, South ^{6/}	-	-	-	-	-	-	-	.000	.014	.020	.049
Other OECD.....	.011	.000	.000	.000	.000	.000	.000	.005	.017	.048	.049

^{1/} Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

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

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

^{4/} Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

^{5/} Data for 1990 are for the former West Germany only.

^{6/} Data for 1990-1996 are not available.

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 2000 are preliminary.

Sources: See end of Section 4.

Table 4.18 OECD Imports from Kuwait, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Totall ^{1/}	0.740	0.039	0.414	1.191	1.081	0.997	1.034	1.291	1.356	1.258	1.331
United States ^{2/}....	.086	.006	.051	.353	.312	.218	.236	.253	.301	.248	.272
Canada.....	.004	-	-	.000	.027	.000	.000	.000	.000	.000	.000
OECD Europe ^{3/4/}....	.346	.019	.142	.461	.302	.269	.288	.249	.275	.222	.259
Main European Importers											
France.....	.015	.011	.029	.032	.016	.022	.017	.017	.019	.036	.029
Germany ^{5/}.....	.013	.000	.009	.022	.026	.015	.016	.012	.016	.015	.013
Italy.....	.063	.000	.007	.012	.001	.000	.000	.000	.000	.003	.031
Netherlands.....	.151	.002	.052	.254	.179	.176	.193	.168	.176	.142	.151
Spain.....	.010	.003	.000	.015	.000	.000	.000	.000	.000	.004	.002
European Net Exporters											
Norway.....	-	-	-	.000	.000	.000	.000	.000	.000	-	-
United Kingdom....	.045	.002	.027	.049	.058	.039	.032	.031	.025	.005	.016
Smaller European Importers											
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
Belgium.....	.000	.001	.006	.056	.005	.004	.015	.004	.014	.001	.000
Denmark.....	.034	.000	.000	.000	.000	.000	.000	.002	.007	.000	.004
Finland.....	-	.000	-	-	-	-	-	-	.001	.000	.000
Greece.....	.000	.000	.002	.005	.001	.000	.000	.000	.000	.001	.000
Portugal.....	.002	.000	.000	.000	.000	.000	.000	.000	-	-	-
Sweden.....	.001	.000	.000	.002	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	-	.000	.000	.000	.000	.000	.000	.000	.000	-	-
Turkey.....	.011	.000	.010	.016	.016	.014	.015	.014	.016	.015	.013
Japan.....	.291	.014	.220	.368	.430	.501	.500	.557	.507	.515	.536
Korea, South ^{6/}	-	-	-	-	-	-	-	.226	.266	.266	.260
Other OECD.....	.013	.000	.000	.009	.011	.009	.010	.006	.006	.007	.005

^{1/} Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

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

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

^{4/} Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

^{5/} Data for 1990 are for the former West Germany only.

^{6/} Data for 1990-1996 are not available.

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 2000 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 2000; • 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, November 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 2000.

Other OECD Countries: • 1973-1982: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • 1983-2000: OECD, Monthly Oil Statistics in the EIA, International Energy Database.

Oil Demand

United States: EIA, Petroleum Supply Annual 2000.

Other OECD Countries: • 1973-1981: OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Annual Oil Statistics data base, 1970-1979. • 1982-2000: OECD, Monthly Oil Statistics in the EIA International Energy Database.

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 2000.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD Monthly Oil Statistics database, 1991-2000.

Appendix A

Organizational and Geographical Definitions

Appendix A. Organizational and Geographical Definitions

International Energy Agency (IEA) countries are: Australia, Austria, Belgium, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States.

Organization for Economic Cooperation and Development (OECD) countries are: Australia, Austria, Belgium, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, South Korea, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States. Total OECD includes the United States Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). Total OECD excludes data for Slovakia which are not yet available.

OECD Europe countries are: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland, Turkey, and United Kingdom. OECD Europe excludes data for Slovakia which are not yet available.

Organization of Petroleum Exporting Countries (OPEC) members are: Algeria, 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, and as of December 31, 1994, Gabon withdrew its membership. For consistency, Ecuador and Gabon are 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 Monthly as a purely geographical expression, referring to the Commonwealth of Independent States (CIS), Georgia, and the three Baltic States (Estonia, Latvia, and Lithuania).

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 processing 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 Oil, Gas, Coal, & Electricity Quarterly Statistics, 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, in rail tank cars, in truck tank cars, in sea-going ships' bunkers, in service stations, retail stores and in 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 4.5 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of September 2001, United States (including territories) oil stocks totaled 1,426 million barrels.

Oil stock data are collected by the IEA from member governments in OECD countries. However, data for oil stocks for export, oil stocks afloat, and commercial floating oil stocks are not usually available from official national sources. The source of these data is Petroleum Economics Limited, *Oil Industry Developments*.

