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# International Petroleum Statistics Report

November 1996

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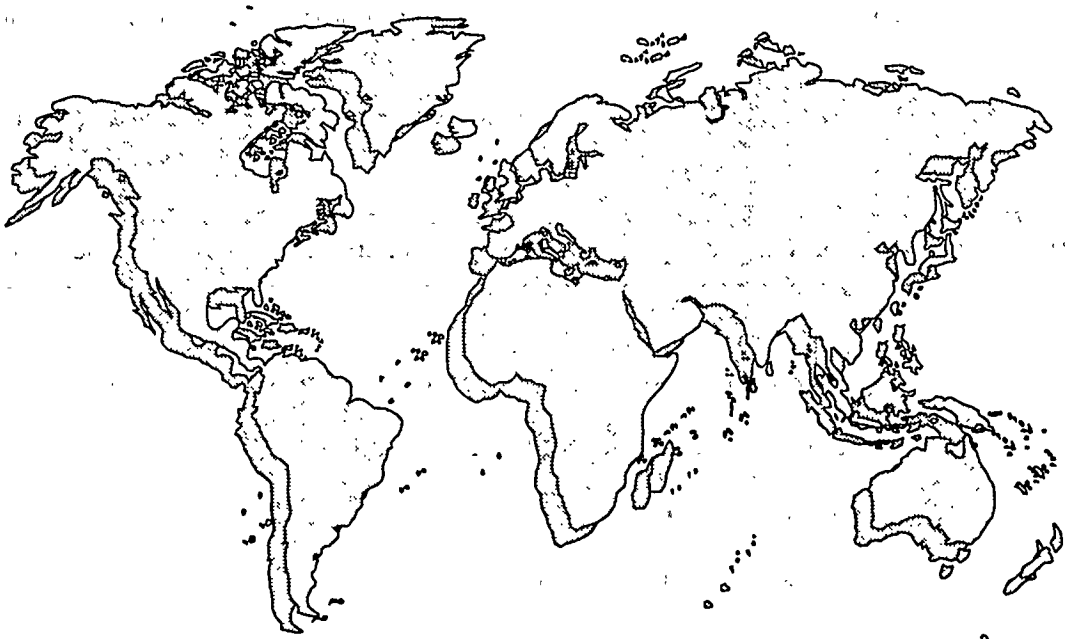

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# International Petroleum Statistics Report

## November 1996

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

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

# Preface

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

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

The International Petroleum Statistics Report presents data on international oil production, demand, imports, and stocks. The report has four sections. Section 1 contains time series data on world oil production, and on oil demand and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1985, and monthly data for the most recent two years. Section 2 presents an oil supply/demand balance for the world. This balance is presented in quarterly intervals for the most recent two years. Section 3 presents data on oil imports by OECD countries. This section contains annual data for the most recent year, quarterly data for the most recent two quarters, and monthly data for the most recent twelve months. Section 4 presents annual time series data on world oil production and oil stocks, demand, and trade in OECD countries. World oil production and OECD demand data are for the years 1970 through 1995; OECD stocks from 1973 through 1995; and OECD trade from 1985 through 1995.

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

General information about this publication may be obtained from W. Calvin Kilgore, Director, Office of Energy Markets and End Use, (202) 586-1617, and from Mark E. Rodekohr, Director, Energy Markets and Contingency Information Division, (202) 586-1130. Detailed questions and comments concerning the contents of the International Petroleum Statistics Report may be directed to Louis D. DeMouy, Chief, International Statistics Branch, (202) 586-6557; Michael J. Maloney (202) 586-9415, Patricia A. Smith (202) 586-6925, H. Vicky McLaine (202) 586-9412 or to Michael J. Grillot (202) 586-6577; Oil Market Chronology - Lowell Feld (202) 586-9502.

# Oil Market Chronology -- October 1996

*The following chronology lists international events of potential significance for world petroleum markets. Sources include: Dow Jones (DJ), Financial Times (FT), Middle East Economic Digest (MEES), New York Times (NYT), Platt's Oilgram News (PON), Wall Street Journal (WSJ), and the Washington Times (WT).*

**October 2** Yemen's Oil Ministry states that it is examining plans to build a 60,000-barrel-per-day refinery at Ras Katnib, northwest of Aden. The $250-million refinery project would be financed by private investors from Yemen and the Persian Gulf. It would be the first private investment in Yemen's downstream oil industry. A second phase would raise the refinery's capacity to 100,000 barrels per day. Yemen now has two refineries with a combined capacity of 110,000 barrels per day. The country's current crude oil production is approximately 350,000 barrels per day, of which 80,000 barrels per day is consumed domestically. (DJ)

**October 3** In Paris, Yemen and Eritrea sign an agreement to allow international arbitration of their territorial dispute over the Hunaish and Zuqar Islands. These islands are located in the Bab al-Mandab Strait at the mouth of the Red Sea. The dispute flared in December 1995 after Eritrea forcibly took control of Greater Hunaish Island. In August 1996, Eritrea seized Lesser Hunaish Island, but withdrew after French mediation efforts. The Bab al-Mandab is a strategic shipping lane and is also an area targeted for oil exploration by international companies. (MEES)

**October 4** U.S.-based Unocal and France's Total are sued in a federal court in Los Angeles for their alleged complicity in human rights abuses by Burma's military government. The plaintiffs state that the two companies had knowledge that the military was relocating villages, using forced labor, and committing a variety of abuses during efforts to clear a path for an onshore natural gas export pipeline. The companies maintain that no such actions have occurred along the pipeline route and that local workers are paid above average wages. The pipeline is part of a $1.2-billion project to carry 525 million cubic feet per day of natural gas from the 5.7-trillion-cubic-foot Yadana field to power companies in Thailand. Shipments will begin in 1998, after the anticipated completion of the onshore pipeline. (PON, DJ, FT)

Azerbaijan's parliament ratifies the $4-billion Shakh Deniz field development. The project is being undertaken by a consortium comprising British Petroleum (25.5 percent), Statoil (25.5 percent), Elf (10 percent), Lukoil (10 percent), Iran's OEIC (10 percent), Socar (10 percent), and TPAO (9 percent). The offshore Shakh Deniz field contains an estimated 1 billion barrels of oil and up to 17.6 trillion cubic feet of natural gas. (PON)

In Irian Jaya, Indonesia, British Gas says that its Mogoi Deep-1 well on its Muturi concession resulted in flow rates of 40 million cubic feet per day of natural gas. This find is the latest in a number of natural gas discoveries on the island in eastern Indonesia. U.S.-based Arco is planning to build a liquefied natural gas plant on Irian Jaya. It would be supplied with reserves from Arco's Wiriagar field, which may hold up to 12 trillion cubic feet of reserves. (PON)

**October 8** Kuwait Oil Company and Exxon sign a joint technical study agreement concerning possible development of the Karaa al-Maru oil field in northwestern Kuwait. The field contains estimated reserves of between 300 to 350 million barrels of light 49° API crude oil. This would be the first development of oil fields in this region of Kuwait. While Kuwait's upstream sector remains closed to foreign investment, several other foreign oil companies have technical service agreements with the government. These companies include British Petroleum, Chevron, and Royal Dutch/Shell. (PON)

Qatari Foreign Minister Hamed Ben Jasem al-Thani states that his country has frozen all business dealings with Israel because of lack of progress in the Middle East peace process. Earlier in the year, Enron had proposed constructing a terminal at the Israeli port of Eilat on the Gulf of Aqaba to receive liquefied natural gas from the company's planned project in Qatar. (PON)

After more than a year of review, Oman cancels its plans to build a $10-billion, 1-billion-cubic-foot-per-day pipeline to supply India with natural gas. The pipeline faced technical and cost problems, since it would have been laid at underwater depths of up to 13,500 feet. Also, Oman is planning to build a liquefied natural gas export facility, and questions were raised as to whether the country's natural gas reserves could support both projects. Oman's proven natural gas reserves are around 25 trillion cubic feet. (FT)

**October 9** In Congo, France's Elf Aquitaine states that its Moho Marine structure may contain larger reserves than the 440-million-barrel N'Kossa field, the country's largest. The Moho Marine is located offshore and is under development by a consortium comprising Elf (51%), Chevron (30%), Hydro-Congo (15%), and Energy Africa (4%). In 1996, the Elf-led consortium brought N'Kossa online with 50,000 barrels per day of output. This has boosted Congo's total oil production to approximately 225,000 barrels per day.

In southern Algeria, the Armed Islamic Group blocks a road near Laghouat inside the Hassi R'Mel security zone and allegedly kills 34 people after their vehicles are stopped at a false police checkpoint. In April 1995, the government created four "exclusion zones" to protect oil and gas facilities and personnel in the producing centers of El Oued, Laghouat, Illizi, and Ouargla. Within these zones, traffic and shipments are regulated by army and police units. The conflict in Algeria, which began in 1992, has claimed an estimated 60,000 lives. (MEES)

In Venezuela, PDVSA President Luis Giusti announces that the state-owned oil company's third round of marginal field bidding will involve 20 fields in Monagas, Anzoategui, and Western Venezuela. Giusti also states that this round will differ from the previous two in that it will involve already producing oil fields as well as those in need of secondary recovery technology. This third round marks continuing efforts by PDVSA to boost oil production above the current 3-million-barrels-per-day rate. (PON)

**October 10** Workers employed by Bolivia's state-owned oil company, YPFB, stage a 24-hour strike to demand passage of a new land reform bill. The strike shuts down the country's three refineries, which have a combined capacity of 45,000 barrels per day. (DJ)

**October 11** In Georgia, the 11-member Azerbaijan International Operating Company (AIOC), which includes British Petroleum, Amoco, and Exxon, sign a pipeline engineering contract with John Brown Engineers and Constructors, a British subsidiary of Norway's Kvaerner. The $300-million pipeline project will involve renovating an existing line that links Baku to Supsa, on the Black Sea. The pipeline will have a new capacity of 105,000 barrels per day and will be completed in 1998. It will be used to carry a fraction of the anticipated oil exports from AIOC's $8-billion, 4-billion-barrel Azeri, Chirag, and Guneshli field development. AIOC still has not reached a decision on the route for the main 700,000-barrel-per-day export pipeline. (WSJ)

**October 14** After months of protests by workers, Mexico's state-owned oil company, Pemex, cancels further plans to privatize its 61 state-owned petrochemical processing plants. Alternatively, Pemex plans to raise capital by creating subsidiaries to manage the 61 plants. Subsequently, it will sell off 49 percent of its ownership in the subsidiaries. A previous effort to sell the plants was canceled in 1992. (NYT)

**October 16** In Geneva, the United Nations (U.N.) Compensation Committee rejects an Iraqi request to use revenues from the proposed oil sales under U.N. Resolution 986 to fund a legal defense against claims resulting from the 1991 Gulf War. Resolution 986 would allow Iraq to sell up to $1 billion worth of oil every six months. The deal originally was delayed by Iraq's incursion into the Kurdish safe haven zone in September 1996. More recently, the United States has requested time to review the pricing structure for the Iraqi oil sales. (DJ)

**October 18** After four years of development, U.S.-based Occidental writes off its $105-million investment in an exploration and production joint venture in the Komi Republic in Russia's Arctic region. The move was made due to continued high taxes, tariffs, and transportation fees imposed by both the Russian National and local governments. In addition, the recent increase in world oil prices has resulted in decreased access to Russia's export pipeline network for foreign ventures. (PON)

**October 24** The Latvian parliament ratifies the government's oil exploration deal with U.S.-based Amoco and Sweden's OPAB. The agreement covers exploration of the offshore Dalders prospect, which is located in territory claimed by neighboring Lithuania. Lithuania's government previously has stated that it will not respect the Amoco/OPAB agreement. If the dispute between the two countries is resolved, Amoco/OPAB plan to drill an exploratory well in early 1997. Exploration and appraisal costs could total from $7 to $30 million. (DJ)

**October 27** The London press reports that the favored solution for disposal of the Brent Spar oil storage platform is to turn it into a tourist attraction within the Morecambe Bay wildlife resort in Cumbria, England. The 30 proposals now under review by the U.K. government mostly involve onshore disposal and recycling. However, a British company, Amec, proposes cutting the Spar in two and creating a wildlife viewing platform that would include glass elevators. In 1996, Shell's planned offshore disposal sparked controversy after Greenpeace claims, which were later retracted, that the buoy contained toxic waste. (DJ)

**October 28** In the Falkland Islands, exploration licenses are awarded from the country's first bidding round that was launched in October 1995. While 19 offshore tracts located north and south of the Islands were on offer, companies only bid on seven northern concessions. Acreage was awarded to U.S.-based Murphy, Fina, International Petroleum Corporation, Clyde, Lasmo, and Sands Petroleum, among others. Neither British Gas nor Argentina's YPF received acreage. The concessions offered in this bidding round are separate from the Special Area of Co-operation that recently was established between Britain and Argentina. This area lies to the west of the Falklands. (DJ, FT)

**October 30** In Burma, a consortium comprising Texaco (50%), Premier (30%), and Nippon (20%) signs a memorandum of understanding (MOU) to supply Thailand with natural gas from Burma's offshore Yetagun field. Under the terms of the MOU, the Texaco-led consortium will supply Thailand with 200 milliom cubic feet per day of natural gas starting in 1999. Although the 1.5-trillion-cubic-foot Yetagun field is located to the southeast of Unocal/Total's Yadana development, the field's onshore pipeline segment will run in the vicinity of the Yadana pipeline. (FT)

Ukraine and Russia agree to negotiate a long-term natural gas deal which would fix supplies and prices over a 20-year period. At present, Ukraine owes Russia $1.4 billion for past natural gas deliveries. A supply deal for 1997 also has not been reached. In 1997, Ukraine hopes to increase its purchases of Russian natural gas to 2.06 trillion cubic feet, up from 1.85 trillion cubic feet in 1996. (DJ)

Exxon confirms that it is in talks with state-owned Qatar General Petroleum Corporation concerning the application of new technology to convert natural gas to petroleum products. Exxon believes that technology developed in a successful 200-barrel-per-day "natural gas refinery" project in Texas would work in Qatar, where a proposed $1-billion plant would be able produce between 50,000 and 100,000 barrels per day of middle distillate products. Under the proposal, Qatar's 270-trillion-cubic-foot North field would supply between 0.5 and 1 billion cubic feet per day of natural gas for use as feedstock. In the past, technological barriers and high costs have precluded the development of natural gas refineries. (WSJ)

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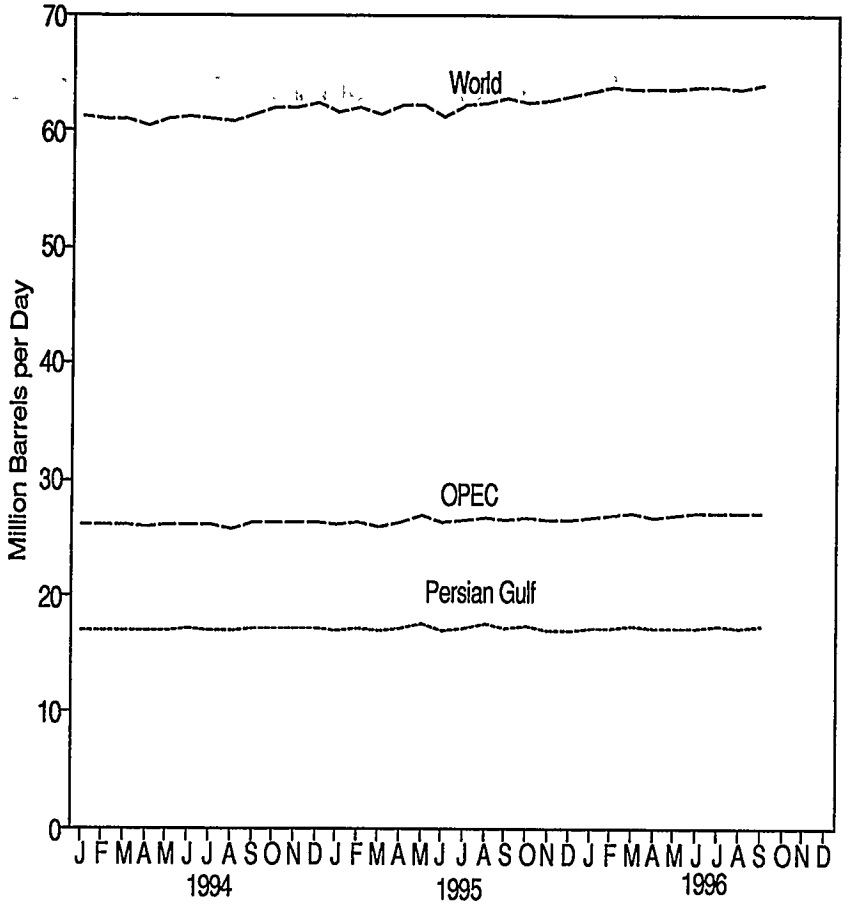
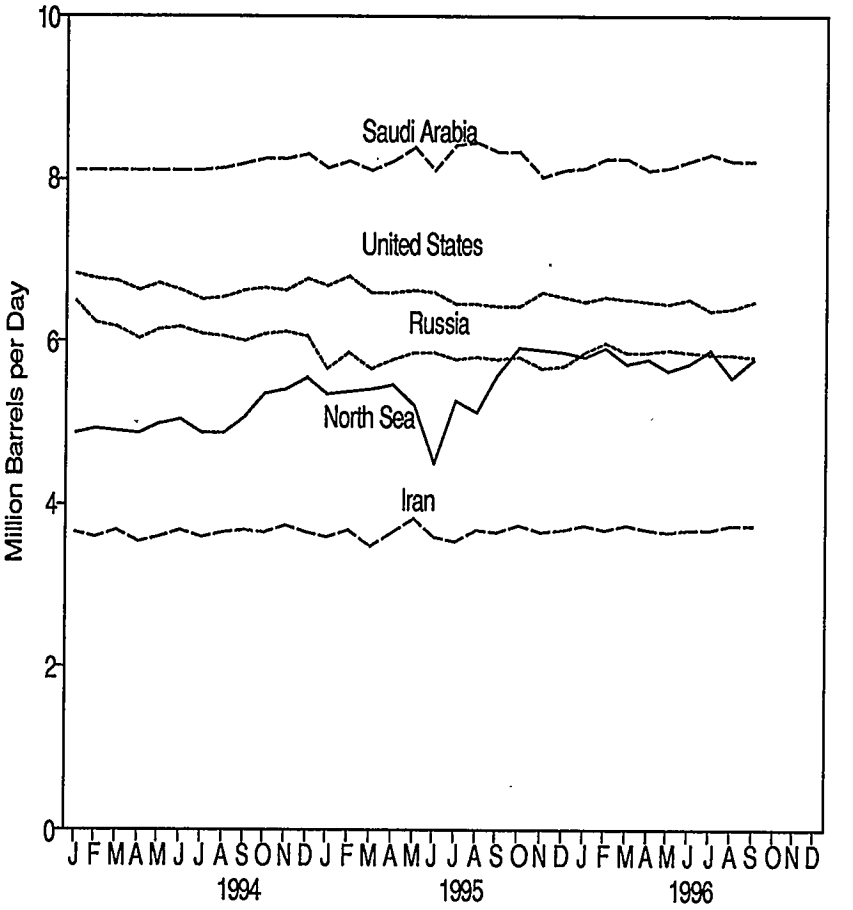
# 1. Annual and Monthly Oil Data

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



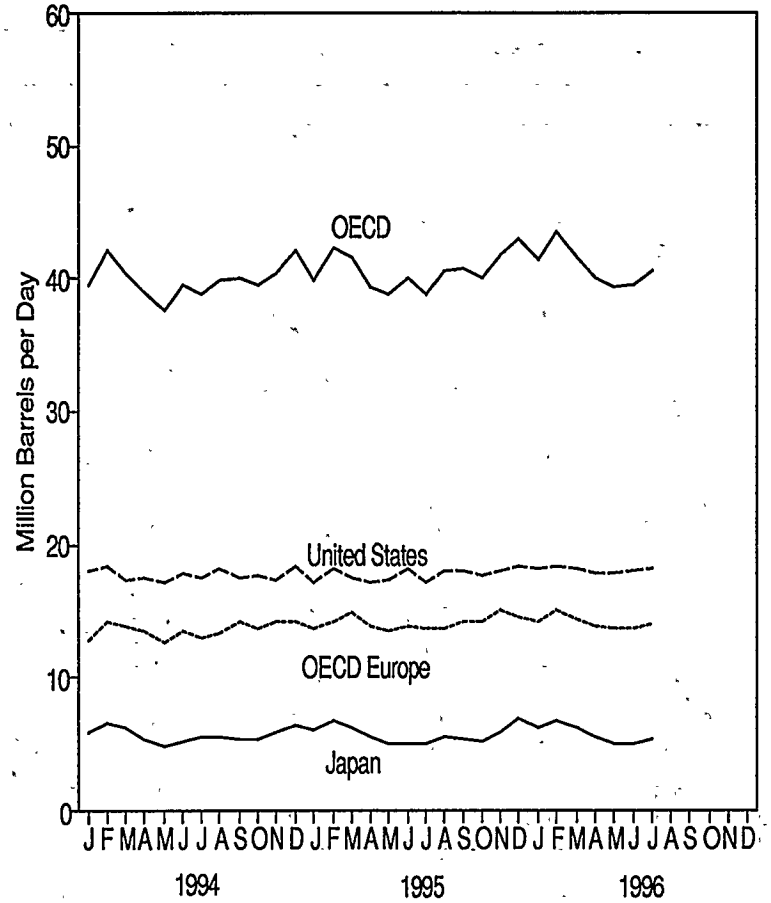

Source: Tables 1.1a-1.1c

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



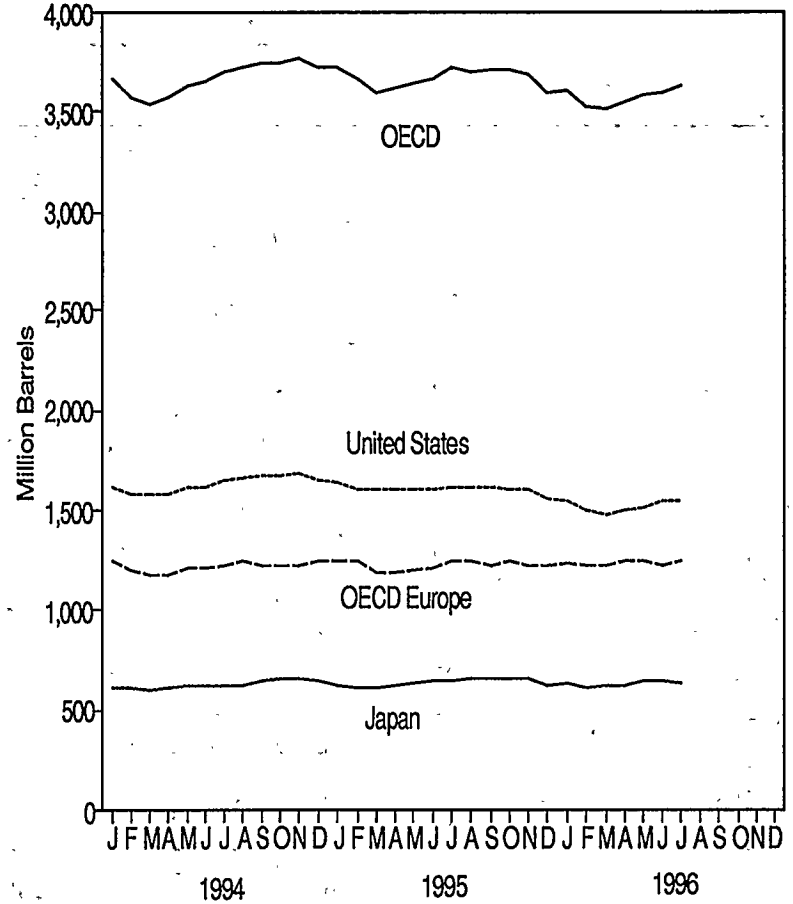

Source: Tables 1.1a-1.1c

**Figure 3. OECD Oil Consumption, Monthly**




Source: Table 1.7

**Figure 4. OECD Oil Stocks, Monthly**




Source: Table 1.5

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

| | Algeria | Gabon | Indo-nesia | Iran | Iraq | Kuwait1/ | Libya | Nigeria | Qatar | Saudi Arabia1/ | United Arab Emirates | Vene-zuela | Total OPEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1985 Average..... | 1,037 | 172 | 1,325 | 2,250 | 1,433 | 1,023 | 1,059 | 1,495 | 301 | 3,388 | 1,193 | 1,677 | 16,353 |
| 1986 Average..... | 945 | 166 | 1,390 | 2,035 | 1,690 | 1,419 | 1,034 | 1,467 | 308 | 4,870 | 1,330 | 1,787 | 18,441 |
| 1987 Average..... | 1,048 | 155 | 1,343 | 2,298 | 2,079 | 1,585 | 972 | 1,341 | 293 | 4,265 | 1,541 | 1,752 | 18,672 |
| 1988 Average..... | 1,040 | 159 | 1,342 | 2,240 | 2,685 | 1,492 | 1,175 | 1,450 | 346 | 5,086 | 1,565 | 1,903 | 20,483 |
| 1989 Average..... | 1,095 | 208 | 1,409 | 2,810 | 2,897 | 1,783 | 1,150 | 1,716 | 380 | 5,064 | 1,860 | 1,907 | 22,279 |
| 1990 Average..... | 1,175 | 270 | 1,462 | 3,088 | 2,040 | 1,175 | 1,375 | 1,810 | 406 | 6,410 | 2,117 | 2,137 | 23,465 |
| 1991 Average..... | 1,230 | 294 | 1,592 | 3,312 | 305 | 190 | 1,483 | 1,892 | 395 | 8,115 | 2,386 | 2,375 | 23,569 |
| 1992 Average..... | 1,214 | 298 | 1,504 | 3,429 | 425 | 1,058 | 1,433 | 1,943 | 423 | 8,332 | 2,266 | 2,371 | 24,695 |
| 1993 Average..... | 1,162 | 313 | 1,511 | 3,540 | 512 | 1,852 | 1,361 | 1,960 | 413 | 8,198 | 2,159 | 2,450 | 25,431 |
| 1994 Average..... | 1,180 | 329 | 1,514 | 3,635 | 553 | 2,034 | 1,378 | 2,037 | 444 | 8,147 | 2,263 | 2,588 | 26,101 |
| 1995 January..... | 1,180 | 335 | 1,520 | 3,585 | 555 | 2,070 | 1,390 | 2,000 | 455 | 8,120 | 2,280 | 2,600 | 26,090 |
| February..... | 1,180 | 335 | 1,500 | 3,685 | 555 | 2,070 | 1,390 | 1,980 | 475 | 8,220 | 2,280 | 2,600 | 26,270 |
| March..... | 1,180 | 335 | 1,510 | 3,485 | 555 | 2,060 | 1,390 | 1,890 | 485 | 8,110 | 2,280 | 2,600 | 25,880 |
| April..... | 1,180 | 335 | 1,510 | 3,635 | 555 | 2,070 | 1,390 | 2,050 | 485 | 8,220 | 2,280 | 2,670 | 26,380 |
| May..... | 1,180 | 335 | 1,510 | 3,835 | 555 | 2,050 | 1,390 | 2,080 | 485 | 8,400 | 2,280 | 2,790 | 26,890 |
| June..... | 1,180 | 335 | 1,510 | 3,585 | 555 | 2,050 | 1,390 | 1,960 | 485 | 8,100 | 2,280 | 2,790 | 26,220 |
| July..... | 1,210 | 335 | 1,510 | 3,535 | 555 | 2,060 | 1,390 | 1,980 | 485 | 8,410 | 2,280 | 2,790 | 26,540 |
| August..... | 1,210 | 350 | 1,510 | 3,685 | 555 | 2,075 | 1,390 | 2,035 | 485 | 8,425 | 2,280 | 2,790 | 26,790 |
| September..... | 1,210 | 350 | 1,510 | 3,635 | 555 | 2,035 | 1,390 | 2,040 | 485 | 8,315 | 2,280 | 2,790 | 26,595 |
| October..... | 1,210 | 350 | 1,560 | 3,735 | 555 | 2,065 | 1,390 | 2,060 | 485 | 8,315 | 2,280 | 2,840 | 26,845 |
| November..... | 1,220 | 350 | 1,560 | 3,635 | 555 | 2,070 | 1,390 | 2,110 | 495 | 8,020 | 2,280 | 2,840 | 26,525 |
| December..... | 1,220 | 350 | 1,560 | 3,685 | 555 | 2,015 | 1,390 | 2,145 | 495 | 8,110 | 2,215 | 2,890 | 26,630 |
| 1995 Average..... | 1,197 | 341 | 1,523 | 3,643 | 555 | 2,057 | 1,390 | 2,028 | 483 | 8,231 | 2,274 | 2,750 | 26,473 |
| 1996 January..... | 1,220 | 360 | 1,540 | 3,735 | 555 | 2,038 | 1,400 | 2,160 | 500 | 8,118 | 2,290 | 2,940 | 26,855 |
| February..... | 1,220 | 360 | 1,540 | 3,685 | 555 | 2,057 | 1,400 | 2,180 | 500 | 8,248 | 2,265 | 2,940 | 26,950 |
| March..... | 1,210 | 370 | 1,540 | 3,715 | 555 | 2,057 | 1,400 | 2,190 | 500 | 8,248 | 2,285 | 2,990 | 27,060 |
| April..... | 1,230 | 370 | 1,530 | 3,685 | 555 | 2,067 | 1,400 | 2,160 | 505 | 8,088 | 2,250 | 2,990 | 26,830 |
| May..... | 1,245 | 370 | 1,530 | 3,635 | 555 | 2,055 | 1,400 | 2,200 | 505 | 8,135 | 2,275 | 2,990 | 26,895 |
| June..... | 1,250 | 370 | 1,550 | 3,685 | 555 | 2,065 | 1,400 | 2,200 | 505 | 8,195 | 2,270 | 2,990 | 27,035 |
| July..... | 1,250 | 370 | 1,520 | 3,685 | 555 | 2,065 | 1,400 | 2,170 | 505 | 8,295 | 2,260 | 3,040 | 27,115 |
| August..... | 1,250 | 370 | 1,540 | 3,715 | 555 | 2,040 | 1,400 | 2,190 | 505 | 8,220 | 2,260 | 3,090 | 27,135 |
| September..... | 1,250 | 370 | 1,560 | 3,735 | 555 | 2,070 | 1,400 | 2,150 | 525 | 8,200 | 2,310 | 3,090 | 27,215 |
| 1996 Average..... | 1,236 | 368 | 1,539 | 3,697 | 555 | 2,057 | 1,400 | 2,178 | 506 | 8,194 | 2,274 | 3,007 | 27,010 |

1/ Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In September 1996, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 500 thousand barrels per day.

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

Sources: See end of Section 1.

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

| | Norway | United Kingdom | North Sea1/ | Angola | Argen-tina | Austra-lia | Brazil | Canada | China | Colombia | Ecuador |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1985 Average..... | 788 | 2,530 | 3,417 | 231 | 460 | 575 | 564 | 1,471 | 2,505 | 176 | 281 |
| 1986 Average..... | 870 | 2,539 | 3,547 | 282 | 434 | 520 | 572 | 1,474 | 2,620 | 305 | 293 |
| 1987 Average..... | 1,022 | 2,406 | 3,584 | 360 | 428 | 547 | 566 | 1,535 | 2,690 | 385 | 174 |
| 1988 Average..... | 1,158 | 2,232 | 3,540 | 452 | 449 | 538 | 554 | 1,616 | 2,730 | 378 | 302 |
| 1989 Average..... | 1,554 | 1,802 | 3,515 | 455 | 460 | 490 | 596 | 1,560 | 2,757 | 403 | 279 |
| 1990 Average..... | 1,704 | 1,820 | 3,667 | 475 | 483 | 575 | 631 | 1,553 | 2,774 | 440 | 285 |
| 1991 Average..... | 1,890 | 1,797 | 3,811 | 500 | 485 | 545 | 630 | 1,548 | 2,835 | 419 | 299 |
| 1992 Average..... | 2,230 | 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 | 538 | 650 | 536 | 671 | 1,793 | 2,939 | 455 | 379 |
| 1995 January..... | 2,660 | 2,520 | 5,341 | 580 | 700 | 575 | 710 | 1,792 | 2,950 | 500 | 400 |
| February..... | 2,605 | 2,610 | 5,368 | 580 | 700 | 550 | 710 | 1,774 | 3,000 | 540 | 400 |
| March..... | 2,680 | 2,565 | 5,399 | 610 | 700 | 540 | 685 | 1,739 | 3,000 | 550 | 400 |
| April..... | 2,735 | 2,570 | 5,456 | 630 | 710 | 550 | 700 | 1,811 | 3,000 | 550 | 400 |
| May..... | 2,750 | 2,305 | 5,201 | 645 | 710 | 550 | 330 | 1,754 | 2,980 | 560 | 400 |
| June..... | 2,480 | 1,855 | 4,486 | 660 | 710 | 580 | 710 | 1,847 | 2,980 | 605 | 390 |
| July..... | 2,765 | 2,350 | 5,253 | 660 | 720 | 595 | 750 | 1,843 | 2,980 | 615 | 385 |
| August..... | 2,560 | 2,405 | 5,107 | 660 | 720 | 600 | 760 | 1,805 | 3,015 | 620 | 375 |
| September..... | 2,775 | 2,655 | 5,581 | 655 | 720 | 605 | 730 | 1,890 | 3,070 | 645 | 390 |
| October..... | 3,030 | 2,740 | 5,924 | 690 | 720 | 570 | 755 | 1,840 | 3,070 | 635 | 390 |
| November..... | 3,060 | 2,685 | 5,889 | 690 | 720 | 500 | 750 | 1,840 | 3,070 | 605 | 385 |
| December..... | 3,095 | 2,615 | 5,854 | 690 | 720 | 525 | 760 | 1,870 | 3,070 | 640 | 390 |
| 1995 Average..... | 2,768 | 2,489 | 5,406 | 646 | 713 | 562 | 695 | 1,817 | 3,015 | 589 | 392 |
| 1996 January..... | 3,085 | 2,600 | 5,819 | 705 | 710 | 530 | 770 | 1,775 | 3,115 | 620 | 390 |
| February..... | 3,165 | 2,625 | 5,935 | 705 | 710 | 560 | 785 | 1,705 | 3,100 | 620 | 390 |
| March..... | 2,990 | 2,570 | 5,715 | 700 | 720 | 580 | 775 | 1,800 | 3,050 | 635 | 390 |
| April..... | 3,160 | 2,467 | 5,768 | 715 | 750 | 610 | 805 | 1,840 | 3,020 | 605 | 390 |
| May..... | 2,980 | 2,512 | 5,636 | 715 | 750 | 610 | 805 | 1,755 | 3,195 | 605 | 390 |
| June..... | 3,150 | 2,457 | 5,719 | 715 | 750 | 575 | 805 | 1,815 | 3,205 | 605 | 390 |
| July..... | 3,201 | 2,537 | 5,884 | 715 | 760 | 600 | 795 | R1,795 | R3,150 | 615 | 390 |
| August..... | 3,022 | 2,385 | 5,559 | 715 | 760 | 600 | 795 | R1,840 | R3,130 | 630 | R375 |
| September..... | 3,095 | 2,517 | 5,774 | 715 | 760 | 600 | 815 | 1,840 | 3,130 | 630 | 375 |
| 1996 Average..... | 3,093 | 2,519 | 5,755 | 711 | 741 | 585 | 794 | 1,796 | 3,122 | 618 | 387 |

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), 1985-Present
(Thousand Barrels per Day)

| | Egypt | India | Malaysia | Mexico | Oman | Russia | Former U.S.S.R. | Syria | United States | Other1/ | World |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1985 Average..... | 887 | 620 | 440 | 2,745 | 498 | -- | 11,585 | 178 | 8,971 | 2,124 | 53,982 |
| 1986 Average..... | 813 | 630 | 504 | 2,435 | 560 | -- | 11,895 | 194 | 8,680 | 2,166 | 56,227 |
| 1987 Average..... | 896 | 609 | 497 | 2,548 | 582 | -- | 12,050 | 230 | 8,349 | 2,120 | 56,666 |
| 1988 Average..... | 848 | 635 | 540 | 2,512 | 617 | -- | 12,053 | 265 | 8,140 | 2,235 | 58,737 |
| 1989 Average..... | 865 | 700 | 585 | 2,520 | 641 | -- | 11,715 | 340 | 7,613 | 2,249 | 59,863 |
| 1990 Average..... | 873 | 660 | 619 | 2,553 | 685 | -- | 10,975 | 388 | 7,355 | 2,253 | 60,566 |
| 1991 Average..... | 874 | 615 | 646 | 2,680 | 700 | -- | 9,992 | 492 | 7,417 | 2,274 | 60,207 |
| 1992 Average..... | 881 | 561 | 653 | 2,669 | 740 | 7,632 | -- | 481 | 7,171 | 3,233 | 60,216 |
| 1993 Average..... | 890 | 534 | 640 | 2,673 | 776 | 6,730 | -- | 554 | 6,847 | 3,288 | 60,246 |
| 1994 Average..... | 896 | 590 | 645 | 2,689 | 815 | 6,135 | -- | 560 | 6,662 | 3,408 | 61,358 |
| 1995 January..... | 920 | 695 | 650 | 2,680 | 845 | 5,675 | -- | 615 | 6,682 | 3,394 | 61,633 |
| February..... | 920 | 685 | 680 | 2,645 | 845 | 5,860 | -- | 615 | 6,794 | 3,364 | 62,148 |
| March..... | 920 | 695 | 680 | 2,670 | 845 | 5,675 | -- | 615 | 6,600 | 3,360 | 61,409 |
| April..... | 920 | 700 | 680 | 2,670 | 850 | 5,767 | -- | 610 | 6,604 | 3,369 | 62,206 |
| May..... | 920 | 715 | 680 | 2,680 | 850 | 5,860 | -- | 610 | 6,629 | 3,387 | 62,205 |
| June..... | 920 | 720 | 680 | 2,700 | 850 | 5,856 | -- | 610 | 6,579 | 3,389 | 61,340 |
| July..... | 920 | 720 | 690 | 2,705 | 850 | 5,776 | -- | 610 | 6,449 | 3,381 | 62,304 |
| August..... | 920 | 715 | 690 | 2,710 | 850 | 5,820 | -- | 610 | 6,447 | 3,349 | 62,421 |
| September.... | 920 | 720 | 690 | 2,740 | 850 | 5,789 | -- | 610 | 6,416 | 3,360 | 62,825 |
| October..... | 920 | 690 | 690 | 1,900 | 860 | 5,798 | -- | 605 | 6,421 | 3,319 | 62,489 |
| November..... | 920 | 685 | 690 | 2,555 | 860 | 5,662 | -- | 605 | 6,585 | 3,303 | 62,695 |
| December..... | 920 | 700 | 690 | 2,765 | 860 | 5,684 | -- | 605 | 6,530 | 3,325 | 63,084 |
| 1995 Average..... | 920 | 703 | 682 | 2,618 | 851 | 5,768 | -- | 610 | 6,560 | 3,358 | 62,230 |
| 1996 January..... | 920 | 675 | 680 | 2,795 | 865 | 5,864 | -- | 605 | E6,495 | 3,323 | 63,378 |
| February..... | 920 | 700 | 680 | 2,800 | 865 | 5,970 | -- | 605 | E6,550 | 3,347 | 63,752 |
| March..... | 920 | 665 | 680 | 2,870 | 870 | 5,856 | -- | 605 | E6,516 | 3,321 | 63,573 |
| April..... | 920 | 685 | 700 | 2,860 | 880 | 5,864 | -- | 600 | E6,479 | 3,338 | 63,519 |
| May..... | 920 | 660 | 700 | 2,875 | 880 | 5,891 | -- | 600 | E6,443 | 3,349 | 63,530 |
| June..... | 920 | 650 | 700 | 2,880 | 880 | 5,864 | -- | 600 | E6,502 | 3,353 | 63,851 |
| July..... | 920 | R625 | 700 | 2,870 | R890 | 5,838 | -- | 600 | E6,383 | R3,413 | R63,911 |
| August..... | 920 | R625 | 700 | 2,830 | R890 | 5,834 | -- | 600 | RE6,389 | R3,424 | R63,599 |
| September.... | 920 | 625 | 700 | 2,860 | 890 | 5,820 | -- | 600 | PE6,494 | 3,433 | 64,034 |
| 1996 Average..... | 920 | 656 | 693 | 2,849 | 879 | 5,866 | -- | 602 | PE6,472 | 3,367 | 63,681 |

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), 1985–Present
(Thousand Barrels per Day)

| | Algeria | Gabon | Indonesia | Iran | Iraq | Kuwait1/ | Libya | Nigeria | Qatar | Saudi Arabia1/ | United Arab Emirates | Venezuela | Total OPEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1985 Average... | 702 | 172 | 1,181 | 2,250 | 1,433 | 1,023 | 1,059 | 1,475 | 301 | 3,388 | 1,133 | 1,558 | 15,675 |
| 1986 Average... | 600 | 166 | 1,257 | 2,035 | 1,690 | 1,419 | 1,034 | 1,447 | 308 | 4,870 | 1,270 | 1,645 | 17,741 |
| 1987 Average... | 648 | 155 | 1,189 | 2,298 | 2,079 | 1,585 | 972 | 1,291 | 293 | 4,265 | 1,441 | 1,587 | 17,803 |
| 1988 Average... | 640 | 159 | 1,177 | 2,240 | 2,685 | 1,492 | 1,175 | 1,400 | 346 | 5,086 | 1,465 | 1,715 | 19,580 |
| 1989 Average... | 690 | 208 | 1,231 | 2,810 | 2,897 | 1,783 | 1,150 | 1,666 | 380 | 5,064 | 1,783 | 1,747 | 21,409 |
| 1990 Average... | 765 | 277 | 1,281 | 3,088 | 2,040 | 1,175 | 1,375 | 1,755 | 406 | 6,410 | 2,066 | 2,097 | 22,735 |
| 1991 Average... | 800 | 294 | 1,410 | 3,312 | 305 | 190 | 1,483 | 1,832 | 395 | 8,115 | 2,326 | 2,338 | 22,800 |
| 1992 Average... | 772 | 298 | 1,326 | 3,429 | 425 | 1,058 | 1,433 | 1,820 | 423 | 8,332 | 2,206 | 2,334 | 23,856 |
| 1993 Average... | 747 | 313 | 1,327 | 3,540 | 512 | 1,852 | 1,361 | 1,835 | 413 | 8,198 | 2,109 | 2,410 | 24,617 |
| 1994 Average... | 750 | 329 | 1,334 | 3,600 | 548 | 2,034 | 1,378 | 1,887 | 409 | 8,147 | 2,183 | 2,542 | 25,141 |
| 1995 January... | 750 | 335 | 1,340 | 3,550 | 550 | 2,070 | 1,390 | 1,850 | 420 | 8,120 | 2,200 | 2,560 | 25,135 |
| February.. | 750 | 335 | 1,320 | 3,650 | 550 | 2,070 | 1,390 | 1,830 | 440 | 8,220 | 2,200 | 2,560 | 25,315 |
| March..... | 750 | 335 | 1,330 | 3,450 | 550 | 2,060 | 1,390 | 1,740 | 450 | 8,110 | 2,200 | 2,560 | 24,925 |
| April..... | 750 | 335 | 1,330 | 3,600 | 550 | 2,070 | 1,390 | 1,900 | 450 | 8,220 | 2,200 | 2,630 | 25,425 |
| May..... | 750 | 335 | 1,330 | 3,800 | 550 | 2,050 | 1,390 | 1,930 | 450 | 8,400 | 2,200 | 2,750 | 25,935 |
| June..... | 750 | 335 | 1,330 | 3,550 | 550 | 2,050 | 1,390 | 1,810 | 450 | 8,100 | 2,200 | 2,750 | 25,265 |
| July..... | 780 | 335 | 1,330 | 3,500 | 550 | 2,060 | 1,390 | 1,830 | 450 | 8,410 | 2,200 | 2,750 | 25,585 |
| August.... | 780 | 350 | 1,330 | 3,650 | 550 | 2,075 | 1,390 | 1,885 | 450 | 8,425 | 2,200 | 2,750 | 25,835 |
| September. | 780 | 350 | 1,330 | 3,600 | 550 | 2,035 | 1,390 | 1,890 | 450 | 8,315 | 2,200 | 2,750 | 25,640 |
| October... | 780 | 350 | 1,380 | 3,700 | 550 | 2,065 | 1,390 | 1,910 | 450 | 8,315 | 2,200 | 2,800 | 25,890 |
| November.. | 790 | 350 | 1,380 | 3,600 | 550 | 2,070 | 1,390 | 1,960 | 460 | 8,020 | 2,200 | 2,800 | 25,570 |
| December.. | 790 | 350 | 1,380 | 3,650 | 550 | 2,015 | 1,390 | 1,980 | 470 | 8,110 | 2,165 | 2,850 | 25,700 |
| 1995 Average... | 767 | 341 | 1,343 | 3,608 | 550 | 2,057 | 1,390 | 1,876 | 449 | 8,231 | 2,197 | 2,710 | 25,520 |
| 1996 January... | 790 | 360 | 1,360 | 3,700 | 550 | 2,038 | 1,400 | 2,010 | 465 | 8,118 | 2,210 | 2,900 | 25,900 |
| February.. | 790 | 360 | 1,360 | 3,650 | 550 | 2,057 | 1,400 | 2,030 | 465 | 8,248 | 2,185 | 2,900 | 25,995 |
| March..... | 780 | 370 | 1,360 | 3,680 | 550 | 2,057 | 1,400 | 2,040 | 465 | 8,248 | 2,205 | 2,950 | 26,105 |
| April..... | 800 | 370 | 1,350 | 3,650 | 550 | 2,067 | 1,400 | 2,010 | 470 | 8,088 | 2,170 | 2,950 | 25,875 |
| May..... | 815 | 370 | 1,350 | 3,600 | 550 | 2,055 | 1,400 | 2,050 | 470 | 8,135 | 2,195 | 2,950 | 25,940 |
| June..... | 820 | 370 | 1,370 | 3,650 | 550 | 2,065 | 1,400 | 2,050 | 470 | 8,195 | 2,190 | 2,950 | 26,080 |
| July..... | 820 | 370 | 1,340 | 3,650 | 550 | 2,065 | 1,400 | 2,020 | 470 | 8,295 | 2,180 | 3,000 | 26,160 |
| August.... | 820 | 370 | 1,360 | 3,680 | 550 | 2,040 | 1,400 | 2,040 | 470 | 8,220 | 2,180 | 3,050 | 26,180 |
| September. | 820 | 370 | 1,380 | 3,700 | 550 | 2,070 | 1,400 | 2,000 | 490 | 8,200 | 2,230 | 3,050 | 26,260 |
| 1996 Average... | 806 | 368 | 1,359 | 3,662 | 550 | 2,057 | 1,400 | 2,028 | 471 | 8,194 | 2,194 | 2,967 | 26,055 |

1/ Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In September 1996, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 500 thousand barrels per day.