Data for on land stocks in countries outside the OECD are generally not available.

Note 3: Changes in Oil Demand (Consumption) Data Series

Starting with the November 2001 edition of the *International Petroleum Monthly*, petroleum statistics for 1997 and forward have been recalculated to account for more precise information available from the IEA. The changes in consumption include: enhancements to the accounting of backflows to refineries; the accounting for lubricants; improvements in the conversion factors for changing natural gas liquids and liquefied petroleum gases from metric tons to barrels; and the availability of monthly data for the Czech Republic, Hungary, Mexico, Poland, and South Korea. At this time, EIA does not have sufficiently detailed and consistent information to revise the OECD data series prior to 1997.

The revisions to 1997-2000 annual data for most countries were minor but six countries had changes of 25,000 barrels per day or more in one or more of those years. Italy had the largest revisions as estimated consumption was decreased by more than 125,000 barrels per day for each of the years 1997 through 1999. Canada's consumption was increased by over 80,000 barrels per day for each of the years between 1997 and 2000. South Korea's consumption was decreased in 1997 and 1998 (by 132,000 and

43,000 barrels per day, respectively) and increased in 1999 (by 35,000 barrels per day). Mexico's consumption was increased by 25,000 barrels per day in 1999; and, in 2000, consumption was increased by 37,000 barrels per day in Japan and by 25,000 barrels per day in the United Kingdom.

Though six countries had significant changes in estimated oil demand, the overall estimates of OECD oil demand changed only slightly between data using the older estimation methods and data using the newer estimation methods. The *International Energy Annual (IEA99)* – released in February 2001 – used the older methods. The *International Petroleum Monthly* – released in November 2001 – used the newer methods. Using the newer methods, the data for total OECD oil demand declined by 0.4 percent for 1997, declined by 0.1 percent for 1998, and rose by 0.2 percent for 1999.

Appendix C

Glossary

Appendix C. Glossary

Alcohol: The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group, $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$. Included are methanol, ethanol, and tertiary butyl alcohol.

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 exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface-separating facilities. Depending upon the characteristics of the crude stream, it may also include:

1. Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;
2. Small amounts of nonhydrocarbons produced with the oil, such as sulfur and various metals;
3. Drip gases, and liquid hydrocarbons produced from tar sands, Gilsonite, and oil shale.

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 mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas plant liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities.

Liquefied Petroleum Gases: A group of hydrogen-based gases derived from crude oil refining or natural gas fractionation. They include ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Natural Gas Plant Liquids: Those hydrocarbons in natural gas that are separated as liquids at downstream natural gas processing plants or at fractionating and cycling plants. Data on lease condensate are excluded. Products obtained include liquefied petroleum gases and pentanes plus.

Oil Stocks: Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products stored for future use. See Explanatory Note 2 in Appendix B.

Other Hydrocarbons: Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, Gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Oxygenates: Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Pentanes Plus: A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

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

Refinery Processing Gain: The amount by which the total volume of refinery output is greater than the total volume of refinery input for a given period of time. The processing gain arises when crude oil and other hydrocarbons are processed into petroleum products that are, on average, less dense than the input.

Refinery Processing Loss: The amount by which the total volume of refinery output is less than the total volume of refinery input for a given period of time. The processing loss arises when crude oil and other hydrocarbons are processed into petroleum 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. Demand numbers for 1999 and earlier years, for these countries, may be found in EIA's International Energy Annual 1999, published in February 2001, which is the most recent published edition of the International Energy Annual. EIA's WORLD ENERGY database contains final demand data for these countries for 1998, and preliminary demand data for them for 1999. Instructions for downloading this database may be found on EIA's home page (<http://www.eia.doe.gov/emeu/world/main1.html>). The status of the demand numbers shown in Section 2 of this current International Petroleum Monthly may be summarized as follows.

The OECD demand numbers are, as usual, based on the latest Monthly Oil Statistics data from the International Energy Agency.

For countries outside of the OECD, the following approach is used. The numbers for 1999 and earlier years match the demand numbers in the WORLD ENERGY database on EIA's home page. Numbers for 2000 forward 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 two largest non-OECD oil consumers are China and Russia. For these two 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 China and Russia implicitly exclude stock draw and refinery gain.