Notes: •OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
•Monthly data are often preliminary and also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

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

| | Algeria | Canada | Mexico | Saudi Arabia | Former USSR | United States1/ | Persian Gulf2/ | OAPEC3/ | OPEC3/ | World |
|---|---|---|---|---|---|---|---|---|---|---|
| 1985 Average..... | 120 | 337 | 271 | 375 | 350 | 1,609 | 645 | 808 | 892 | 3,938 |
| 1986 Average..... | 120 | 328 | 352 | 385 | 440 | 1,551 | 700 | 860 | 969 | 4,150 |
| 1987 Average..... | 140 | 367 | 338 | 418 | 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 | 390 | 1,697 | 1,003 | 1,185 | 1,364 | 4,973 |
| 1993 Average..... | 145 | 506 | 459 | 704 | 380 | 1,736 | 1,040 | 1,238 | 1,435 | 5,169 |
| 1994 Average..... | 140 | 539 | 461 | 698 | 340 | 1,727 | 1,081 | 1,272 | 1,475 | 5,297 |
| 1995 January..... | 145 | 617 | 475 | 695 | 410 | 1,787 | 1,080 | 1,276 | 1,450 | 5,639 |
| February.... | 145 | 591 | 405 | 695 | 410 | 1,780 | 1,080 | 1,276 | 1,450 | 5,546 |
| March..... | 145 | 611 | 440 | 695 | 410 | 1,776 | 1,080 | 1,276 | 1,450 | 5,586 |
| April..... | 145 | 617 | 425 | 700 | 410 | 1,794 | 1,085 | 1,281 | 1,455 | 5,580 |
| May..... | 145 | 554 | 460 | 705 | 410 | 1,790 | 1,090 | 1,286 | 1,460 | 5,549 |
| June..... | 145 | 536 | 460 | 695 | 410 | 1,740 | 1,080 | 1,276 | 1,450 | 5,365 |
| July..... | 145 | 525 | 455 | 715 | 410 | 1,751 | 1,100 | 1,296 | 1,470 | 5,451 |
| August..... | 145 | 552 | 470 | 715 | 410 | 1,730 | 1,100 | 1,296 | 1,470 | 5,436 |
| September... | 145 | 567 | 470 | 710 | 410 | 1,757 | 1,095 | 1,291 | 1,465 | 5,513 |
| October..... | 145 | 551 | 365 | 710 | 410 | 1,757 | 1,095 | 1,291 | 1,465 | 5,448 |
| November.... | 145 | 580 | 455 | 685 | 410 | 1,797 | 1,070 | 1,266 | 1,440 | 5,561 |
| December.... | 145 | 590 | 475 | 695 | 410 | 1,691 | 1,080 | 1,276 | 1,450 | 5,475 |
| 1995 Average..... | 145 | 574 | 447 | 701 | 410 | 1,762 | 1,086 | 1,282 | 1,456 | 5,512 |
| 1996 January..... | 145 | 585 | 470 | 690 | 410 | 1,718 | 1,075 | 1,271 | 1,445 | 5,478 |
| February.... | 145 | 545 | 475 | 700 | 410 | 1,675 | 1,085 | 1,281 | 1,455 | 5,415 |
| March..... | 145 | 615 | 475 | 700 | 410 | 1,810 | 1,085 | 1,281 | 1,455 | 5,612 |
| April..... | 145 | 615 | 475 | 690 | 410 | 1,836 | 1,075 | 1,271 | 1,445 | 5,616 |
| May..... | 145 | 565 | 475 | 690 | 410 | 1,810 | 1,075 | 1,271 | 1,445 | 5,550 |
| June..... | 145 | 560 | 485 | 695 | 410 | 1,836 | 1,080 | 1,276 | 1,450 | 5,566 |
| July..... | 145 | 610 | 440 | 705 | 410 | 1,834 | 1,090 | 1,286 | 1,460 | 5,579 |
| August..... | 145 | 625 | 335 | 700 | 410 | R1,867 | 1,085 | 1,281 | 1,455 | R5,502 |
| September... | 145 | 625 | 340 | 695 | 410 | E1,835 | 1,080 | 1,276 | 1,450 | 5,500 |
| 1996 Average..... | 145 | 594 | 441 | 696 | 410 | E1,803 | 1,081 | 1,277 | 1,451 | 5,535 |

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.
R=Revised data. E=Estimated.
Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.
Sources: See end of Section 1.

## Table 1.4 World Oil Supply, 1985–Present
(Thousand Barrels per Day)

| | United States1/ | Persian Gulf2/ | OAPEC3/ | OPEC3/ | World |
|---|---|---|---|---|---|
| 1985 Average..... | 11,192 | 10,320 | 11,498 | 17,324 | 59,264 |
| 1986 Average..... | 10,905 | 12,441 | 13,653 | 19,477 | 61,771 |
| 1987 Average..... | 10,648 | 12,869 | 13,992 | 19,745 | 62,429 |
| 1988 Average..... | 10,473 | 14,310 | 15,662 | 21,625 | 64,707 |
| 1989 Average..... | 9,880 | 15,733 | 16,658 | 23,532 | 65,894 |
| 1990 Average..... | 9,677 | 16,249 | 17,232 | 24,807 | 66,756 |
| 1991 Average..... | 9,883 | 15,704 | 16,747 | 24,920 | 66,634 |
| 1992 Average..... | 9,768 | 17,010 | 17,871 | 26,117 | 66,937 |
| 1993 Average..... | 9,602 | 17,792 | 18,505 | 26,923 | 67,343 |
| 1994 Average..... | 9,413 | 18,234 | 18,885 | 27,633 | 68,585 |
| 1995 January..... | 9,561 | 18,217 | 19,013 | 27,597 | 69,339 |
| February..... | 9,643 | 18,437 | 19,133 | 27,777 | 69,738 |
| March..... | 9,311 | 18,127 | 19,023 | 27,387 | 68,905 |
| April..... | 9,450 | 18,402 | 19,143 | 27,892 | 69,815 |
| May..... | 9,497 | 18,767 | 19,303 | 28,407 | 69,807 |
| June..... | 9,395 | 18,207 | 18,998 | 27,727 | 68,757 |
| July..... | 9,275 | 18,497 | 19,368 | 28,067 | 69,806 |
| August..... | 9,270 | 18,677 | 19,393 | 28,317 | 69,927 |
| September..... | 9,279 | 18,472 | 19,243 | 28,117 | 70,420 |
| October..... | 9,287 | 18,602 | 19,268 | 28,367 | 70,021 |
| November..... | 9,485 | 18,197 | 18,973 | 28,022 | 70,335 |
| December..... | 9,370 | 18,227 | 18,953 | 28,137 | 70,683 |
| 1995 Average..... | 9,400 | 18,403 | 19,152 | 27,987 | 69,796 |
| 1996 January..... | E9,327 | 18,382 | 19,063 | 28,357 | 70,945 |
| February..... | E9,299 | 18,467 | 19,200 | 28,462 | 71,216 |
| March..... | E9,437 | 18,517 | 19,211 | 28,572 | 71,271 |
| April..... | E9,451 | 18,297 | 19,038 | 28,332 | 71,246 |
| May..... | E9,411 | 18,307 | 19,108 | 28,397 | 71,213 |
| June..... | E9,414 | 18,427 | 19,183 | 28,542 | 71,469 |
| July..... | E9,351 | 18,527 | 19,283 | 28,632 | R71,600 |
| August..... | RE9,393 | 18,452 | 19,178 | 28,647 | R71,213 |
| September..... | PE9,429 | 18,547 | 19,253 | 28,722 | 71,609 |
| 1996 Average..... | PE9,390 | 18,436 | 19,168 | 28,518 | 71,308 |

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 gain. See Explanatory Note 1 in Appendix B. •Monthly data are often preliminary and also may not average to the annual total due to rounding. See Section 4 for historical series.
Sources: See end of Section 1.

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

| | | France | Italy | Germany1/ | United Kingdom | OECD Europe2/ | United States3/ | Canada | Japan | Other4/ | Total OECD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1985 | December..... | 139 | 157 | 233 | 123 | 1,092 | 1,519 | 113 | 494 | 66 | 3,284 |
| 1986 | December..... | 127 | 155 | 252 | 124 | 1,133 | 1,593 | 111 | 509 | 72 | 3,418 |
| 1987 | December..... | 127 | 169 | 259 | 121 | 1,130 | 1,607 | 126 | 540 | 71 | 3,474 |
| 1988 | December..... | 140 | 155 | 266 | 112 | 1,118 | 1,597 | 116 | 538 | 71 | 3,440 |
| 1989 | December..... | 138 | 164 | 271 | 118 | 1,133 | 1,581 | 114 | 577 | 71 | 3,476 |
| 1990 | December..... | 140 | 172 | 265 | 112 | 1,163 | 1,621 | 121 | 590 | 73 | 3,568 |
| 1991 | December..... | 153 | 160 | 288 | 119 | 1,181 | 1,617 | 119 | 606 | 65 | 3,588 |
| 1992 | December..... | 146 | 174 | 310 | 113 | 1,219 | 1,592 | 107 | 603 | 67 | 3,588 |
| 1993 | December..... | 158 | 163 | 309 | 118 | 1,221 | 1,647 | 105 | 618 | 69 | 3,661 |
| 1994 | December..... | 158 | 164 | 312 | 115 | 1,240 | 1,653 | 119 | 645 | 69 | 3,726 |
| 1995 | | | | | | | | | | | |
| | January..... | 160 | 167 | 314 | 113 | 1,250 | 1,643 | 121 | 631 | 69 | 3,714 |
| | February..... | 164 | 163 | 316 | 114 | 1,250 | 1,608 | 121 | 613 | 64 | 3,655 |
| | March..... | 152 | 159 | 304 | 105 | 1,189 | 1,601 | 124 | 619 | 68 | 3,601 |
| | April..... | 156 | 159 | 306 | 107 | 1,194 | 1,601 | 122 | 626 | 71 | 3,614 |
| | May..... | 153 | 161 | 304 | 112 | 1,204 | 1,612 | 119 | 635 | 72 | 3,641 |
| | June..... | 166 | 168 | 301 | 102 | 1,208 | 1,609 | 128 | 640 | 73 | 3,658 |
| | July..... | 160 | 171 | 304 | 110 | 1,242 | 1,624 | R130 | 651 | 77 | R3,724 |
| | August..... | 160 | 174 | 303 | 109 | R1,241 | 1,614 | 119 | 654 | 72 | R3,699 |
| | September.... | 162 | 163 | 301 | 110 | R1,232 | 1,620 | 120 | 658 | 77 | R3,707 |
| | October..... | 162 | 165 | 304 | 111 | 1,242 | 1,607 | 123 | 664 | 72 | 3,706 |
| | November..... | 160 | 159 | 297 | 110 | 1,225 | 1,604 | 123 | 663 | 72 | 3,685 |
| | December..... | 159 | 162 | 301 | 107 | 1,228 | 1,563 | 109 | 630 | 71 | 3,601 |
| 1996 | | | | | | | | | | | |
| | January..... | 154 | 157 | 301 | 107 | 1,240 | 1,543 | 105 | 638 | 76 | R3,603 |
| | February..... | 156 | 156 | 298 | 103 | R1,233 | 1,500 | 105 | 615 | 67 | R3,519 |
| | March..... | 157 | 153 | 296 | 106 | 1,222 | 1,482 | 108 | 627 | 71 | 3,510 |
| | April..... | 165 | 150 | 298 | 109 | R1,242 | 1,501 | 108 | 622 | 72 | R3,545 |
| | May..... | 163 | 157 | 295 | 105 | R1,246 | 1,519 | 104 | 641 | 73 | R3,583 |
| | June..... | 160 | 158 | 296 | 104 | 1,233 | 1,546 | 104 | 647 | 72 | 3,601 |
| | July..... | 162 | 155 | 298 | 105 | 1,252 | 1,550 | 106 | 637 | 77 | 3,622 |

1/ Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ U.S. geographic coverage is the 50 States and the District of Columbia.
4/ "Other" consists of Australia, New Zealand, and the U.S. Territories.
Notes: •Oil Stocks - See Explanatory Note 2 in Appendix B. •See Section 4 for historical series.
Sources: See end of Section 1.

## Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries (End of June 1996)
(Million Barrels)

| Country | Commercial | Government Owned | Total |
|---|---|---|---|
| Canada | 104 | 0 | 104 |
| United States1/ | 962 | 584 | 1546 |
| United States Territories | 23 | 0 | 23 |
| Japan | 347 | 300 | 647 |
| Australia/New Zealand | 49 | NA | 49 |
| Austria | 21 | 0 | 21 |
| Belgium/Luxembourg | 29 | 0 | 29 |
| Denmark | 25 | 0 | 25 |
| Finland | 28 | 0 | 28 |
| France | 160 | 0 | 160 |
| Germany2/ | 241 | 55 | 296 |
| Greece | 25 | NA | 25 |
| Ireland | 5 | 2 | 7 |
| Italy | 152 | 6 | 158 |
| Netherlands | 86 | 0 | 86 |
| Norway | 58 | 0 | 58 |
| Portugal | 21 | 0 | 21 |
| Spain | 94 | 0 | 94 |
| Sweden | 27 | 0 | 27 |
| Switzerland | 45 | 0 | 45 |
| Turkey | 49 | 0 | 49 |
| United Kingdom | 104 | 0 | 104 |
| OECD Europe | 1,170 | 63 | 1,233 |
| Total OECD | 2,653 | 948 | 3,601 |

1/ U.S. geographic coverage is the 50 States and the District of Columbia.
2/ Data are for the unified Germany, i.e., the former East Germany and West Germany.
NA=Not Available.
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, 1985–Present
(Thousand Barrels per Day)

| | | France | Italy | Germany1/ | United Kingdom | OECD Europe2/ | United States3/ | Canada | Japan | Other4/ | Total OECD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1985 | Average.... | 1,775 | 1,717 | 2,338 | 1,634 | 11,681 | 15,726 | 1,504 | 4,384 | 976 | 34,271 |
| 1986 | Average.... | 1,772 | 1,738 | 2,498 | 1,649 | 12,102 | 16,281 | 1,506 | 4,439 | 951 | 35,279 |
| 1987 | Average.... | 1,789 | 1,855 | 2,424 | 1,603 | 12,255 | 16,665 | 1,548 | 4,484 | 959 | 35,911 |
| 1988 | Average.... | 1,797 | 1,836 | 2,422 | 1,697 | 12,427 | 17,283 | 1,693 | 4,752 | 939 | 37,093 |
| 1989 | Average.... | 1,857 | 1,930 | 2,280 | 1,738 | 12,531 | 17,325 | 1,733 | 4,983 | 998 | 37,570 |
| 1990 | Average.... | 1,818 | 1,872 | 2,382 | 1,752 | 12,629 | 16,988 | 1,690 | 5,140 | 1,027 | 37,475 |
| 1991 | Average.... | 1,935 | 1,863 | 2,828 | 1,801 | 13,391 | 16,714 | 1,622 | 5,284 | 1,056 | 38,067 |
| 1992 | Average.... | 1,926 | 1,937 | 2,843 | 1,803 | 13,605 | 17,033 | 1,643 | 5,446 | 1,041 | 38,768 |
| 1993 | Average.... | 1,875 | 1,852 | 2,900 | 1,815 | 13,523 | 17,237 | 1,688 | 5,401 | 1,117 | 38,966 |
| 1994 | Average.... | 1,833 | 1,841 | 2,879 | 1,837 | 13,597 | 17,718 | 1,727 | 5,674 | 1,176 | 39,892 |
| 1995 | | | | | | | | | | | |
| | January.... | R1,949 | R2,031 | R2,711 | R1,766 | R13,767 | 17,219 | R1,673 | 6,031 | R1,156 | R39,845 |
| | February... | R1,895 | R2,225 | R2,789 | R1,965 | R14,136 | 18,279 | R1,856 | R6,773 | R1,211 | R42,255 |
| | March..... | R2,002 | R2,081 | 3,186 | R1,983 | R14,805 | 17,484 | R1,697 | R6,331 | R1,274 | R41,591 |
| | April..... | R1,834 | R1,928 | R2,874 | R1,800 | R13,829 | 17,142 | R1,533 | 5,554 | R1,204 | R39,262 |
| | May..... | R1,763 | R1,917 | R2,942 | R1,789 | R13,586 | 17,293 | R1,706 | R5,027 | R1,295 | R38,908 |
| | June..... | R1,846 | R1,975 | R2,878 | R1,820 | R13,916 | 18,131 | R1,744 | 4,971 | R1,253 | R40,014 |
| | July..... | R1,933 | R1,949 | R2,833 | R1,748 | R13,645 | 17,147 | R1,719 | 5,087 | R1,195 | R38,793 |
| | August..... | R1,787 | R1,810 | R2,925 | R1,806 | R13,795 | 18,044 | R1,847 | R5,567 | R1,255 | R40,507 |
| | September.. | R1,888 | R2,052 | R2,952 | R1,829 | R14,184 | 18,026 | R1,821 | 5,378 | R1,259 | R40,667 |
| | October.... | R1,870 | R2,141 | R2,761 | R1,852 | R14,215 | 17,651 | R1,801 | R5,125 | R1,184 | R39,976 |
| | November... | R1,957 | R2,286 | R2,913 | R2,021 | R15,010 | 17,979 | R1,814 | R5,884 | R1,198 | R41,885 |
| | December... | R2,032 | R2,205 | R2,737 | R1,772 | R14,566 | 18,366 | R1,859 | R6,871 | R1,238 | R42,899 |
| | Average.... | R1,896 | R2,048 | 2,875 | R1,845 | R14,120 | 17,725 | 1,755 | 5,711 | 1,227 | R40,537 |
| 1996 | | | | | | | | | | | |
| | January.... | 1,889 | R2,082 | R2,904 | R1,760 | R14,095 | 18,212 | R1,766 | 6,211 | R1,167 | R41,451 |
| | February... | R2,193 | R2,227 | R3,023 | R1,915 | R15,145 | 18,498 | R1,867 | 6,762 | R1,190 | R43,461 |
| | March..... | R1,990 | R2,158 | R2,867 | R1,857 | R14,295 | 18,180 | R1,710 | 6,320 | 1,168 | R41,673 |
| | April..... | 1,929 | R1,921 | R2,743 | R1,853 | R13,862 | 17,837 | R1,608 | R5,616 | R1,171 | R40,093 |
| | May..... | 1,819 | R1,842 | R2,863 | R1,844 | R13,684 | 17,857 | R1,695 | R5,021 | R1,128 | R39,384 |
| | June..... | 1,838 | R1,868 | R2,823 | R1,737 | R13,652 | 18,049 | R1,710 | R4,986 | R1,147 | R39,545 |
| | July..... | 1,987 | 2,119 | 2,959 | 1,787 | 14,092 | 18,143 | 1,730 | 5,396 | 1,108 | 40,468 |

1/ Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ U.S. geographic coverage is the 50 States and the District of Columbia.
4/ "Other" consists of Australia, New Zealand, and the U.S. Territories.
Notes: •The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition. •See Section 4 for historical series.
Sources: See end of Section 1.

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

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

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1995 and Petroleum Supply Monthly, October 1996.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Petroleum and Energy Intelligence Weekly, Inc., Petroleum Intelligence Weekly, various issues. All Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, November 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1995 and Petroleum Supply Monthly, October 1996.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1985-1996.

Oil Demand

United States: EIA, Petroleum Supply Annual 1995 and Petroleum Supply Monthly, October 1996.

Other OECD Countries: • OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1985-1996.

# 2. International Oil Balance Data

## Table 2.1 World Oil Balance, 1992–1996
(Million Barrels Per Day)

| | 1992 | 1993 | 1994 | 1995 | | | | | 1996 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Annual | | Quarter | | | | Annual | Quarter | | | | Annual |
| | | Average | | First | Second | Third | Fourth | Average | First | Second | Third | Fourth | Average |
| Supply1/ | | | | | | | | | | | | | |
| OECD | | | | | | | | | | | | | |
| United States2/..... | 9.77 | 9.60 | 9.41 | 9.50 | 9.45 | 9.27 | 9.38 | 9.40 | 9.36 | 9.43 | 9.39 | NA | NA |
| Other OECD..... | 8.09 | 8.40 | 9.30 | 9.82 | 9.43 | 9.73 | 10.32 | 9.83 | 10.17 | 10.13 | 10.23 | NA | NA |
| Total OECD..... | 17.85 | 18.00 | 18.71 | 19.32 | 18.88 | 19.00 | 19.70 | 19.23 | 19.53 | 19.55 | 19.62 | NA | NA |
| Non-OECD | | | | | | | | | | | | | |
| OPEC..... | 26.12 | 26.92 | 27.63 | 27.58 | 28.01 | 28.17 | 28.18 | 27.99 | 28.46 | 28.42 | 28.67 | NA | NA |
| Former USSR..... | 8.93 | 7.96 | 7.27 | 6.92 | 7.03 | 6.99 | 6.90 | 6.96 | 7.10 | 7.08 | 7.03 | NA | NA |
| Other Non-OECD..... | 14.03 | 14.46 | 14.97 | 15.49 | 15.55 | 15.88 | 15.57 | 15.62 | 16.04 | 16.25 | 16.15 | NA | NA |
| Total Non-OECD..... | 49.08 | 49.34 | 49.87 | 49.99 | 50.59 | 51.04 | 50.64 | 50.57 | 51.61 | 51.75 | 51.85 | NA | NA |
| Total World Supply..... | 66.94 | 67.34 | 68.59 | 69.31 | 69.46 | 70.05 | 70.35 | 69.80 | 71.14 | 71.31 | 71.47 | NA | NA |
| Demand3/ | | | | | | | | | | | | | |
| OECD | | | | | | | | | | | | | |
| United States2/..... | 17.03 | 17.24 | 17.72 | 17.64 | 17.52 | 17.74 | 18.00 | 17.72 | 18.29 | 17.91 | NA | NA | NA |
| Other OECD..... | 21.74 | 21.73 | 22.17 | 23.56 | 21.87 | 22.25 | 23.58 | 22.81 | 23.88 | 21.75 | NA | NA | NA |
| Total OECD..... | 38.77 | 38.97 | 39.89 | 41.20 | 39.39 | 39.98 | 41.58 | 40.54 | 42.17 | 39.67 | NA | NA | NA |
| Non-OECD | | | | | | | | | | | | | |
| China..... | 2.66 | 2.96 | 3.18 | 3.33 | 3.36 | 3.38 | 3.41 | 3.37 | 3.53 | 3.56 | NA | NA | NA |
| Former USSR..... | 6.79 | 5.45 | 4.83 | 5.10 | 4.60 | 4.60 | 4.70 | 4.75 | 5.05 | 4.65 | NA | NA | NA |
| Other Non-OECD..... | 18.35 | 18.83 | 20.78 | 21.61 | 21.21 | 21.11 | 22.32 | 21.56 | 22.43 | 22.02 | NA | NA | NA |
| Total Non-OECD..... | 27.81 | 27.23 | 28.79 | 30.04 | 29.17 | 29.09 | 30.43 | 29.68 | 31.01 | 30.23 | NA | NA | NA |
| Total World Demand..... | 66.57 | 66.20 | 68.68 | 71.24 | 68.56 | 69.07 | 72.01 | 70.22 | 73.18 | 69.90 | NA | NA | NA |
| Stock Draws / Discrepancy | | | | | | | | | | | | | |
| Net Reported Stock Draws4/ | | | | | | | | | | | | | |
| U. S. Commercial..... | .05 | -.12 | .00 | .58 | -.09 | -.12 | .62 | .25 | .86 | -.75 | NA | NA | NA |
| U. S. Strategic..... | -.04 | -.03 | -.01 | 00 | 00 | 00 | 00 | 00 | .03 | .05 | NA | NA | NA |
| Other OECD..... | -.42 | -.05 | -.16 | .81 | -.53 | -.42 | .53 | .09 | .11 | -.31 | NA | NA | NA |
| For Export & Afloat..... | -.03 | -.04 | .03 | -.22 | .05 | -.54 | .22 | -.12 | -.44 | -.11 | NA | NA | NA |
| Commr. Floating Storage... | .04 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | NA | NA | NA |
| Total Reported Draws..... | -.39 | -.24 | -.15 | 1.16 | -.57 | -1.08 | 1.36 | .22 | .56 | -1.12 | NA | NA | NA |
| Other Stock Draws and Statistical Discrepancy5/ | .03 | -.90 | .25 | .77 | -.34 | .10 | .30 | .21 | 1.47 | -.30 | NA | NA | NA |

1/ Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery gains, alcohol, and liquids produced from coal and other sources.
2/ U.S. geographical coverage is the 50 States and the District of Columbia. See Explanatory Note 1 in Appendix B.
3/ The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition.
4/ Stock draws are positive numbers, stock additions are negative numbers.
5/ This is computed as Total Demand minus the sum of Total Supply and Total Reported Stock Draw.
Note: Sum of components may not equal total due to rounding.
Sources: See end of Section 2.

## Table 2.2 World Oil Supply, 1992–1996
(Million Barrels Per Day)

| | 1992 | 1993 | 1994 | 1995 | | | | | 1996 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Annual | | Quarter | | | | Annual | Quarter | | | | Annual |
| | | Average | | First | Second | Third | Fourth | Average | First | Second | Third | Fourth | Average |
| OECD | | | | | | | | | | | | | |
| United States1/... | 9.77 | 9.60 | 9.41 | 9.50 | 9.45 | 9.27 | 9.38 | 9.40 | 9.36 | 9.43 | 9.39 | NA | NA |
| Canada..... | 2.13 | 2.24 | 2.38 | 2.43 | 2.42 | 2.45 | 2.48 | 2.44 | 2.40 | 2.43 | 2.50 | NA | NA |
| North Sea2/..... | 4.44 | 4.67 | 5.38 | 5.81 | 5.43 | 5.68 | 6.31 | 5.81 | 6.23 | 6.09 | 6.11 | NA | NA |
| Other OECD..... | 1.52 | 1.48 | 1.54 | 1.58 | 1.57 | 1.60 | 1.54 | 1.57 | 1.55 | 1.60 | 1.63 | NA | NA |
| Total OECD..... | 17.85 | 18.00 | 18.71 | 19.32 | 18.88 | 19.00 | 19.70 | 19.23 | 19.53 | 19.55 | 19.62 | NA | NA |
| Non-OECD | | | | | | | | | | | | | |
| OPEC | | | | | | | | | | | | | |
| Crude | | | | | | | | | | | | | |
| Algeria..... | 1.21 | 1.16 | 1.18 | 1.18 | 1.18 | 1.21 | 1.22 | 1.20 | 1.22 | 1.24 | 1.25 | NA | NA |
| Gabon..... | .30 | .31 | .33 | .33 | .33 | .34 | .35 | .34 | .36 | .37 | .37 | NA | NA |
| Indonesia..... | 1.50 | 1.51 | 1.51 | 1.51 | 1.51 | 1.51 | 1.56 | 1.52 | 1.54 | 1.54 | 1.54 | NA | NA |
| Iran..... | 3.43 | 3.54 | 3.64 | 3.58 | 3.69 | 3.62 | 3.69 | 3.64 | 3.71 | 3.67 | 3.71 | NA | NA |
| Iraq..... | .42 | .51 | .55 | .55 | .55 | .55 | .55 | .55 | .55 | .55 | .55 | NA | NA |
| Kuwait..... | 1.06 | 1.85 | 2.03 | 2.07 | 2.06 | 2.06 | 2.05 | 2.06 | 2.05 | 2.06 | 2.06 | NA | NA |
| Libya..... | 1.43 | 1.36 | 1.38 | 1.39 | 1.39 | 1.39 | 1.39 | 1.39 | 1.40 | 1.40 | 1.40 | NA | NA |
| Nigeria..... | 1.94 | 1.96 | 2.04 | 1.96 | 2.03 | 2.02 | 2.10 | 2.03 | 2.18 | 2.19 | 2.17 | NA | NA |
| Qatar..... | .42 | .41 | .44 | .47 | .48 | .48 | .49 | .48 | .50 | .50 | .51 | NA | NA |
| Saudi Arabia.. | 8.33 | 8.20 | 8.15 | 8.15 | 8.24 | 8.38 | 8.15 | 8.23 | 8.20 | 8.14 | 8.24 | NA | NA |
| United Arab Emirates... | 2.27 | 2.16 | 2.26 | 2.28 | 2.28 | 2.28 | 2.26 | 2.27 | 2.28 | 2.27 | 2.28 | NA | NA |
| Venezuela..... | 2.37 | 2.45 | 2.59 | 2.60 | 2.75 | 2.79 | 2.86 | 2.75 | 2.96 | 2.99 | 3.07 | NA | NA |
| Natural Gas Plant Liquids | 1.36 | 1.44 | 1.47 | 1.45 | 1.46 | 1.47 | 1.45 | 1.46 | 1.45 | 1.45 | 1.46 | NA | NA |
| Processing Gain. | .06 | .06 | .06 | .06 | .06 | .06 | .06 | .06 | .06 | .06 | .06 | NA | NA |
| Total OPEC..... | 26.12 | 26.92 | 27.63 | 27.58 | 28.01 | 28.17 | 28.18 | 27.99 | 28.46 | 28.42 | 28.67 | NA | NA |
| Former USSR..... | 8.93 | 7.96 | 7.27 | 6.92 | 7.03 | 6.99 | 6.90 | 6.96 | 7.10 | 7.08 | 7.03 | NA | NA |
| China..... | 2.84 | 2.89 | 2.94 | 2.98 | 2.99 | 3.02 | 3.07 | 3.02 | 3.09 | 3.14 | 3.14 | NA | NA |
| Mexico..... | 3.15 | 3.16 | 3.18 | 3.13 | 3.16 | 3.21 | 2.86 | 3.09 | 3.32 | 3.38 | 3.25 | NA | NA |
| Other Non-OECD.... | 8.04 | 8.41 | 8.85 | 9.38 | 9.40 | 9.65 | 9.63 | 9.52 | 9.63 | 9.73 | 9.76 | NA | NA |
| Total Non-OECD.... | 49.08 | 49.34 | 49.87 | 49.99 | 50.59 | 51.04 | 50.64 | 50.57 | 51.61 | 51.75 | 51.85 | NA | NA |
| Total Supply..... | 66.94 | 67.34 | 68.59 | 69.31 | 69.46 | 70.05 | 70.35 | 69.80 | 71.14 | 71.31 | 71.47 | NA | NA |

1/ U.S. geographic coverage is the 50 States and the District of Columbia.
2/ North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.
Notes: •Supply includes crude oil (including lease condensate), natural gas plant liquids, (except for individual OPEC countries), other hydrogen and hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and processing gain (except for individual OPEC countries). For OPEC, natural gas plant liquids production and processing gain are shown as separate lines. •Sum of components may not equal total due to rounding.
Sources: See end of Section 2.

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

| | 1992 | 1993 | 1994 | 1995 | | | | 1996 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Year End | | Quarter | | | | Quarter | | | |
| | | | | First | Second | Third | Fourth | First | Second | Third | Fourth |
| OECD | | | | | | | | | | | |
| United States1/ | | | | | | | | | | | |
| Commercial | 1,017 | 1,060 | 1,061 | 1,009 | 1,017 | 1,028 | 971 | 893 | 962 | NA | NA |
| Strategic | 575 | 587 | 592 | 592 | 592 | 592 | 592 | 589 | 584 | NA | NA |
| U. S. Territories | 24 | 25 | 26 | 23 | 26 | 25 | 24 | 22 | 23 | NA | NA |
| Canada | 107 | 105 | 119 | 124 | 128 | 120 | 109 | 108 | 104 | NA | NA |
| Japan | 603 | 618 | 645 | 619 | 640 | 658 | 630 | 627 | 647 | NA | NA |
| OECD Europe | | | | | | | | | | | |
| France | 146 | 158 | 158 | 152 | 166 | 162 | 159 | 157 | 160 | NA | NA |
| Germany | 310 | 309 | 312 | 304 | 301 | 301 | 301 | 296 | 296 | NA | NA |
| Italy | 174 | 163 | 164 | 159 | 168 | 163 | 162 | 153 | 158 | NA | NA |
| United Kingdom | 113 | 118 | 115 | 105 | 102 | 110 | 107 | 106 | 104 | NA | NA |
| Other OECD Europe | 476 | 475 | 490 | 469 | 471 | 497 | 499 | 510 | 515 | NA | NA |
| Total | 1,219 | 1,221 | 1,240 | 1,189 | 1,208 | 1,232 | 1,228 | 1,222 | 1,233 | NA | NA |
| Australia & New Zealand | 43 | 44 | 43 | 45 | 47 | 52 | 47 | 49 | 49 | NA | NA |
| Total OECD | 3,588 | 3,661 | 3,726 | 3,601 | 3,658 | 3,707 | 3,601 | 3,510 | 3,601 | NA | NA |
| Stocks for Export and Afloat2/ | 930 | 945 | 935 | 955 | 950 | 1,000 | 980 | 1,020 | 1,030 | NA | NA |
| Commercial Floating3/ | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | NA | 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.
Sources: See end of Section 2.

## Table 2.4 World Oil Demand, 1992–1996
(Million Barrels Per Day)

| | 1992 | 1993 | 1994 | 1995 | | | | | 1996 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Annual | | Quarter | | | | Annual | Quarter | | | | Annual |
| | | Average | | First | Second | Third | Fourth | Average | First | Second | Third | Fourth | Average |
| OECD | | | | | | | | | | | | | |
| United States1/..... | 17.03 | 17.24 | 17.72 | 17.64 | 17.52 | 17.74 | 18.00 | 17.72 | 18.29 | 17.91 | NA | NA | NA |
| U. S. Territories..... | .22 | .24 | .26 | .24 | .26 | .25 | .20 | .24 | .21 | .19 | NA | NA | NA |
| Canada..... | 1.64 | 1.69 | 1.73 | 1.74 | 1.66 | 1.79 | 1.82 | 1.76 | 1.78 | 1.67 | NA | NA | NA |
| Japan..... | 5.45 | 5.40 | 5.67 | 6.37 | 5.18 | 5.34 | 5.96 | 5.71 | 6.42 | 5.21 | NA | NA | NA |
| OECD Europe2/ | | | | | | | | | | | | | |
| France..... | 1.93 | 1.88 | 1.83 | 1.95 | 1.81 | 1.87 | 1.95 | 1.90 | 2.02 | 1.86 | NA | NA | NA |
| Italy..... | 1.94 | 1.85 | 1.84 | 2.11 | 1.94 | 1.94 | 2.21 | 2.05 | 2.15 | 1.88 | NA | NA | NA |
| United Kingdom..... | 1.80 | 1.81 | 1.84 | 1.90 | 1.80 | 1.79 | 1.88 | 1.84 | 1.84 | 1.81 | NA | NA | NA |
| Germany3/..... | 2.84 | 2.90 | 2.88 | 2.90 | 2.90 | 2.90 | 2.80 | 2.88 | 2.93 | 2.81 | NA | NA | NA |
| Other OECD Europe.... | 5.10 | 5.08 | 5.21 | 5.38 | 5.32 | 5.37 | 5.75 | 5.45 | 5.56 | 5.37 | NA | NA | NA |
| Total OECD Europe.... | 13.60 | 13.52 | 13.60 | 14.24 | 13.77 | 13.87 | 14.59 | 14.12 | 14.50 | 13.73 | NA | NA | NA |
| Australia & New Zealand | .82 | .88 | .92 | .97 | .99 | .99 | 1.00 | .99 | .97 | .95 | NA | NA | NA |
| Total OECD..... | 38.77 | 38.97 | 39.89 | 41.20 | 39.39 | 39.98 | 41.58 | 40.54 | 42.17 | 39.67 | NA | NA | NA |
| Non-OECD | | | | | | | | | | | | | |
| China..... | 2.66 | 2.96 | 3.18 | 3.33 | 3.36 | 3.38 | 3.41 | 3.37 | 3.53 | 3.56 | NA | NA | NA |
| Former USSR..... | 6.79 | 5.45 | 4.83 | 5.10 | 4.60 | 4.60 | 4.70 | 4.75 | 5.05 | 4.65 | NA | NA | NA |
| Other Non-OECD..... | 18.35 | 18.83 | 20.78 | 21.61 | 21.21 | 21.11 | 22.32 | 21.56 | 22.43 | 22.02 | NA | NA | NA |
| Total Non-OECD..... | 27.81 | 27.23 | 28.79 | 30.04 | 29.17 | 29.09 | 30.43 | 29.68 | 31.01 | 30.23 | NA | NA | NA |
| Total World Demand..... | 66.57 | 66.20 | 68.68 | 71.24 | 68.56 | 69.07 | 72.01 | 70.22 | 73.18 | 69.90 | NA | NA | NA |

1/ U.S. geographic coverage is the 50 States and the District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ Through December 1990, the data for Germany are for the former West Germany only. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
Notes: •Oil demand includes bunkers and refinery fuel. The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition. •Sum of components may not equal total due to rounding.
Sources: See end of Section 2.

# Sources for Section 2 (International Oil Balance Data)

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

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1995 and Petroleum Supply Monthly, October 1996.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Canada -- Maclean Hunter Publishing Company, Oilweek, various issues. Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Petroleum and Energy Intelligence Weekly, Inc., Petroleum Intelligence Weekly, various issues. Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1995 and Petroleum Supply Monthly, October 1996.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1990-1995. 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 1995 and Petroleum Supply Monthly, October 1996.

Other OECD Countries: • OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1990-1996.

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, (1995 Average)
(Million Barrels per Day)

| | Total | OECD Europe | | | | | | OECD Outside Europe | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total | United Kingdom | France | Germany1/ | Italy | Other Europe2/ | United States3/ | Canada | Japan | Other4/ |
| Total Net Imports.. | 20.717 | 7.226 | -0.969 | 1.721 | 2.699 | 1.820 | 1.955 | 7.883 | -0.756 | 5.716 | 0.647 |
| Imports from OPEC5/ | 15.756 | 6.186 | .254 | .919 | .715 | 1.203 | 3.096 | 4.208 | .257 | 4.472 | .632 |
| Imports from Persian Gulf6/ | | | | | | | | | | | |
| Total..... | 9.310 | 3.365 | .135 | .647 | .172 | .494 | 1.916 | 1.563 | .070 | 3.979 | .334 |
| Bahrain..... | .030 | .000 | .000 | .000 | .000 | .000 | .000 | -.003 | - | .029 | .004 |
| Iran..... | 1.551 | 1.149 | .023 | .208 | .031 | .233 | .653 | .000 | .002 | .399 | .001 |
| Iraq..... | .000 | .000 | - | - | - | - | .000 | - | - | - | - |
| Kuwait..... | .997 | .269 | .039 | .022 | .015 | .000 | .193 | .218 | .000 | .501 | .009 |
| U.A.E..... | 1.513 | .011 | .000 | .002 | .000 | .000 | .009 | .004 | .000 | 1.420 | .078 |
| Qatar..... | .359 | .002 | .000 | .000 | .000 | .002 | .000 | .000 | - | .335 | .023 |
| Saudi Arabia..... | 4.861 | 1.933 | .073 | .416 | .125 | .260 | 1.060 | 1.344 | .069 | 1.296 | .218 |
| Imports from OPEC-Africa | | | | | | | | | | | |
| Total..... | 3.924 | 2.532 | .065 | .270 | .465 | .679 | 1.054 | 1.088 | .098 | .032 | .173 |
| Algeria..... | 1.036 | .724 | .018 | .103 | .135 | .100 | .368 | .234 | .041 | .011 | .027 |
| Gabon..... | .287 | .033 | .000 | .008 | .004 | .000 | .020 | .229 | .000 | .005 | .020 |
| Libya..... | 1.201 | 1.201 | .032 | .043 | .234 | .562 | .330 | .000 | .000 | - | .000 |
| Nigeria..... | 1.400 | .575 | .015 | .115 | .093 | .017 | .336 | .625 | .058 | .016 | .126 |
| Imports from OPEC-South America | | | | | | | | | | | |
| Total..... | 1.882 | .273 | .054 | .002 | .078 | .014 | .125 | 1.468 | .088 | .002 | .051 |
| Venezuela..... | 1.882 | .273 | .054 | .002 | .078 | .014 | .125 | 1.468 | .088 | .002 | .051 |
| Imports from OPEC-Far East | | | | | | | | | | | |
| Total..... | .669 | .017 | .000 | .000 | .000 | .015 | .001 | .087 | .000 | .488 | .078 |
| Indonesia..... | .669 | .017 | .000 | .000 | .000 | .015 | .001 | .087 | .000 | .488 | .078 |

1/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
2/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.
3/ U.S. geographic coverage is the 50 States and District of Columbia.
4/ "Other" consists of Australia, New Zealand, and U. S. Territories.
5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.
Sources: See end of Section 3.

## Table 3.2 Net Oil Imports into OECD Countries, (2nd Quarter 1996)
(Million Barrels per Day)

| | Total | OECD Europe | | | | | | OECD Outside Europe | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total | United Kingdom | France | Germany1/ | Italy | Other Europe2/ | United States3/ | Canada | Japan | Other4/ |
| Total Net Imports.. | 20.969 | 6.788 | -0.811 | 1.646 | 2.665 | 1.678 | 1.611 | 8.812 | -0.802 | 5.513 | 0.658 |
| Imports from OPEC5/ | 15.581 | 5.920 | .256 | .889 | .652 | 1.150 | 2.972 | 4.420 | .258 | 4.266 | .717 |
| Imports from Persian Gulf6/ | | | | | | | | | | | |
| Total..... | 9.079 | 3.160 | .106 | .555 | .149 | .440 | 1.910 | 1.579 | .153 | 3.854 | .333 |
| Bahrain..... | .044 | .000 | .000 | .000 | .000 | .000 | .000 | -.001 | - | .038 | .007 |
| Iran..... | 1.582 | 1.135 | .029 | .167 | .017 | .212 | .710 | .000 | .043 | .404 | .000 |
| Iraq..... | .000 | .000 | - | - | - | - | .000 | - | - | - | - |
| Kuwait..... | 1.011 | .257 | .039 | .020 | .013 | .000 | .184 | .273 | .000 | .477 | .005 |
| U.A.E..... | 1.398 | .000 | .000 | .000 | .000 | .000 | .000 | -.010 | .000 | 1.320 | .088 |
| Qatar..... | .387 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | - | .362 | .025 |
| Saudi Arabia..... | 4.657 | 1.769 | .038 | .368 | .120 | .227 | 1.015 | 1.317 | .110 | 1.252 | .209 |
| Imports from OPEC-Africa | | | | | | | | | | | |
| Total..... | 3.964 | 2.509 | .104 | .334 | .434 | .682 | .955 | 1.125 | .071 | .023 | .235 |
| Algeria..... | 1.047 | .683 | .014 | .122 | .142 | .098 | .307 | .286 | .047 | .014 | .017 |
| Gabon..... | .287 | .014 | .000 | .011 | .000 | .000 | .003 | .194 | .000 | .000 | .078 |
| Libya..... | 1.168 | 1.168 | .040 | .029 | .220 | .571 | .307 | .000 | .000 | - | .000 |
| Nigeria..... | 1.463 | .644 | .050 | .172 | .072 | .013 | .338 | .645 | .025 | .009 | .139 |
| Imports from OPEC-South America | | | | | | | | | | | |
| Total..... | 1.983 | .237 | .046 | .000 | .069 | .015 | .107 | 1.657 | .034 | .003 | .052 |
| Venezuela..... | 1.983 | .237 | .046 | .000 | .069 | .015 | .107 | 1.657 | .034 | .003 | .052 |
| Imports from OPEC-Far East | | | | | | | | | | | |
| Total..... | .598 | .014 | .000 | .000 | .000 | .014 | .000 | .057 | .000 | .424 | .103 |
| Indonesia..... | .598 | .014 | .000 | .000 | .000 | .014 | .000 | .057 | .000 | .424 | .103 |

1/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
2/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.
3/ U.S. geographic coverage is the 50 States and District of Columbia.
4/ "Other" consists of Australia, New Zealand, and U. S. Territories.
5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.
Sources: See end of Section 3.

## Table 3.3 Net Oil Imports into OECD Countries, (1st Quarter 1996)
(Million Barrels per Day)

| | Total | OECD Europe | | | | | | OECD Outside Europe | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total | United Kingdom | France | Germany1/ | Italy | Other Europe2/ | United States3/ | Canada | Japan | Other4/ |
| Total Net Imports.. | 20.888 | 6.874 | -0.915 | 1.724 | 2.773 | 1.842 | 1.450 | 7.861 | -0.760 | 6.272 | 0.642 |
| Imports from OPEC5/ | 16.131 | 6.171 | .226 | .910 | .681 | 1.288 | 3.067 | 4.135 | .323 | 4.851 | .652 |
| Imports from Persian Gulf6/ | | | | | | | | | | | |
| Total..... | 9.482 | 3.347 | .131 | .613 | .100 | .547 | 1.956 | 1.472 | .126 | 4.289 | .248 |
| Bahrain..... | .039 | .001 | .000 | .000 | .000 | .001 | .000 | -.002 | - | .038 | .002 |
| Iran..... | 1.665 | 1.164 | .028 | .205 | .012 | .287 | .632 | .000 | .000 | .501 | .000 |
| Iraq..... | .000 | .000 | - | - | - | - | .000 | - | - | - | - |
| Kuwait..... | 1.074 | .341 | .040 | .000 | .013 | .000 | .288 | .163 | .038 | .522 | .010 |
| U.A.E..... | 1.469 | .003 | .000 | .000 | .000 | .000 | .002 | -.007 | .000 | 1.429 | .045 |
| Qatar..... | .398 | .006 | .000 | .000 | .000 | .006 | .000 | .000 | - | .379 | .013 |
| Saudi Arabia..... | 4.838 | 1.833 | .063 | .408 | .075 | .253 | 1.034 | 1.319 | .088 | 1.421 | .177 |
| Imports from OPEC-Africa | | | | | | | | | | | |
| Total..... | 4.135 | 2.616 | .058 | .294 | .546 | .715 | 1.003 | 1.063 | .132 | .068 | .256 |
| Algeria..... | 1.084 | .747 | .021 | .079 | .184 | .106 | .358 | .252 | .067 | .011 | .007 |
| Gabon..... | .288 | .042 | .000 | .023 | .010 | .000 | .009 | .172 | .000 | .016 | .058 |
| Libya..... | 1.216 | 1.216 | .028 | .048 | .262 | .589 | .290 | .000 | .000 | - | .000 |
| Nigeria..... | 1.547 | .611 | .010 | .144 | .090 | .020 | .346 | .639 | .066 | .041 | .191 |
| Imports from OPEC-South America | | | | | | | | | | | |
| Total..... | 1.845 | .181 | .036 | .003 | .034 | .000 | .108 | 1.547 | .065 | .002 | .051 |
| Venezuela..... | 1.845 | .181 | .036 | .003 | .034 | .000 | .108 | 1.547 | .065 | .002 | .051 |
| Imports from OPEC-Far East | | | | | | | | | | | |
| Total..... | .708 | .027 | .000 | .000 | .000 | .027 | .000 | .051 | .000 | .530 | .101 |
| Indonesia..... | .708 | .027 | .000 | .000 | .000 | .027 | .000 | .051 | .000 | .530 | .101 |

1/ The data for Germany are for unified Germany, i.e., the former East Germany and West Germany.
2/ "Other Europe" consists of Austria, Belgium, Denmark, Finland, Greece, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and Turkey.
3/ U.S. geographic coverage is the 50 States and District of Columbia.
4/ "Other" consists of Australia, New Zealand, and U. S. Territories.
5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.
Sources: See end of Section 3.