Appendix E

Conversions

Table E1. Refined Petroleum Products Conversion Factors

Product	Barrels per Metric Ton
Distillate Fuel Oil	7.46
Gasoline, Aviation	8.90
Gasoline, Motor	8.45
Jet Fuel, Kerosene-type	7.88
Jet Fuel, Naptha-type	8.25
Kerosene	7.88
Liquefied Petroleum Gas (LPG)	11.60
Miscellaneous Products	8.00
Naphthas	8.90
Natural Gas Liquids (NGL)	10.30
Petroleum Coke	5.50
Residual Fuel Oil	6.45

Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
North America										
Canada	7.186	7.186	7.186	7.186	7.186	7.186	7.186	7.186	7.186	7.186
Mexico	6.965	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
Central & South America										
Argentina	7.120	7.120	7.120	7.120	7.120	7.120	7.120	7.120	7.120	7.120
Bolivia	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881
Brazil	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056
Chile	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Colombia	7.080	7.080	7.080	7.080	7.080	7.080	7.080	7.080	7.080	7.080
Cuba	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
Peru	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407
Trinidad and Tobago	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
Venezuela	6.890	6.890	6.890	6.890	6.890	6.890	6.890	6.890	6.890	6.890
Western Europe										
Austria	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200
Denmark	7.405	7.405	7.405	7.405	7.405	7.405	7.405	7.405	7.405	7.405
France	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Germany	--	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330
Germany, East	7.340	--	--	--	--	--	--	--	--	--
Germany, West	7.247	--	--	--	--	--	--	--	--	--
Greece	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231
Italy	7.300	7.300	7.300	7.300	7.300	7.300	7.300	7.300	7.300	7.300
Netherlands	7.239	7.239	7.239	7.239	7.239	7.239	7.239	7.239	7.239	7.239
Norway	7.644	7.644	7.644	7.644	7.644	7.644	7.644	7.644	7.644	7.644
Spain	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Sweden	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.623
Turkey	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200
United Kingdom	7.523	7.523	7.523	7.523	7.523	7.523	7.523	7.523	7.523	7.523
Former Yugoslavia	7.418	7.418	--	--	--	--	--	--	--	--
Croatia	--	--	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Serbia and Montenegro	--	--	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Slovenia	--	--	--	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 1999. DOE/EIA-0219(99) (February 2001).

Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999 (continued)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Eastern Europe & Former U.S.S.R.										
Albania	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
Former Czechoslovakia	6.780	6.780	6.780	--	--	--	--	--	--	--
Czech Republic	--	--	--	6.780	6.780	6.780	6.780	6.780	6.780	6.780
Slovakia	--	--	--	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
Poland	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
Former U.S.S.R.	7.270	7.270	--	--	--	--	--	--	--	--
Azerbaijan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Belarus	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Georgia	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Lithuania	--	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Kazakhstan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Kyrgyzstan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Russia	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Tajikistan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Turkmenistan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Ukraine	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Uzbekistan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Middle East										
Bahrain	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Iran	7.350	7.350	7.350	7.350	7.350	7.350	7.350	7.350	7.350	7.350
Iraq	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430
Israel	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	7.190	7.190	7.190
Kuwait	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
Oman	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330
Qatar	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Saudi Arabia	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323
Syria	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290
United Arab Emirates	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596
Yemen	7.631	7.631	7.631	7.631	7.631	7.631	7.631	7.631	7.631	7.631

-- = No Production of this form of energy.

Sources: International Energy Annual 1999. DOE/EIA-0219(99) (February 2001).

Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999 (continued)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Africa										
Algeria	8.130	8.130	8.130	8.130	8.130	8.130	8.130	8.130	8.130	8.130
Angola	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.410	7.410	7.410
Benin	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
Congo (Brazzaville)	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Congo (Kinshasa)	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Cote d'Ivoire (Ivory Coast)	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Egypt	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.260	7.260	7.260
Equatorial Guinea	--	8.077	8.077	8.077	8.077	8.077	8.077	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
Ghana	--	--	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Libya	7.580	7.580	7.580	7.580	7.580	7.580	7.580	7.580	7.580	7.580
Morocco	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	7.500	7.500	7.500
South Africa	--	--	--	--	--	--	--	--	7.720	7.720
Sudan	--	--	7.452	7.452	7.452	7.452	7.452	7.452	7.452	7.452
Tunisia	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689
Far East & Oceania										
Australia	7.868	7.868	7.868	7.868	7.868	7.868	7.868	7.868	7.868	7.868
Bangladesh	7.453	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
Burma	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
China	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.300	7.300	7.300
India	7.440	7.440	7.440	7.440	7.440	7.440	7.440	7.330	7.330	7.330
Indonesia	7.360	7.360	7.360	7.360	7.360	7.360	7.360	7.360	7.360	7.360
Japan	7.357	7.357	7.357	7.357	7.357	7.357	7.357	7.357	7.357	7.357
Malaysia	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641
New Zealand	7.321	7.321	7.321	7.321	7.321	7.321	7.321	7.321	7.321	7.321
Pakistan	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	7.809	7.809	7.809	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
Taiwan	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
Vietnam	7.082	7.082	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 1999. DOE/EIA-0219(99) (February 2001).