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

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total | 20.769 | 21.577 | 20.310 | 20.655 | 20.449 | 20.971 | 20.161 | 21.484 | 21.599 | 21.353 | 19.941 | 21.835 |
| United States1/ | 8.203 | 8.921 | 7.614 | 8.050 | 7.489 | 8.202 | 7.240 | 8.101 | 8.381 | 9.023 | 9.025 | 8.608 |
| Canada | -.673 | -.604 | -.691 | -.741 | -.993 | -.929 | -.693 | -.654 | -.818 | -.783 | -.807 | -.540 |
| OECD Europe2/ | 7.152 | 7.144 | 7.258 | 6.911 | 7.542 | 6.844 | 7.008 | 6.778 | 7.607 | 6.801 | 5.957 | 7.893 |
| Main European Importers | | | | | | | | | | | | |
| France | 1.504 | 1.745 | 1.638 | 1.713 | 1.778 | 1.596 | 1.818 | 1.764 | 1.928 | 1.556 | 1.457 | 1.895 |
| Germany3/ | 2.751 | 2.712 | 2.754 | 2.556 | 2.704 | 2.781 | 2.849 | 2.694 | 2.632 | 2.663 | 2.700 | 2.873 |
| Italy | 1.759 | 1.591 | 1.925 | 1.862 | 1.991 | 1.934 | 1.764 | 1.822 | 1.691 | 1.729 | 1.611 | 1.749 |
| Spain | 1.083 | 1.243 | 1.386 | 1.247 | 1.249 | 1.055 | 1.139 | 1.090 | 1.206 | 1.151 | 1.200 | 1.190 |
| Netherlands | .939 | .866 | .654 | .465 | .676 | .764 | .628 | .545 | .792 | .790 | .753 | .847 |
| European Net Exporters | | | | | | | | | | | | |
| Norway | -2.837 | -2.716 | -3.042 | -3.057 | -2.950 | -3.051 | -3.310 | -2.970 | -3.180 | -2.954 | -3.391 | -2.954 |
| United Kingdom | -.850 | -1.026 | -.964 | -1.007 | -.904 | -.993 | -.970 | -.785 | -.721 | -.865 | -.846 | -.916 |
| Smaller European Importers | | | | | | | | | | | | |
| Austria | .155 | .158 | .194 | .196 | .214 | .187 | .211 | .187 | .232 | .198 | .212 | .185 |
| Belgium | .509 | .464 | .463 | .524 | .544 | .531 | .702 | .542 | .576 | .531 | .478 | .490 |
| Denmark | .054 | .023 | .027 | .038 | .062 | .005 | .044 | .033 | .074 | .013 | .059 | .029 |
| Ireland | .126 | .097 | .120 | .113 | .107 | .115 | .105 | .111 | .135 | .142 | .108 | .147 |
| Finland | .161 | .112 | .142 | .202 | .208 | .052 | .084 | .064 | .283 | .139 | .071 | .218 |
| Greece | .299 | .284 | .368 | .462 | .313 | .333 | .359 | .353 | .449 | .335 | .294 | .356 |
| Iceland | .020 | .009 | .014 | .020 | .007 | .018 | .011 | .014 | .002 | .002 | .013 | .014 |
| Luxembourg | .034 | .037 | .038 | .036 | .035 | .040 | .042 | .037 | .041 | .039 | .037 | .039 |
| Portugal | .239 | .302 | .347 | .262 | .289 | .274 | .272 | .215 | .320 | .242 | .201 | .361 |
| Sweden | .401 | .250 | .385 | .426 | .365 | .331 | .307 | .384 | .317 | .297 | .263 | .521 |
| Switzerland | .271 | .264 | .245 | .255 | .232 | .249 | .258 | .235 | .238 | .233 | .251 | .269 |
| Turkey | .533 | .728 | .564 | .597 | .619 | .622 | .694 | .442 | .590 | .559 | .485 | .578 |
| Japan | 5.514 | 5.391 | 5.528 | 5.723 | 5.879 | 6.125 | 6.081 | 6.596 | 5.772 | 5.591 | 5.174 | 5.065 |
| Other OECD | .573 | .724 | .601 | .712 | .532 | .730 | .525 | .663 | .657 | .721 | .592 | .810 |

1/ U.S. geographic coverage is the 50 States and District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.
Sources: See end of Section 3.

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

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total | 15.382 | 16.227 | 16.300 | 15.978 | 16.058 | 16.030 | 15.916 | 16.435 | 16.018 | 15.680 | 15.042 | 15.926 |
| United States1/ | 4.130 | 4.747 | 4.178 | 4.408 | 4.076 | 4.247 | 3.866 | 4.274 | 4.181 | 4.615 | 4.457 | 4.757 |
| Canada | .195 | .288 | .274 | .351 | .204 | .390 | .293 | .284 | .232 | .243 | .298 | .307 |
| OECD Europe2/ | 6.125 | 6.353 | 6.678 | 5.947 | 6.615 | 5.881 | 6.495 | 6.157 | 6.254 | 5.827 | 5.681 | 6.308 |
| Main European Importers | | | | | | | | | | | | |
| France | .731 | .925 | 1.059 | .774 | .836 | .803 | .918 | 1.009 | .958 | .928 | .781 | 1.142 |
| Germany3/ | .773 | .698 | .757 | .498 | .646 | .708 | .665 | .669 | .684 | .648 | .623 | .716 |
| Italy | 1.283 | 1.132 | 1.350 | 1.247 | 1.428 | 1.161 | 1.365 | 1.341 | 1.199 | 1.072 | 1.182 | 1.148 |
| Spain | .719 | .824 | .788 | .960 | .982 | .725 | .709 | .844 | .756 | .726 | .852 | .692 |
| Netherlands | .860 | .968 | .935 | .869 | .808 | .721 | .914 | .612 | .815 | .704 | .590 | .827 |
| European Net Exporters | | | | | | | | | | | | |
| Norway | .000 | .000 | .007 | .001 | .000 | .001 | .000 | .000 | .000 | .009 | .000 | .000 |
| United Kingdom | .278 | .271 | .257 | .224 | .251 | .236 | .222 | .220 | .216 | .305 | .247 | .158 |
| Smaller European Importers | | | | | | | | | | | | |
| Austria | .037 | .038 | .134 | .138 | .134 | .019 | .021 | .019 | .000 | .000 | .000 | .000 |
| Belgium | .310 | .304 | .245 | .233 | .298 | .328 | .329 | .267 | .259 | .286 | .283 | .272 |
| Denmark | .037 | .020 | .024 | .025 | .025 | .025 | .026 | .025 | .051 | .024 | .000 | .000 |
| Ireland | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Finland | .014 | .015 | .000 | .000 | .000 | .000 | .000 | .001 | .000 | .000 | .000 | .000 |
| Greece | .266 | .225 | .241 | .284 | .245 | .196 | .254 | .289 | .273 | .293 | .295 | .336 |
| Portugal | .161 | .221 | .199 | .125 | .201 | .147 | .194 | .173 | .313 | .150 | .134 | .300 |
| Sweden | .174 | .048 | .102 | .017 | .133 | .173 | .197 | .195 | .145 | .114 | .138 | .209 |
| Switzerland | .098 | .089 | .080 | .093 | .101 | .107 | .114 | .086 | .084 | .082 | .110 | .062 |
| Turkey | .384 | .577 | .499 | .458 | .527 | .533 | .567 | .408 | .502 | .486 | .445 | .445 |
| Japan | 4.374 | 4.124 | 4.415 | 4.574 | 4.495 | 4.800 | 4.660 | 5.079 | 4.583 | 4.322 | 3.892 | 3.812 |
| Other OECD | .558 | .715 | .755 | .699 | .668 | .711 | .603 | .640 | .768 | .673 | .712 | .742 |

1/ U.S. geographic coverage is the 50 States and District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; 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)

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total | 9.086 | 9.465 | 9.610 | 9.392 | 9.346 | 9.494 | 9.326 | 9.617 | 9.494 | 9.160 | 8.580 | 9.019 |
| United States1/ | 1.534 | 1.685 | 1.521 | 1.660 | 1.574 | 1.523 | 1.341 | 1.543 | 1.467 | 1.743 | 1.521 | 1.812 |
| Canada | .000 | .144 | .140 | .068 | .000 | .179 | .071 | .125 | .186 | .163 | .110 | .130 |
| OECD Europe2/ | 3.282 | 3.581 | 3.719 | 3.243 | 3.408 | 3.302 | 3.530 | 3.222 | 3.389 | 2.979 | 3.118 | 3.318 |
| Main European Importers | | | | | | | | | | | | |
| France | .593 | .655 | .749 | .530 | .530 | .600 | .637 | .604 | .656 | .545 | .465 | .705 |
| Germany3/ | .144 | .179 | .170 | .088 | .098 | .102 | .080 | .118 | .125 | .134 | .187 | .178 |
| Italy | .542 | .469 | .695 | .505 | .626 | .494 | .546 | .601 | .501 | .307 | .516 | .447 |
| Spain | .299 | .363 | .376 | .409 | .400 | .322 | .312 | .353 | .304 | .369 | .372 | .235 |
| Netherlands | .578 | .683 | .617 | .634 | .605 | .532 | .724 | .457 | .636 | .538 | .483 | .580 |
| European Net Exporters | | | | | | | | | | | | |
| Norway | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| United Kingdom | .135 | .149 | .082 | .143 | .087 | .180 | .095 | .116 | .086 | .113 | .120 | .038 |
| Smaller European Importers | | | | | | | | | | | | |
| Austria | .037 | .038 | .050 | .052 | .050 | .019 | .021 | .019 | .000 | .000 | .000 | .000 |
| Belgium | .272 | .280 | .220 | .215 | .274 | .319 | .301 | .242 | .235 | .256 | .257 | .244 |
| Denmark | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Finland | .007 | .007 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Greece | .228 | .172 | .222 | .239 | .232 | .164 | .221 | .250 | .237 | .265 | .261 | .288 |
| Portugal | .038 | .143 | .099 | .039 | .130 | .081 | .110 | .051 | .143 | .036 | .019 | .189 |
| Sweden | .110 | .024 | .077 | .000 | .088 | .121 | .137 | .136 | .100 | .080 | .096 | .141 |
| Switzerland | .009 | .015 | .010 | .005 | .000 | .004 | .000 | .005 | .005 | .009 | .010 | .009 |
| Turkey | .288 | .403 | .353 | .383 | .287 | .363 | .348 | .270 | .361 | .326 | .332 | .265 |
| Japan | 3.982 | 3.699 | 3.912 | 4.031 | 4.046 | 4.239 | 4.103 | 4.514 | 4.097 | 3.948 | 3.513 | 3.383 |
| Other OECD | .288 | .356 | .318 | .390 | .317 | .252 | .281 | .212 | .355 | .327 | .318 | .375 |

1/ U.S. geographic coverage is the 50 States and District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.
Sources: See end of Section 3.

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

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total Net Imports.. | 8.203 | 8.921 | 7.614 | 8.050 | 7.489 | 8.202 | 7.240 | 8.101 | 8.381 | 9.023 | 9.025 | 8.608 |
| Imports from OPEC1/ | 4.130 | 4.747 | 4.178 | 4.408 | 4.076 | 4.247 | 3.866 | 4.274 | 4.181 | 4.615 | 4.457 | 4.757 |
| Imports from Persian Gulf2/ | | | | | | | | | | | | |
| Total..... | 1.534 | 1.685 | 1.521 | 1.660 | 1.574 | 1.523 | 1.341 | 1.543 | 1.467 | 1.743 | 1.521 | 1.812 |
| Bahrain..... | -.004 | -.003 | .000 | -.001 | -.005 | -.003 | -.003 | -.001 | -.003 | .000 | .000 | -.004 |
| Iran..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Kuwait..... | .180 | .187 | .250 | .238 | .215 | .148 | .216 | .127 | .201 | .230 | .388 | .266 |
| U.A.E..... | .018 | .027 | .012 | -.006 | -.013 | -.020 | .000 | -.002 | -.019 | -.005 | -.005 | .002 |
| Qatar..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Saudi Arabia..... | 1.340 | 1.474 | 1.259 | 1.429 | 1.377 | 1.398 | 1.128 | 1.419 | 1.288 | 1.518 | 1.138 | 1.548 |
| Imports from OPEC-Africa | | | | | | | | | | | | |
| Total..... | 1.026 | 1.317 | 1.140 | 1.156 | .975 | 1.174 | 1.024 | .989 | .941 | 1.192 | 1.241 | 1.223 |
| Algeria..... | .298 | .250 | .229 | .241 | .152 | .313 | .200 | .241 | .211 | .333 | .313 | .312 |
| Gabon..... | .246 | .216 | .270 | .271 | .171 | .171 | .191 | .154 | .212 | .154 | .218 | .191 |
| Libya..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Nigeria..... | .482 | .851 | .641 | .644 | .652 | .690 | .633 | .594 | .518 | .705 | .710 | .720 |
| Imports from OPEC-South America | | | | | | | | | | | | |
| Total..... | 1.447 | 1.648 | 1.430 | 1.484 | 1.453 | 1.495 | 1.457 | 1.683 | 1.716 | 1.631 | 1.626 | 1.662 |
| Venezuela..... | 1.447 | 1.648 | 1.430 | 1.484 | 1.453 | 1.495 | 1.457 | 1.683 | 1.716 | 1.631 | 1.626 | 1.662 |
| Imports from OPEC-Far East | | | | | | | | | | | | |
| Total..... | .119 | .094 | .087 | .107 | .069 | .052 | .041 | .058 | .054 | .049 | .069 | .056 |
| Indonesia..... | .119 | .094 | .087 | .107 | .069 | .052 | .041 | .058 | .054 | .049 | .069 | .056 |

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. •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)

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total Net Imports.. | 5.514 | 5.391 | 5.528 | 5.723 | 5.879 | 6.125 | 6.081 | 6.596 | 5.772 | 5.591 | 5.174 | 5.065 |
| Imports from OPEC1/ | 4.374 | 4.124 | 4.415 | 4.574 | 4.495 | 4.800 | 4.660 | 5.079 | 4.583 | 4.322 | 3.892 | 3.812 |
| Imports from Persian Gulf2/ | | | | | | | | | | | | |
| Total..... | 3.982 | 3.699 | 3.912 | 4.031 | 4.046 | 4.239 | 4.103 | 4.514 | 4.097 | 3.948 | 3.513 | 3.383 |
| Bahrain..... | .064 | .033 | .000 | .016 | .039 | .060 | .022 | .032 | .025 | .047 | .042 | .049 |
| Iran..... | .389 | .267 | .439 | .467 | .300 | .446 | .564 | .496 | .483 | .399 | .332 | .182 |
| Kuwait..... | .529 | .569 | .511 | .542 | .516 | .561 | .455 | .545 | .507 | .474 | .449 | .458 |
| U.A.E..... | 1.326 | 1.285 | 1.515 | 1.425 | 1.498 | 1.427 | 1.314 | 1.538 | 1.477 | 1.223 | 1.264 | 1.309 |
| Qatar..... | .308 | .368 | .292 | .363 | .296 | .330 | .353 | .452 | .352 | .409 | .324 | .272 |
| Saudi Arabia..... | 1.366 | 1.177 | 1.154 | 1.219 | 1.396 | 1.414 | 1.395 | 1.452 | 1.252 | 1.396 | 1.104 | 1.113 |
| Imports from OPEC-Africa | | | | | | | | | | | | |
| Total..... | .031 | .038 | .000 | .062 | .000 | .073 | .029 | .098 | .035 | .016 | .019 | .019 |
| Algeria..... | .031 | .038 | .000 | .000 | .000 | .007 | .008 | .018 | .019 | .003 | .019 | .019 |
| Gabon..... | .000 | .000 | .000 | .000 | .000 | .026 | .000 | .020 | .000 | .000 | .000 | .000 |
| Nigeria..... | .000 | .000 | .000 | .062 | .000 | .039 | .021 | .060 | .016 | .012 | .000 | .000 |
| Imports from OPEC-South America | | | | | | | | | | | | |
| Total..... | .000 | .000 | .000 | .000 | .007 | .006 | .000 | .000 | .000 | .010 | .000 | .000 |
| Venezuela..... | .000 | .000 | .000 | .000 | .007 | .006 | .000 | .000 | .000 | .010 | .000 | .000 |
| Imports from OPEC-Far East | | | | | | | | | | | | |
| Total..... | .426 | .420 | .504 | .497 | .482 | .543 | .549 | .499 | .476 | .395 | .402 | .458 |
| Indonesia..... | .426 | .420 | .504 | .497 | .482 | .543 | .549 | .499 | .476 | .395 | .402 | .458 |

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)

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total Net Imports.. | 7.152 | 7.144 | 7.258 | 6.911 | 7.542 | 6.844 | 7.008 | 6.778 | 7.607 | 6.801 | 5.957 | 7.893 |
| Imports from OPEC1/ | 6.125 | 6.353 | 6.678 | 5.947 | 6.615 | 5.881 | 6.495 | 6.157 | 6.254 | 5.827 | 5.681 | 6.308 |
| Imports from Persian Gulf2/ | | | | | | | | | | | | |
| Total..... | 3.282 | 3.581 | 3.719 | 3.243 | 3.408 | 3.302 | 3.530 | 3.222 | 3.389 | 2.979 | 3.118 | 3.318 |
| Bahrain..... | .000 | .001 | .001 | .000 | .000 | .003 | .000 | .000 | .000 | .000 | .000 | .000 |
| Iran..... | 1.142 | 1.200 | 1.273 | 1.085 | 1.260 | 1.061 | 1.259 | 1.178 | 1.105 | 1.072 | 1.230 | 1.344 |
| Iraq..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Kuwait..... | .273 | .231 | .219 | .283 | .302 | .281 | .447 | .301 | .299 | .268 | .202 | .320 |
| U.A.E..... | .019 | .020 | .016 | .005 | .000 | .004 | .004 | .000 | .000 | .000 | .000 | .000 |
| Qatar..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .019 | .000 | .000 | .000 | .000 |
| Saudi Arabia..... | 1.848 | 2.128 | 2.210 | 1.870 | 1.846 | 1.954 | 1.820 | 1.725 | 1.985 | 1.639 | 1.685 | 1.655 |
| Imports from OPEC-Africa | | | | | | | | | | | | |
| Total..... | 2.535 | 2.499 | 2.630 | 2.451 | 2.929 | 2.433 | 2.734 | 2.689 | 2.609 | 2.568 | 2.349 | 2.737 |
| Algeria..... | .544 | .828 | .762 | .666 | .934 | .684 | .835 | .729 | .743 | .642 | .666 | .731 |
| Gabon..... | .030 | .000 | .012 | .035 | .030 | .045 | .070 | .012 | .000 | .009 | .033 | .020 |
| Libya..... | 1.272 | 1.159 | 1.173 | 1.121 | 1.311 | 1.204 | 1.187 | 1.257 | 1.202 | 1.201 | 1.099 | 1.379 |
| Nigeria..... | .689 | .512 | .684 | .630 | .655 | .500 | .642 | .692 | .664 | .716 | .550 | .608 |
| Imports from OPEC-South America | | | | | | | | | | | | |
| Total..... | .291 | .258 | .315 | .235 | .260 | .115 | .213 | .218 | .249 | .263 | .197 | .236 |
| Venezuela..... | .291 | .258 | .315 | .235 | .260 | .115 | .213 | .218 | .249 | .263 | .197 | .236 |
| Imports from OPEC-Far East | | | | | | | | | | | | |
| Total..... | .016 | .017 | .016 | .018 | .017 | .035 | .018 | .028 | .007 | .017 | .018 | .017 |
| Indonesia..... | .016 | .017 | .016 | .018 | .017 | .035 | .018 | .028 | .007 | .017 | .018 | .017 |

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.
Sources: See end of Section 3.

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

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total Net Imports.. | 1.504 | 1.745 | 1.638 | 1.713 | 1.778 | 1.596 | 1.818 | 1.764 | 1.928 | 1.556 | 1.457 | 1.895 |
| Imports from OPEC1/ | .731 | .925 | 1.059 | .774 | .836 | .803 | .918 | 1.009 | .958 | .928 | .781 | 1.142 |
| Imports from Persian Gulf2/ | | | | | | | | | | | | |
| Total..... | .593 | .655 | .749 | .530 | .530 | .600 | .637 | .604 | .656 | .545 | .465 | .705 |
| Bahrain..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Iran..... | .284 | .159 | .251 | .203 | .217 | .227 | .129 | .254 | .192 | .145 | .164 | .246 |
| Kuwait..... | .063 | .000 | .000 | .002 | .000 | .000 | .000 | .000 | .062 | .000 | .000 | .063 |
| U.A.E..... | .000 | .000 | .016 | .000 | .000 | .000 | .001 | .000 | .000 | .000 | .000 | .000 |
| Qatar..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Saudi Arabia..... | .246 | .496 | .482 | .324 | .313 | .372 | .507 | .351 | .402 | .401 | .301 | .395 |
| Imports from OPEC-Africa | | | | | | | | | | | | |
| Total..... | .137 | .265 | .311 | .245 | .307 | .195 | .282 | .405 | .303 | .382 | .316 | .437 |
| Algeria..... | .043 | .115 | .134 | .120 | .107 | .061 | .039 | .134 | .138 | .112 | .118 | .089 |
| Gabon..... | .000 | .000 | .000 | .000 | .030 | .036 | .034 | .000 | .000 | .000 | .033 | .000 |
| Libya..... | .047 | .027 | .046 | .028 | .022 | .041 | .037 | .065 | .026 | .032 | .028 | .075 |
| Nigeria..... | .048 | .123 | .131 | .098 | .149 | .056 | .172 | .206 | .138 | .238 | .137 | .273 |
| Imports from OPEC-South America | | | | | | | | | | | | |
| Total..... | .000 | .005 | .000 | .000 | .000 | .009 | .000 | .000 | .000 | .000 | .000 | .000 |
| Venezuela..... | .000 | .005 | .000 | .000 | .000 | .009 | .000 | .000 | .000 | .000 | .000 | .000 |
| Imports from OPEC-Far East | | | | | | | | | | | | |
| Total..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Indonesia..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |

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)

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total Net Imports.. | 2.751 | 2.712 | 2.754 | 2.556 | 2.704 | 2.781 | 2.849 | 2.694 | 2.632 | 2.663 | 2.700 | 2.873 |
| Imports from OPEC1/ | .773 | .698 | .757 | .498 | .646 | .708 | .665 | .669 | .684 | .648 | .623 | .716 |
| Imports from Persian Gulf2/ | | | | | | | | | | | | |
| Total..... | .144 | .179 | .170 | .088 | .098 | .102 | .080 | .118 | .125 | .134 | .187 | .178 |
| Bahrain..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Iran..... | .015 | .030 | .037 | .011 | .006 | .018 | .001 | .018 | .007 | .004 | .038 | .033 |
| Kuwait..... | .012 | .010 | .011 | .019 | .010 | .014 | .006 | .018 | .021 | .012 | .005 | .016 |
| U.A.E..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Qatar..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Saudi Arabia..... | .117 | .139 | .123 | .058 | .083 | .070 | .073 | .082 | .097 | .117 | .144 | .129 |
| Imports from OPEC-Africa | | | | | | | | | | | | |
| Total..... | .565 | .450 | .507 | .327 | .488 | .566 | .536 | .536 | .468 | .440 | .394 | .462 |
| Algeria..... | .114 | .165 | .147 | .106 | .134 | .208 | .197 | .148 | .184 | .162 | .079 | .115 |
| Gabon..... | .001 | .000 | .012 | .005 | .000 | .000 | .027 | .003 | .000 | .000 | .000 | .000 |
| Libya..... | .289 | .206 | .261 | .164 | .280 | .267 | .262 | .257 | .263 | .185 | .214 | .320 |
| Nigeria..... | .161 | .079 | .087 | .051 | .074 | .090 | .050 | .128 | .021 | .092 | .101 | .027 |
| Imports from OPEC-South America | | | | | | | | | | | | |
| Total..... | .064 | .069 | .080 | .083 | .060 | .040 | .049 | .014 | .091 | .073 | .042 | .076 |
| Venezuela..... | .064 | .069 | .080 | .083 | .060 | .040 | .049 | .014 | .091 | .073 | .042 | .076 |
| 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)

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total Net Imports.. | 1.759 | 1.591 | 1.925 | 1.862 | 1.991 | 1.934 | 1.764 | 1.822 | 1.691 | 1.729 | 1.611 | 1.749 |
| Imports from OPEC1/ | 1.283 | 1.132 | 1.350 | 1.247 | 1.428 | 1.161 | 1.365 | 1.341 | 1.199 | 1.072 | 1.182 | 1.148 |
| Imports from Persian Gulf2/ | | | | | | | | | | | | |
| Total..... | .542 | .469 | .695 | .505 | .626 | .494 | .546 | .601 | .501 | .307 | .516 | .447 |
| Bahrain..... | .000 | .001 | .001 | .000 | .000 | .003 | .000 | .000 | .000 | .000 | .000 | .000 |
| Iran..... | .292 | .180 | .411 | .305 | .308 | .234 | .336 | .295 | .228 | .115 | .297 | .281 |
| Kuwait..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| U.A.E..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Qatar..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .019 | .000 | .000 | .000 | .000 |
| Saudi Arabia..... | .250 | .288 | .283 | .201 | .317 | .258 | .211 | .287 | .273 | .192 | .219 | .165 |
| Imports from OPEC-Africa | | | | | | | | | | | | |
| Total..... | .708 | .630 | .620 | .706 | .768 | .635 | .801 | .713 | .681 | .715 | .648 | .684 |
| Algeria..... | .089 | .116 | .044 | .130 | .168 | .083 | .147 | .089 | .081 | .116 | .096 | .123 |
| Gabon..... | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .020 |
| Libya..... | .619 | .484 | .543 | .556 | .579 | .552 | .591 | .623 | .600 | .561 | .552 | .541 |
| Nigeria..... | .000 | .029 | .033 | .020 | .021 | .000 | .063 | .000 | .000 | .039 | .000 | .000 |
| Imports from OPEC-South America | | | | | | | | | | | | |
| Total..... | .017 | .018 | .021 | .018 | .017 | .000 | .000 | .000 | .010 | .034 | .000 | .000 |
| Venezuela..... | .017 | .018 | .021 | .018 | .017 | .000 | .000 | .000 | .010 | .034 | .000 | .000 |
| Imports from OPEC-Far East | | | | | | | | | | | | |
| Total..... | .016 | .017 | .016 | .017 | .017 | .034 | .018 | .028 | .007 | .017 | .018 | .017 |
| Indonesia..... | .016 | .017 | .016 | .017 | .017 | .034 | .018 | .028 | .007 | .017 | .018 | .017 |

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.
Sources: See end of Section 3.

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

| | 1995 | | | | | 1996 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | August | Sept | Oct | Nov | Dec | Jan | Feb | Mar | April | May | June | July |
| Total | 1.025 | 0.987 | 0.989 | 1.072 | 1.033 | 1.113 | 1.129 | 0.983 | 1.010 | 0.982 | 1.041 | 1.073 |
| United States1/ | .180 | .187 | .250 | .238 | .215 | .148 | .216 | .127 | .201 | .230 | .388 | .266 |
| Canada | .000 | .000 | .000 | .000 | .000 | .113 | .000 | .000 | .000 | .000 | .000 | .000 |
| OECD Europe2/ | .273 | .231 | .219 | .283 | .302 | .281 | .447 | .301 | .299 | .268 | .202 | .320 |
| Main European Importers | | | | | | | | | | | | |
| France | .063 | .000 | .000 | .002 | .000 | .000 | .000 | .000 | .062 | .000 | .000 | .063 |
| Germany3/ | .012 | .010 | .011 | .019 | .010 | .014 | .006 | .018 | .021 | .012 | .005 | .016 |
| Italy | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Spain | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Netherlands | .153 | .176 | .153 | .217 | .191 | .168 | .350 | .158 | .147 | .210 | .121 | .240 |
| European Net Exporters | | | | | | | | | | | | |
| Norway | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| United Kingdom | .029 | .030 | .056 | .029 | .028 | .030 | .033 | .057 | .030 | .029 | .059 | .000 |
| Smaller European Importers | | | | | | | | | | | | |
| Austria | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Belgium | .000 | .000 | .000 | .000 | .043 | .053 | .042 | .052 | .025 | .001 | .000 | .000 |
| Denmark | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Greece | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Portugal | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Sweden | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Switzerland | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Turkey | .015 | .016 | .000 | .016 | .031 | .016 | .016 | .016 | .016 | .016 | .016 | .000 |
| Japan | .529 | .569 | .511 | .542 | .516 | .561 | .455 | .545 | .507 | .474 | .449 | .458 |
| Other OECD | .043 | .000 | .009 | .009 | .000 | .010 | .011 | .010 | .002 | .010 | .003 | .029 |

1/ U.S. geographic coverage is the 50 States and District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (–) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.
Sources: See end of Section 3.

# Sources for Section 3 (International Oil Imports)

Oil Imports

United States: • Energy Information Administration (EIA), Petroleum Supply Annual 1995 and Petroleum Supply Monthly, October 1996. Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics data base, 1991-1996.

# 4. Historical Oil Data Series

## 1970-1995

## Table 4.1a World Crude Oil Production (Including Lease Condensate), 1970–1995
(Thousand Barrels per Day)

| | Algeria | Gabon | Indonesia | Iran | Iraq | Kuwait1/ | Libya | Nigeria | Qatar | Saudi Arabia1/ | United Arab Emirates | Venezuela | Total OPEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1970 Average..... | 1,029 | 109 | 854 | 3,829 | 1,549 | 2,990 | 3,318 | 1,083 | 362 | 3,799 | 780 | 3,708 | 23,410 |
| 1971 Average..... | 785 | 115 | 892 | 4,540 | 1,694 | 3,197 | 2,761 | 1,531 | 431 | 4,769 | 1,060 | 3,549 | 25,324 |
| 1972 Average..... | 1,062 | 125 | 1,081 | 5,023 | 1,466 | 3,283 | 2,239 | 1,816 | 482 | 6,016 | 1,203 | 3,220 | 27,016 |
| 1973 Average..... | 1,097 | 150 | 1,339 | 5,861 | 2,018 | 3,020 | 2,175 | 2,054 | 570 | 7,596 | 1,533 | 3,366 | 30,779 |
| 1974 Average..... | 1,009 | 202 | 1,375 | 6,022 | 1,971 | 2,546 | 1,521 | 2,255 | 518 | 8,480 | 1,679 | 2,976 | 30,552 |
| 1975 Average..... | 983 | 223 | 1,307 | 5,350 | 2,262 | 2,084 | 1,480 | 1,783 | 438 | 7,075 | 1,664 | 2,346 | 26,994 |
| 1976 Average..... | 1,075 | 223 | 1,504 | 5,883 | 2,415 | 2,145 | 1,933 | 2,067 | 497 | 8,577 | 1,936 | 2,294 | 30,549 |
| 1977 Average..... | 1,152 | 222 | 1,686 | 5,663 | 2,348 | 1,969 | 2,063 | 2,085 | 445 | 9,245 | 1,999 | 2,238 | 31,115 |
| 1978 Average..... | 1,231 | 209 | 1,635 | 5,242 | 2,563 | 2,131 | 1,983 | 1,897 | 487 | 8,301 | 1,831 | 2,165 | 29,673 |
| 1979 Average..... | 1,224 | 203 | 1,591 | 3,168 | 3,477 | 2,500 | 2,092 | 2,302 | 508 | 9,532 | 1,831 | 2,356 | 30,784 |
| 1980 Average..... | 1,106 | 175 | 1,577 | 1,662 | 2,514 | 1,656 | 1,787 | 2,055 | 472 | 9,900 | 1,709 | 2,168 | 26,781 |
| 1981 Average..... | 1,002 | 151 | 1,605 | 1,380 | 1,000 | 1,125 | 1,140 | 1,433 | 405 | 9,815 | 1,474 | 2,102 | 22,632 |
| 1982 Average..... | 987 | 156 | 1,339 | 2,214 | 1,012 | 823 | 1,150 | 1,295 | 330 | 6,483 | 1,250 | 1,895 | 18,934 |
| 1983 Average..... | 968 | 157 | 1,343 | 2,440 | 1,005 | 1,064 | 1,105 | 1,241 | 295 | 5,086 | 1,149 | 1,801 | 17,654 |
| 1984 Average..... | 1,014 | 157 | 1,412 | 2,174 | 1,209 | 1,157 | 1,087 | 1,388 | 394 | 4,663 | 1,146 | 1,798 | 17,599 |
| 1985 Average..... | 1,037 | 172 | 1,325 | 2,250 | 1,433 | 1,023 | 1,059 | 1,495 | 301 | 3,388 | 1,193 | 1,677 | 16,353 |
| 1986 Average..... | 945 | 166 | 1,390 | 2,035 | 1,690 | 1,419 | 1,034 | 1,467 | 308 | 4,870 | 1,330 | 1,787 | 18,441 |
| 1987 Average..... | 1,048 | 155 | 1,343 | 2,298 | 2,079 | 1,585 | 972 | 1,341 | 293 | 4,265 | 1,541 | 1,752 | 18,672 |
| 1988 Average..... | 1,040 | 159 | 1,342 | 2,240 | 2,685 | 1,492 | 1,175 | 1,450 | 346 | 5,086 | 1,565 | 1,903 | 20,483 |
| 1989 Average..... | 1,095 | 208 | 1,409 | 2,810 | 2,897 | 1,783 | 1,150 | 1,716 | 380 | 5,064 | 1,860 | 1,907 | 22,279 |
| 1990 Average..... | 1,175 | 270 | 1,462 | 3,088 | 2,040 | 1,175 | 1,375 | 1,810 | 406 | 6,410 | 2,117 | 2,137 | 23,465 |
| 1991 Average..... | 1,230 | 294 | 1,592 | 3,312 | 305 | 190 | 1,483 | 1,892 | 395 | 8,115 | 2,386 | 2,375 | 23,569 |
| 1992 Average..... | 1,214 | 298 | 1,504 | 3,429 | 425 | 1,058 | 1,433 | 1,943 | 423 | 8,332 | 2,266 | 2,371 | 24,695 |
| 1993 Average..... | 1,162 | 313 | 1,511 | 3,540 | 512 | 1,852 | 1,361 | 1,960 | 413 | 8,198 | 2,159 | 2,450 | 25,431 |
| 1994 Average..... | 1,180 | 329 | 1,514 | 3,635 | 553 | 2,034 | 1,378 | 2,037 | 444 | 8,147 | 2,263 | 2,588 | 26,101 |
| 1995 Average P..... | 1,197 | 341 | 1,523 | 3,643 | 555 | 2,057 | 1,390 | 2,028 | 483 | 8,231 | 2,274 | 2,750 | 26,473 |

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

P=Preliminary.

Notes: •OPEC=Organization of Petroleum Exporting Countries.

Sources: See end of Section 4.

## Table 4.1b World Crude Oil Production (Including Lease Condensate), 1970–1995
(Thousand Barrels per Day)

| | Norway | United Kingdom | North Sea1/ | Angola | Argen-tina | Austra-lia | 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..... | 2,230 | 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 | 538 | 650 | 536 | 671 | 1,793 | 2,939 | 455 | 379 |
| 1995 Average P..... | 2,768 | 2,489 | 5,406 | 646 | 713 | 562 | 695 | 1,817 | 3,015 | 589 | 392 |

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), 1970-1995
(Thousand Barrels per Day)

| | Egypt | India | Malaysia | Mexico | Oman | Russia | Former U.S.S.R. | Syria | United States | Other1/ | World |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1970 Average..... | 326 | 144 | 18 | 487 | 332 | -- | 6,985 | 80 | 9,637 | 1,529 | 45,886 |
| 1971 Average..... | 293 | 143 | 69 | 486 | 294 | -- | 7,475 | 100 | 9,463 | 1,518 | 48,518 |
| 1972 Average..... | 231 | 156 | 93 | 505 | 282 | -- | 7,890 | 124 | 9,441 | 1,592 | 51,138 |
| 1973 Average..... | 165 | 147 | 91 | 465 | 293 | -- | 8,324 | 105 | 9,208 | 1,667 | 55,679 |
| 1974 Average..... | 150 | 156 | 81 | 571 | 290 | -- | 8,912 | 124 | 8,774 | 1,711 | 55,716 |
| 1975 Average..... | 235 | 165 | 98 | 705 | 343 | -- | 9,523 | 170 | 8,375 | 1,636 | 52,828 |
| 1976 Average..... | 330 | 175 | 165 | 831 | 366 | -- | 10,060 | 175 | 8,132 | 1,620 | 57,344 |
| 1977 Average..... | 415 | 199 | 184 | 981 | 341 | -- | 10,603 | 188 | 8,245 | 1,655 | 59,707 |
| 1978 Average..... | 485 | 226 | 217 | 1,209 | 315 | -- | 11,105 | 170 | 8,707 | 1,706 | 60,158 |
| 1979 Average..... | 525 | 245 | 283 | 1,461 | 295 | -- | 11,384 | 166 | 8,552 | 1,821 | 62,674 |
| 1980 Average..... | 595 | 182 | 283 | 1,936 | 282 | -- | 11,706 | 164 | 8,597 | 1,842 | 59,600 |
| 1981 Average..... | 598 | 325 | 264 | 2,313 | 319 | -- | 11,850 | 166 | 8,572 | 1,859 | 56,076 |
| 1982 Average..... | 670 | 390 | 306 | 2,748 | 324 | -- | 11,912 | 160 | 8,649 | 1,892 | 53,481 |
| 1983 Average..... | 727 | 480 | 365 | 2,689 | 375 | -- | 11,972 | 167 | 8,688 | 1,946 | 53,256 |
| 1984 Average..... | 822 | 519 | 440 | 2,780 | 414 | -- | 11,861 | 170 | 8,879 | 2,015 | 54,489 |
| 1985 Average..... | 887 | 620 | 440 | 2,745 | 498 | -- | 11,585 | 178 | 8,971 | 2,124 | 53,982 |
| 1986 Average..... | 813 | 630 | 504 | 2,435 | 560 | -- | 11,895 | 194 | 8,680 | 2,166 | 56,227 |
| 1987 Average..... | 896 | 609 | 497 | 2,548 | 582 | -- | 12,050 | 230 | 8,349 | 2,120 | 56,666 |
| 1988 Average..... | 848 | 635 | 540 | 2,512 | 617 | -- | 12,053 | 265 | 8,140 | 2,235 | 58,737 |
| 1989 Average..... | 865 | 700 | 585 | 2,520 | 641 | -- | 11,715 | 340 | 7,613 | 2,249 | 59,863 |
| 1990 Average..... | 873 | 660 | 619 | 2,553 | 685 | -- | 10,975 | 388 | 7,355 | 2,253 | 60,566 |
| 1991 Average..... | 874 | 615 | 646 | 2,680 | 700 | -- | 9,992 | 492 | 7,417 | 2,274 | 60,207 |
| 1992 Average..... | 881 | 561 | 653 | 2,669 | 740 | 7,632 | -- | 481 | 7,171 | 3,233 | 60,216 |
| 1993 Average..... | 890 | 534 | 640 | 2,673 | 776 | 6,730 | -- | 554 | 6,847 | 3,288 | 60,246 |
| 1994 Average..... | 896 | 590 | 645 | 2,689 | 815 | 6,135 | -- | 560 | 6,662 | 3,408 | 61,358 |
| 1995 Average P.... | 920 | 703 | 682 | 2,618 | 851 | 5,768 | -- | 610 | 6,560 | 3,358 | 62,230 |

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), 1980–1995
(Thousand Barrels per Day)

| | Algeria | Gabon | Indo-nesia | Iran | Iraq | Kuwait1/ | Libya | Nigeria | Qatar | Saudi Arabia1/ | United Arab Emirates | Vene-zuela | Total OPEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1980 Average... | 1,006 | 175 | 1,497 | 1,662 | 2,514 | 1,656 | 1,787 | 2,045 | 472 | 9,900 | 1,704 | 2,147 | 26,565 |
| 1981 Average... | 802 | 151 | 1,513 | 1,380 | 1,000 | 1,125 | 1,140 | 1,423 | 405 | 9,815 | 1,469 | 2,083 | 22,306 |
| 1982 Average... | 712 | 156 | 1,247 | 2,214 | 1,012 | 823 | 1,150 | 1,285 | 330 | 6,483 | 1,215 | 1,878 | 18,505 |
| 1983 Average... | 648 | 157 | 1,245 | 2,440 | 1,005 | 1,064 | 1,105 | 1,231 | 295 | 5,086 | 1,109 | 1,768 | 17,153 |
| 1984 Average... | 694 | 157 | 1,279 | 2,174 | 1,209 | 1,157 | 1,087 | 1,368 | 394 | 4,663 | 1,091 | 1,689 | 16,962 |
| 1985 Average... | 702 | 172 | 1,181 | 2,250 | 1,433 | 1,023 | 1,059 | 1,475 | 301 | 3,388 | 1,133 | 1,558 | 15,675 |
| 1986 Average... | 600 | 166 | 1,257 | 2,035 | 1,690 | 1,419 | 1,034 | 1,447 | 308 | 4,870 | 1,270 | 1,645 | 17,741 |
| 1987 Average... | 648 | 155 | 1,189 | 2,298 | 2,079 | 1,585 | 972 | 1,291 | 293 | 4,265 | 1,441 | 1,587 | 17,803 |
| 1988 Average... | 640 | 159 | 1,177 | 2,240 | 2,685 | 1,492 | 1,175 | 1,400 | 346 | 5,086 | 1,465 | 1,715 | 19,580 |
| 1989 Average... | 690 | 208 | 1,231 | 2,810 | 2,897 | 1,783 | 1,150 | 1,666 | 380 | 5,064 | 1,783 | 1,747 | 21,409 |
| 1990 Average... | 765 | 277 | 1,281 | 3,088 | 2,040 | 1,175 | 1,375 | 1,755 | 406 | 6,410 | 2,066 | 2,097 | 22,735 |
| 1991 Average... | 800 | 294 | 1,410 | 3,312 | 305 | 190 | 1,483 | 1,832 | 395 | 8,115 | 2,326 | 2,338 | 22,800 |
| 1992 Average... | 772 | 298 | 1,326 | 3,429 | 425 | 1,058 | 1,433 | 1,820 | 423 | 8,332 | 2,206 | 2,334 | 23,856 |
| 1993 Average... | 747 | 313 | 1,327 | 3,540 | 512 | 1,852 | 1,361 | 1,835 | 413 | 8,198 | 2,109 | 2,410 | 24,617 |
| 1994 Average... | 750 | 329 | 1,334 | 3,600 | 548 | 2,034 | 1,378 | 1,887 | 409 | 8,147 | 2,183 | 2,542 | 25,141 |
| 1995 Average P. | 767 | 341 | 1,343 | 3,608 | 550 | 2,057 | 1,390 | 1,876 | 449 | 8,231 | 2,197 | 2,710 | 25,520 |

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

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, 1970-1995
(Thousand Barrels per Day)

| | Algeria | Canada | Mexico | Saudi Arabia | Former USSR | United States1/ | Persian Gulf2/ | OAPEC3/ | OPEC3/ | 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 | 390 | 1,697 | 1,003 | 1,185 | 1,364 | 4,973 |
| 1993 Average..... | 145 | 506 | 459 | 704 | 380 | 1,736 | 1,040 | 1,238 | 1,435 | 5,169 |
| 1994 Average..... | 140 | 539 | 461 | 698 | 340 | 1,727 | 1,081 | 1,272 | 1,475 | 5,297 |
| 1995 Average P.... | 145 | 574 | 447 | 701 | 410 | 1,762 | 1,086 | 1,282 | 1,456 | 5,512 |

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, 1970–1995
(Thousand Barrels per Day)

| | United States1/ | Persian Gulf2/ | OAPEC3/ | OPEC3/ | World |
|---|---|---|---|---|---|
| 1970 Average | 11,673 | 13,541 | 14,571 | 23,676 | 48,986 |
| 1971 Average | 11,554 | 15,940 | 15,427 | 25,629 | 51,766 |
| 1972 Average | 11,601 | 17,734 | 16,451 | 27,353 | 54,574 |
| 1973 Average | 11,428 | 20,895 | 18,656 | 31,165 | 59,300 |
| 1974 Average | 10,978 | 21,550 | 18,399 | 30,964 | 59,391 |
| 1975 Average | 10,505 | 19,223 | 16,831 | 27,441 | 56,511 |
| 1976 Average | 10,251 | 21,847 | 19,563 | 31,064 | 61,121 |
| 1977 Average | 10,437 | 22,098 | 20,372 | 31,665 | 63,665 |
| 1978 Average | 10,820 | 21,067 | 19,819 | 30,329 | 64,225 |
| 1979 Average | 10,707 | 21,569 | 22,575 | 31,503 | 66,973 |
| 1980 Average | 10,809 | 18,541 | 20,715 | 27,595 | 64,153 |
| 1981 Average | 10,739 | 15,894 | 17,619 | 23,545 | 60,763 |
| 1982 Average | 10,783 | 12,815 | 13,786 | 19,859 | 58,226 |
| 1983 Average | 10,788 | 11,676 | 12,416 | 18,510 | 58,056 |
| 1984 Average | 11,107 | 11,433 | 12,619 | 18,547 | 59,645 |
| 1985 Average | 11,192 | 10,320 | 11,498 | 17,324 | 59,264 |
| 1986 Average | 10,905 | 12,441 | 13,653 | 19,477 | 61,771 |
| 1987 Average | 10,648 | 12,869 | 13,992 | 19,745 | 62,429 |
| 1988 Average | 10,473 | 14,310 | 15,662 | 21,625 | 64,707 |
| 1989 Average | 9,880 | 15,733 | 16,658 | 23,532 | 65,894 |
| 1990 Average | 9,677 | 16,249 | 17,232 | 24,807 | 66,756 |
| 1991 Average | 9,883 | 15,704 | 16,747 | 24,920 | 66,634 |
| 1992 Average | 9,768 | 17,010 | 17,871 | 26,117 | 66,937 |
| 1993 Average | 9,602 | 17,792 | 18,505 | 26,923 | 67,343 |
| 1994 Average | 9,413 | 18,234 | 18,885 | 27,633 | 68,585 |
| 1995 Average P | 9,400 | 18,403 | 19,152 | 27,987 | 69,796 |

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 gain. See Explanatory Note 1 in Appendix B.
Sources: See end of Section 4.

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

| | France | Italy | Germany1/ | United Kingdom | OECD Europe2/ | United States3/ | Canada | Japan | Other4/ | Total OECD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1973 December..... | 201 | 152 | 181 | 156 | 1,070 | 1,008 | 140 | 303 | 67 | 2,588 |
| 1974 December..... | 249 | 167 | 213 | 191 | 1,227 | 1,074 | 145 | 370 | 64 | 2,880 |
| 1975 December..... | 225 | 143 | 187 | 165 | 1,154 | 1,133 | 174 | 375 | 67 | 2,903 |
| 1976 December..... | 234 | 143 | 208 | 165 | 1,205 | 1,112 | 153 | 380 | 68 | 2,918 |
| 1977 December..... | 239 | 161 | 225 | 148 | 1,268 | 1,312 | 167 | 409 | 68 | 3,224 |
| 1978 December..... | 201 | 154 | 238 | 157 | 1,219 | 1,278 | 144 | 413 | 68 | 3,122 |
| 1979 December..... | 226 | 163 | 272 | 169 | 1,353 | 1,341 | 150 | 460 | 75 | 3,379 |
| 1980 December..... | 243 | 170 | 319 | 168 | 1,464 | 1,392 | 164 | 495 | 72 | 3,587 |
| 1981 December..... | 214 | 167 | 297 | 143 | 1,337 | 1,484 | 161 | 482 | 67 | 3,531 |
| 1982 December..... | 193 | 179 | 272 | 125 | 1,258 | 1,430 | 136 | 484 | 68 | 3,376 |
| 1983 December..... | 153 | 149 | 249 | 118 | 1,142 | 1,454 | 121 | 470 | 68 | 3,255 |
| 1984 December..... | 152 | 159 | 239 | 112 | 1,130 | 1,556 | 128 | 479 | 69 | 3,362 |
| 1985 December..... | 139 | 157 | 233 | 123 | 1,092 | 1,519 | 113 | 494 | 66 | 3,284 |
| 1986 December..... | 127 | 155 | 252 | 124 | 1,133 | 1,593 | 111 | 509 | 72 | 3,418 |
| 1987 December..... | 127 | 169 | 259 | 121 | 1,130 | 1,607 | 126 | 540 | 71 | 3,474 |
| 1988 December..... | 140 | 155 | 266 | 112 | 1,118 | 1,597 | 116 | 538 | 71 | 3,440 |
| 1989 December..... | 138 | 164 | 271 | 118 | 1,133 | 1,581 | 114 | 577 | 71 | 3,476 |
| 1990 December..... | 140 | 172 | 265 | 112 | 1,163 | 1,621 | 121 | 590 | 73 | 3,568 |
| 1991 December..... | 153 | 160 | 288 | 119 | 1,181 | 1,617 | 119 | 606 | 65 | 3,588 |
| 1992 December..... | 146 | 174 | 310 | 113 | 1,219 | 1,592 | 107 | 603 | 67 | 3,588 |
| 1993 December..... | 158 | 163 | 309 | 118 | 1,221 | 1,647 | 105 | 618 | 69 | 3,661 |
| 1994 December .... | 158 | 164 | 312 | 115 | 1,240 | 1,653 | 119 | 645 | 69 | 3,726 |
| 1995 December P.... | 159 | 162 | 301 | 107 | 1,228 | 1,563 | 109 | 630 | 71 | 3,601 |

1/ Data through December 1990 are for the former West Germany. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ U.S. geographic coverage is the 50 States and the District of Columbia. In the United States in January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported. Using the new basis, the end-of-year U.S. stocks, in million barrels, would have been 1,121 in 1974, 1,425 in 1980, and 1,461 in 1982.
4/ "Other" consists of Australia, New Zealand, and the U.S. Territories.
P=Preliminary.
Note: Oil Stocks - See Explanatory Note 2 in Appendix B.
Sources: See end of Section 4.

## Table 4.6 OECD Oil Demand, 1970–1995
(Thousand Barrels per Day)

| | France | Italy | Germany1/ | United Kingdom | OECD Europe2/ | United States3/ | Canada | Japan | Other4/ | OECD Excluding East Germany | East Germany | OECD Including East Germany | World Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1970 Average... | 1,937 | 1,710 | 2,607 | 2,096 | 12,404 | 14,697 | 1,516 | 3,817 | 836 | 33,270 | 223 | 33,493 | 46,808 |
| 1971 Average... | 2,115 | 1,838 | 2,702 | 2,141 | 13,005 | 15,213 | 1,565 | 4,142 | 831 | 34,755 | 238 | 34,993 | 49,416 |
| 1972 Average... | 2,322 | 1,947 | 2,859 | 2,284 | 13,934 | 16,367 | 1,664 | 4,363 | 948 | 37,275 | 270 | 37,545 | 53,094 |
| 1973 Average... | 2,601 | 2,068 | 3,055 | 2,341 | 14,925 | 17,308 | 1,729 | 4,949 | 988 | 39,900 | 282 | 40,182 | 57,237 |
| 1974 Average... | 2,447 | 2,004 | 2,748 | 2,210 | 13,988 | 16,653 | 1,779 | 4,864 | 1,095 | 38,379 | 307 | 38,686 | 56,677 |
| 1975 Average... | 2,252 | 1,855 | 2,650 | 1,911 | 13,217 | 16,322 | 1,779 | 4,621 | 1,041 | 36,980 | 307 | 37,287 | 56,198 |
| 1976 Average... | 2,420 | 1,971 | 2,877 | 1,892 | 14,124 | 17,461 | 1,818 | 4,837 | 1,119 | 39,358 | 329 | 39,687 | 59,673 |
| 1977 Average... | 2,294 | 1,897 | 2,865 | 1,905 | 13,916 | 18,431 | 1,850 | 4,880 | 1,160 | 40,237 | 347 | 40,584 | 61,826 |
| 1978 Average... | 2,408 | 1,952 | 2,927 | 1,938 | 14,290 | 18,847 | 1,902 | 4,945 | 1,204 | 41,187 | 363 | 41,550 | 64,158 |
| 1979 Average... | 2,463 | 2,039 | 3,003 | 1,971 | 14,667 | 18,513 | 1,971 | 5,050 | 1,178 | 41,379 | 369 | 41,748 | 65,220 |
| 1980 Average... | 2,256 | 1,934 | 2,707 | 1,725 | 13,634 | 17,056 | 1,873 | 4,960 | 1,072 | 38,595 | 375 | 38,970 | 63,067 |
| 1981 Average... | 2,023 | 1,874 | 2,449 | 1,590 | 12,515 | 16,058 | 1,768 | 4,848 | 1,080 | 36,269 | 355 | 36,624 | 60,903 |
| 1982 Average... | 1,880 | 1,781 | 2,372 | 1,590 | 12,053 | 15,296 | 1,578 | 4,582 | 1,008 | 34,517 | 371 | 34,888 | 59,503 |
| 1983 Average... | 1,835 | 1,750 | 2,324 | 1,531 | 11,765 | 15,231 | 1,448 | 4,395 | 954 | 33,793 | 336 | 34,129 | 58,744 |
| 1984 Average... | 1,754 | 1,646 | 2,322 | 1,849 | 11,736 | 15,726 | 1,472 | 4,576 | 989 | 34,500 | 340 | 34,840 | 59,836 |
| 1985 Average... | 1,775 | 1,717 | 2,338 | 1,634 | 11,681 | 15,726 | 1,504 | 4,384 | 976 | 34,271 | 362 | 34,633 | 60,098 |
| 1986 Average... | 1,772 | 1,738 | 2,498 | 1,649 | 12,102 | 16,281 | 1,506 | 4,439 | 951 | 35,279 | 362 | 35,641 | 61,762 |
| 1987 Average... | 1,789 | 1,855 | 2,424 | 1,603 | 12,255 | 16,665 | 1,548 | 4,484 | 959 | 35,911 | 342 | 36,253 | 63,010 |
| 1988 Average... | 1,797 | 1,836 | 2,422 | 1,697 | 12,427 | 17,283 | 1,693 | 4,752 | 939 | 37,093 | 322 | 37,415 | 64,832 |
| 1989 Average... | 1,857 | 1,930 | 2,280 | 1,738 | 12,531 | 17,325 | 1,733 | 4,983 | 998 | 37,570 | 301 | 37,871 | 66,030 |
| 1990 Average... | 1,818 | 1,872 | 2,382 | 1,752 | 12,629 | 16,988 | 1,690 | 5,140 | 1,027 | 37,475 | 283 | 37,758 | 66,155 |
| 1991 Average... | 1,935 | 1,863 | 2,828 | 1,801 | 13,391 | 16,714 | 1,622 | 5,284 | 1,056 | -- | -- | 38,067 | 66,715 |
| 1992 Average... | 1,926 | 1,937 | 2,843 | 1,803 | 13,605 | 17,033 | 1,643 | 5,446 | 1,041 | -- | -- | 38,768 | 66,574 |
| 1993 Average... | 1,875 | 1,852 | 2,900 | 1,815 | 13,523 | 17,237 | 1,688 | 5,401 | 1,117 | -- | -- | 38,966 | 66,199 |
| 1994 Average... | 1,833 | 1,841 | 2,879 | 1,837 | 13,597 | 17,718 | 1,727 | 5,674 | 1,176 | -- | -- | 39,892 | 68,683 |
| 1995 Average P. | R1,896 | R2,048 | 2,875 | R1,845 | R14,120 | 17,725 | 1,755 | 5,711 | 1,227 | -- | -- | R40,537 | R70,220 |

1/ Data through 1990 are for the former West Germany. Beginning with January 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ U.S. geographic coverage is the 50 States and the District of Columbia.
4/ "Other" consists of Australia, New Zealand, and the U.S. Territories.
P=Preliminary. --=Not Applicable. R=Revised data.
Note: The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition.
Sources: See end of Section 4.

## Table 4.7 OECD Total Net Imports, 1985-1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Average | | | | | |
| Total | 15.878 | 17.670 | 18.008 | 18.706 | 20.082 | 20.456 | 20.414 | 20.783 | 21.226 | 21.133 | 20.717 |
| United States1/ | 4.286 | 5.439 | 5.914 | 6.587 | 7.202 | 7.161 | 6.626 | 6.938 | 7.618 | 7.986 | 7.883 |
| Canada | -.419 | -.391 | -.358 | -.585 | -.462 | -.425 | -.479 | -.546 | -.586 | -.623 | -.756 |
| OECD Europe2/ | 7.381 | 7.893 | 7.742 | 7.774 | 7.994 | 8.210 | 8.588 | 8.459 | 8.127 | 7.355 | 7.226 |
| Main European Importers | | | | | | | | | | | |
| France | 1.654 | 1.682 | 1.742 | 1.718 | 1.711 | 1.750 | 1.869 | 1.784 | 1.761 | 1.615 | 1.721 |
| Germany3/ | 2.166 | 2.380 | 2.281 | 2.279 | 2.112 | 2.202 | 2.664 | 2.739 | 2.723 | 2.731 | 2.699 |
| Italy | 1.603 | 1.642 | 1.718 | 1.590 | 1.716 | 1.788 | 1.769 | 1.839 | 1.747 | 1.778 | 1.820 |
| Netherlands | .515 | .632 | .562 | .646 | .635 | .677 | .690 | .713 | .688 | .720 | .700 |
| Spain | .802 | .747 | .803 | .869 | .952 | .950 | .951 | .998 | 1.066 | 1.119 | 1.202 |
| European Net Exporters | | | | | | | | | | | |
| Norway | -.656 | -.718 | -.866 | -1.036 | -1.420 | -1.543 | -1.825 | -2.102 | -2.254 | -2.586 | -2.794 |
| United Kingdom | -1.035 | -1.067 | -1.015 | -.760 | -.200 | -.214 | -.158 | -.221 | -.355 | -.850 | -.969 |
| Smaller European Importers | | | | | | | | | | | |
| Austria | .174 | .188 | .194 | .185 | .191 | .201 | .212 | .209 | .205 | .210 | .194 |
| Belgium | .382 | .456 | .443 | .451 | .454 | .442 | .506 | .517 | .503 | .517 | .495 |
| Denmark | .166 | .150 | .122 | .107 | .078 | .063 | .048 | .032 | .023 | .027 | .039 |
| Ireland | .078 | .098 | .081 | .076 | .079 | .095 | .094 | .097 | .102 | .109 | .116 |
| Finland | .207 | .229 | .242 | .200 | .220 | .208 | .211 | .188 | .182 | .234 | .145 |
| Greece | .210 | .245 | .230 | .242 | .252 | .273 | .297 | .326 | .327 | .292 | .343 |
| Iceland | .011 | .011 | .013 | .012 | .011 | .011 | .012 | .011 | .014 | .015 | .015 |
| Luxembourg | .023 | .024 | .028 | .028 | .031 | .034 | .039 | .040 | .039 | .040 | .036 |
| Portugal | .166 | .183 | .199 | .198 | .246 | .250 | .258 | .279 | .272 | .270 | .291 |
| Sweden | .349 | .379 | .309 | .313 | .290 | .324 | .312 | .320 | .335 | .362 | .356 |
| Switzerland | .257 | .290 | .254 | .258 | .254 | .273 | .273 | .277 | .250 | .262 | .248 |
| Turkey | .310 | .342 | .402 | .397 | .384 | .425 | .366 | .413 | .500 | .490 | .569 |
| Japan | 4.308 | 4.392 | 4.418 | 4.680 | 5.035 | 5.239 | 5.286 | 5.464 | 5.467 | 5.766 | 5.716 |
| Other OECD | .322 | .338 | .291 | .250 | .313 | .270 | .392 | .467 | .599 | .648 | .647 |

1/ U.S. geographic coverage is the 50 States and District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ Data through 1990 are for the former West Germany.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.8 OECD Imports from OPEC, 1985–1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Average | | | | | |
| Total | 10.531 | 12.408 | 12.414 | 13.115 | 14.602 | 15.675 | 15.597 | 15.809 | 16.259 | 16.054 | 15.756 |
| United States1/ | 1.756 | 2.750 | 3.025 | 3.455 | 4.036 | 4.236 | 4.002 | 4.012 | 4.255 | 4.230 | 4.208 |
| Canada | .128 | .158 | .155 | .162 | .205 | .199 | .210 | .210 | .268 | .285 | .257 |
| OECD Europe2/ | 5.395 | 6.163 | 5.628 | 5.873 | 6.205 | 6.656 | 6.857 | 6.853 | 6.837 | 6.446 | 6.186 |
| Main European Importers | | | | | | | | | | | |
| France | .884 | .948 | .684 | .737 | .875 | 1.101 | 1.101 | .998 | 1.047 | .989 | .919 |
| Germany3/ | .787 | .831 | .679 | .761 | .739 | .776 | .871 | .964 | .948 | .841 | .715 |
| Italy | 1.205 | 1.362 | 1.307 | 1.192 | 1.261 | 1.375 | 1.399 | 1.343 | 1.222 | 1.117 | 1.203 |
| Netherlands | .568 | .771 | .773 | .875 | .905 | .862 | .928 | .926 | .982 | .906 | .796 |
| Spain | .553 | .600 | .564 | .608 | .689 | .655 | .702 | .637 | .585 | .684 | .789 |
| European Net Exporters | | | | | | | | | | | |
| Norway | .005 | .008 | .002 | .002 | .003 | .007 | .014 | .004 | .005 | .003 | .003 |
| United Kingdom | .308 | .328 | .277 | .323 | .342 | .406 | .377 | .390 | .439 | .306 | .254 |
| Smaller European Importers | | | | | | | | | | | |
| Austria | .087 | .090 | .087 | .082 | .086 | .097 | .108 | .115 | .127 | .119 | .057 |
| Belgium | .159 | .288 | .257 | .302 | .353 | .313 | .362 | .359 | .359 | .284 | .276 |
| Denmark | .035 | .025 | .053 | .067 | .069 | .044 | .006 | .001 | .006 | .008 | .022 |
| Ireland | .000 | .001 | .001 | – | – | .000 | .000 | .000 | .000 | .000 | .000 |
| Finland | .037 | .021 | .023 | .011 | .013 | .013 | .029 | .033 | .007 | .004 | .004 |
| Greece | .197 | .273 | .279 | .233 | .244 | .343 | .298 | .346 | .303 | .266 | .263 |
| Portugal | .113 | .120 | .101 | .118 | .156 | .166 | .139 | .158 | .166 | .236 | .217 |
| Sweden | .051 | .086 | .062 | .074 | .064 | .073 | .105 | .116 | .123 | .126 | .109 |
| Switzerland | .075 | .068 | .069 | .051 | .021 | .038 | .052 | .051 | .063 | .082 | .083 |
| Turkey | .331 | .344 | .411 | .439 | .384 | .388 | .365 | .412 | .452 | .475 | .477 |
| Japan | 2.983 | 3.036 | 3.198 | 3.309 | 3.789 | 4.070 | 4.038 | 4.206 | 4.282 | 4.507 | 4.472 |
| Other OECD | .268 | .301 | .408 | .316 | .367 | .513 | .491 | .528 | .616 | .586 | .632 |

1/ U.S. geographic coverage is the 50 States and District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ Data through 1990 are for the former West Germany.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; 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 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.9 OECD Imports from Persian Gulf, 1985–1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Average | | | | | |
| Imports from Persian Gulf | | | | | | | | | | | |
| Total | 5.585 | 7.228 | 7.392 | 7.941 | 9.121 | 9.667 | 9.249 | 9.456 | 10.029 | 9.609 | 9.310 |
| United States1/ | .304 | .909 | 1.072 | 1.526 | 1.857 | 1.961 | 1.835 | 1.774 | 1.775 | 1.722 | 1.563 |
| Canada | .011 | .054 | .054 | .056 | .069 | .081 | .084 | .092 | .105 | .119 | .070 |
| OECD Europe2/ | 2.560 | 3.513 | 3.330 | 3.428 | 3.754 | 3.908 | 3.660 | 3.666 | 4.048 | 3.506 | 3.365 |
| Main European Importers | | | | | | | | | | | |
| France | .476 | .586 | .459 | .484 | .647 | .864 | .708 | .640 | .757 | .651 | .647 |
| Germany3/ | .152 | .232 | .187 | .197 | .216 | .217 | .227 | .215 | .250 | .217 | .172 |
| Italy | .583 | .817 | .782 | .643 | .619 | .626 | .595 | .573 | .548 | .430 | .494 |
| Netherlands | .294 | .509 | .516 | .587 | .663 | .647 | .609 | .650 | .744 | .662 | .563 |
| Spain | .264 | .328 | .295 | .306 | .352 | .291 | .281 | .231 | .287 | .275 | .324 |
| European Net Exporters | | | | | | | | | | | |
| Norway | .003 | .006 | .002 | – | – | .000 | .011 | .000 | .000 | .000 | .000 |
| United Kingdom | .144 | .173 | .164 | .212 | .240 | .250 | .222 | .220 | .303 | .174 | .135 |
| Smaller European Importers | | | | | | | | | | | |
| Austria | .023 | .011 | .026 | .025 | .022 | .016 | .021 | .031 | .036 | .038 | .035 |
| Belgium | .088 | .182 | .162 | .224 | .277 | .250 | .279 | .292 | .291 | .232 | .252 |
| Denmark | .022 | .024 | .047 | .063 | .067 | .043 | .004 | .000 | .002 | .000 | .000 |
| Ireland | .000 | – | – | – | – | – | – | – | – | – | – |
| Finland | .037 | .021 | .022 | .011 | .012 | .011 | .021 | .023 | .002 | .002 | .002 |
| Greece | .122 | .204 | .211 | .146 | .181 | .268 | .219 | .291 | .253 | .214 | .223 |
| Portugal | .076 | .088 | .069 | .066 | .085 | .073 | .067 | .074 | .050 | .117 | .107 |
| Sweden | .006 | .036 | .029 | .045 | .043 | .039 | .064 | .068 | .088 | .076 | .068 |
| Switzerland | .006 | .008 | .008 | .007 | .007 | .007 | .007 | .007 | .008 | .012 | .007 |
| Turkey | .265 | .289 | .348 | .411 | .323 | .307 | .324 | .349 | .429 | .405 | .336 |
| Japan | 2.533 | 2.557 | 2.637 | 2.691 | 3.173 | 3.394 | 3.370 | 3.586 | 3.721 | 3.946 | 3.979 |
| Other OECD | .176 | .195 | .299 | .241 | .267 | .322 | .300 | .338 | .381 | .316 | .334 |

1/ U.S. geographic coverage is the 50 States and District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ Data through 1990 are for the former West Germany.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"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 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.10 United States—Net Oil Imports, 1985-1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Average | | | | | | | | | | |
| Total Net Imports.. | 4.286 | 5.439 | 5.914 | 6.587 | 7.202 | 7.161 | 6.626 | 6.938 | 7.618 | 7.986 | 7.883 |
| Imports from OPEC1/ | 1.756 | 2.750 | 3.025 | 3.455 | 4.036 | 4.236 | 4.002 | 4.012 | 4.255 | 4.230 | 4.208 |
| Imports from Persian Gulf2/ | | | | | | | | | | | |
| Total..... | .304 | .909 | 1.072 | 1.526 | 1.857 | 1.961 | 1.835 | 1.774 | 1.775 | 1.722 | 1.563 |
| Bahrain..... | -.001 | .001 | -.001 | .000 | -.001 | -.001 | -.001 | -.002 | -.002 | -.002 | -.003 |
| Iran..... | .027 | .019 | .098 | .000 | .000 | .000 | .032 | .000 | .000 | .000 | .000 |
| Iraq..... | .046 | .081 | .083 | .343 | .449 | .518 | .000 | .000 | - | - | - |
| Kuwait..... | .021 | .068 | .082 | .092 | .157 | .086 | .006 | .051 | .353 | .312 | .218 |
| U.A.E..... | .044 | .043 | .059 | .028 | .027 | .016 | .001 | .004 | .009 | .011 | .004 |
| Qatar..... | .000 | .013 | .000 | .000 | .002 | .004 | .000 | .001 | .001 | .000 | .000 |
| Saudi Arabia..... | .168 | .685 | .751 | 1.063 | 1.224 | 1.339 | 1.797 | 1.720 | 1.414 | 1.402 | 1.344 |
| Imports from OPEC-Africa | | | | | | | | | | | |
| Total..... | .536 | .737 | .867 | .934 | 1.134 | 1.144 | 1.040 | 1.000 | 1.108 | 1.074 | 1.088 |
| Algeria..... | .187 | .271 | .295 | .300 | .269 | .280 | .253 | .196 | .220 | .243 | .234 |
| Gabon..... | .052 | .026 | .037 | .016 | .050 | .064 | .084 | .124 | .152 | .194 | .229 |
| Libya..... | .004 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 |
| Nigeria..... | .293 | .440 | .535 | .618 | .815 | .800 | .703 | .680 | .736 | .637 | .625 |
| Imports from OPEC-South America | | | | | | | | | | | |
| Total..... | .602 | .788 | .801 | .790 | .861 | 1.016 | 1.020 | 1.161 | 1.295 | 1.322 | 1.468 |
| Venezuela..... | .602 | .788 | .801 | .790 | .861 | 1.016 | 1.020 | 1.161 | 1.295 | 1.322 | 1.468 |
| Imports from OPEC-Far East | | | | | | | | | | | |
| Total..... | .313 | .317 | .284 | .205 | .182 | .113 | .106 | .075 | .074 | .109 | .087 |
| Indonesia..... | .313 | .317 | .284 | .205 | .182 | .113 | .106 | .075 | .074 | .109 | .087 |

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 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.11 Japan—Net Oil Imports, 1985-1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Average | | | | | | | | | | |
| Total Net Imports.. | 4.308 | 4.392 | 4.418 | 4.680 | 5.035 | 5.239 | 5.286 | 5.464 | 5.467 | 5.766 | 5.716 |
| Imports from OPEC1/ | 2.983 | 3.036 | 3.198 | 3.309 | 3.789 | 4.070 | 4.038 | 4.206 | 4.282 | 4.507 | 4.472 |
| Imports from Persian Gulf2/ | | | | | | | | | | | |
| Total..... | 2.533 | 2.557 | 2.637 | 2.691 | 3.173 | 3.394 | 3.370 | 3.586 | 3.721 | 3.946 | 3.979 |
| Bahrain..... | .026 | .034 | .037 | .036 | .042 | .037 | .037 | .029 | .025 | .028 | .029 |
| Iran..... | .259 | .220 | .230 | .187 | .291 | .385 | .383 | .362 | .384 | .459 | .399 |
| Iraq..... | .063 | .164 | .105 | .173 | .219 | .146 | .000 | .000 | - | - | - |
| Kuwait..... | .215 | .278 | .347 | .341 | .458 | .291 | .014 | .220 | .368 | .430 | .501 |
| U.A.E..... | .845 | .890 | .773 | .822 | .929 | 1.032 | 1.285 | 1.256 | 1.287 | 1.398 | 1.420 |
| Qatar..... | .220 | .183 | .139 | .203 | .250 | .263 | .285 | .300 | .330 | .328 | .335 |
| Saudi Arabia..... | .904 | .789 | 1.005 | .930 | .984 | 1.240 | 1.367 | 1.420 | 1.327 | 1.303 | 1.296 |
| Imports from OPEC-Africa | | | | | | | | | | | |
| Total..... | .010 | .016 | .023 | .044 | .016 | .020 | .022 | .015 | .046 | .029 | .032 |
| Algeria..... | .010 | .015 | .023 | .044 | .015 | .010 | .010 | .007 | .008 | .012 | .011 |
| Gabon..... | - | - | - | - | .002 | .009 | .011 | .009 | .038 | .012 | .005 |
| Libya..... | .001 | .001 | - | - | - | - | - | - | - | - | - |
| Nigeria..... | - | - | - | - | - | .001 | .001 | .000 | .000 | .005 | .016 |
| Imports from OPEC-South America | | | | | | | | | | | |
| Total..... | .014 | .012 | .012 | .011 | .011 | .011 | .010 | .010 | .009 | .009 | .002 |
| Venezuela..... | .014 | .012 | .012 | .011 | .011 | .011 | .010 | .010 | .009 | .009 | .002 |
| Imports from OPEC-Far East | | | | | | | | | | | |
| Total..... | .452 | .486 | .563 | .599 | .631 | .682 | .673 | .624 | .533 | .551 | .488 |
| Indonesia..... | .452 | .486 | .563 | .599 | .631 | .682 | .673 | .624 | .533 | .551 | .488 |

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 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.12 OECD Europe—Net Oil Imports, 1985–1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Average | | | | | |
| Total Net Imports.. | 7.381 | 7.893 | 7.742 | 7.774 | 7.994 | 8.210 | 8.588 | 8.459 | 8.127 | 7.355 | 7.226 |
| Imports from OPEC1/ | 5.395 | 6.163 | 5.628 | 5.873 | 6.205 | 6.656 | 6.857 | 6.853 | 6.837 | 6.446 | 6.186 |
| Imports from Persian Gulf2/ | | | | | | | | | | | |
| Total..... | 2.560 | 3.513 | 3.330 | 3.428 | 3.754 | 3.908 | 3.660 | 3.666 | 4.048 | 3.506 | 3.365 |
| Bahrain..... | .004 | .002 | .001 | .009 | .005 | .020 | .002 | .003 | .004 | .003 | .000 |
| Iran..... | .648 | .511 | .732 | .850 | 1.076 | 1.190 | 1.132 | 1.113 | 1.253 | 1.074 | 1.149 |
| Iraq..... | .673 | .717 | .905 | .959 | .897 | .591 | .000 | .000 | .000 | .000 | .000 |
| Kuwait..... | .356 | .456 | .469 | .474 | .452 | .346 | .019 | .142 | .461 | .302 | .269 |
| U.A.E..... | .131 | .164 | .206 | .134 | .214 | .446 | .281 | .199 | .092 | .067 | .011 |
| Qatar..... | .051 | .054 | .040 | .021 | .024 | .026 | .009 | .006 | .000 | .000 | .002 |
| Saudi Arabia..... | .698 | 1.609 | .978 | .981 | 1.086 | 1.290 | 2.217 | 2.203 | 2.237 | 2.060 | 1.933 |
| Imports from OPEC-Africa | | | | | | | | | | | |
| Total..... | 2.524 | 2.398 | 2.089 | 2.230 | 2.241 | 2.533 | 2.947 | 2.913 | 2.535 | 2.706 | 2.532 |
| Algeria..... | .659 | .615 | .627 | .646 | .648 | .683 | .757 | .772 | .693 | .690 | .724 |
| Gabon..... | .077 | .090 | .031 | .031 | .017 | .024 | .129 | .095 | .044 | .061 | .033 |
| Libya..... | .948 | .967 | .962 | 1.071 | 1.044 | 1.267 | 1.332 | 1.361 | 1.193 | 1.233 | 1.201 |
| Nigeria..... | .841 | .727 | .469 | .481 | .532 | .559 | .729 | .686 | .605 | .721 | .575 |
| Imports from OPEC-South America | | | | | | | | | | | |
| Total..... | .307 | .252 | .208 | .220 | .212 | .227 | .249 | .268 | .240 | .219 | .273 |
| Venezuela..... | .307 | .252 | .208 | .220 | .212 | .227 | .249 | .268 | .240 | .219 | .273 |
| Imports from OPEC-Far East | | | | | | | | | | | |
| Total..... | .008 | .002 | .002 | .005 | .004 | .008 | .002 | .009 | .019 | .019 | .017 |
| Indonesia..... | .008 | .002 | .002 | .005 | .004 | .008 | .002 | .009 | .019 | .019 | .017 |

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.
2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports. •A dash (–) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.13 France—Net Oil Imports, 1985-1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Average | | | | | | | | | | |
| Total Net Imports.. | 1.654 | 1.682 | 1.742 | 1.718 | 1.711 | 1.750 | 1.869 | 1.784 | 1.761 | 1.615 | 1.721 |
| Imports from OPEC1/ | .884 | .948 | .684 | .737 | .875 | 1.101 | 1.101 | .998 | 1.047 | .989 | .919 |
| Imports from Persian Gulf2/ | | | | | | | | | | | |
| Total..... | .476 | .586 | .459 | .484 | .647 | .864 | .708 | .640 | .757 | .651 | .647 |
| Bahrain..... | - | .001 | - | .007 | .002 | .011 | .000 | .001 | .002 | .000 | .000 |
| Iran..... | .082 | .065 | .088 | .012 | .158 | .182 | .171 | .151 | .243 | .156 | .208 |
| Iraq..... | .138 | .109 | .151 | .143 | .128 | .062 | .000 | .000 | - | - | - |
| Kuwait..... | .035 | .023 | .044 | .017 | .021 | .015 | .011 | .029 | .032 | .016 | .022 |
| U.A.E..... | .054 | .035 | - | .017 | .040 | .233 | .064 | .033 | .025 | .003 | .002 |
| Qatar..... | .034 | .030 | .002 | .017 | .009 | .022 | .003 | .002 | .000 | .000 | .000 |
| Saudi Arabia..... | .134 | .324 | .175 | .271 | .288 | .339 | .459 | .424 | .454 | .477 | .416 |
| Imports from OPEC-Africa | | | | | | | | | | | |
| Total..... | .387 | .344 | .212 | .249 | .218 | .233 | .376 | .348 | .283 | .335 | .270 |
| Algeria..... | .109 | .089 | .072 | .079 | .089 | .092 | .107 | .105 | .066 | .089 | .103 |
| Gabon..... | .043 | .065 | - | - | - | .000 | .080 | .066 | .041 | .034 | .008 |
| Libya..... | .070 | .061 | .064 | .090 | .065 | .079 | .104 | .087 | .063 | .059 | .043 |
| Nigeria..... | .165 | .129 | .076 | .079 | .064 | .062 | .084 | .090 | .112 | .153 | .115 |
| Imports from OPEC-South America | | | | | | | | | | | |
| Total..... | .020 | .019 | .012 | .011 | .012 | .015 | .017 | .011 | .010 | .003 | .002 |
| Venezuela..... | .020 | .019 | .012 | .011 | .012 | .015 | .017 | .011 | .010 | .003 | .002 |
| Imports from OPEC-Far East | | | | | | | | | | | |
| Total..... | .002 | .000 | - | - | .000 | .000 | .001 | .001 | .000 | .000 | .000 |
| Indonesia..... | .002 | .000 | - | - | .000 | .000 | .001 | .001 | .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. •Data for 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.14 Germany—Net Oil Imports, 1985–1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Average | | | | | | | | | | |
| Total Net Imports.. | 2.166 | 2.380 | 2.281 | 2.279 | 2.112 | 2.202 | 2.664 | 2.739 | 2.723 | 2.731 | 2.699 |
| Imports from OPEC1/ | .787 | .831 | .679 | .761 | .739 | .776 | .871 | .964 | .948 | .841 | .715 |
| Imports from Persian Gulf2/ | | | | | | | | | | | |
| Total..... | .152 | .232 | .187 | .197 | .216 | .217 | .227 | .215 | .250 | .217 | .172 |
| Bahrain..... | .000 | – | – | – | – | – | – | – | .000 | .001 | .000 |
| Iran..... | .053 | .041 | .020 | .051 | .041 | .055 | .053 | .021 | .053 | .040 | .031 |
| Iraq..... | .008 | .016 | .052 | .032 | .009 | .004 | .000 | .000 | – | – | – |
| Kuwait..... | .021 | .021 | .017 | .013 | .022 | .013 | .000 | .009 | .022 | .026 | .015 |
| U.A.E..... | .006 | .004 | .024 | .006 | .023 | .016 | .012 | .002 | .002 | .001 | .000 |
| Qatar..... | – | – | .001 | .001 | .002 | .003 | .002 | .001 | .000 | .000 | .000 |
| Saudi Arabia..... | .064 | .151 | .072 | .095 | .119 | .125 | .161 | .182 | .173 | .149 | .125 |
| Imports from OPEC-Africa | | | | | | | | | | | |
| Total..... | .532 | .485 | .405 | .472 | .436 | .469 | .537 | .620 | .594 | .546 | .465 |
| Algeria..... | .130 | .137 | .146 | .141 | .106 | .098 | .126 | .183 | .195 | .161 | .135 |
| Gabon..... | .003 | .001 | .004 | – | – | .005 | .013 | .006 | .000 | .003 | .004 |
| Libya..... | .201 | .152 | .160 | .237 | .235 | .244 | .262 | .252 | .244 | .244 | .234 |
| Nigeria..... | .197 | .195 | .095 | .095 | .095 | .123 | .136 | .179 | .154 | .139 | .093 |
| Imports from OPEC-South America | | | | | | | | | | | |
| Total..... | .103 | .113 | .086 | .091 | .086 | .088 | .107 | .128 | .105 | .079 | .078 |
| Venezuela..... | .103 | .113 | .086 | .091 | .086 | .088 | .107 | .128 | .105 | .079 | .078 |
| Imports from OPEC-Far East | | | | | | | | | | | |
| Total..... | .000 | .001 | .002 | – | – | .002 | .000 | .000 | .000 | .000 | .000 |
| Indonesia..... | .000 | .001 | .002 | – | – | .002 | .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 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.15 Italy—Net Oil Imports, 1985-1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Average | | | | | |
| Total Net Imports.. | 1.603 | 1.642 | 1.718 | 1.590 | 1.716 | 1.788 | 1.769 | 1.839 | 1.747 | 1.778 | 1.820 |
| Imports from OPEC1/ | 1.205 | 1.362 | 1.307 | 1.192 | 1.261 | 1.375 | 1.399 | 1.343 | 1.222 | 1.117 | 1.203 |
| Imports from Persian Gulf2/ | | | | | | | | | | | |
| Total..... | .583 | .817 | .782 | .643 | .619 | .626 | .595 | .573 | .548 | .430 | .494 |
| Bahrain..... | .002 | .001 | .000 | – | .001 | .000 | .001 | .001 | .000 | .000 | .000 |
| Iran..... | .146 | .135 | .141 | .093 | .124 | .192 | .231 | .239 | .221 | .143 | .233 |
| Iraq..... | .139 | .114 | .167 | .198 | .138 | .079 | .000 | .000 | – | – | – |
| Kuwait..... | .132 | .147 | .142 | .118 | .093 | .063 | .000 | .007 | .012 | .001 | .000 |
| U.A.E..... | .024 | .051 | .109 | .060 | .085 | .075 | .044 | .013 | .002 | .000 | .000 |
| Qatar..... | .007 | .004 | .029 | .002 | .008 | .000 | .004 | .001 | .000 | .000 | .002 |
| Saudi Arabia..... | .134 | .364 | .194 | .171 | .171 | .216 | .315 | .312 | .313 | .286 | .260 |
| Imports from OPEC-Africa | | | | | | | | | | | |
| Total..... | .552 | .507 | .489 | .517 | .627 | .740 | .799 | .757 | .653 | .661 | .679 |
| Algeria..... | .110 | .087 | .109 | .108 | .150 | .155 | .155 | .140 | .096 | .099 | .100 |
| Gabon..... | .001 | .001 | – | .001 | .001 | .000 | .006 | .000 | .000 | .001 | .000 |
| Libya..... | .299 | .309 | .342 | .389 | .430 | .556 | .581 | .584 | .542 | .543 | .562 |
| Nigeria..... | .142 | .110 | .038 | .019 | .045 | .029 | .057 | .034 | .015 | .018 | .017 |
| Imports from OPEC-South America | | | | | | | | | | | |
| Total..... | .072 | .039 | .037 | .029 | .014 | .007 | .004 | .005 | .002 | .007 | .014 |
| Venezuela..... | .072 | .039 | .037 | .029 | .014 | .007 | .004 | .005 | .002 | .007 | .014 |
| Imports from OPEC-Far East | | | | | | | | | | | |
| Total..... | – | – | – | .002 | .002 | .003 | .001 | .009 | .019 | .019 | .015 |
| Indonesia..... | – | – | – | .002 | .002 | .003 | .001 | .009 | .019 | .019 | .015 |

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 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.16 OECD Imports from Iraq, 1985–1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Average | | | | | |
| Total | 0.784 | 0.964 | 1.103 | 1.489 | 1.581 | 1.276 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| United States1/ | .046 | .081 | .083 | .343 | .449 | .518 | .000 | .000 | - | - | - |
| Canada | - | - | .010 | .001 | .013 | .011 | .000 | .000 | - | - | - |
| OECD Europe2/ | .673 | .717 | .905 | .959 | .897 | .591 | .000 | .000 | .000 | .000 | .000 |
| Main European Importers | | | | | | | | | | | |
| France | .138 | .109 | .151 | .143 | .128 | .062 | .000 | .000 | - | - | - |
| Germany3/ | .008 | .016 | .052 | .032 | .009 | .004 | .000 | .000 | - | - | - |
| Italy | .139 | .114 | .167 | .198 | .138 | .079 | .000 | .000 | - | - | - |
| Netherlands | .022 | .067 | .034 | .039 | .101 | .117 | .000 | .000 | - | - | - |
| Spain | .123 | .117 | .080 | .092 | .109 | .063 | .000 | .000 | - | - | - |
| European Net Exporters | | | | | | | | | | | |
| United Kingdom | .041 | .071 | .082 | .070 | .034 | .027 | .000 | .000 | - | - | - |
| Smaller European Importers | | | | | | | | | | | |
| Austria | .007 | - | .015 | .007 | .000 | .000 | .000 | .000 | - | - | - |
| Belgium | .019 | .026 | .049 | .037 | .047 | .029 | .000 | .000 | - | - | - |
| Denmark | .000 | - | .001 | - | - | .000 | .000 | .000 | - | - | - |
| Greece | .038 | .030 | .065 | .059 | .052 | .044 | .000 | .000 | - | - | - |
| Portugal | .018 | .024 | .019 | .029 | .024 | .019 | .000 | .000 | - | - | - |
| Sweden | .000 | - | .003 | .003 | .005 | .000 | .000 | .000 | - | - | - |
| Switzerland | - | - | .000 | - | .000 | .000 | .000 | .000 | - | - | - |
| Turkey | .121 | .143 | .188 | .250 | .250 | .146 | .000 | .000 | .000 | .000 | .000 |
| Japan | .063 | .164 | .105 | .173 | .219 | .146 | .000 | .000 | - | - | - |
| Other OECD | .001 | .002 | .000 | .013 | .003 | .011 | .000 | .000 | - | - | - |

1/ U.S. geographic coverage is the 50 States and District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ Data through 1990 are for the former West Germany.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 are preliminary.
Sources: See end of Section 4.

## Table 4.17 OECD Imports from Kuwait, 1985-1995
(Million Barrels per Day)

| | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Average | | | | | |
| Total | 0.624 | 0.829 | 0.925 | 0.936 | 1.084 | 0.740 | 0.039 | 0.414 | 1.191 | 1.081 | 0.997 |
| United States1/ | .021 | .068 | .082 | .092 | .157 | .086 | .006 | .051 | .353 | .312 | .218 |
| Canada | - | - | - | - | - | .004 | - | - | .000 | .027 | .000 |
| OECD Europe2/ | .356 | .456 | .469 | .474 | .452 | .346 | .019 | .142 | .461 | .302 | .269 |
| Main European Importers | | | | | | | | | | | |
| France | .035 | .023 | .044 | .017 | .021 | .015 | .011 | .029 | .032 | .016 | .022 |
| Germany3/ | .021 | .021 | .017 | .013 | .022 | .013 | .000 | .009 | .022 | .026 | .015 |
| Italy | .132 | .147 | .142 | .118 | .093 | .063 | .000 | .007 | .012 | .001 | .000 |
| Netherlands | .098 | .122 | .150 | .189 | .194 | .151 | .002 | .052 | .254 | .179 | .176 |
| Spain | .003 | .020 | .015 | .030 | .015 | .010 | .003 | .000 | .015 | .000 | .000 |
| European Net Exporters | | | | | | | | | | | |
| Norway | - | - | - | - | - | - | - | - | .000 | .000 | .000 |
| United Kingdom | .023 | .014 | .011 | .006 | .006 | .045 | .002 | .027 | .049 | .058 | .039 |
| Smaller European Importers | | | | | | | | | | | |
| Austria | - | - | - | .004 | .002 | .000 | .000 | .000 | .000 | .000 | .000 |
| Belgium | .002 | .006 | .000 | - | - | .000 | .001 | .006 | .056 | .005 | .004 |
| Denmark | .021 | .020 | .045 | .060 | .066 | .034 | .000 | .000 | .000 | .000 | .000 |
| Finland | .000 | - | - | - | - | - | .000 | - | - | - | - |
| Greece | .005 | .038 | .030 | .015 | .009 | .000 | .000 | .002 | .005 | .001 | .000 |
| Portugal | - | - | .001 | .003 | .003 | .002 | .000 | .000 | .000 | .000 | .000 |
| Sweden | .002 | - | - | - | .001 | .001 | .000 | .000 | .002 | .000 | .000 |
| Switzerland | - | - | - | - | - | - | .000 | .000 | .000 | .000 | .000 |
| Turkey | .012 | .046 | .013 | .019 | .019 | .011 | .000 | .010 | .016 | .016 | .014 |
| Japan | .215 | .278 | .347 | .341 | .458 | .291 | .014 | .220 | .368 | .430 | .501 |
| Other OECD | .032 | .028 | .026 | .029 | .017 | .013 | .000 | .000 | .009 | .011 | .009 |

1/ U.S. geographic coverage is the 50 States and District of Columbia.
2/ "OECD Europe" consists of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.
3/ Data through 1990 are for the former West Germany.
Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 1995 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 1995; • Bureau of Mines, Mineral Industry Surveys, Petroleum Statement, Annual, various issues.

Other Countries: • EIA, International Energy Annual, various issues. • EIA, International Petroleum Annual, 1978. • United Nations, Yearbook of World Energy Statistics, 1979. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, October 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 1995.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Monthly Oil Statistics database, 1980-1995.

Oil Demand

United States: EIA, Petroleum Supply Annual 1995.

Other OECD Countries: • OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Annual Oil Statistics data base, 1970-1979. • OECD, Monthly Oil Statistics database, 1980-1995.

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 1995.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD Monthly Oil Statistics database, 1991-1995.

# Appendix A

# Organizational and Geographical Definitions

# Appendix A. Organizational and Geographical Definitions

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

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

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

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

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

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

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

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

# Appendix B

# Explanatory Notes

# Appendix B. Explanatory Notes

Note 1: World Oil Supply

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

Note 2: Oil Stocks

The International Energy Agency (IEA) assembles and reports total oil stock data for the member countries of the Organization for Economic Cooperation and Development (OECD). Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. In its report titled Quarterly Oil Statistics and Energy Balances of OECD Countries, the IEA defines oil stocks as follows: "All non-military stocks held by importers (including all final consumers directly), refiners, Governments, major non-importing final consumers eligible under IEA/OECD commitments and by foreign entities in the following facilities: bulk terminals, refinery tanks, pipeline tankage, barges, intercoastal tankers (when port of departure and destination are in the reporting country), tankers in port (to the extent that their cargo is to be unloaded in the reporting country), and inland ship bunkers. Oil is reported regardless of the ownership of such storage facilities." IEA data exclude "oil held in pipelines, rail and truck tank cars, sea-going ships' bunkers, service stations, retail stores and tankers at sea." Also the IEA defines the United States to be the 50 States and the District of Columbia, and the U.S. Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). The Energy Information Administration (EIA) does not include the United States Territories in its statistical definition of the United States. Further, the EIA includes oil in oil pipelines as part of its stock data. Tables 1.5, 1.6, 2.3, and 4.4 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of June 1996 United States (including territories) oil stocks totaled 1,408 million barrels.

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

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

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

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

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

Complete monthly data are available for the 24 OECD countries. Annual demand data for all countries (about 200 countries) are presented in EIA's International Energy Annual. In 1993, the OECD accounted for about three-fifths of total world demand, the 25 largest consumers outside of the OECD accounted for about one-third of the world total, and the remaining countries (about 150 countries) accounted for less than one-tenth of the total. The key problem, therefore, is to develop good figures for the 25 largest consumers outside the OECD.

Of these 25 countries, by far the largest consumer is Russia, which in 1993 accounted for about one-sixth of the demand in the group of 25. The next largest consumer is China, which in 1993 accounted for about one-seventh of the demand in the group. Thus in 1993 Russia and China accounted for one-third of the demand in the group of 25. For these 2 countries, data are available on oil production and net exports. The demand numbers shown in Section 2 are computed as production minus net exports. This is the same procedure used in the EIA Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other respected publications that deal with international oil markets. Note, however, that this method of computing demand ignores both refinery gain and stock changes.

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

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

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

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

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

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

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

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

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

Summary. Section 2 was expanded from a Market Economies oil balance to a world oil balance. Supply data are tracked for all producing countries. Demand data are tracked for the 24 OECD countries, and for 25 large consumers outside of the OECD. Demand for the remaining countries (less than 10 percent of total demand) is estimated, for years that are not yet available in the International Energy Annual. The stock levels in these tables are based on reported data for the OECD and for stocks at sea. The line in Table 2.1 labelled "Other Stock Draw and Statistical Discrepancy" is a balancing item.

# Appendix C

# Glossary

# Appendix C. Glossary

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

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

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

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

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

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

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

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

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

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

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

**Processing Loss.** The amount by which the total volume of refinery output is less than the volume of input for given period of time. The processing loss arises when crude oil and other hydrocarbons are processed into products that are, on average, more dense than the input.

# Appendix D

# Estimation Procedures

# Appendix D. Estimation Procedures

Estimation procedures are used for demand numbers in many of the countries outside of the OECD, in cases where data from EIA's International Energy Annual are not yet available. Demand numbers for 1992 and earlier years, for all countries, may be found in EIA's International Energy Annual 1993, published in May 1995, which is the most recent published edition of the International Energy Annual. EIA's WORLD ENERGY database contains final demand data for all countries of the world for 1993, and preliminary demand data for all countries for 1994. 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 Statistics Report may be summarized as follows.

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

For countries outside of the OECD, the following approach is used. The numbers for 1994 and earlier years match the demand numbers in the WORLD ENERGY database on EIA's home page. Numbers for 1995 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 the former Soviet Union and China. 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 the former Soviet Union and China implicitly exclude stock draw and refinery gain.

# Appendix E

# Conversions

## Table E1. Refined Petroleum Products Conversion Factors

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

## Table E2. Barrels of Crude Oil per Metric Ton, 1983–1993

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

-- = No Production of this form of energy.
Sources: International Energy Annual 1993. DOE/EIA-0219(93) (95/05) (May 1995).

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

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

-- = No Production of this form of energy.
Sources: International Energy Annual 1993. DOE/EIA-0219(93) (95/05) (May 1995).

## Table E2. Barrels of Crude Oil per Metric Ton, 1983–1993 (Continued)

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

-- = No Production of this form of energy.
Sources: International Energy Annual 1993. DOE/EIA-0219(93) (95/05) (May 1995).

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